

Idaho National Engineering Laboratory

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Forced Convective, Nonequilibrium, Post-CHF Heat Transfer Experiment Data and Correlation Comparison Report

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FORCED CONVECTIVE, NONEQUILIBRIUM, POST-CHF HEAT TRANSFER EXPERIMENT DATA AND CORRELATION COMPARISON REPORT

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ABSTRACT

Forced convective, postcritical-heat-flux heat transfer experiments with water flowing upward in a vertical tube have been conducted at the Idaho National Engineering Laboratory. Thermodynamic nonequilibrium in the form of superheated vapor temperatures was measured at a maximum of three different axial levels. Steady-state experiments were conducted at pressures of 0.2 to 0.7 MPa, mass fluxes of 12 to 24 kg/m²·s, heat fluxes of 7.7 to 27.5 kW/m², and test section inlet qualities of 38 to 64%. Quasi-steady-state (slow moving quench front) experiments were conducted at pressures of 0.4 to 7 MPa, mass fluxes of 12 to 70 kg/m²·s, heat fluxes of 8 to 225 kW/m², and test section inlet qualities of 7 to 47%. The multiple probe data and the data taken above 0.4 MPa are new data in parameter ranges not previously obtained. Comparison of the data with current vapor generation models and wall heat transfer models yielded unsatisfactory results. This is attributed to the effects of nonequilibrium, quench front quality, and distance from the quench front, which are factors not included in the current models compared.

SUMMARY

Forced convective, postcritical-heat-flux (post-CHF) heat transfer experiments have been conducted for water flowing upward within a vertical tube. The results and methods of analysis used in the data reduction are reported. Descriptions of the experiment hardware, experiment operations, and reduced tabulated data are included in the appendixes.

Steady-state (fixed quench front) experiments were conducted at pressures of 0.2 to 0.7 MPa, mass fluxes of 12 to 24 kg/m²·s, test section inlet qualities of 38 to 64%, and heat fluxes of 7.7 to 27.5 kW/m². Quasi-steady-state (slow moving quench front) experiments were conducted at pressures of 0.4 to 7 MPa, mass fluxes of 12 to 70 kg/m²·s, test section inlet qualities of 7 to 47%, and heat fluxes of 8 to 225 kW/m². Eighty-three steady-state and 683 quasi-steady-state heat transfer data points are reported. In order to determine thermodynamic nonequilibrium, superheated vapor temperatures were measured by using differentially aspirated microthermocouple probes either at three different axial positions or at a single position in the tube, depending on test configuration. These multiprobe nonequilibrium data and nonequilibrium data above 0.4 MPa extend the existing data base. The data were compared with currently used wall heat transfer correlations, and the results were unsatisfactory. A regression analysis of the data showed thermal nonequilibrium, quench front quality, and distance from the quench front to be significant factors in the correlation of these data. These effects are not included in current correlations and are thought to be the major reason for the poor comparisons.

The complete data base taken from this experiment provides valuable information with which to verify or develop post-CHF heat transfer and vapor generation rate correlations.

From the multiple probe tests, calculation of the rate of change of actual quality with respect to length yields the vapor generation rate. One hundred sixty-two vapor generation data points were obtained in this experiment. Comparison of the data with currently existing vapor generation models provided unsatisfactory results, with considerable scatter of the prediction relative to the data.

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Many other individuals, too numerous to mention by name, have been involved in the design, fabrication, testing, data reduction, and reporting aspects of this project. The efforts of each individual were important to the successful completion of the project.

CONTENTS

ABSTRACT	ii
SUMMARY	iii
ACKNOWLEDGMENTS	iv
NOMENCLATURE	xii
1. INTRODUCTION	1
2. BACKGROUND	2
3. EXPERIMENT DESCRIPTION	5
3.1 Experiment Objectives	5
3.2 Test Section Description	5
3.3 Test Conditions	7
3.4 Operating Procedure	7
4. EXPERIMENT SELECTION AND DATA REDUCTION ANALYSIS	9
4.1 Experiment Selection	9
4.2 Data Reduction Analysis	11
4.2.1 Data Averaging	13
4.2.2 Data Screening	13
4.2.3 Data Reduction and Calculation of Local Conditions	13
4.2.4 Calculation of Vapor Generation Rates	16
4.3 Selection of Reportable Data Points	16
5. RESULTS	19
5.1 Repeatability	19
5.1.1 Repeatability of Individual Tests	19
5.1.2 Repeatability with Respect to Other Experimental Data	20
5.1.3 Repeatability of Multiple Probe Levels for Quasi-Steady-State Runs	20
5.2 Steady-State and Quasi-Steady-State Comparisons	23
5.3 Data Base Comparison of Measured and Calculated Variables	23
5.4 Statistical Analysis of Wall Heat Transfer Data	30
5.5 Data Comparison with Existing Wall Heat Transfer Correlations	32

5.5.1	Pressure	43
5.5.2	Mass Flux	43
5.5.3	Distance from CHF	43
5.5.4	Wall Temperature	43
5.5.5	Heat Flux	43
5.5.6	Vapor Temperature	43
5.5.7	Quality	43
5.6	Vapor Generation Rate Correlations and Comparisons	43
6.	CONCLUSIONS	47
7.	REFERENCES	49
	APPENDIX A—EXPERIMENT DESCRIPTION	A-1
	APPENDIX B—TEST CONDITIONS	B-1
	APPENDIX C—OPERATING PROCEDURE	C-1
	APPENDIX D—DATA ACQUISITION SYSTEM	D-1
	APPENDIX E—MEASUREMENTS	E-1
	APPENDIX F—MEASUREMENT AND REPORTED PARAMETER UNCERTAINTIES	F-1
	APPENDIX G—TEST SECTION DRAWINGS	G-1
	APPENDIX H—REDUCED EXPERIMENTAL DATA	H-1
	APPENDIX I—HEAT LOSS TEST RESULTS	I-1
	APPENDIX J—MEASUREMENTS LIST CHRONOLOGY	J-1
	APPENDIX K—DESCRIPTION OF SUBROUTINES IN DATA REDUCTION PROGRAM	K-1
	APPENDIX L—TRAC-PD2/MOD1 HEAT TRANSFER LOGIC	L-1
	APPENDIX M—RESIDUAL PLOTS	M-1

FIGURES

1.	Synthesized low-quality effect on film boiling	2
2.	Worldwide post-CHF tube data base	3
3.	Experiment loop and instrumentation diagram	5
4.	Test section geometry and instrument locations	6
5.	Vapor probe response with insufficient recovery for analysis	10

6.	Vapor probe response with sufficient recoveries to infer vapor temperatures where needed	10
7.	Vapor probe measurement for Test Run 78	11
8.	Parametric plot of inlet quality versus mass flux for experiments at 3.5 MPa	12
9.	Flow chart for MAIN program showing calculational logic for data analysis	14
10.	Typical thermocouple response denoting quench point (maximum dT/dt)	14
11.	Typical plot of quench front elevation as a function of time	14
12.	Energy balance for tube wall segment	15
13.	Wall and vapor superheat repeatability for steady-state INEL experiments	19
14.	Wall and vapor superheat repeatability for first vapor probe during quasi-steady-state INEL experiments	20
15.	Heat transfer coefficient repeatability for first vapor probe during quasi-steady-state INEL experiments	20
16.	Heat transfer coefficient repeatability for first vapor probe, corrected for flow differences, during quasi-steady-state INEL experiments	20
17.	Comparison of wall and vapor superheat between INEL and Lehigh University experiment	21
18.	Comparison of wall and vapor superheat between INEL and Lehigh University experiments	21
19.	Multiple-probe wall and vapor superheat measurements for INEL quasi-steady-state Run 114	22
20.	Multiple-probe heat transfer coefficients for INEL quasi-steady-state Run 114	22
21.	Multiple-probe heat transfer coefficients corrected for flow difference for INEL quasi-steady-state Run 114	22
22.	Multiple-probe wall and vapor superheat measurements for INEL quasi-steady-state Run 115	23
23.	Multiple-probe heat transfer coefficients for INEL quasi-steady-state Run 115	23
24.	Multiple-probe heat transfer coefficients corrected for flow difference for INEL quasi-steady-state Run 115	23
25.	Comparison of wall and vapor superheats for steady-state and quasi-steady-state tests	24
26.	Comparison of heat transfer coefficients for steady-state and quasi-steady-state tests, corrected for flow differences	24

27.	Mass flux and pressure range of reduced data	25
28.	Actual and equilibrium quality ranges of reduced data	25
29.	Distance from CHF and CHF quality ranges of reduced data	26
30.	Vapor temperature and wall temperature ranges of reduced data	26
31.	Heat transfer coefficient and heat flux ranges of reduced data	27
32.	Heat flux versus distance from CHF for reduced data	27
33.	Equilibrium quality versus CHF quality for reduced data	28
34.	Actual quality versus CHF quality for reduced data	28
35.	Equilibrium quality versus heat flux for reduced data	29
36.	Calculated versus measured heat flux for statistical data fit	32
37.	Pressure residual for statistical data fit	33
38.	Mass flux residual for statistical data fit	33
39.	Distance from CHF residual for statistical data fit	34
40.	Wall temperature residual for statistical data fit	34
41.	Heat flux residual for statistical data fit	35
42.	Vapor temperature residual for statistical data fit	35
43.	Equilibrium quality residual for statistical data fit	36
44.	Actual quality residual for statistical data fit	36
45.	Calculated versus measured heat flux for Dougall-Rohsenow saturated correlation	39
46.	Calculated versus measured heat flux for Groenevelt 5.7 correlation	40
47.	Calculated versus measured heat flux for Condie-Bengston IV correlation	40
48.	Calculated versus measured heat transfer coefficient for Dittus-Boelter correlation using superheated properties	41
49.	Calculated versus measured heat transfer coefficient for Dougall-Rohsenow correlation using superheated properties	41
50.	Calculated versus measured heat transfer coefficient for CSO correlation	42
51.	Calculated versus measured heat transfer coefficient for TRAC heat transfer package	42
52.	Actual quality change versus equilibrium quality change for INEL data	44

53.	Predicted versus measured vapor generation rate for Webb correlation	45
54.	Predicted versus measured vapor generation rate for modified Saha correlation	46
A-1.	Experiment loop and instrumentation diagram	A-3
A-2.	Test section inlet configuration	A-4
A-3.	Revised inlet piping configuration diagram	A-5
A-4.	Lower and upper hot patch machined parts	A-6
A-5.	Lower hot patch	A-7
A-6.	Lower hot patch with bus bars	A-8
A-7.	Lower hot patch braze qualification sample	A-9
A-8.	Test section and test stand	A-10
A-9.	Test section outlet configuration	A-11
A-10.	Bus bar at the 132.1-cm elevation on the test section	A-12
C-1.	Experiment loop and instrumentation diagram	C-3
C-2.	Test section inlet configuration	C-4
C-3.	Revised inlet piping configuration diagram	C-6
E-1.	Experiment loop and instrumentation diagram	E-8
E-2.	Test section geometry and instrument locations	E-9
E-3.	Test section wall thermocouple installation	E-10
E-4.	Vapor probe design	E-11
E-5.	Vapor probe installation	E-12
E-6.	Aspiration line valves	E-12
E-7.	Vapor probe measurement for Test Run 20	E-13
E-8.	Vapor probe measurement for Test Run 19	E-14
E-9.	Vapor probe measurement for Test Run 78	E-15
E-10.	Upper hot patch thermocouple locations	E-16
E-11.	Lower hot patch thermocouple locations	E-17
E-12.	Lower and upper hot patch machined parts	E-18

E-13.	Lower hot patch	E-19
E-14.	Lower hot patch with bus bars	E-20
E-15.	Revised inlet piping configuration diagram	E-21
F-1.	Thermocouple measurement uncertainty versus temperature	F-4
F-2.	Thermocouple measurement mean error versus temperature	F-5
F-3.	Experiment loop and instrumentation diagram	F-5
G-1.	Test section drawing	G-4
G-2.	Hot patch detail drawing	G-6
G-3.	Test section stand installation drawing	G-7
I-1.	Measured heat losses versus component temperature	I-4
I-2.	Test section temperature distribution during high-temperature heat loss test	I-4
I-3.	Free body diagram for energy balance	I-6
I-4.	Sample transient temperature distribution in insulation using boundary conditions typical of Test Run 102	I-8
I-5.	Sample transient temperature distribution in insulation using minimum cooldown rate experienced by test section	I-9
I-6.	Sample transient temperature distribution in insulation using maximum cooldown rate experienced by test section	I-10
M-1.	Mass flux residual for Webb correlation	M-3
M-2.	Pressure residual for Webb correlation	M-4
M-3.	Distance from CHF residual for Webb correlation	M-4
M-4.	Actual quality residual for Webb correlation	M-5
M-5.	Wall temperature residual for Webb correlation	M-5
M-6.	Vapor temperature residual for Webb correlation	M-6
M-7.	Mass flux residual for modified Saha correlation	M-6
M-8.	Pressure residual for modified Saha correlation	M-7
M-9.	Distance from CHF residual for modified Saha correlation	M-7
M-10.	Actual quality residual for modified Saha correlation	M-8
M-11.	Wall temperature residual for modified Saha correlation	M-8

M-12. Vapor temperature residual for modified Saha correlation M-9

TABLES

1. Parameters for nonequilibrium wall heat transfer correlation 31

2. Heat transfer correlations 37

3. Vapor generation correlations 45

E-1. Measurements list E-3

I-1. Results of component power calibration tests I-3

NOMENCLATURE

A_{LHP}	Lower hot patch current (LHP-AMPS), (A)
A_{metal}	Cross-sectional area of metal (m^2)
AMP	Test section current (A)
C	Specific heat ($J/kg \cdot K$)
COEF	Orifice calibration coefficient ($kg \cdot m^3/s^2 \cdot kPa$)
D	Tube diameter (m)
d_i	Inside diameter (m)
d_o	Outside diameter (m)
dT/dt	Time rate of change of temperature (K/s)
DZQF	Distance from quench front (m)
G	Mass flux ($kg/m^2 \cdot s$)
G_T	Total mass flux ($kg/m^2 \cdot s$)
G_v	Vapor mass flux = $(G_T)(XA)(kg/m^2 \cdot s)$
h	Heat transfer coefficient ($W/m^2 \cdot K$) or specific enthalpy (J/kg)
h_e	Specific enthalpy of fluid obtained from energy balance (J/kg)
h_{fg}	Latent heat of vaporization (J/kg)
HL	Test section heated length (m)
k	Thermal conductivity ($W/m \cdot K$)
L_j	Segment of test section (m)
$L_{T.S.}$	Length of test section (m)
\dot{m}	Mass flow rate (kg/s)
Nu	Nusselt number = $\frac{hD}{k}$
P	Pressure (MPa)
P_c	Critical pressure (MPa)
$P_{T.S.}$	Power to test section (W)

Pr	Prandtl number = $\frac{C\mu}{k}$
q	Heat flux (W/m^2)
Q_{acc}	Heat accumulation in tube wall (W)
Q_{acon}	Heat into segment via axial conduction (W)
Q_{conv}	Convective heat energy to fluid from wall (W)
q_{conv}	Convective heat flux to fluid from wall (W/m^2)
Q_{gen}	Electrically generated power (W)
q_{gen}	Electrically generated power/unit volume (W/m^3)
Q_{LHP}	Total power input to lower hot patch (W)
Q_{loss}	Heat losses (W)
q_{loss}	Heat losses (W/m^2)
R	Test section resistance (ohms)
RE	Reynolds number = GD/μ
RREF	Test section reference resistance (ohms)
R1000	Test section resistance at 1000 K (ohms)
S	Slip ratio, ratio of vapor velocity to liquid velocity
T	Temperature (K)
T_{amb}	Ambient temperature (K)
T_{LHP}	Lower hot patch temperature (TE-LPH-3) (K)
T_{OUT}	Segment temperature at the time the quench front leaves the tube segment (K)
T_{PRE}	Temperature of the segment prior to quenching (K)
U	Quench front velocity (m/s)
V_{LHP}	Lower hot patch voltage (LHP-VOLTS) (V)
VOLT	Test section voltage (V)
XA	Actual quality
X_{CHF}	Equilibrium quality at the location of critical heat flux
XE	Equilibrium quality

z Test section elevation (m)

Greek Symbols

α_h Homogeneous void fraction = $\left[1 + \frac{(1 - X_A) \left(\frac{\rho_v}{\rho_L} \right)}{X_A} \right]^{-1}$

Γ Vapor generation rate ($\text{kg}/\text{m}^3 \cdot \text{s}$)

ΔP Orifice differential pressure (kPa)

ΔT Temperature difference (K)

Δt Time increment (s)

ΔZ Test section segment length (m)

ϵ Wall emissivity

μ Viscosity ($\text{kg}/\text{m}^2 \cdot \text{s}$)

ρ Density (kg/m^3)

σ Surface tension (N/m) or Stefan-Boltzmann constant ($5.668 \times 10^{-5} \text{ erg}/\text{s} \cdot \text{cm}^2 \text{ K}^4$)

σ_i Standard deviation of subscripted quantity, i

ω_i Uncertainty of subscripted quantity, i

Subscripts

f Saturated liquid

g Saturated vapor

i Subscript for quantity

j Subscript for quantity

L Liquid

s Saturation

v Superheated vapor

w Wall

FORCED CONVECTIVE, NONEQUILIBRIUM, POST-CHF HEAT TRANSFER EXPERIMENT DATA AND CORRELATION COMPARISON REPORT

1. INTRODUCTION

Best-estimate predictions of the thermal behavior of the primary coolant system during various nuclear reactor transients, and the associated fuel rod temperature responses, require an accurate prediction of postcritical-heat-flux (post-CHF) heat transfer, thermal nonequilibrium, and quenching phenomena. These post-CHF heat transfer mechanisms control the maximum rod cladding temperature, vapor superheat, and quenching during a hypothetical loss-of-coolant accident (LOCA) core thermal excursion. These factors are important because: (a) maximum cladding temperatures, coupled with the pressure, determine whether or not cladding failure occurs and, if it occurs, the extent of the damage; (b) vapor superheating influences the maximum cladding temperature and, if cladding failure occurs, the transport and deposition of fission products; and (c) quenching determines when elevated cladding temperatures end and significant removal of the fuel rod energy can begin.

To help fill the need for additional nonequilibrium, post-CHF heat transfer data necessary to develop and verify computer code heat and mass transfer models, a forced convective, post-CHF

heat transfer experiment for water flowing upward within a vertical tube was performed at the Idaho National Engineering Laboratory (INEL) in conjunction with Lehigh University. This experiment served to fill a particular need for thermodynamic nonequilibrium film boiling data under low-flow and high-pressure (up to 7 MPa) conditions over a wide quality range, with emphasis on low quality.

The appendixes to this report contain detailed descriptions of the experiment hardware and test setup, test conditions, experiment measurements and associated uncertainties, and the operating procedures used to perform the experiments. This material is presented in an effort to make the results of this work more useful to both analysts and future experimenters. A brief summary of the experimental information is provided in the main body of this report for those not requiring great depth. Emphasis in the main body is placed on the data analysis procedures to obtain the reduced data, comparison of the data to correlations or models, and limited correlation of the data in order to determine key parameters.

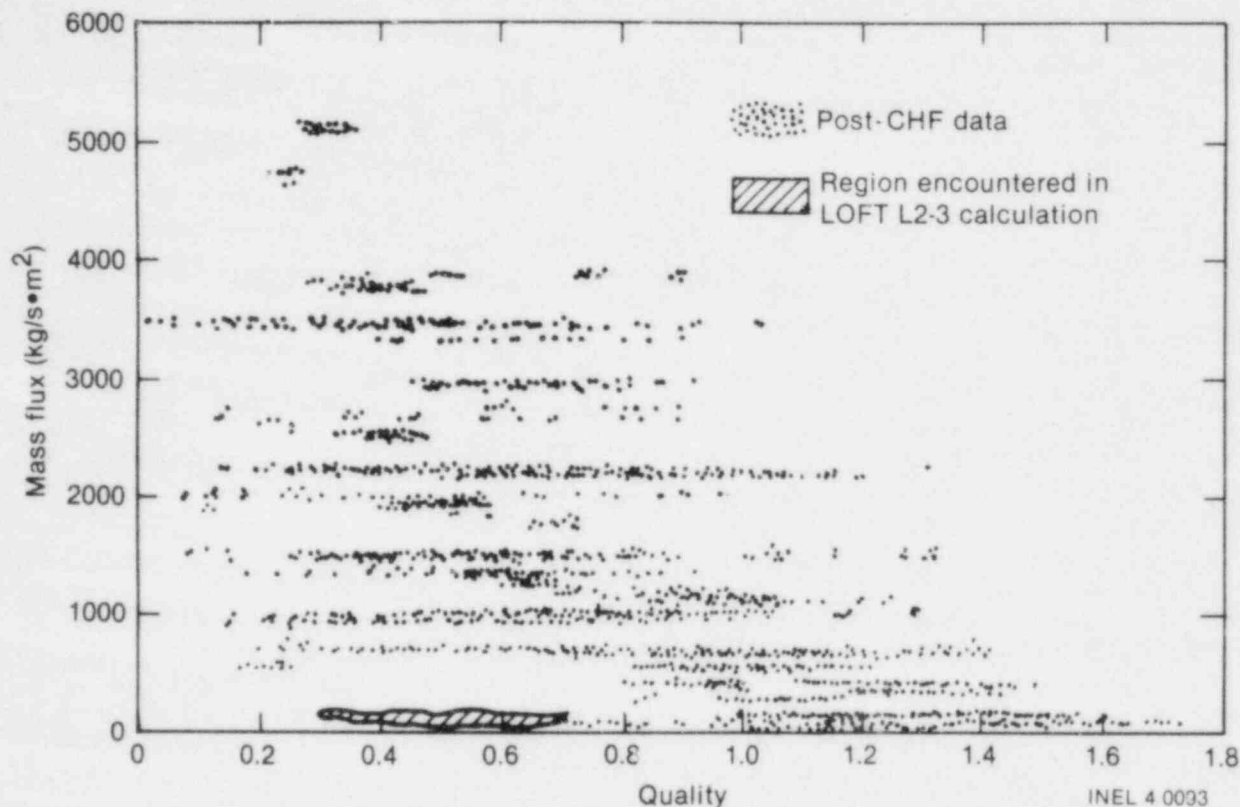


Figure 2. Worldwide post-CHF tube data base.

transfer at low quality shown in Figure 1 produces many forced convective quenches.⁸ The quenches are produced when a low-quality mixture advances past a given fuel rod location which is in film boiling and produces an increase in the convective heat flux, as would occur in Figure 1 if the dotted line were followed. If this increase in heat removal is sufficient (based on an energy balance at the cladding surface), the surface will be cooled. If the cooldown continues long enough, the surface will quench.

Recent low-pressure data taken by Barnard¹² and Fung¹³ support the synthesized low-quality effect in the low-flow film boiling region. Just as in the low-pressure convective quenches, such as occur during reflood, the same basic low-quality effect may initiate convective quenches at higher pressure. LOFT Experiment L2-3² provided an example of the influence of this type of convective-initiated quenching.^{4,8} Limited high-pressure data supporting this low-quality effect were obtained by Polomik.¹⁴ More recent high-pressure data (up to 9 MPa), obtained by Groeneveld¹⁵ at mass fluxes above 111 kg/m²·s, further support the low-quality effect. The need for additional post-CHF data to

investigate the low-quality effect at flow rates of less than 110 kg/m²·s and at high pressures was the motivation for this investigation.

The post-CHF data described in this report are also applicable to a second type of transient which involves what might be termed "uncovered core," post-CHF heat transfer and may arise from a number of scenarios, the Three Mile Island Unit 2 accident being one such example. Recent studies in the Severe Accident Sequence Analysis Program¹⁶⁻¹⁸ at the INEL indicate that low-flow-rate (2 to 150 kg/s·m²), low-to-high-quality, post-CHF nonequilibrium conditions exist at high pressure during both pressurized water reactor station blackout accident sequences and boiling water reactor anticipated-transient-without-scrum accident sequences. Accurate predictions of the early phases of cladding heatup (< 1200 K) prior to significant cladding oxidation are important in determining if significant cladding oxidation and core damage will occur, as well as the timing of such events. If cladding oxidation occurs, the degree of oxidation determines the total amount of hydrogen generated. Whether or not a cladding rupture takes place determines whether the fission product source term is an

important factor during the later stages of the accident. When the fission product release does occur, fission product transport and deposition are also dependent on the degree of vapor superheat. The total amount of hydrogen generated, the fission product source term, and fission product transport are those factors currently felt to be of significant importance to nuclear reactor safety.¹⁹

Thermodynamic nonequilibrium is also an important aspect of current state-of-the-art computer codes. Advanced computer codes such as RELAP5²⁰ and TRAC^{21,22} attempt to describe the post-CHF phenomena through the use of numerous heat and mass transfer models. These models incorporate methods to represent both wall and interfacial considerations and allow for unequal velocities between the phases as well as for thermodynamic nonequilibrium.

Thermodynamic nonequilibrium between the phases was first suggested by Parker and Grosh²³ and was measured in tubes by Mueller;²⁴ Polomik;²⁵ and, more recently, by Nijhawan;^{26,27} Annunziato, Cumo, and Palazzi;²⁸ and Evans, Webb, and Chen.²⁹ The nonequilibrium data of Mueller, Polomik, and Annunziato-Cumo-Palazzi are in the high-quality region, while those of Nijhawan and Evans-Webb-Chen cover a wide range of qualities at low pressures. These data, with the exception of that of Annunziato-Cumo-Palazzi, represent a measurement at a single point (elevation). All data are still limited in both number and parametric ranges. Only the data of Nijhawan and Evans-Webb-Chen are well documented. (The experiment discussed in this report was developed to extend the work of Nijhawan and run in parallel with Evans-Webb-Chen.)

Due to measurement difficulties, the measurement of thermodynamic nonequilibrium in rod bundles has received little attention. Measurements of vapor superheat in a rod bundle have been reported by Rosal³⁰ under reflood conditions. However, the definition of the local conditions that occur in a rod bundle are not as well determined as those in the single-tube experiments.

Thus, the need for additional nonequilibrium, post-CHF data for the development and verification of post-CHF heat and mass transfer models important to fuel rod quenching, uncovered core heatup, and fission product transport modeling is apparent.

Another important concern is the effect of fission product decay heat and vapor superheating on the transport of the fission products. It is believed that much of the transport of the important compounds (cesium iodide and cesium hydroxide) is caused by condensation of these species on silver-indium-cadmium aerosols from the control rods. A key unresolved question is the distribution of the condensates between aerosol surfaces and immobile wall surfaces. The distribution is a function of the aerosol and wall temperatures. These temperatures are both dependent on the degree of vapor superheating occurring in the core. Since as much as 30% of the decay heat may be associated with material released from fuel assemblies,³¹ detailed heat and mass transfer correlations will be required to understand the transport of fission products from reactor cores during hypothetical severe fuel damage accidents. Thus, one of the first steps required in this modeling of fission product transport is the determination of vapor superheat.

3. EXPERIMENT DESCRIPTION

This section presents a brief description of the experiment, providing only that information necessary to make use of the results of the experiments. Detailed descriptions of the test loop, test section, test conditions, operating procedure, data acquisition system, measurements, and measurement uncertainties are included as Appendixes A through F for those who require the information.

3.1 Experiment Objectives

The objectives of the experiment were to: (a) provide additional data to support the synthesized low-flow, low-quality effect in film boiling at pressures up to 7 MPa, (b) to provide nonequilibrium data, at pressures up to 7 MPa, over as wide a range of flow rates and fluid qualities as possible, and (c) to measure the rate of change of vapor superheat (and therefore, actual quality) with respect to length by measuring the vapor superheat at multiple axial locations in the test section.

3.2 Test Section Description

The post-CHF experiments were conducted in the Blowdown Loop of the Thermal-Hydraulics Experi-

ment Facility at the INEL. The main loop configuration is schematically shown as part of Figure 3 and consists of a pressure vessel, a coolant pump, a warmup heater vessel, and associated valves and piping. The purpose of the main loop is to provide a high-temperature, high-pressure water supply to the test section (also shown as part of Figure 3) in a once-through manner. A feed and bleed system maintained the main loop in a subcooled, liquid full, constant pressure condition. The outlet of the test section was connected to a surge tank (Figure 3) with a regulated nitrogen supply to provide a constant back pressure during a test run. Details of the test loop configuration are included in Appendix B.

The test section, schematically shown in Figure 4, consisted of a vertical, Inconel-625, seamless tube with a 19.14-mm OD and a 15.7-mm ID. The initial heated length of the test section was 213.4 cm. The hot patch technique, developed by Groeneveld and Gardiner,³² was used in this experiment to create dry patches at the test section inlet and exit in order to prevent a quench front from entering the test section during the steady-state experiments. Drawings of the test section and hot patches are provided in Appendix G. As shown in Figure 4, the test section wall temperature was measured at 38 different axial elevations. Vapor superheat was also measured at

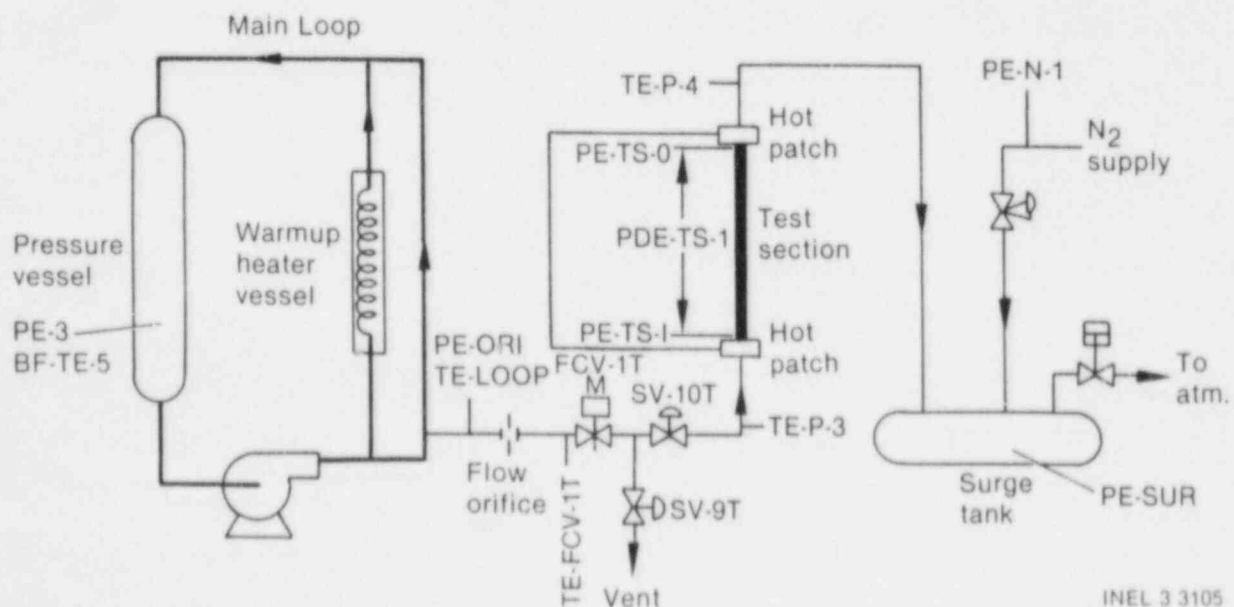
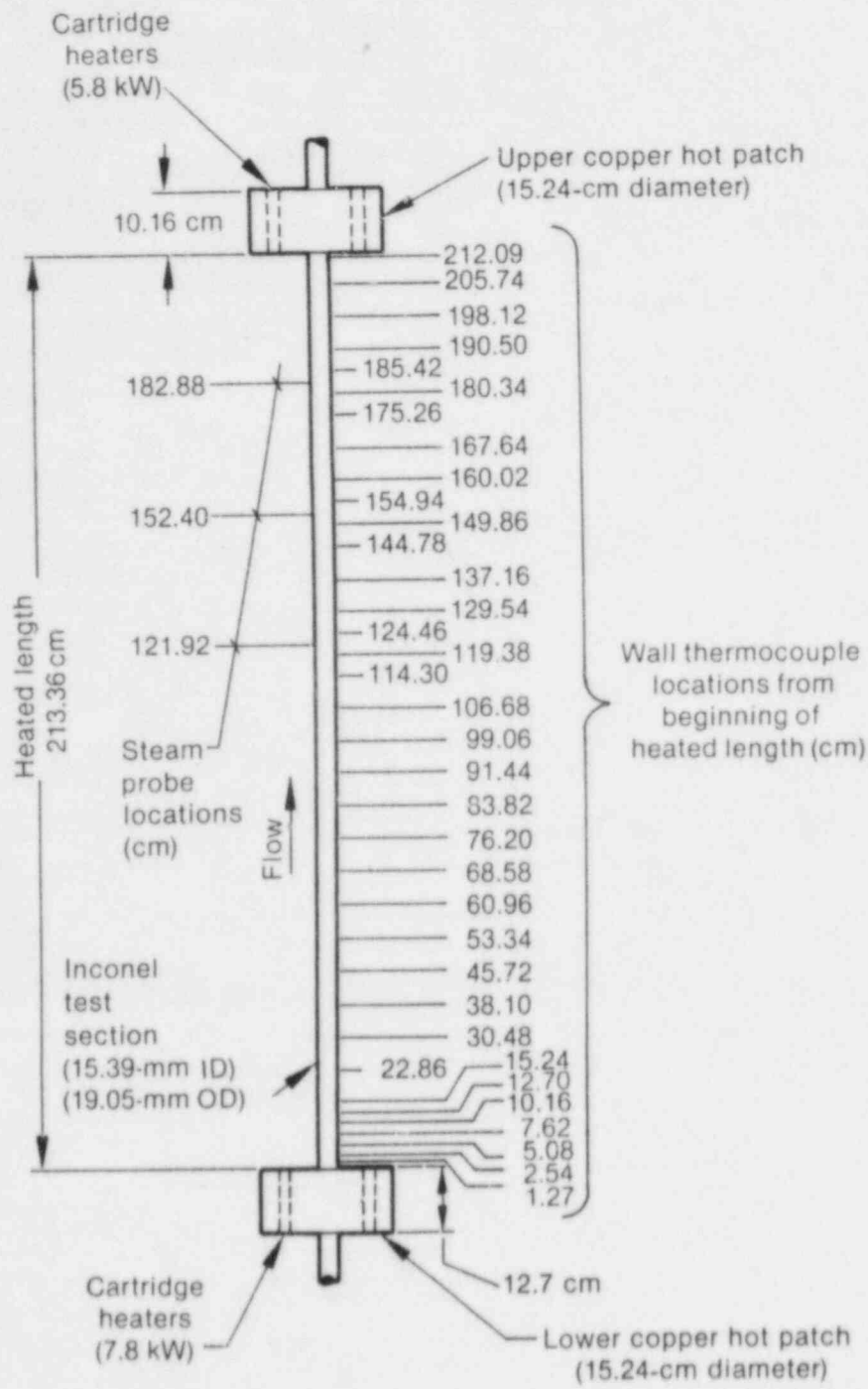


Figure 3. Experiment loop and instrumentation diagram.



INEL 3 3104

Figure 4. Test section geometry and instrument locations.

three elevations, using a double-aspirated steam probe developed by Nijhawan.^{26,27} Details of the test section configuration and measurements are included in Appendixes A and E.

3.3 Test Conditions

Originally, the post-CHF experiments were to be conducted only in the steady-state mode, with the quench front stable at the inlet to the lower hot patch. Once testing began, however, it was determined that a quench front propagated into the test section for mass fluxes over $25 \text{ kg/m}^2\cdot\text{s}$ and pressures greater than 0.7 MPa. This inability to perform a complete series of steady-state experiments over a wide parametric range of test conditions was shown, during a posttest dissection and metallurgical analysis, to be due to a faulty braze of the lower hot patch. The faulty braze resulted in the performance of two types of experiments. A steady-state series was performed over a limited data range, and a slowly moving quench front series (quasi-steady-state) was performed over a much wider data range. Section 4.1 justifies the use of this latter type of experiment to obtain steady-state data.

The steady-state series, performed over a limited data range, covered a pressure range of 0.2 to 0.7 MPa, a mass flux range of 12 to $24 \text{ kg/m}^2\cdot\text{s}$, a heat flux of 7.7 to 27.5 kW/m^2 , and a test section inlet equilibrium quality range of 38 to 64%. The slowly moving quench front experiments covered a pressure range of 0.4 to 7 MPa, a mass flux range of 12 to $70 \text{ kg/m}^2\cdot\text{s}$, a heat flux range of 8 to 225 kW/m^2 , and a test section inlet quality range of -7 to 47%.

3.4 Operating Procedure

To initiate an experiment, the main loop was first heated to a temperature that provided fluid at the desired test section inlet quality when flashed across the inlet flow control valve (FCV-1T in Figure 3) at a given test section pressure. The surge tank and test section were initially pressurized with nitrogen to the desired test pressure, with no flow in the test section. The test section and hot patches were slowly heated to the specified temperature for the experiment.

During performance of the steady-state experiments, when the main loop, test section, and hot

patches were at the specified temperatures for a given test run, flow from the main loop was circulated through one of the flow orifice lines, the inlet flow control valve, and the test section in a once-through manner. Flow to the test section was then adjusted through the inlet flow control valve until the desired flow rate was obtained. In order to maintain the set temperatures, power to the hot patches and the test section was controlled automatically by an EPTAK microprocessor. To provide measurement of the vapor temperature, the vapor probe aspirating valves were opened and adjusted.

When all parameters were stable, their measurements (data) were recorded for a period of several minutes, with either the test section temperature or voltage (power) being controlled. The constant-voltage tests resulted in less fluctuation of the test section power. However, when the parameters for temperature- and voltage-controlled portions of the experiment were time averaged over a period of 60 s to obtain a data point, the values were basically the same.

The process of lowering the test section temperature and taking data was repeated until the test section inlet quenched. Each temperature counted as a test run. A backflow of nitrogen from the surge tank was initiated after quench, and low power was applied to dry out the test section. Conditions were then reset for another series of steady-state experiments.

The operating procedure for the quasi-steady-state experiments was similar to that for the steady-state experiments, with the following exceptions. The lower hot patch was heated to the saturation temperature at the corresponding test section pressure for a given test run. This process eliminated (a) heat transfer between the hot patch and the incoming fluid, to simplify determination of the test section inlet fluid quality, and (b) heat losses from the hot patch to the environment.

Data recording began just prior to initiating flow to the test section. During quasi-steady-state Runs 50 through 127, the inlet piping configuration was the same as for the steady-state runs. Due to flow control limitations with the inlet micrometering flow control valve, a period of up to about 120 s

was required to obtain a steady flow rate during these experiments. The result was that the quench front had generally propagated from about 15 to 45 cm into the test section before the flow rate was stabilized.

Following Run 127, the inlet piping configuration was changed, as described in Appendix C, to allow a stable flow rate to be preset before diverting flow into the test section. This method of operation was found to be very successful, with useful

data being obtained from the beginning of the test section quench.

The amount of nonequilibrium at each vapor probe decreased as the quench front moved up the test section during the quasi-steady-state test runs. The vapor probes encountered more frequent rewets and recoveries as the quench front approached, and generally quenched permanently when the quench front was within about 15 to 30 cm of the probe. When all of the vapor probes had encountered permanent quenches, the test run was terminated.

4. EXPERIMENT SELECTION AND DATA REDUCTION ANALYSIS

This section describes the steps taken to choose which experiments were to be analyzed, as well as the steps taken to reduce the raw data recorded at the facility to the final selected data points presented in this report. A heat transfer "data point" is defined by the measurement of the vapor temperature at a given elevation in the test section, along with the following quantities: test section pressure and associated saturation temperature; mass flux; test section inlet equilibrium quality and enthalpy; and wall temperature, equilibrium quality, and convective heat flux at each wall thermocouple location. For example, a data point was obtained corresponding to each operating vapor probe in the test section during a steady-state run.

4.1 Experiment Selection

A selection of which experiments were to be analyzed was required for two reasons. First, a limited amount of the data taken was of marginal quality, generally due to nonexistent or poor vapor temperature measurements, that it was not analyzed. Second, sufficient funding was not available to reduce all of the data. These factors led to the selection procedure discussed in this section.

Selection of the steady-state experiments to be analyzed was a straightforward procedure in that only those experiments which had a stable operating condition were chosen. This eliminated those runs for which the lower hot patch was unable to hold the quench front out of the test section and resulted in 37 steady-state runs for analysis.

The selection of the quasi-steady-state experiments for analysis was more subjective, with three key considerations entering into the procedure. The first was that the quench transient be slow enough that steady-state heat transfer conditions existed; the second was the quality of the vapor probe measurement; the third was the relationship of the individual experiment to the parametric distribution of all experimental runs. The third consideration resulted in the analysis of some runs which were not as good as others (in terms of vapor probe readings, for example) in order that (a) a data base covering the widest parametric range possible be obtained and (b) a data base dominated by "easy to get" data be avoided.

Justification of the application of steady-state heat transfer to transients has received rather extensive study. The work of Sparrow and Siegel³³ and Siegel³⁴ is typical of this effort. Their studies show the regions over which this approximation is valid, but basically the requirement is that the thermal changes due to heat transfer at the wall be slow compared to the resident time of the fluid. This means that the fluid must move through a tube, such as that used for these experiments, with minimal change in the thermal state of the tube. All test runs met this condition.

In looking at the response of the vapor probes, it was necessary to make a qualitative judgment of each experiment. For some test runs, the vapor probes were quenched frequently and recoveries were not sustained, as shown in Figure 5 for Run 178. A confident vapor temperature could not be obtained from this type of response; therefore, this run was not analyzed. The quality of the vapor probe measurements for other test runs ranged from periodic quenches and sustained recoveries to essentially no quenches at all. Therefore, some engineering judgment was involved in selecting times or inferred vapor temperatures for data points. Figure 6 shows a vapor temperature measurement at the 152.4-cm elevation for Run 119, during which sustained recoveries were obtained between quenches of the probe. In this case, confident data points could be obtained during the sustained recoveries, or inferred data points could be confidently interpolated between the sustained recoveries. Figure 7 shows the measured vapor temperature at the 152.4-cm elevation for Run 78, during which there were essentially no quenches of the probe. A confident data point could be obtained at any time during this type of experiment. Each test run was evaluated on this basis and given a rating between one and five, called the priority number. A rating of one indicated an unacceptable test. A rating of two generally meant the test was acceptable from the standpoint of thermal-hydraulics, but no valid vapor temperature measurements were obtained. Run 178 (Figure 5) provides an example of such a situation. Those runs with good, clear vapor temperature measurements and good thermal-hydraulics, such as shown in Figure 5 were given a rating of five. Runs with good thermal-hydraulics and vapor temperature measurements with quenches and sustained recoveries—

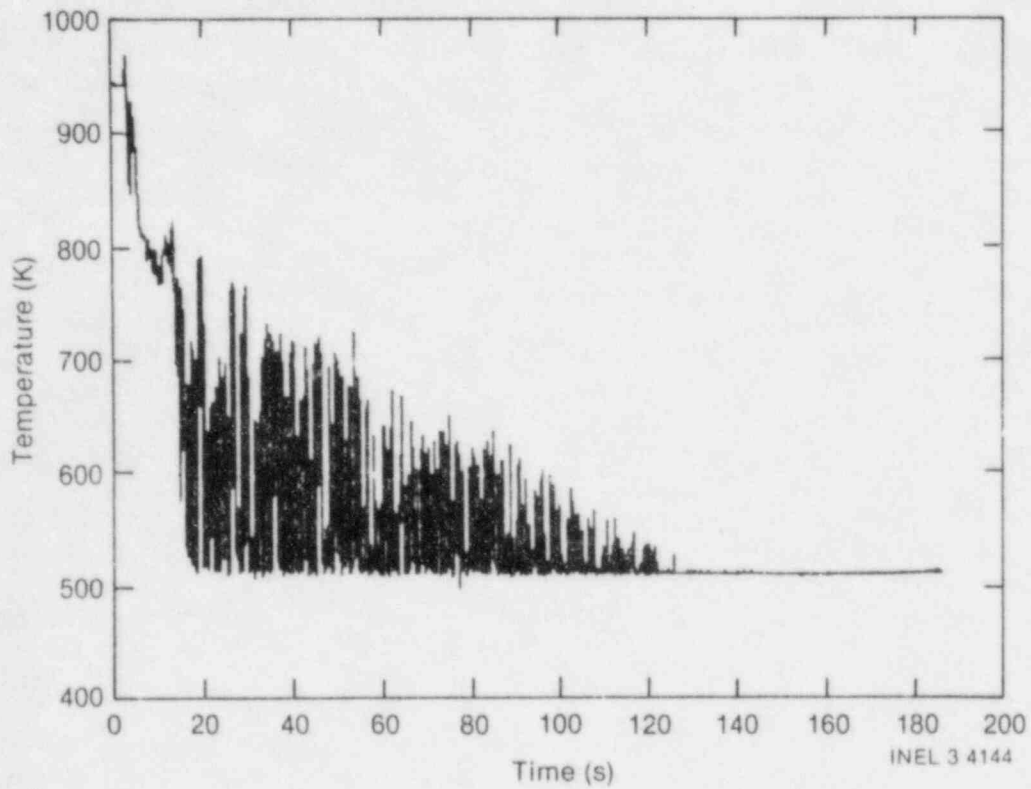


Figure 5. Vapor probe response with insufficient recovery for analysis.

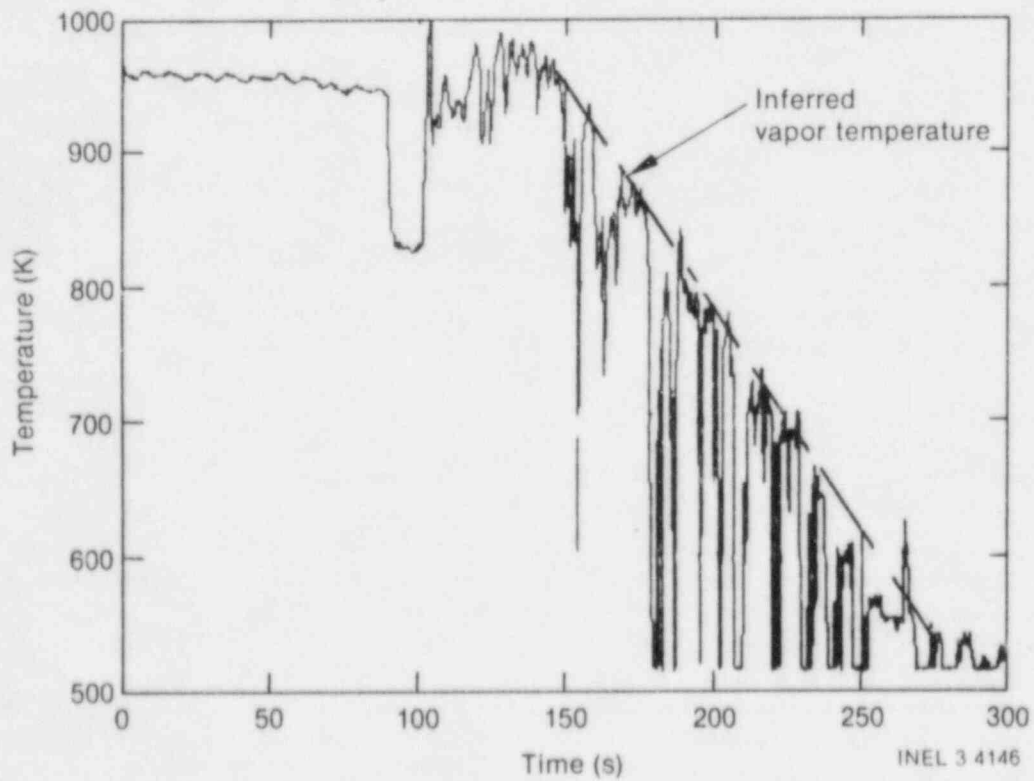


Figure 6. Vapor probe response with sufficient recoveries to infer vapor temperatures where needed.

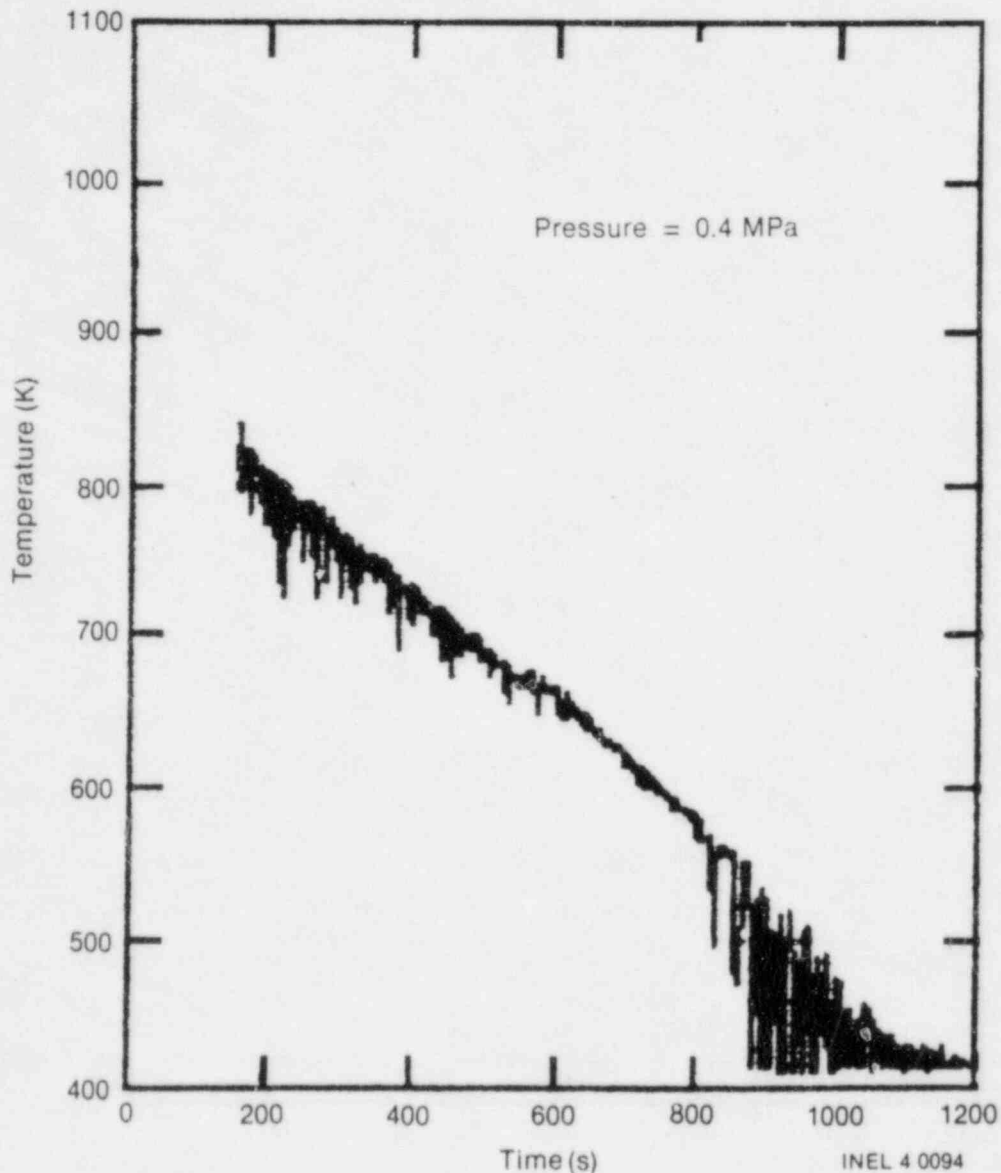


Figure 7. Vapor probe measurement for Test Run 78.

Figure 6 being an example—were given a rating of three or four, depending on the number and duration of the recoveries.

Having gone through these two considerations for each test run, the runs were then plotted in the inlet quality/mass flux plane for each pressure grouping used in these experiments. The run number, ranking, and a preliminary average heat flux (based on test section power) were noted for each run, as shown in Figure 8 for 3.5 MPa. From these plots, quasi-steady-state runs that were to be reduced were chosen on the following basis: (a) ensuring the widest possible parametric range,

(b) picking the better (higher ranking) of equivalent runs in a given region, and (c) ensuring that the data base obtained would not be dominated by data in a given subregion due to a surplus of good runs in that region.

4.2 Data Reduction Analysis

The data reduction effort was divided into (a) time averaging, (b) screening for spurious data points, and (c) calculating local hydraulic and heat flux conditions. These topics are discussed in the following subsections.

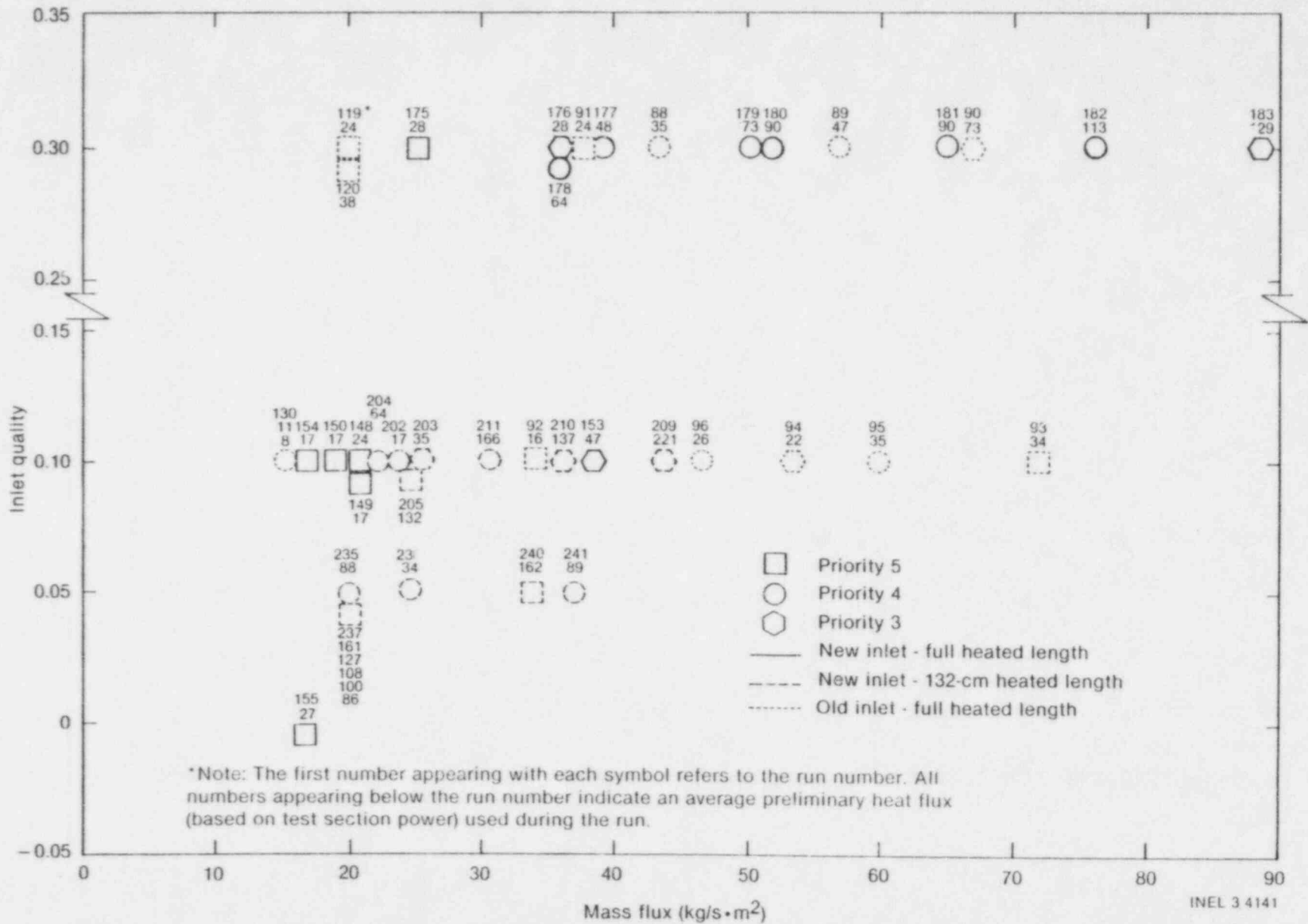


Figure 8. Parametric plot of inlet quality versus mass flux for experiments at 3.5 MPa.

4.2.1 Data Averaging. To reduce the amount of data to a manageable quantity, the raw data (taken at a rate of 50 samples per second) from those channels to be used in the analysis were averaged to obtain a single point to represent each second. This average was obtained by taking the mean value of the middle 10 points of each 50-point segment, and then setting the time to the midpoint of that segment. Although the selection of a 1-s time step was somewhat arbitrary, the averaged data were checked against the original data to ensure that a sampling frequency sufficient for the phenomena being measured was provided. The averaged data were stored on permanent file for later access.

4.2.2 Data Screening. Program DTAFIX was written to screen out any spurious data introduced by voltage spikes in the data acquisition system. The standard deviation was calculated at each data point using the point in question, as well as the 10 preceding and the 10 following. If the data point in question fell outside 2 standard deviations, it was replaced with the same value as the preceding data point.

Any corrections to the data were also made in program DTAFIX. These changes were a result of known offsets and/or uncertainties in the data, as detailed in Appendix E. The corrected data were also stored on permanent file to be used as input to the data reduction program.

4.2.3 Data Reduction and Calculation of Local Conditions. The data reduction program was written such that either steady-state (fixed quench front in the lower hot patch) or quasi-steady-state (moving quench front) runs could be analyzed.

Inherent in the reduction of the experimental data described in this section is the assumption that the mass flow, heat generation, and test section inlet conditions are constant over each time step. Neglecting the transient terms in the analysis of the hydraulic side of the experiment is in keeping with the assumptions of a quasi-steady-state experiment, as discussed in Section 4.1. The largest degree of uncertainty introduced by this assumption is due to the effects of mass storage in those low void and subcooled experiments. However, due to the long duration of these runs, the effect is minimal for even these cases. The change in the stored energy of the test section due to heating or cooling of the tube is, however, accounted for from time step to time step.

For the calculation of heat flux, the test section was divided into segments defined by the available wall thermocouples for that particular run. The segments were defined from the midpoint between adjacent thermocouples; consequently, the thermocouple is generally not at the midpoint of the segment, nor are the segments of equal length. If, for any given run, a thermocouple had failed, the adjacent segments were automatically increased in length. All thermal variables were considered constant throughout each segment for any given time step.

The hydraulic or fluid segments were defined from thermocouple location to thermocouple location such that the top of each fluid segment corresponded to a thermocouple elevation. When vapor probes were encountered in a fluid segment, additional calculations were made to define local hydraulic conditions at the probe locations.

The calculation sequence is shown in the flow chart in Figure 9. The function of the individual subprograms is discussed below.

Data input to the reduction program are read via subroutine SETUP. In addition to the experimental data which are read from the previously described DTAFIX file, the user must input identification and geometry information defining the location of the thermocouples and vapor probes. The start and stop times for the analysis are included, as well as the selection of options concerning heat loss calculations. Once the data are read in, the program sets up the tube heat transfer and fluid segments and then determines which segments are associated with the vapor probes. Further program description is supplied in Appendix E.

Subroutine QFRONT is called next to determine the quench times for each test section wall thermocouple location for the moving quench front runs. This subroutine looks at all the data on the file and is not limited by the start and stop time input by the user. The quench times are defined as the time when the dT/dt of the test section wall thermocouple is maximum, once the value exceeds 10 K/s. Figure 10 presents a typical thermocouple trace at the 115.6-cm elevation for Run 102, showing the maximum dT/dt determined, which was 39.5 K/s at 417.5 s. The subroutine then calculates the quench front location and velocity as a function of time and finds the quench times, regardless of whether the tube is quenching from top or bottom,

or both. Figure 11 is a typical plot obtained for Run 102. The computed quench front elevation and velocity are limited to the bottom-up quench.

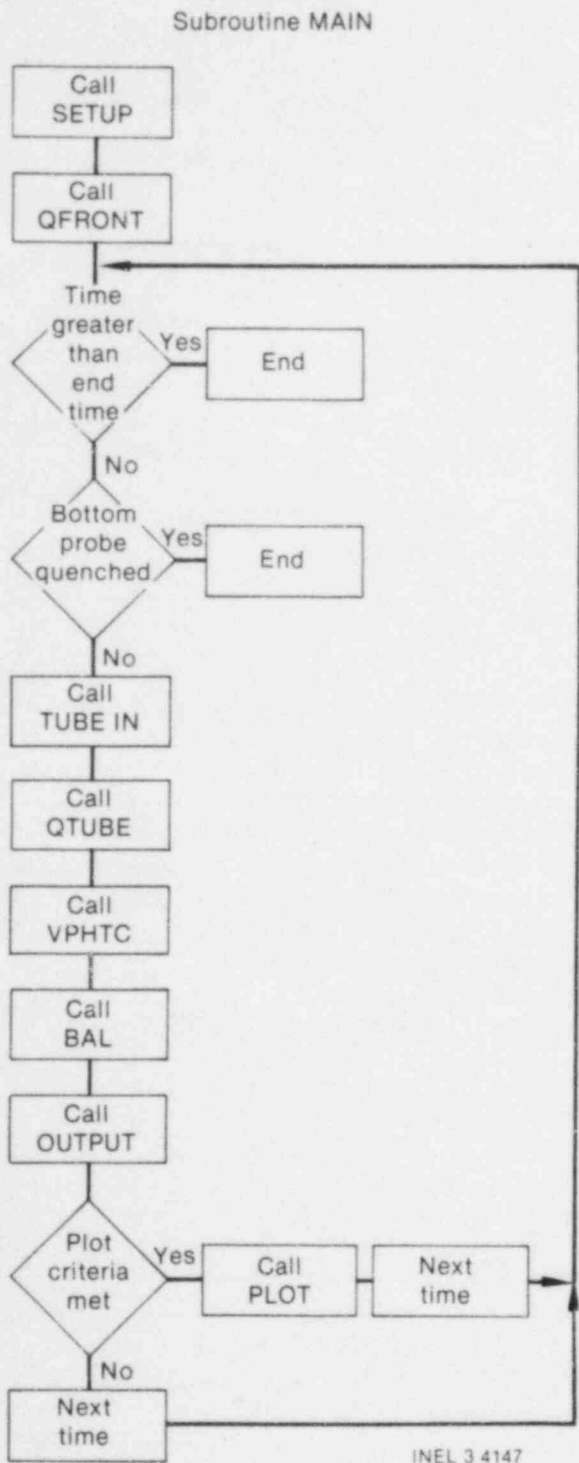


Figure 9. Flow chart for MAIN program showing calculational logic for data analysis.

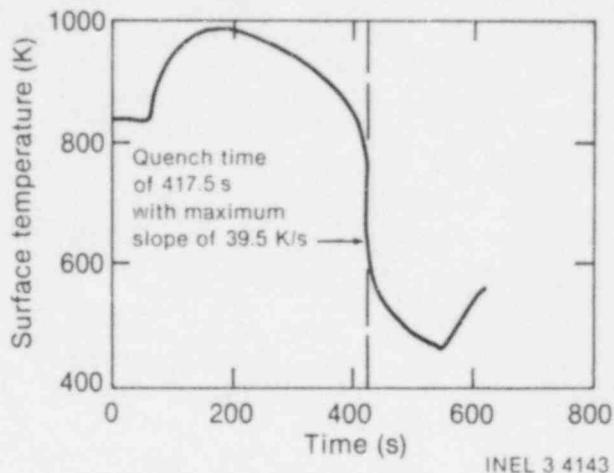


Figure 10. Typical thermocouple response denoting quench point (maximum dT/dt).

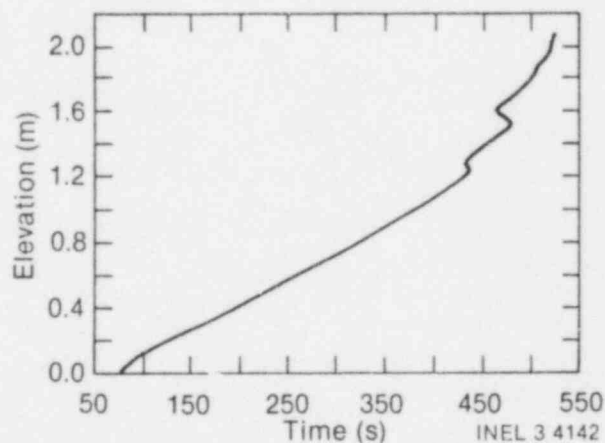


Figure 11. Typical plot of quench front elevation as a function of time.

The two previously described subroutines are called only once during the execution of the data reduction program. The balance of the analysis steps are performed for each time step (1 s) for only the duration selected by the user.

The thermal-hydraulic state of the fluid entering the test section is determined in subroutine TUBEIN. The fluid enthalpy entering the lower hot patch is determined from the loop pressure (PE-3) and the temperature at the flow control valve (TE-FCV-1T). This neglects heat losses between TE-FCV-1T and the lower hot patch, since that line has heater tape set to the saturation temperature. The flow rate is calculated from the orifice differential pressure measurement, and the fluid density is defined by the loop pressure and temperature. The change in enthalpy as a result of the lower hot patch

can be included, if the user desires and if the power input to the lower hot patch minus the calibrated heat losses to the environment are considered. As noted previously, except for the steady-state runs, the lower hot patch temperature was maintained as close as possible to the saturation temperature, thus minimizing any transfer of heat from the lower hot patch to the fluid.

Subroutine QTUBE calculates the inside tube wall temperature and the local heat flux from each tube segment to the fluid for each 1-s time interval. The local convective energy transport is calculated by considering each component separately in the energy balance for the individual tube wall segment, as shown in Figure 12.

$$Q_{gen} + Q_{acon} - Q_{conv} - Q_{loss} = A_{metal} \rho C \Delta T \Delta Z \quad (1)$$

Q_{conv} , the heat transferred to the fluid, is then

$$Q_{conv} = Q_{gen} + Q_{acon} - Q_{loss} - A_{metal} \rho C \Delta T \Delta Z \quad (2)$$

where $A_{metal} \rho C \Delta T \Delta Z$ represents the change in tube wall stored energy for a 1-s time interval. Appendix K presents greater detail on the evaluation of each of the above terms.

In actuality, the axial conduction term was not included in the above energy balance because it is small, except around the quench front, and even there does not affect the net deposition of energy to the fluid. The Q_{loss} term is optional, as specified by the user, and was used only for the steady-state runs. However, it did influence the selection of the data points chosen from the quasi-steady-state runs and is discussed in Section 4.3 and Appendix I.

The calculation of local fluid conditions at each thermocouple takes place in subroutine BAL. The program sums the heat flux from the tube wall to the fluid, calculates the local enthalpy, and then calculates the local equilibrium quality from

$$XE = \frac{h_e - h_f}{h_{fg}} \quad (3)$$

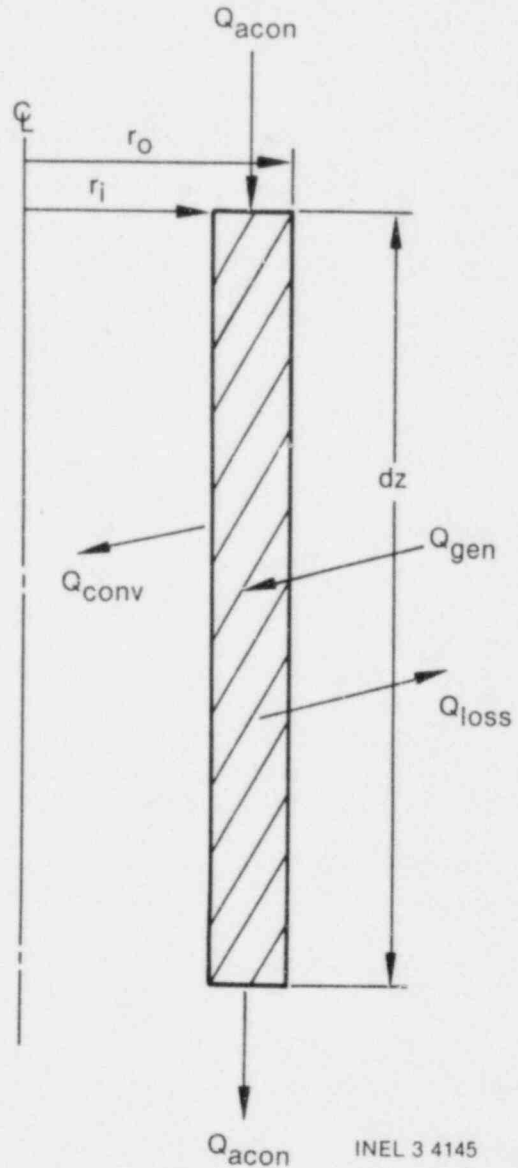


Figure 12. Energy balance for tube wall segment.

and equilibrium homogeneous (assuming no slip) void fraction from

$$VOIDE = \frac{XE}{XE + \frac{\rho_g}{\rho_f}(1 - XE)} \quad (4)$$

A heat transfer coefficient, based on saturation temperature, is defined for each level.

The actual vapor temperature is measured at the elevation of the vapor probes. Consequently, it is possible to calculate the actual quality as determined from

$$XA = \frac{h_e - h_f}{h_v - h_f} \quad (5)$$

and the actual homogeneous void fraction as given by

$$VOID = \frac{XA}{XA + \frac{e_v}{e_f}(1 - XA)} \quad (6)$$

The actual quality reflects the nonequilibrium of the process and may also be called the flow quality. See Lahey and Moody⁷ for a discussion of the different definitions of quality which may be used.

The results of the data reduction analysis are preserved in several ways. The printed output is stored on microfiche. As a part of the data reduction program, plots of wall temperature versus elevation are generated each time a thermocouple quenches; these plots are also stored on microfiche. The plot file is stored on permanent file so that hard copies can easily be made. All of the calculated variables are also stored on permanent file, which is ultimately reformatted to CWF format for ease of plotting variables versus time. When all the permanent files for any one run are completed, they are all transferred to tape for storage.

The final magnetic tape for each run contains the following files:

AVE***	Averaged data
FIX***	Corrected and screened data
RZT***	Results from data analysis run
PLT***	Plot file for temperature/elevation plots
CALA***	CWF files of calculated variables as a function of time
CALB***	
CALC***	
CALD***	
CALE***	
CALF***	

where *** represents the experiment run number.

4.2.4 Calculation of Vapor Generation Rates.

From the vapor continuity equation, the volumetric vapor generation rate, Γ , may be written as

$$\Gamma = G \frac{d(XA)}{dz} \quad (7)$$

The actual quality, XA , could be determined as discussed in the preceding section. For those experiments which had multiple probes operating, the rate of change of actual quality with respect to length was obtained using a simple forward finite difference evaluation. As shown, multiplication of the resulting value by the measured mass flux yields the volumetric vapor generation rate. If only two vapor probes were in operation, a single value of volumetric vapor generation resulted and, due to the difference scheme, was defined as the Γ at the lowest probe. With three probes in operation, two values of Γ were obtained. The first Γ was found from Probes 1 and 2 and was defined as the Γ at Probe 1. The second Γ was found from Probes 2 and 3 and was defined as the Γ at Probe 2. This forward difference definition of Γ was utilized, as opposed to a central difference scheme which might define the Γ as halfway between the probes, in order that a measured value of vapor temperature at a probe could be used instead of an interpolated vapor temperature from the two probe measurements during the comparison of Γ models with the data.

The use of multiple vapor probe measurement stations in the calculation of Γ has an advantage over the single-probe measurement coupled with a moving quench front test, such as employed by Evans, Webb, and Chen.²⁹ The single-probe technique obtains a vapor temperature measurement as the distance from the quench front decreases during the quenching process. Thus, a rate of change of actual quality with respect to length can be calculated; however, this is not with all parameters constant. For this type of experiment, the quality at CHF is changing. Thus, numerous data points must be obtained in order that Γ may be correlated. However, the multiple-probe configuration provides a direct measure of Γ for either steady-state or quasi-steady-state experiments. The data may then also be utilized in the same manner as single-probe data. One hundred and sixty-two vapor generation rate measurements were obtained from the multiple-probe data. The vapor generation rate data are presented in Appendix H.

4.3 Selection of Reportable Data Points

This section describes the procedure used to select the heat transfer data points reported in Appendix H. Thirty-seven steady-state runs and seventy-one quasi-steady-state runs were selected for

analysis to cover the range of parameters investigated. One data point at each functioning vapor probe was generally obtained for each steady-state test run, resulting in 83 heat transfer data points. Vapor temperature, wall temperature, flow rate, test section power, and other experimental measurements were analyzed over a period of approximately 100 s to obtain the data point values reported.

Data exist at 1-s intervals for the quasi-steady-state runs, as noted earlier. However, each point does not necessarily represent new information, since these runs change relatively slowly in order to yield steady-state data. Thus, a criterion was developed so that unique data points might be selected. Early analysis of the data indicated that distance from the quench front seems to be one of the key parameters in the results, so that a simple criterion to select unique data points became the quench of each wall thermocouple. This provided measurements with the quench front location typically changing 7.62 cm between each data point. This was the general criterion used in the selection of each quasi-steady-state data point, with some liberties taken if a measured vapor temperature could be obtained, instead of an inferred one, by selecting the point slightly earlier or later than the exact time of quench indicated by a given wall thermocouple.

Using this criterion, the 71 quasi-steady-state experiments yielded actual data points and inferred data points. For each actual data point, the vapor temperature, wall temperature, wall heat flux, and other reported parameters were averaged over a certain time interval, depending on the variation in parameters at the time of the data point. This method resulted in the local time-averaged values reported in Appendix H; and primarily smoothed the variations in calculated wall stored energy, which otherwise would have been large enough to cause a significant error in instantaneous wall heat flux. An alternative method is that suggested by Delhaye,³⁵ which applies a double-time-integration technique to ensure a continuous first derivative, thus controlling the stored energy term.

As noted earlier in Subsection 4.2.3, the Q_{loss} term of Equation (1) did influence the selection of the quasi-steady-state data points. The Q_{loss} term is caused by two factors; (a) the insulation around the test section, and (b) a gamma densitometer which was installed after Run 50 in an effort to measure density at the 121.92-cm elevation. Generally, the influence of the insulation occurred at

all axial locations along the tube. The influence of the insulation, discussed in greater detail in Appendix I, has a second-order effect, due to the operational procedure and the data selection procedure. The gamma densitometer was installed in an effort to measure density and the calculated slip. The measurement proved unsuccessful and is not reported; however, the gamma densitometer and the clamps used to position the test section produced greater heat losses than those associated with the insulation, causing a local temperature depression due to the nearness of the gamma source (1.27 cm from the tube).

Since a calculation of the local losses to the gamma source and centering clamps was not feasible, a procedure was required to select data for which the losses at the gamma densitometer had become small. From Equation (I-7) of Appendix I, the local cooldown rate is given by

$$\frac{dT}{dt} = \frac{1}{\rho C} \left[q_{\text{gen}} - \left(\frac{4d_i}{d_o^2 - d_i^2} \right) (q_{\text{conv}} + q_{\text{loss}}) \right], \quad (8)$$

which is the same as Equation (2), except that it is written in terms of heat flux instead of energy. Equation (8) may be rewritten as

$$q'_{\text{conv}} = q_{\text{gen}} - \left(\frac{d_o^2 - d_i^2}{4d_i} \right) \rho C \frac{dT}{dt} \quad (9)$$

where $q'_{\text{conv}} = q_{\text{conv}} + q_{\text{loss}}$. Similarly, Equation (2) yields

$$Q'_{\text{conv}} = Q_{\text{gen}} - A_{\text{metal}} \rho C \Delta T \Delta Z \quad (10)$$

where $Q'_{\text{conv}} = Q_{\text{conv}} - Q_{\text{loss}}$. Thus, q'_{conv} or Q'_{conv} are the quantities which the current data analysis procedure yields, and by ensuring that Q_{loss} or $q_{\text{loss}} \approx 0$, the desired Q_{conv} or q_{conv} are obtained.

Two steps were taken to ensure that the heat losses were small enough to yield valid data. If it is required that $dT/dt \leq 0$, the losses must be decreasing. This decrease in heat losses results from the fact that the insulation next to the tube or the clamp contacting the tube must have reached the

maximum temperature and be decreasing in temperature. As seen in Equation (8), this requirement only implies that

$$q_{\text{gen}} \leq \left(\frac{4d_i}{d_o^2 - d_i^2} \right) (q_{\text{conv}} + q_{\text{loss}}) \quad (11)$$

and does not yield any information as to the relative magnitudes of q_{conv} and q_{loss} . The second step employed is to estimate q_{conv} and compare it to q'_{conv} . Once this difference is made small enough by waiting until later in the experimental run before data are selected, valid data will be obtained.

To estimate the q_{conv} required by this second step, it is assumed that the heat transfer coefficient

upstream of any vapor probe location is continuous and smooth with respect to axial position z . This heat transfer coefficient is obtained on the basis of saturated fluid temperature instead of the superheated vapor temperature, since the vapor temperature is not known. Then, the saturated heat transfer coefficient data upstream of the gamma densitometer is curve fit to yield values through the temperature depression region to yield an estimated saturated heat transfer coefficient which, in combination with the saturated wall superheat, yields the estimated q_{conv} . Once the difference between the estimated q_{conv} and q'_{conv} becomes less than 10% for all thermocouples more than 2 cm upstream of vapor Probe 1, data point selection for that run may proceed.

5. RESULTS

This section discusses the work done both to ensure the validity of the data and to analyze it. To ensure the validity of the data, the replication of several tests was investigated, and a comparison of steady-state to quasi-steady-state test runs was made. In analyzing the data, parametric plots of the ranges and distributions of the test variables are presented. This is followed by the results of a regression analysis, performed to help identify the key parameters. Finally, comparisons between the data and existing correlations and correlation packages used by the advanced computer codes are presented.

5.1 Repeatability

The repeatability of the current tests was checked from several aspects. First, repeated runs of several tests were made to investigate replication for both the steady-state and quasi-steady-state tests. Second, comparison of test results from this test series was made with previously obtained data.²⁶ Third, comparison was made between different vapor probes as the quench front progressed up the test section during the quasi-steady-state testing.

5.1.1 Repeatability of Individual Tests. The results of three repeated steady-state experiments (12, 14, and 36), at a mass flux of approximately $19.5 \text{ kg/m}^2 \cdot \text{s}$ and a pressure of 0.4 MPa, are shown in Figure 13. The axial temperature distribution of the test section wall is shown in addition to the vapor superheat measurements. Good replication was observed for these test runs with the vapor temperature within the uncertainty of the measurement. It can be seen that significant vapor superheat occurs and increases with increasing local equilibrium quality or distance from the quench location (lower hot patch). The vapor superheat at the measurement elevations was approximately 75% of the wall superheat, typical of differences encountered in the steady-state experiments. Superheating of this magnitude represents relatively inefficient vapor-to-liquid heat transfer.

The results of two repeated quasi-steady-state experiments are shown in Figure 14. The wall temperature and vapor superheat measurements at the first vapor probe location, 121.92 cm, are plotted as a function of distance from the quench front. This type of plot is obtained for the wall

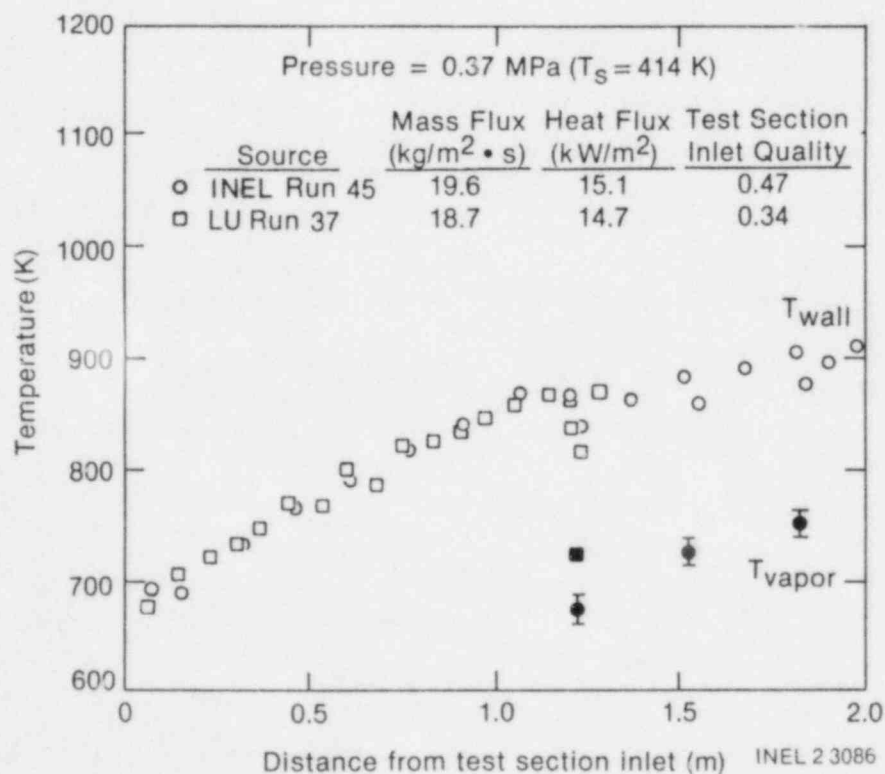


Figure 13. Wall and vapor superheat repeatability for steady-state INEL experiments.

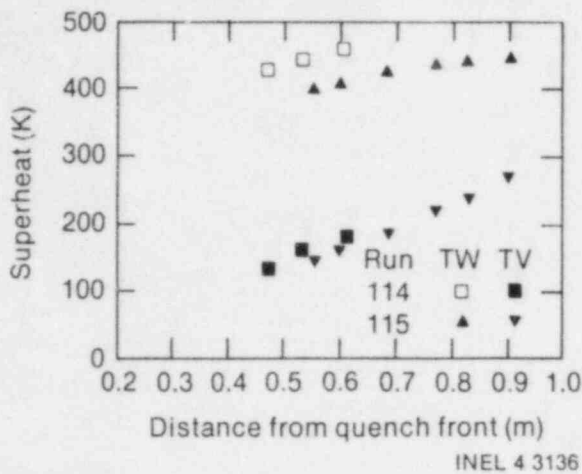


Figure 14. Wall and vapor superheat repeatability for first vapor probe during quasi-steady-state INEL experiments.

temperature by combining the wall temperature-time history and the quench front elevation history, as shown in Figures 10 and 11 respectively, in order to obtain wall temperature as a function of distance from quench front. Since the test section inlet flow could not be readjusted during the test and was somewhat difficult to set up, identical operational conditions could not be obtained, which accounts for most of the differences shown in Figure 14. To investigate how these operational differences affected the results, the data shown in Figure 14 were used to determine the heat transfer coefficients shown in Figure 15. The influence of flow differences was then taken into account by assuming that the functional form of the Chen-Sundaram-

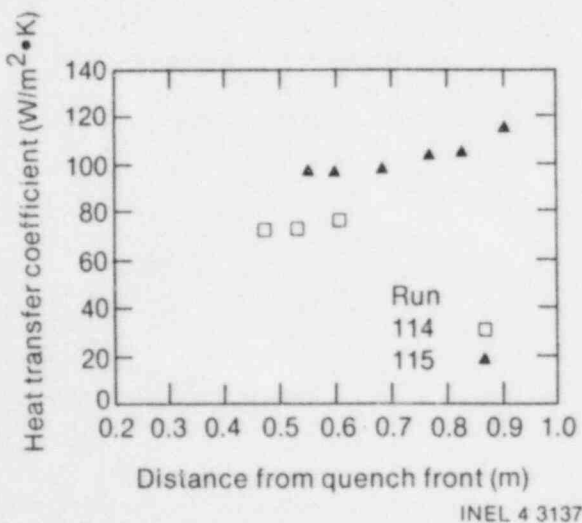


Figure 15. Heat transfer coefficient repeatability for first vapor probe during quasi-steady-state INEL experiments.

Ozkaynak (CSO) phenomenological correlation³⁶ (see Table 1) was correct and using these flow corrections from the CSO to eliminate the flow dependence from the heat transfer coefficient to produce Figure 16. This comparison shows excellent agreement between the two runs. Comparison at other levels is also good and within the data uncertainty.

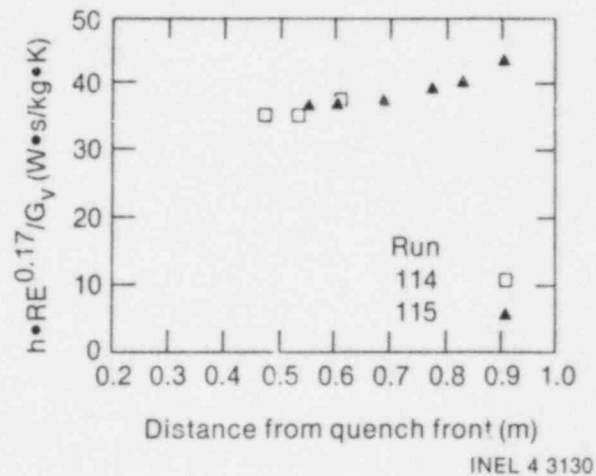


Figure 16. Heat transfer coefficient repeatability for first vapor probe, corrected for flow differences, during quasi-steady-state INEL experiments.

5.1.2 Repeatability With Respect To Other Experimental Data. Two experiments were conducted for the purpose of comparing the results with data taken previously at Lehigh University.²⁶ Good agreement of wall superheat and vapor superheat was observed for the experiments shown in Figure 17. Reasonable agreement was obtained between the experiments shown in Figure 18. The larger vapor superheat for the Lehigh experiments shown in Figure 18 is due partially to the higher test section wall temperatures upstream of the vapor probe. No data are shown for the Lehigh experiments above the 1.3-m level, since that was the length of their test section.

5.1.3 Repeatability of Multiple Probe Levels for Quasi-Steady-State Runs. As shown in Figure 14, measurements at a given vapor probe location can be plotted as a function of distance from the quench front for the quasi-steady-state runs. With multiple vapor probes available in the test section, multiple measurements are available for a given distance from the quench front. Thus, as shown in Figure 19

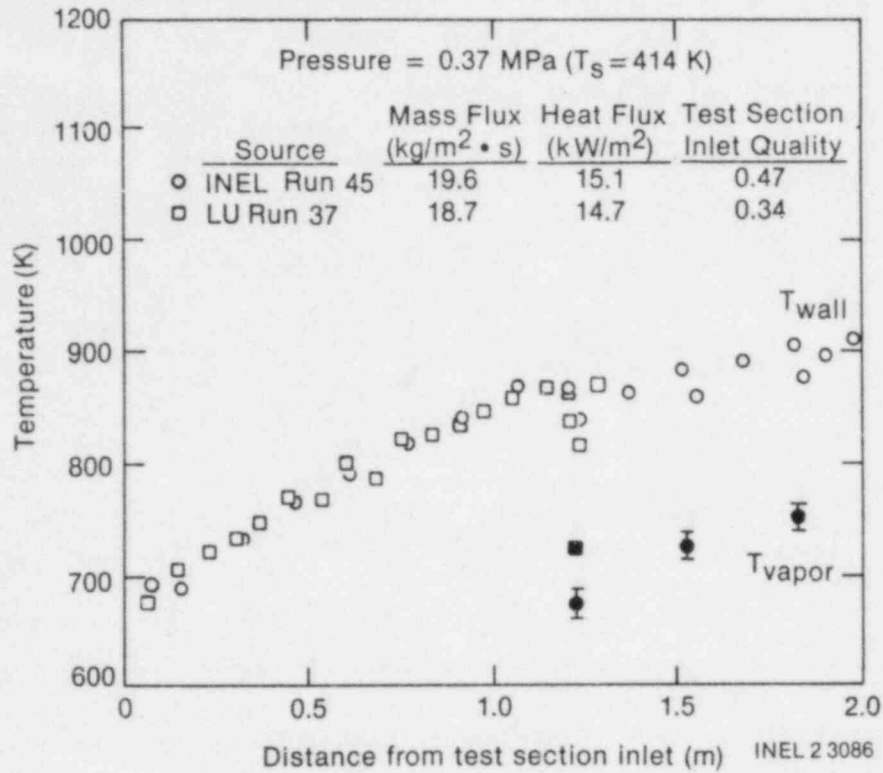


Figure 17. Comparison of wall and vapor superheat between INEL and Lehigh University experiment.

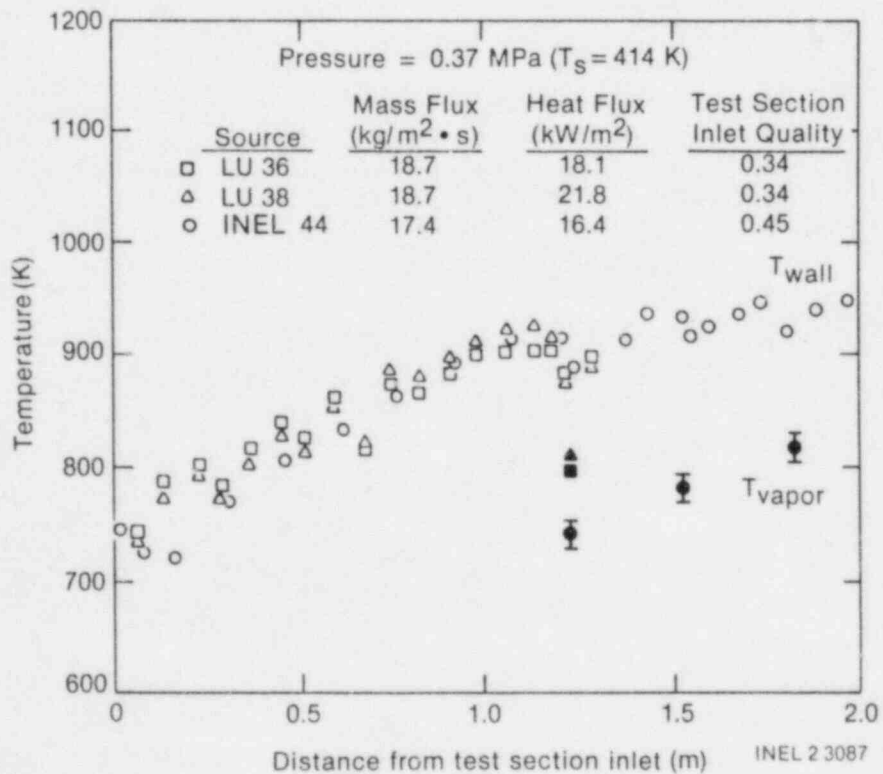
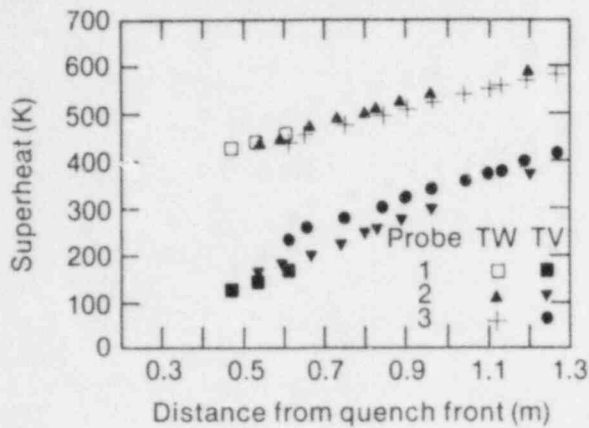


Figure 18. Comparison of wall and vapor superheat between INEL and Lehigh University experiments.

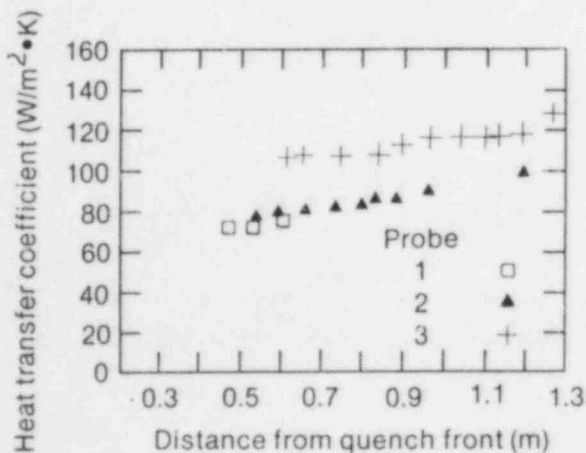


INEL 4 3132

Figure 19. Multiple-probe wall and vapor superheat measurements for INEL quasi-steady-state Run 114.

for Experiment 114, a comparison can be made for each of the vapor probes available. The three wall temperatures show close agreement. The vapor probe measurements for Probes 1 and 2 are in agreement, with some differences shown in the Probe 3 results.

Since the wall and vapor temperatures are relatively close together, showing significant non-equilibrium, the heat transfer coefficients, shown in Figure 20, indicate a larger difference in heat transfer coefficient for the third vapor probe. Since the dryout quality at the quench front is changing as the quench front progresses up the test section, an exact overlay of the results for the three probes depends on the sensitivity of the heat transfer to the



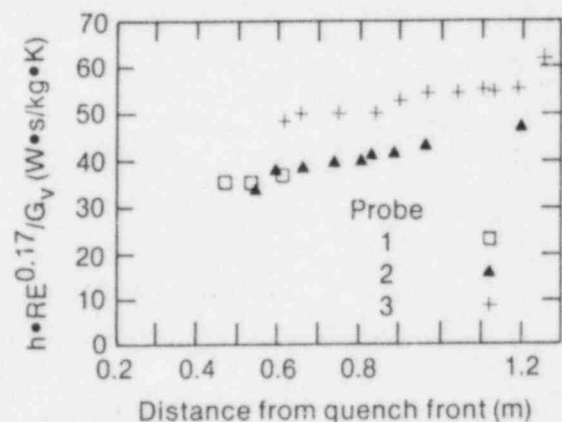
INEL 4 3129

Figure 20. Multiple-probe heat transfer coefficients for INEL quasi-steady-state Run 114.

dryout quality. Thus, the heat transfer coefficients for all three probes should overlay if this sensitivity to dryout quality is low, indicating a slight problem with the third probe measurement. However, if the sensitivity to dryout quality is great enough that an exact overlay should not result, a slight problem with either the first or second measurement must exist. Figure 21 further investigates the results for Experiment 114 by accounting for the vapor flow differences occurring at the different measurement levels, using the same factors as previously used to obtain Figure 16. This indicates that the flow differences which occur between the different levels do not significantly affect the results.

To further investigate the replication of the multiple-level probe results, the results of Experiment 115, which was a repeat of Experiment 114, are presented in Figure 22. Generally, more scatter is observed with both the wall temperatures and vapor temperatures than occurred during Experiment 114, resulting in more general scatter of the heat transfer coefficients of the three probe levels, as shown in Figure 23. Including the flow effect slightly improves the comparison, as shown in Figure 24, but this is not a significant improvement.

From the replication results presented in Subsections 5.1.1 through 5.1.3, it is concluded that good repeatability generally exists within the INEL data base, as well as reasonable comparison with data taken at Lehigh University. Generally, as good or better comparisons are obtained between probes at



INEL 4 3128

Figure 21. Multiple-probe heat transfer coefficients corrected for flow difference for INEL quasi-steady-state Run 114.

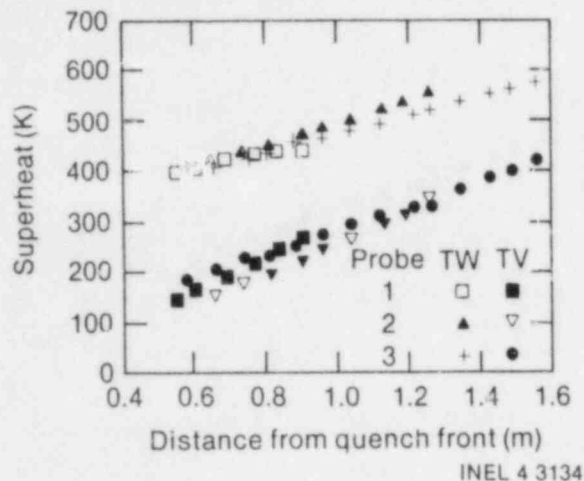


Figure 22. Multiple-probe wall and vapor superheat measurements for INEL quasi-steady-state Run 115.

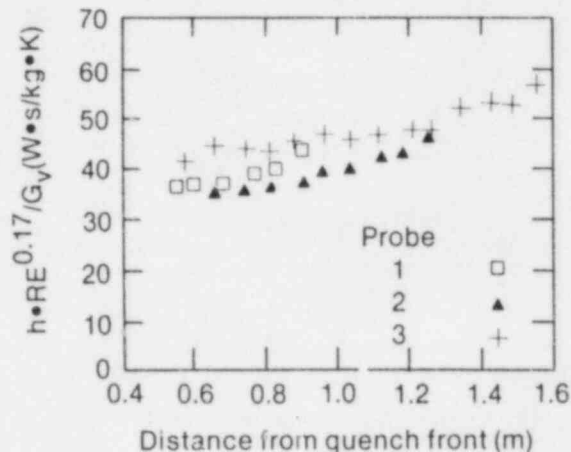


Figure 24. Multiple-probe heat transfer coefficients corrected for flow difference for INEL quasi-steady-state Run 115.

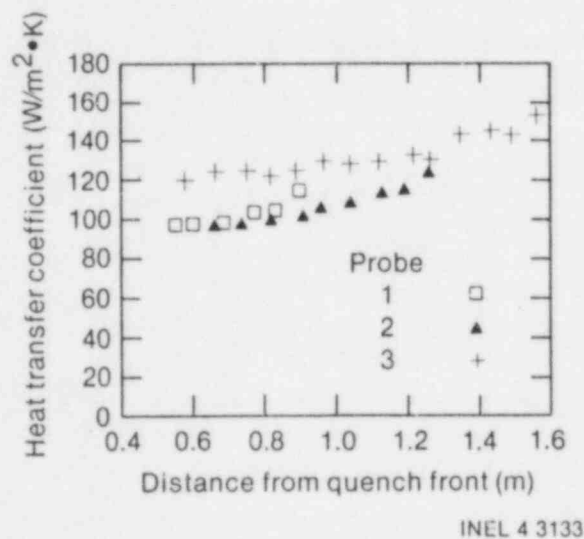


Figure 23. Multiple-probe heat transfer coefficients for INEL quasi-steady-state Run 115.

the same elevation during different runs with similar hydraulic conditions than are obtained between multiple probe results during the same run. This again indicates that the results are repeatable from experiment to experiment, but it also indicates that our capability to account for the differences between experiments (such as power and flow rates) is better than our capability to account for changing local quality or dryout quality within an experiment.

5.2 Steady-State and Quasi-Steady-State Comparison

Quasi-steady-state Experiments 114 and 115, which were discussed in the previous subsection relative to their repeatability, were also performed as counterpart experiments for steady-state Experiments 12, 14, and 36, which were discussed in Subsection 5.1.i. This allows a comparison to be made between steady-state and quasi-steady-state results to help verify the fact that the two types of experiments yield the same results, as suggested in Section 4.1.

Figure 25 shows an overlay of the wall and vapor superheats for these five experiments using the data from all three measurement elevations. A considerable amount of scatter exists, but most of it results from differences between Experiments 114 and 115, as previously discussed. The steady-state superheats generally agree with the quasi-steady-state superheats. Figure 26 provides a plot of the heat transfer coefficient with the previously noted corrections for the flow effect. Here, the steady-state results for the first two vapor probes are in reasonable agreement with the quasi-steady-state results. The steady-state data from the third probe, which are above the quasi-steady-state results, seem to follow the same trends.

5.3 Data Base Comparison of Measured and Calculated Variables

This section presents selected plots of the reduced data obtained from this experimental program. This

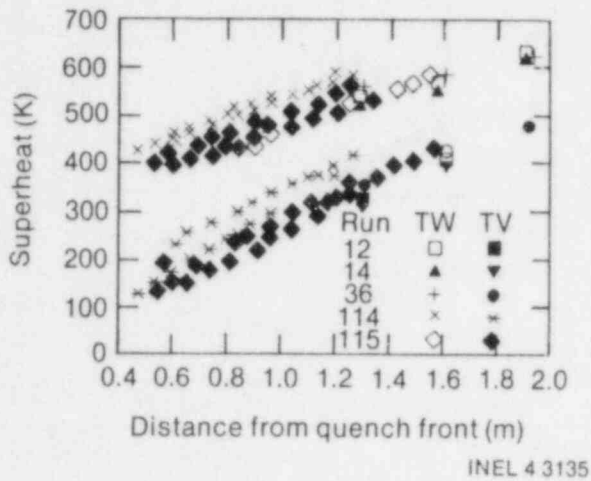


Figure 25. Comparison of wall and vapor superheats for steady-state and quasi-steady-state tests.

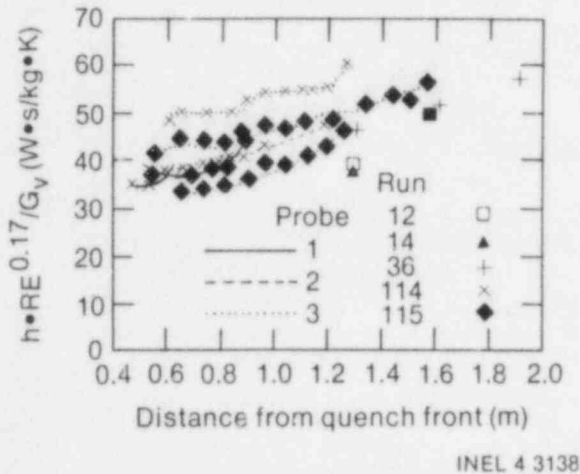


Figure 26. Comparison of heat transfer coefficients for steady-state and quasi-steady-state tests, corrected for flow differences.

is done in order to provide an understanding of the distribution of the data which cannot be obtained from quoted data ranges. Additional parameter-versus-parameter plots are presented on microfiche at the end of the report. Also, a discussion of the synthesized low quality effect, as shown in Figure 1, is presented, since this is available as one data comparison.

As a general rule, the distribution of data over the various parameter ranges is quite uniform, with certain exceptions caused by physical limitations of the system. Figure 27 is a plot of pressure versus mass flux for all the reduced data. There are basically three pressure levels, 0.5, 3.5, and 7.0 MPa,

each having a range of mass flux from 10.0 to 70.0 $\text{kg/m}^2 \cdot \text{s}$. There is a slight concentration of low mass flux data at the low pressure range, arising from the steady-state data.

Figure 28 shows the ranges of equilibrium quality and actual quality. There is a uniform spread of data over the equilibrium quality range from 0.1 to 1.1, resulting in an actual quality range of 0.1 to 0.8.

The data ranges for critical heat flux quality and distance from critical heat flux are shown in Figure 29. The quality at the CHF location spans the range from 0 to 0.7 and is fairly uniformly distributed over that range. Data were taken very close to the CHF location and up to about 2 m downstream from the CHF location.

Vapor and wall temperatures are shown in Figure 30. The vapor temperatures cover the range from 400 to 950 K, whereas the wall temperatures range from 650 to 1250 K. The diagonal line on the figure, given by $T_{\text{vapor}} = T_{\text{wall}} - 100$, represents a minimum temperature difference between the wall and vapor of 100 K for all of the data.

The two parameters, heat flux and heat transfer coefficient, are plotted in Figure 31. The heat flux spans the range from 0 to $1.8 \times 10^5 \text{ W/m}^2$, whereas the heat transfer coefficient, defined as $\text{heat flux}/(T_{\text{wall}} - T_{\text{vapor}})$, ranges from 0 to $600 \text{ W/m}^2 \cdot \text{K}$.

Figure 32 is a plot of heat flux versus distance from CHF, and it indicates a lack of data in the distance range above 1.2 m and in the heat flux range above $6.0 \times 10^4 \text{ W/m}^2$. This data void is a result of having to reduce the length of the test section in order to achieve the higher heat fluxes, thus eliminating the upper two vapor probes.

Figures 33 and 34 show the equilibrium quality and the actual quality plotted against the quality at CHF, respectively. The diagonal line on each plot indicates where the equilibrium quality or the actual quality is equal to the quality at CHF. The equilibrium quality is always greater than the CHF quality for the data, and, theoretically, the actual quality should also be greater than the CHF quality; however, there are a few points where the actual quality is shown to be less than CHF quality. This is caused by the uncertainty in the measured vapor temperature which is used in the calculation of actual quality.

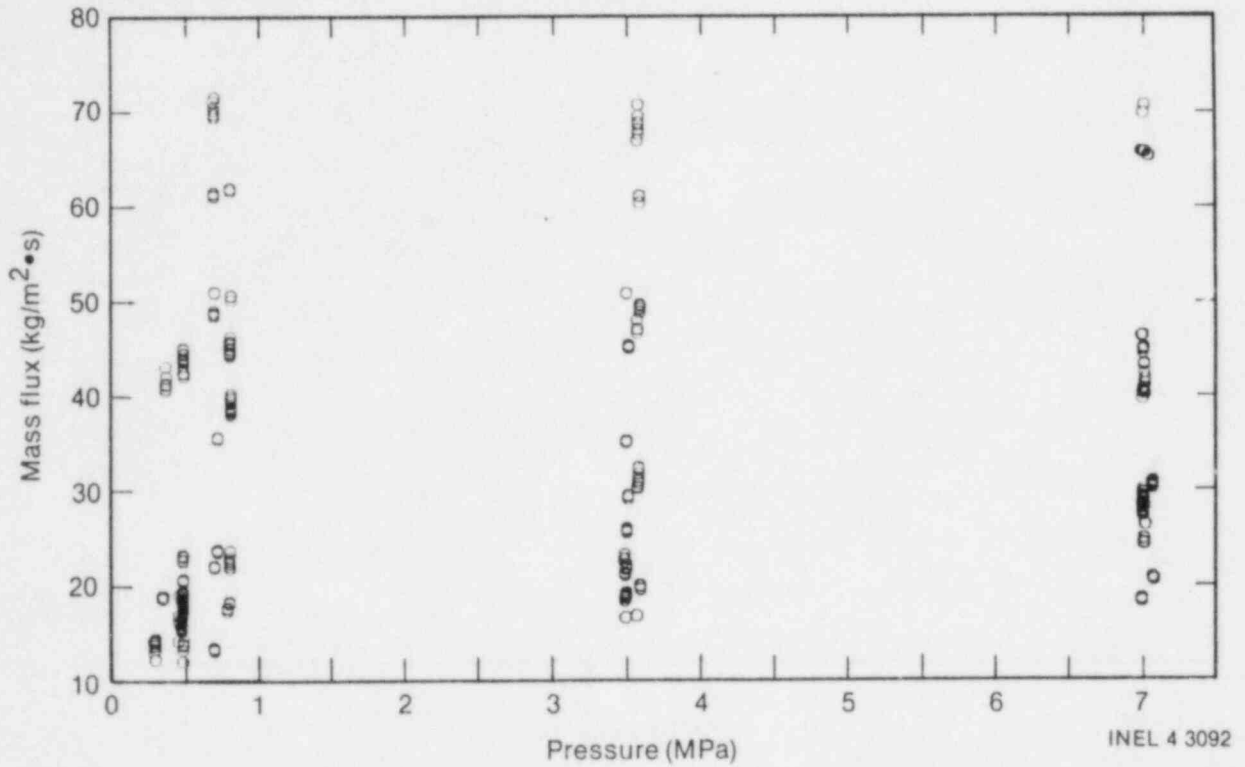


Figure 27. Mass flux and pressure range of reduced data.

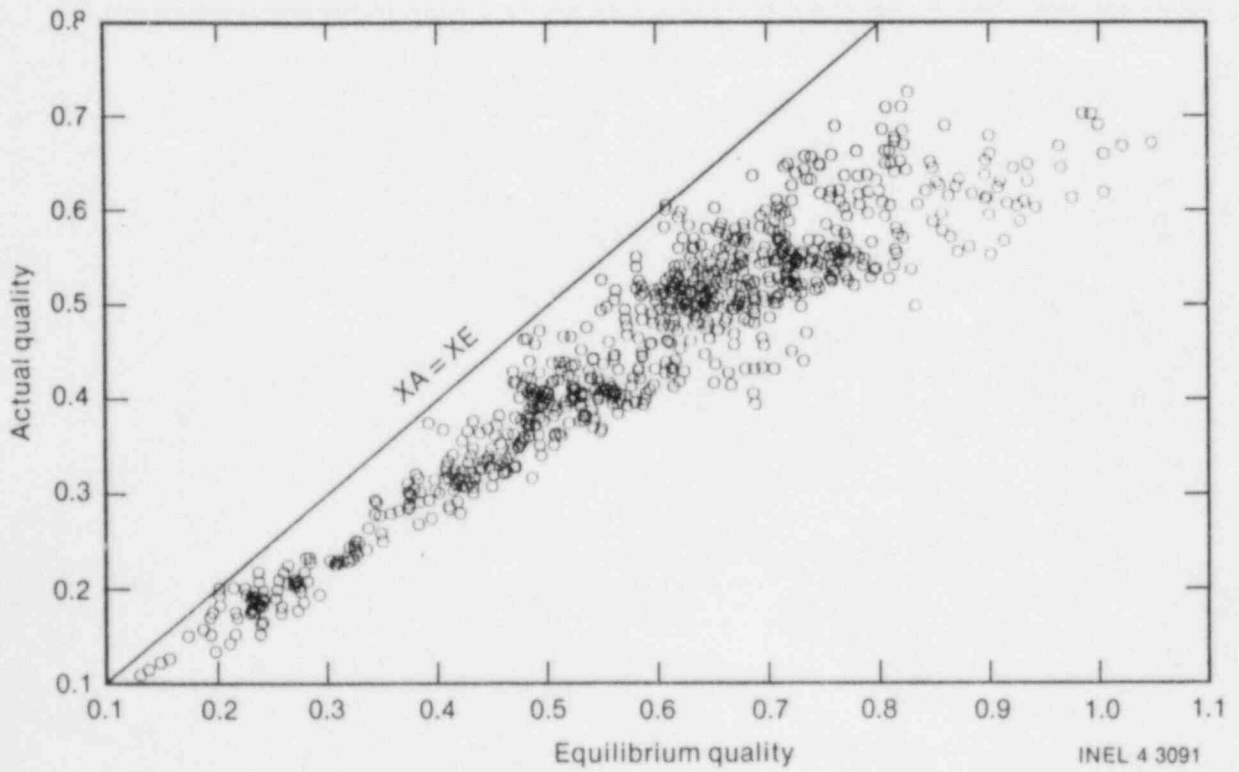


Figure 28. Actual and equilibrium quality ranges of reduced data.

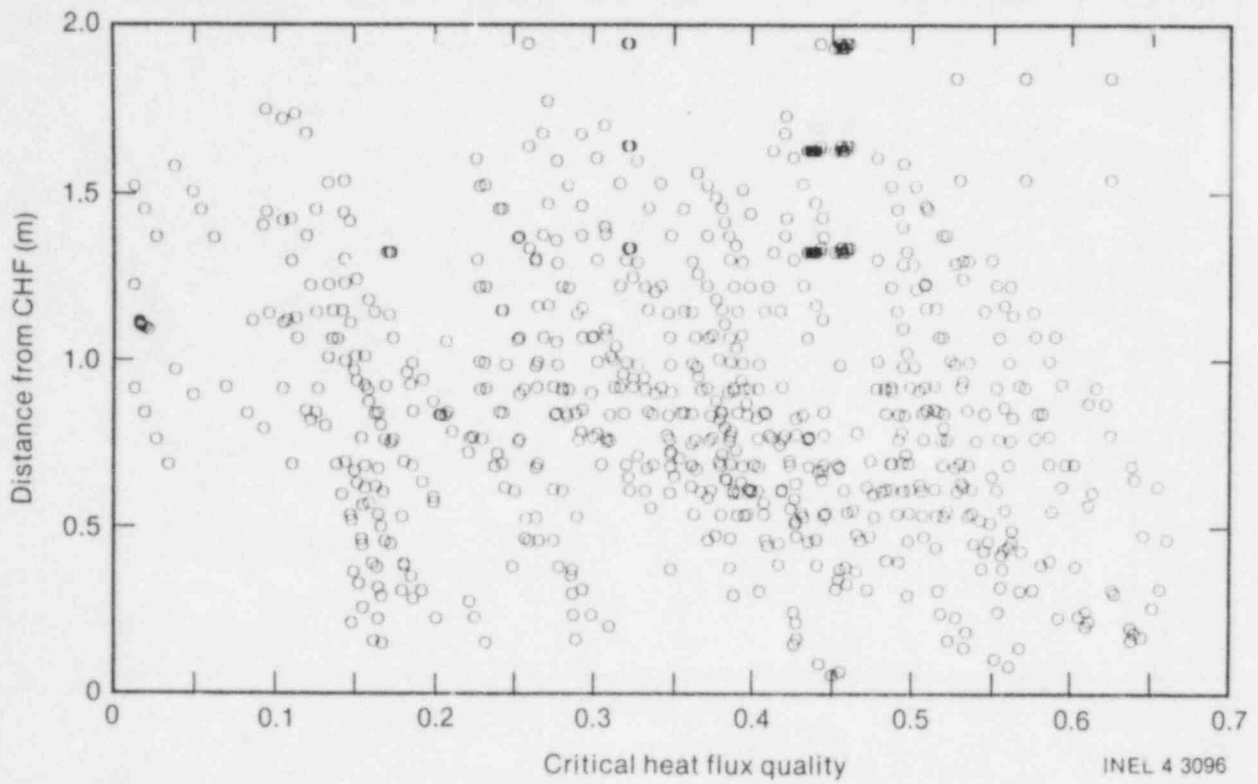


Figure 29. Distance from CHF and CHF quality ranges of reduced data.

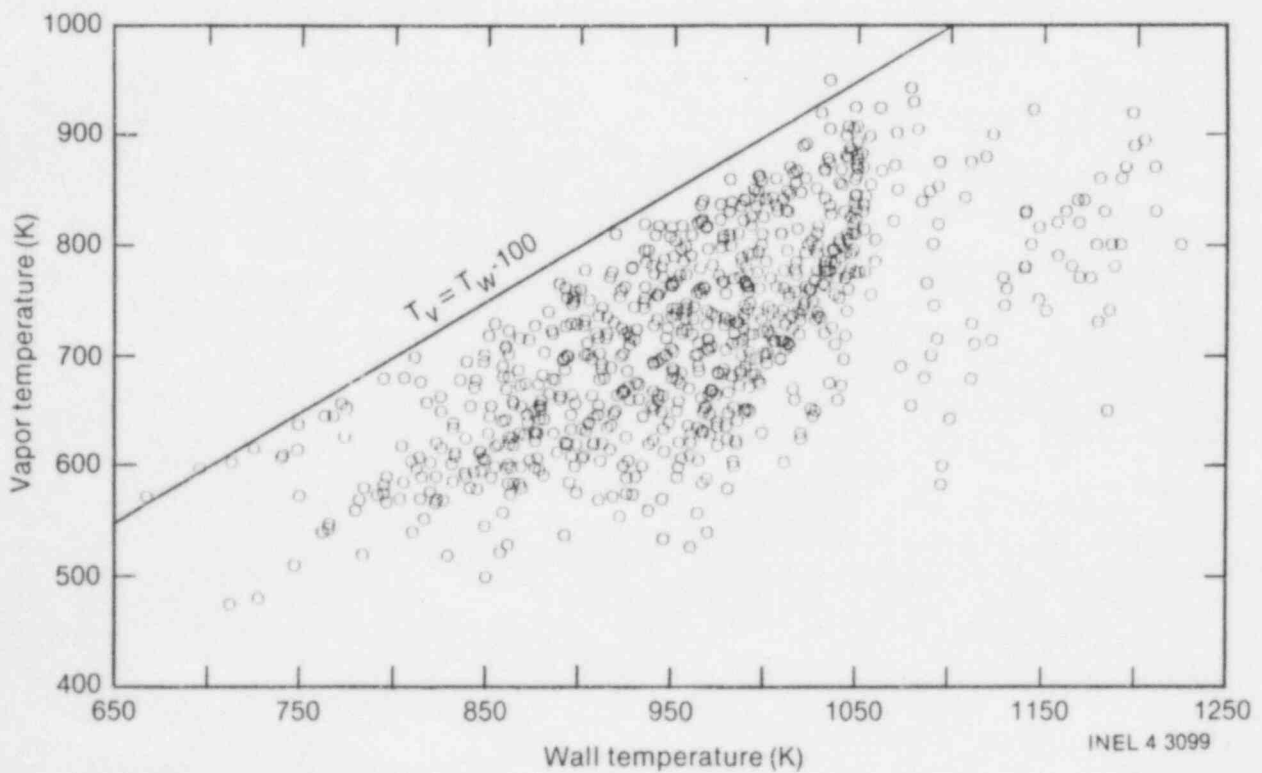


Figure 30. Vapor temperature and wall temperature ranges of reduced data.

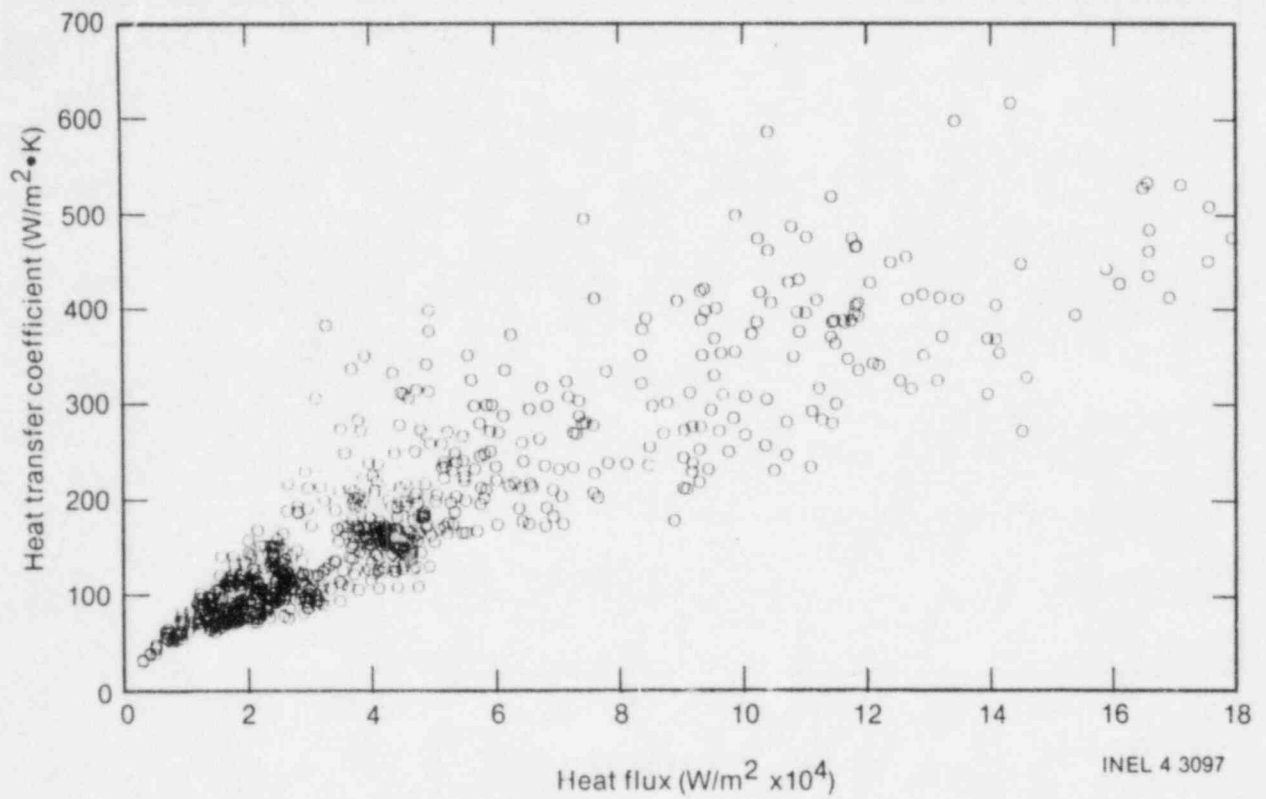


Figure 31. Heat transfer coefficient and heat flux ranges of reduced data.

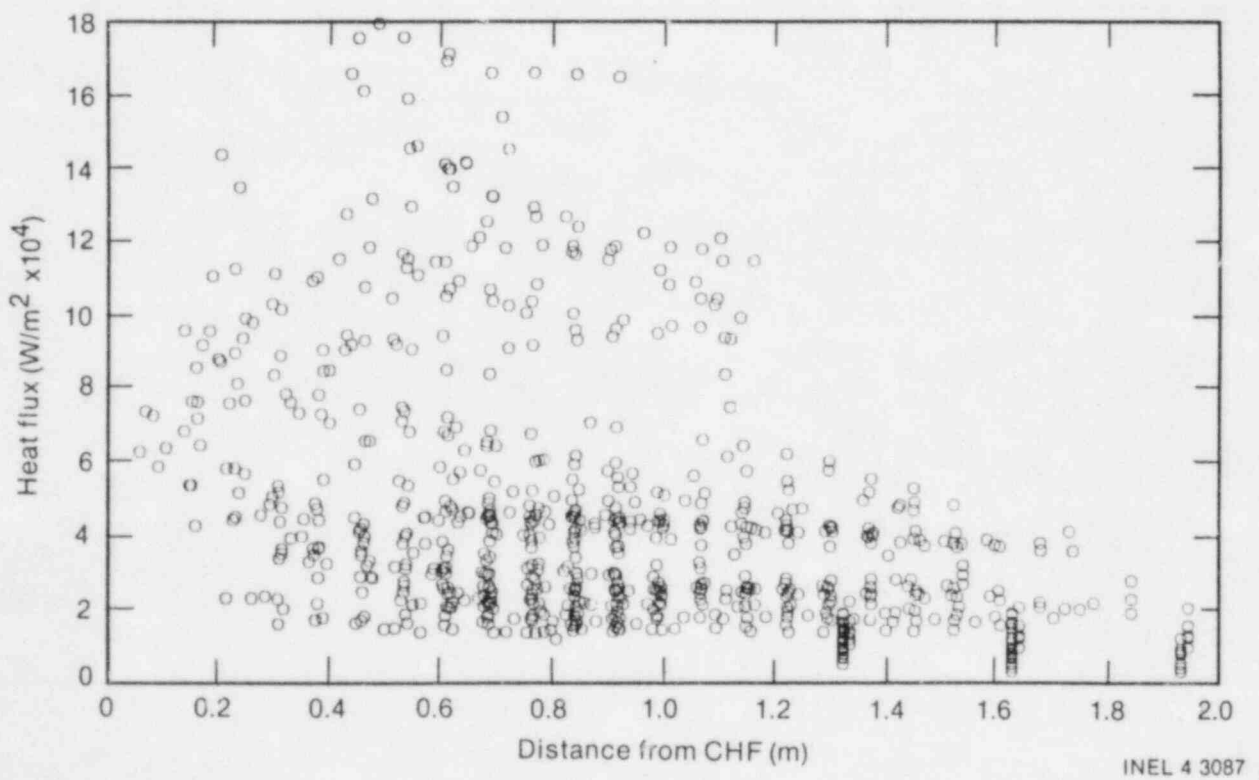


Figure 32. Heat flux versus distance from CHF for reduced data.

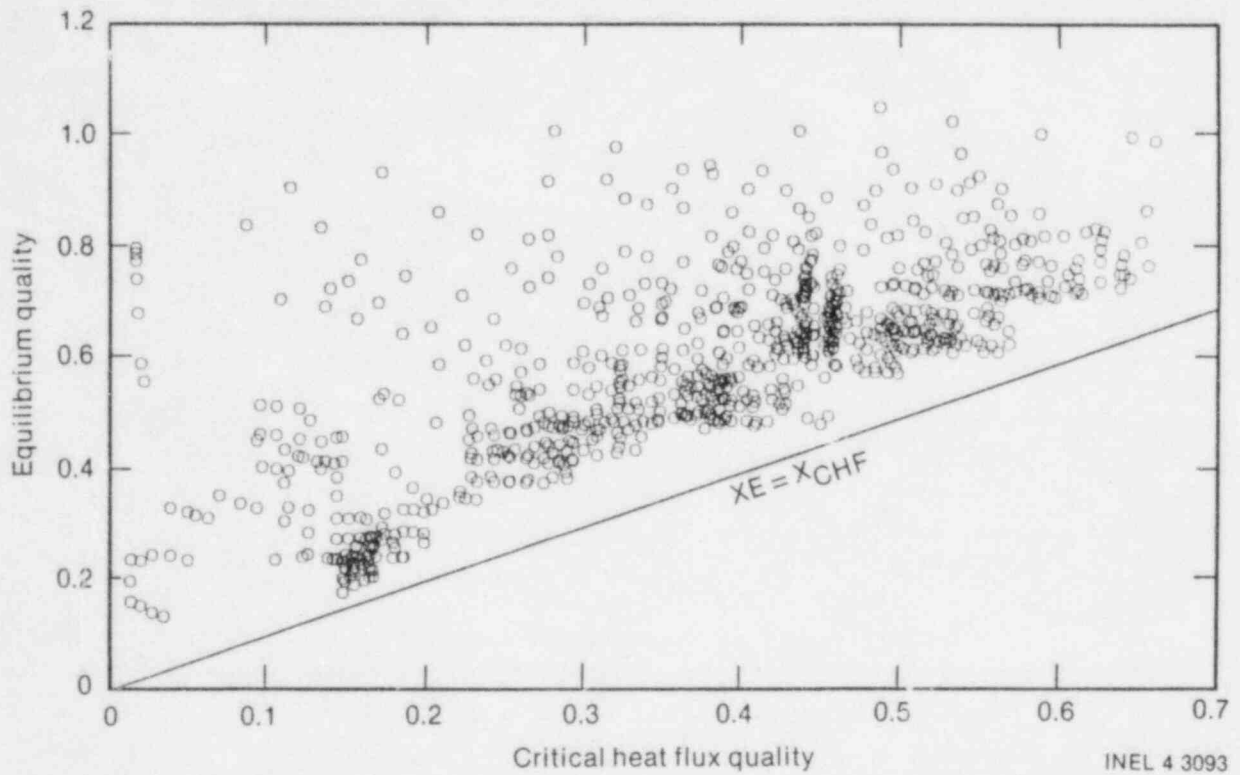


Figure 33. Equilibrium quality versus CHF quality for reduced data.

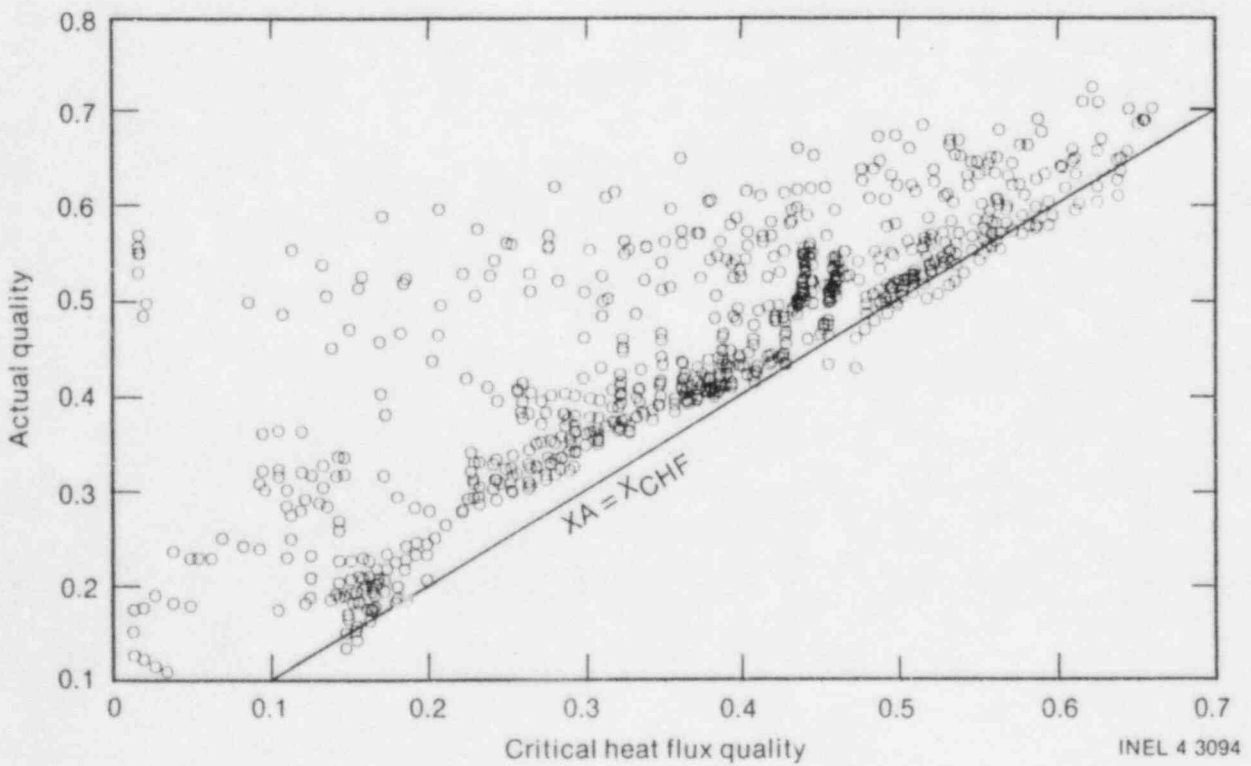


Figure 34. Actual quality versus CHF quality for reduced data.

A plot of the data shown in the equilibrium quality/heat flux plane is shown in Figure 35. No obvious trends exist, such as indicated in Figure 1, due to the influence of the many other variables. For a given experimental run, the equilibrium quality increases as the distance downstream of the quench front increases. The energy added from the wall decreases as the distance downstream of the quench front increases due to the effect of stored energy from the wall. Thus, it can be argued that the heat flux increases as the equilibrium quality decreases for a given experimental run. This trend can be observed in Figure 35 in several strings of the data associated with particular runs. However, this is not the same information as indicated in Figure 1, due to the fact that the wall temperature changes as a function of distance from the quench front. A plot of the data within restricted ranges, in order to produce plots similar to Figure 1, yields results with only limited data for each case, such that direct conclusions cannot be drawn concerning the low-quality effect.

From a thermodynamic nonequilibrium point of view, the quality effect with respect to equilibrium

quality is not meaningful. It was originally suggested⁸ that the actual quality would have a trend similar to the equilibrium quality. Plotting the actual quality and heat flux relationship, with respect to Figure 1-type plots, also yields insufficient data on each plot to draw any conclusions. Current thinking, however, questions the validity of the suggested low-quality effect with respect to the actual quality. The void fraction may be a more representative quantity than quality when the non-equilibrium, nonhomogeneous (unequal velocities between the phases) case is considered. Void fraction should replace the quality, x-axis, in Figure 1. Since

$$\text{void fraction} = \frac{XA}{XA + \frac{e_v}{e_f} S(1 - XA)}, \quad (12)$$

the effects of actual quality (thermal non-equilibrium) and slip combine to yield the void fraction. Due to this coupling of the actual quality and slip to produce the void, the actual quality may or may not exhibit the low-quality effect shown in Figure 1, depending on the slip between the phases.

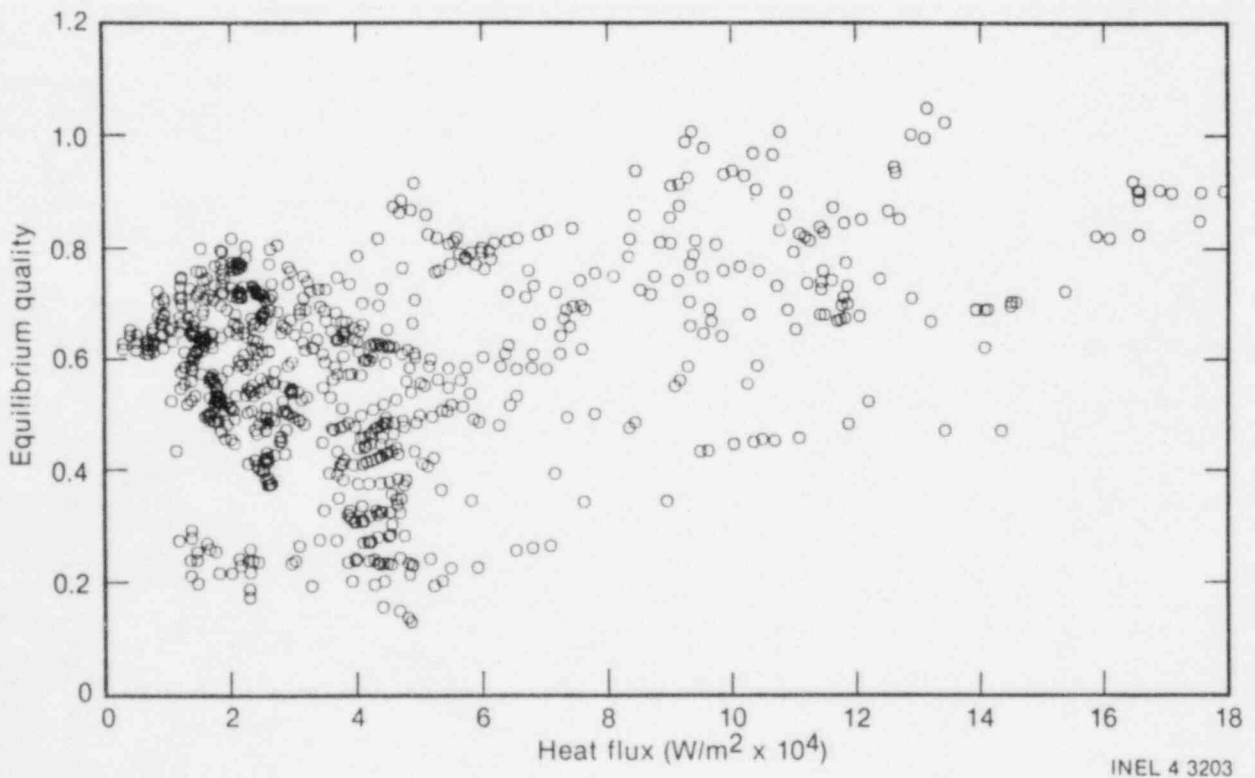


Figure 35. Equilibrium quality versus heat flux for reduced data.

5.4 Statistical Analysis of Wall Heat Transfer Data

A statistical fit of the data was performed using linear regression analysis techniques. It is not intended that the fit of the data provide a new correlation to be applied in the film boiling region, but rather that it provide (a) insight into the data trends from this experiment and (b) a means to determine which parameters are important to the heat transfer process.

The primary tool for this analysis was the STEPWISE linear regression code.³⁷ The STEPWISE regression analysis procedure uses a forward stepwise regression method to analyze a linear regression model having as many as 25 terms, including the intercept and dependent variable.

In the stepwise procedure, intermediate results are used to give valuable statistical information at each step in the calculation. These intermediate answers are also used to control the method of calculation. A number of intermediate regression equations are obtained by adding one variable at a time, thus giving the following intermediate equations:

$$Y = B_0 + B_1 X_1 \quad (13)$$

and

$$Y = B_0 + B_1 X_1 + B_2 X_2, \text{ etc.}$$

The coefficients for each of these intermediate equations and the reliability of each coefficient are obtained by the stepwise procedure. The values and reliability may vary with each subsequent equation. The coefficients represent the best values when the equation is fitted by the specific variables included in the equation. The variable that is added is the one which gives the greatest reduction in variance of the dependent variable.

A variable may be significant at an early stage and enter the regression equation. After several other variables are added to the regression equation, a variable in the equation may become insignificant. Under this situation, the stepwise regression procedure will remove the insignificant variable before adding an additional variable. Thus, at the various steps in the regression procedure, only those variables which are significant will be included in the regression equation.

The terms used in the statistical fit were selected on the basis of the following criteria:

1. Parameters thought to be important to the mechanism involved.
2. Appropriate dimensionless parameters. The variables in the dimensionless parameters may be evaluated at more than one set of conditions.
3. Parameters suggested by their use in other correlations.

On the basis of the above criteria and initial results from the regression analysis, key parameters for the heat transfer coefficient of the phenomena were obtained. These were found to be: (a) the vapor Reynolds number, RE_v , reflecting the influence of vapor flow rate on the process; (b) the vapor Prandtl number, Pr_v , accounting for the physical properties of the superheated vapor; (c) an (X_E/X_A) term, representing nonequilibrium effects [its presence indicates that heat flux is not a true linear function of $(T_{\text{wall}} - T_{\text{vapor}})$]; and (d) the two remaining terms, X_{CHF} and $(1-DZQF/D)$, which represent the influence of the quench front hydraulics and distance from the quench front.

The Reynolds and Prandtl numbers are standard parameters included in many correlations. Nonequilibrium effects have been included by several investigators, indicating their influence on post-CHF heat transfer. Andersen³⁸ included a term for the vapor superheat or the vapor enthalpy for a model of inverted annular flow. Within the data base obtained in this program, it is probable that the inverted annular flow regime existed near the quench front for the higher pressures and lower inlet qualities. Chen, Sundaram, and Chen³⁹ included a nonequilibrium term, A , attributed to an increased sink effect of the liquid drops in dispersed flow. The effects of distance from the quench have also been included by several post-CHF researchers. Andersen's inverted annular film boiling model³⁸ with a laminar vapor film yielded a heat transfer coefficient proportional to $DZQF^{-1/4}$. Similar models, requiring a numerical solution, have been obtained by Chan and Yadigaroglu⁴⁰ and Denham.⁴¹ Chen, Sundaram, and Chen³⁹ also included an entrance region effect in their dispersed flow, post-CHF correlation, which was written in terms of the distance from the quench front, $DZQF$. This entrance region was determined to exist for

length-to-diameter ratios of 100 or less. For the 15.39-mm tube tested here, the entrance region effect for dispersed flow should be considered for $DZQF < 1.539$ m. As shown in Figure 32, this is a significant portion of the data.

The effect of quality at CHF has been shown by Yu and Yadigaroglu⁴² to have an influence on inverted annular flow. They included the effect in the quality rise at the quench front due to its passage and the differences between the subcooled inlet and saturated coolant at the quench front. They also correlated a heat transfer coefficient exponentially decaying with respect to distance from the quench front. No models are known which have included the effects of CHF quality in the dispersed flow regime.

It is important to realize that these quantities [(XE/XA), X_{CHF} , and $(1-DZQF/D)$] represent effects which were found to be significant but which may not be formatted in terms of the physical variables truly influencing the phenomena. For example, distance from the quench front may, in reality, be only the best parameter available to reflect the effects of slip between the phases. However, since slip was not measured, it cannot be included in the analysis.

The correlation obtained for the vapor Nusselt number, Nu, from the regression analysis yielded the results shown in Table 1.

The importance of each term is reflected by the absolute value of the t-value (first column) relative to the others. It is interesting to note that the vapor Reynolds number (RE_v) correlates with an exponent of approximately 0.8, as it should. To simplify the correlation, the exponents of RE_v and Pr_v were then set to 0.8 and 1.0, respectively, and a final statistical fit was made. The t-values obtained from the final fit are listed in the right-hand column of Table 1.

The final statistical fit of the 766 data points is

$$h = \frac{0.073454 RE_v^{0.8} Pr_v (XE/XA)^{2.6314} k_v}{X_{CHF}^{0.28459} \left(1.0 + \frac{DZQF}{D}\right)^{0.44031} D} \quad (14)$$

The heat transfer coefficient is defined as $h = q_{total}/(T_{wall} - T_{vapor})$. The tube diameter would not be shown to be statistically important, because all the data were taken with the same tube. It was used to maintain nondimensionality in the correlating parameters. As can be seen in Table 1, the t-values (right-hand column) for the remaining quantities, once RE_v and Pr_v are fixed, change little.

Figure 36 shows a plot of measured heat flux versus predicted heat flux using the above regression

Table 1. Parameters for nonequilibrium wall heat transfer correlation

Term	Exponent	't' Value	Exponent ^a	't' Value ^b
RE_v	0.80272	41.8	0.8	—
Pr_v	1.0487	6.6	1.0	—
XE/XA	2.6557	21.8	2.6314	24.9
X_{CHF}	-0.28479	-19.0 ^a	-0.28459	-19.8 ^a
$1 + DZQF/D$	-0.43605	-19.9 ^a	-0.44031	-25.3 ^a

a. Negative t-values accompany negative exponents.

b. Obtained by fixing exponents for RE_v to 0.8 and Pr_v to 1.0.

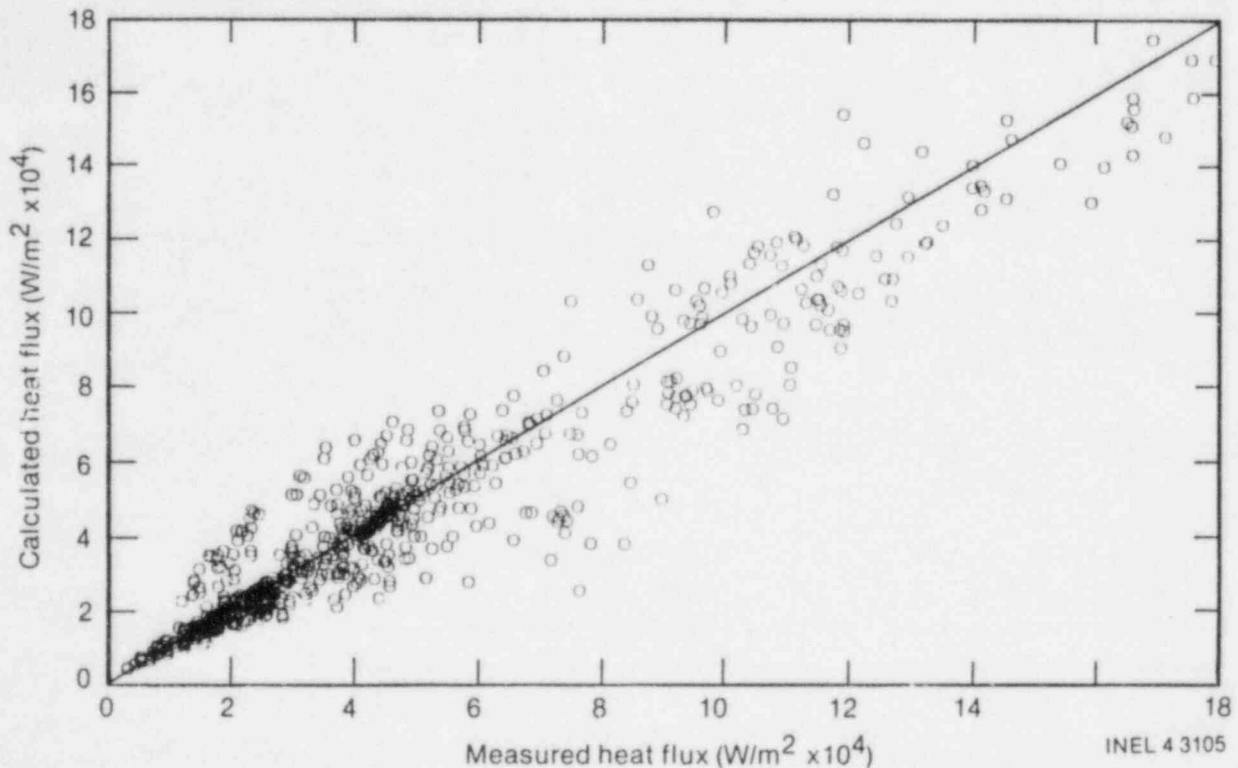


Figure 36. Calculated versus measured heat flux for statistical data fit.

fit, where the calculated heat flux is defined as $h(T_{\text{wall}} - T_{\text{vapor}})$. The regression fit has a standard deviation of about 24% with respect to the data used for its development. Figures 37 through 44 show residuals $[(q_{\text{meas}} - q_{\text{calc}}) / q_{\text{meas}}]$, for several parameters, some of which were included in the regression analysis and some of which were not. No parametric trends were observed, indicating a good representation of the data using the key parameters which have been discussed.

As noted earlier, it is not intended that the results of this regression analysis provide a new film boiling correlation, even though a 24% standard deviation does indicate a respectable result. The problem is that such a statistically based correlation cannot be used with any confidence outside its data base. It is also questionable whether a single mechanism is controlling the entire data base, as a single correlation implies. This is particularly true of the high-pressure, low-quality data compared to the low-pressure, high-quality data. Also, the vapor Reynolds number spans the range of 2000 to 25,000, indicating that both laminar and turbulent data exist in the data base. Therefore, the modeling of a data base this broad may require the use of an additive-type correlation, such as developed by Chen-Sundaram-Chen³⁹ to incorporate several mechanisms.

5.5 Data Comparison With Existing Wall Heat Transfer Correlations

This section presents comparisons of the final data base with six correlations and a correlation package which are currently in use throughout the nuclear safety industry. The correlations are given in Table 2. The heat transfer package is that used in TRAC-PD2/MOD1,⁴³ which is summarized in Appendix L.

Three of the correlations used in the data comparisons were developed and are commonly applied, assuming saturation conditions for both the liquid and the vapor. The comparisons for these correlations—which include the Dougall-Rohsenow, the Groeneveld 5.7, and the Condie-Bengston IV correlations—were made on the basis of heat flux, with the calculated flux defined as $h(T_{\text{wall}} - T_{\text{sat}})$.

The Dougall-Rohsenow correlation, when applied in this manner, produced the best overall fit of the data of all the correlations, as shown in Figure 45.

The Groeneveld 5.7 and the Condie-Bengston IV are both statistically based correlations and were

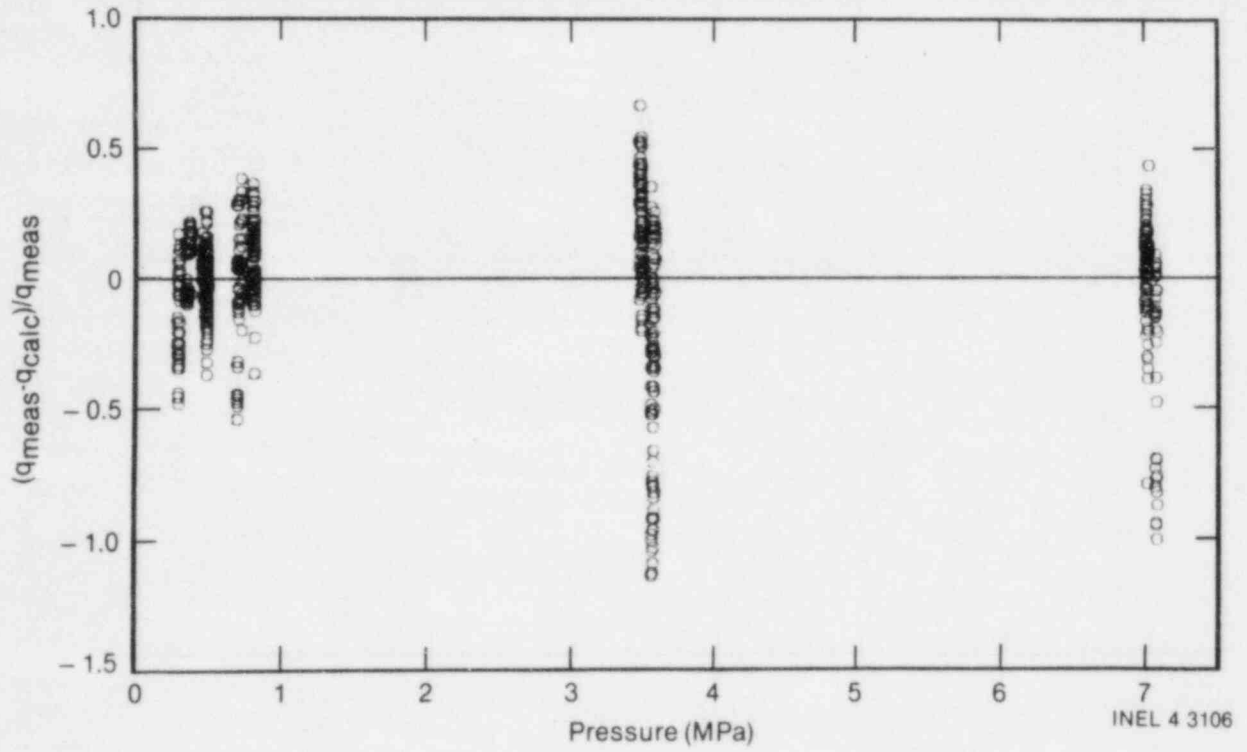


Figure 37. Pressure residual for statistical data fit.

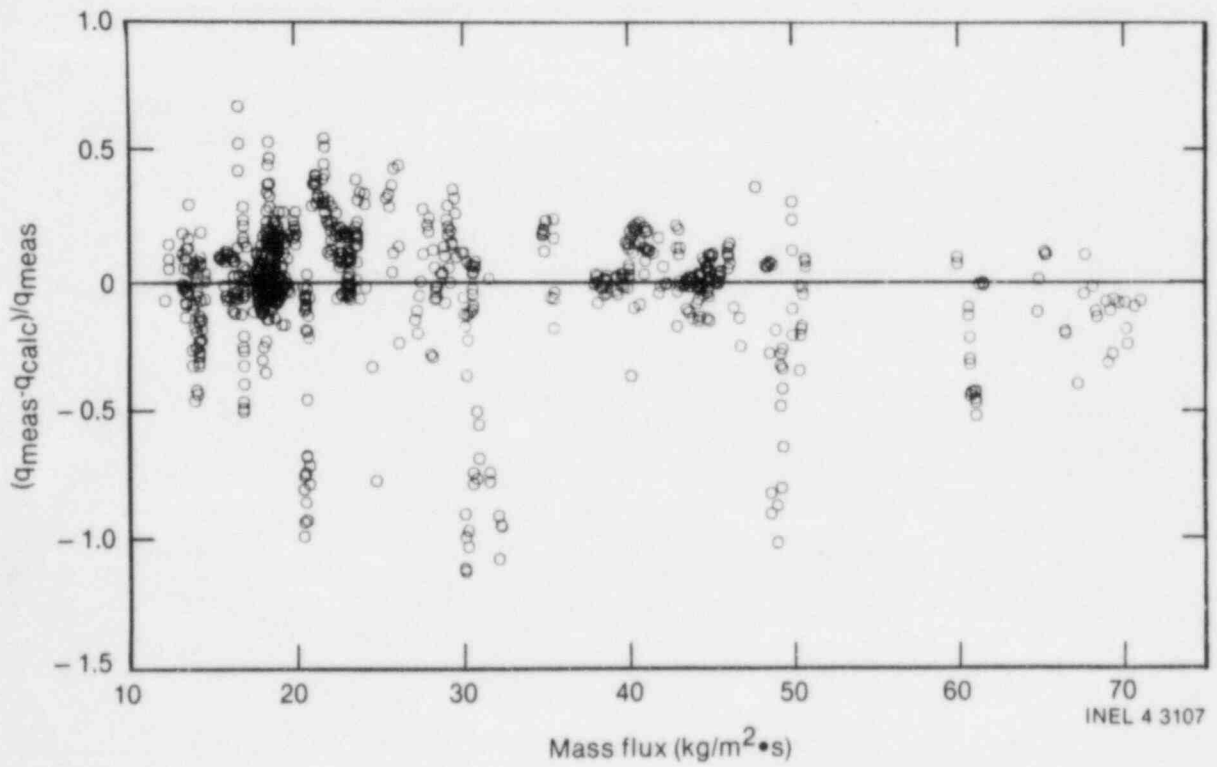


Figure 38. Mass flux residual for statistical data fit.

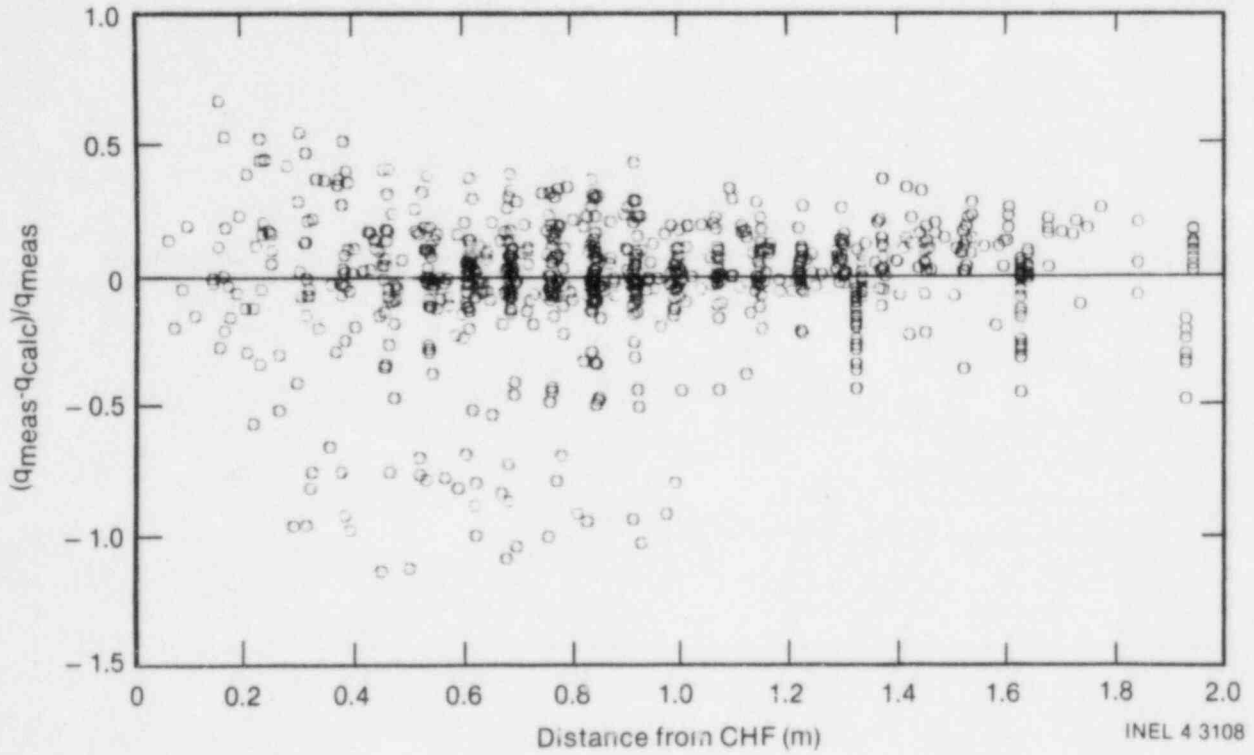


Figure 39. Distance from CHF residual for statistical data fit.

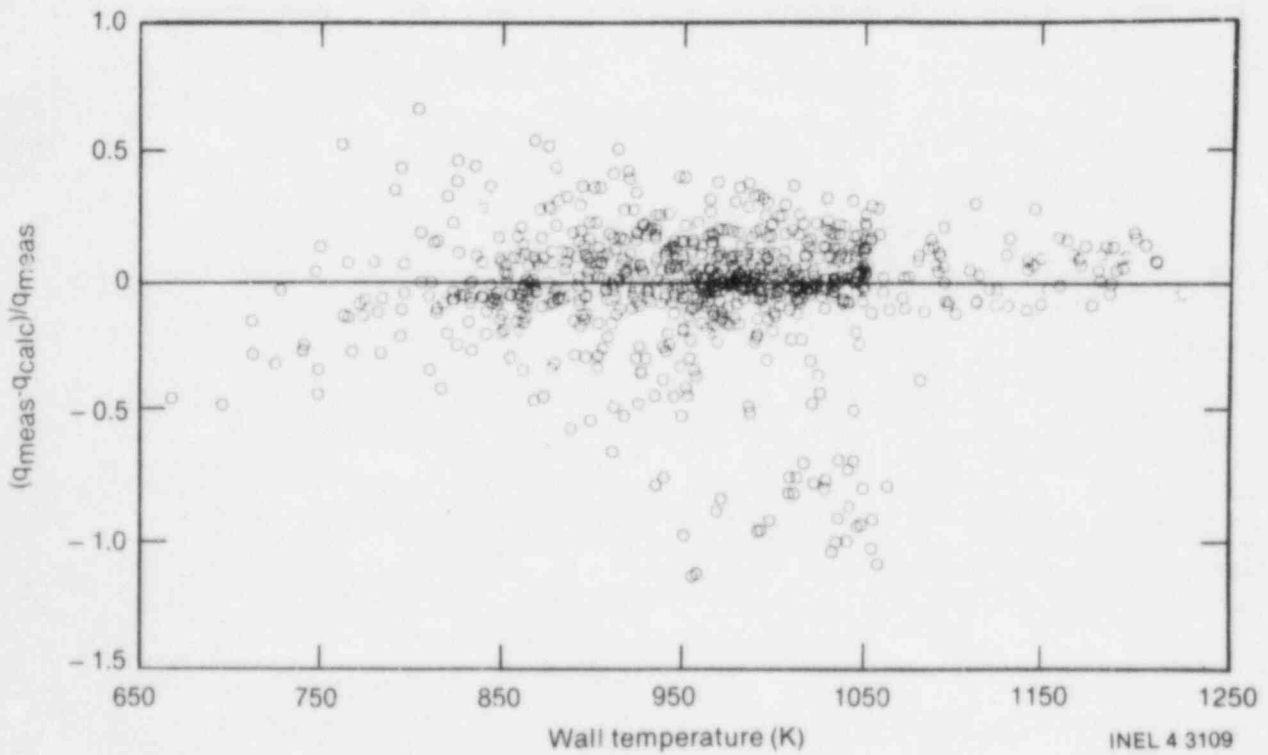


Figure 40. Wall temperature residual for statistical data fit.

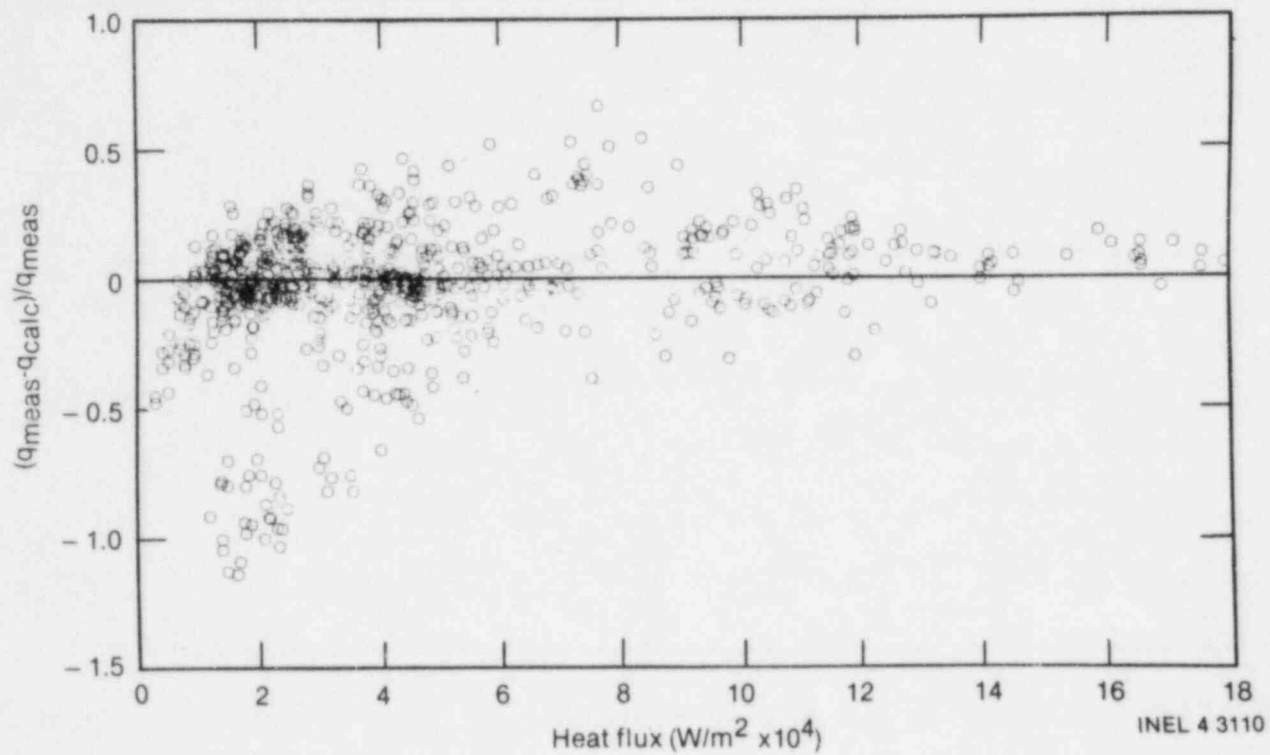


Figure 41. Heat flux residual for statistical data fit.

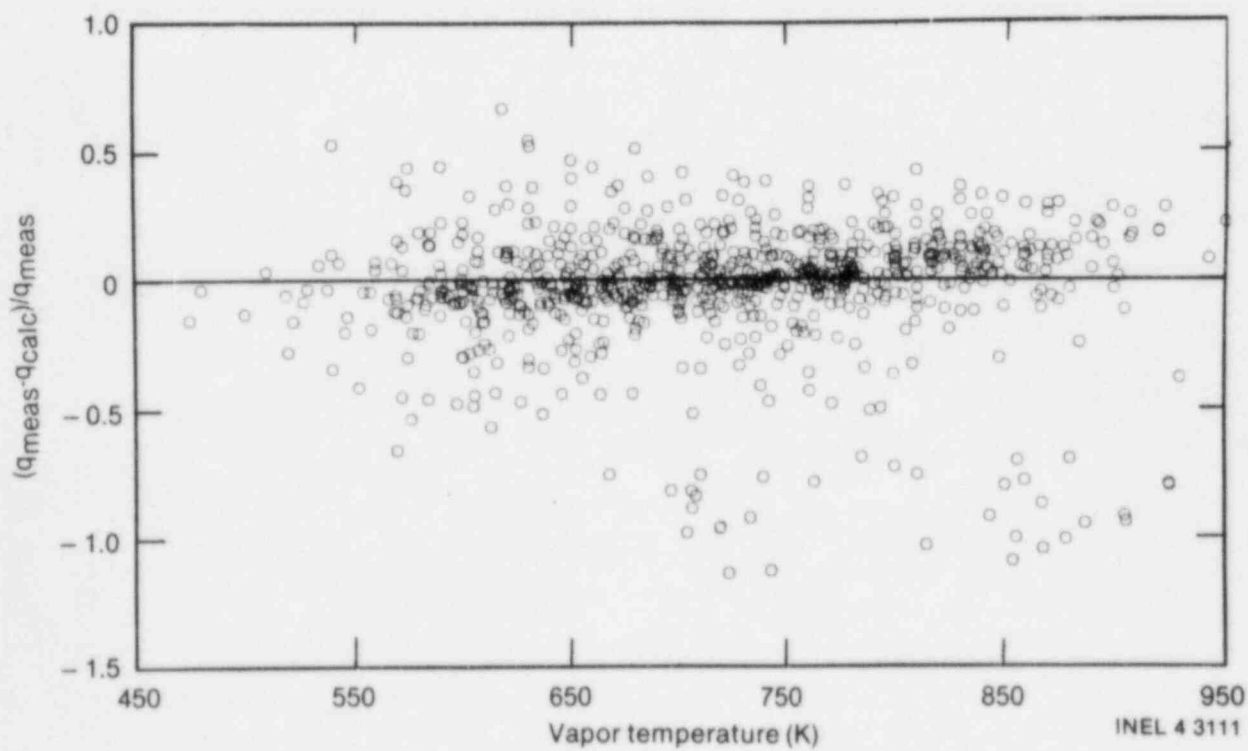


Figure 42. Vapor temperature residual for statistical data fit.

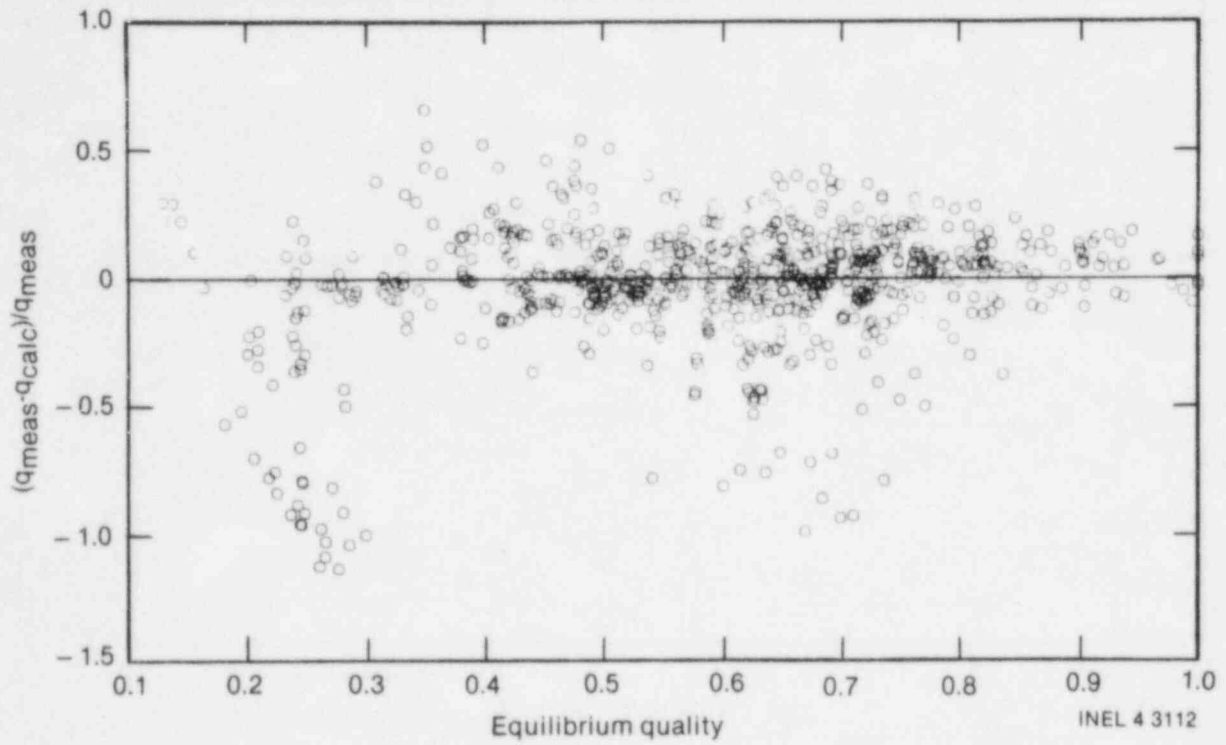


Figure 43. Equilibrium quality residual for statistical data fit.

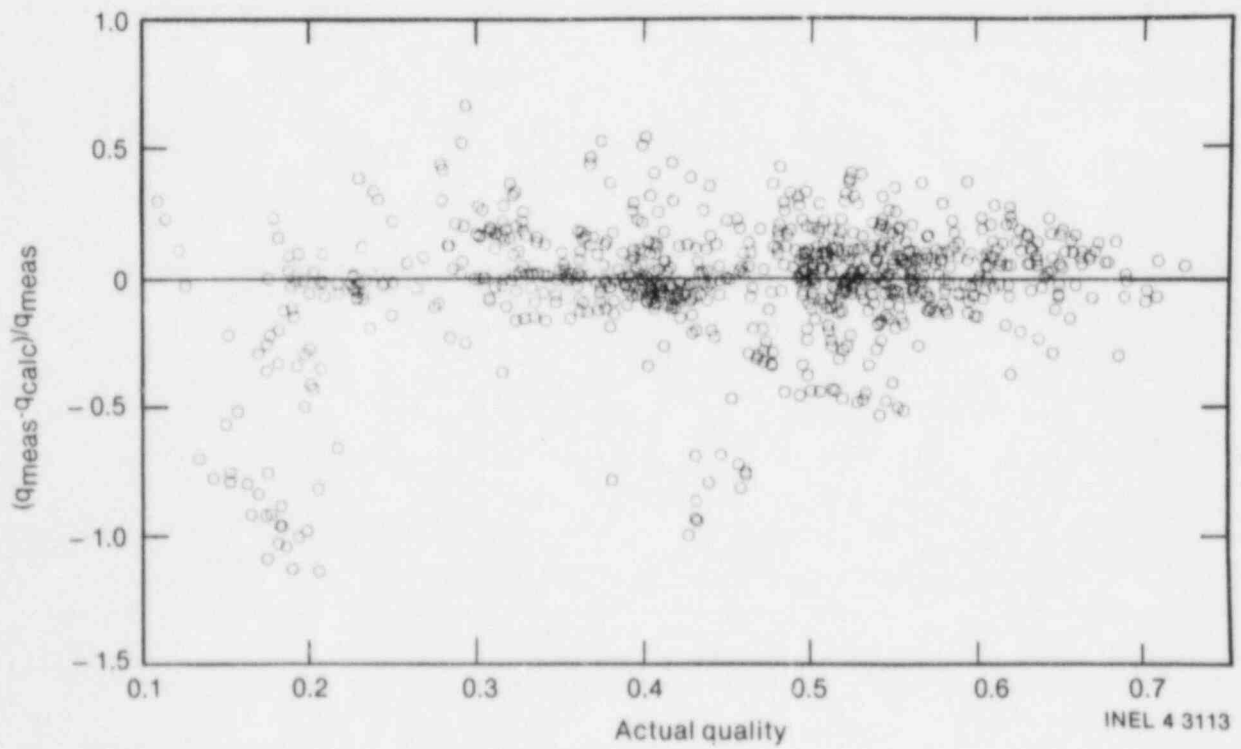


Figure 44. Actual quality residual for statistical data fit.

Table 2. Heat transfer correlations

- (1) Dittus-Boelter⁴⁴

$$h = 0.023 \frac{k}{D} RE_v^{0.8} Pr_v^{0.4}$$

The heat flux q is defined as

$$q = h(T_{\text{wall}} - T_{\text{vapor}})$$

- (2) Chen-Sundaram-Ozkaynak³⁶

$$h = 0.5 F G_v C_{vf} Pr_{vf}^{-2/3}$$

where

$$F = 0.037 RE^{(-0.17)}$$

$$RE = \frac{D \rho_v V_{ft}}{\mu_v}$$

$$V_{ft} = (G XA / \rho_v) + [G(1 - XA) / \rho_f]$$

$$C_{vf} = \text{specific heat evaluated at } \frac{T_{\text{wall}} + T_{\text{vapor}}}{2}$$

$$Pr_{vf} = \text{Prandtl number evaluated at } \frac{T_{\text{wall}} + T_{\text{vapor}}}{2}$$

The heat flux is defined as

$$q = h(T_{\text{wall}} - T_{\text{vapor}})$$

- (3) Dougall-Rohsenow (saturated vapor)⁴⁵

$$h = 0.023 \frac{k_g}{D} \left\{ RE_g \left[XE + \frac{\rho_g}{\rho_f} (1 - XE) \right] \right\}^{0.8} Pr_g^{0.4}$$

The heat flux is defined as

$$q = h(T_{\text{wall}} - T_{\text{sat}})$$

- (4) Dougall-Rohsenow (evaluated using superheated vapor temperature)

$$h = 0.023 \frac{k_v}{D} \left\{ RE_v \left[XA + \frac{\rho_v}{\rho_f} (1 - XA) \right] \right\}^{0.8} Pr_v^{0.4}$$

Table 2. (continued)

All terms are the same as (3), but evaluated at the superheated vapor conditions.

The heat flux is defined as

$$q = h(T_{\text{wall}} - T_{\text{vapor}}).$$

(5) Groeneveld 5.7⁵

$$h = 0.0520 \frac{k_g}{D} \left\{ RE_g \left[XE + \frac{e_g}{e_f} (1 - XE) \right] \right\}^{0.688} Pr^{1.26} Y^{(-1.06)}$$

where

$$Y = 1.0 - 0.1 \left(\frac{e_g}{e_f} - 1.0 \right)^{0.4} (1 - XE)^{0.4}$$

The heat flux is defined as

$$q = h(T_w - T_{\text{sat}}).$$

(6) Condie-Bengston IV⁴⁶

$$h = \frac{0.05345 k_g^{0.4593} Pr_w^{2.2598} RE_g [0.6249 + 0.2043 \ln (XE + 1)]}{D^{0.8095} (XE + 1)^{2.0514}}$$

where

$$Pr_w = \text{Prandtl number evaluated at wall temperature.}$$

The heat flux is defined as

$$q = h(T_{\text{wall}} - T_{\text{sat}}).$$

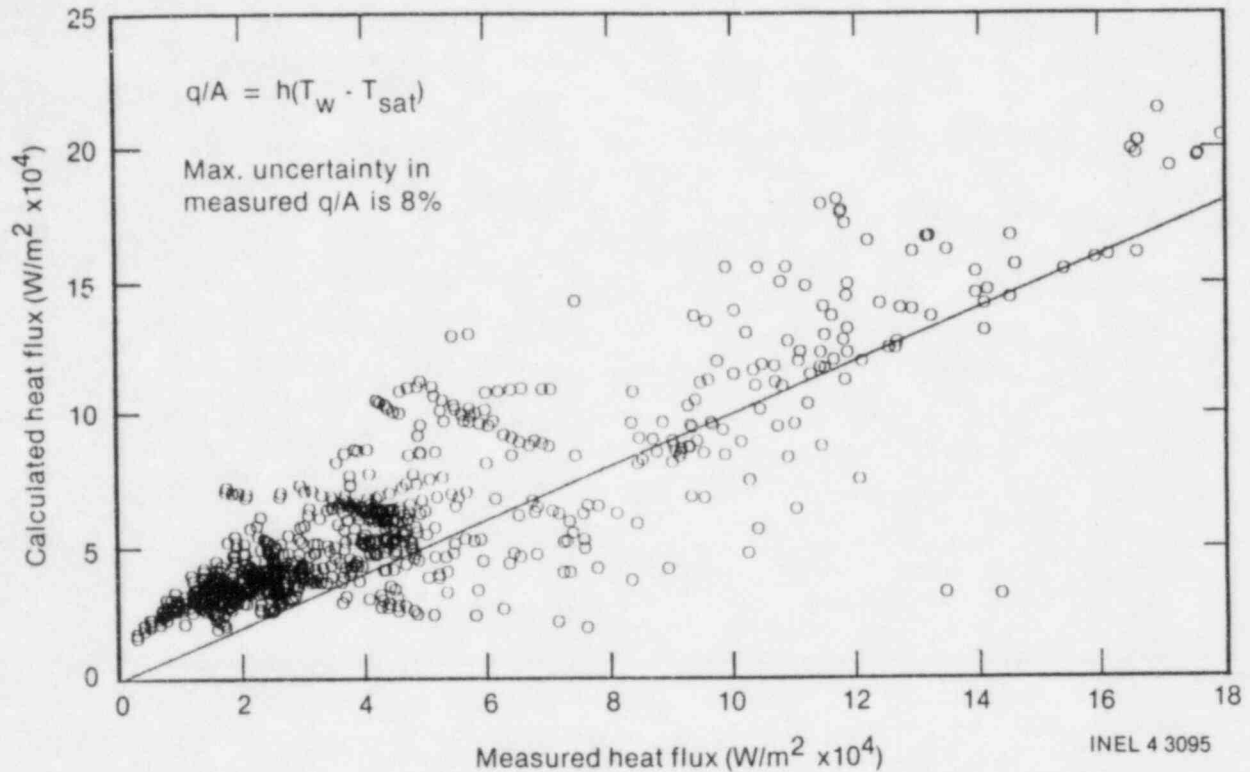


Figure 45. Calculated versus measured heat flux for Dougall-Rohsenow saturated correlation.

developed from similar data sets. As a result, the two correlations are similar. The Groeneveld 5.7 correlation generally overpredicts the data, whereas the Condie-Bengston IV correlation falls somewhere in the middle. The scatter is very large for both correlations, as shown in Figures 46 and 47.

The Dittus-Boelter and Dougall-Rohsenow correlations were developed without consideration of nonequilibrium effects. They have since been applied in nonequilibrium situations by evaluating the properties at the superheated conditions and using a temperature potential of $(T_{\text{wall}} - T_{\text{vapor}})$. Comparisons of the nonequilibrium correlations were made on the basis of heat transfer coefficient. Comparison to the data shows similar results for both correlations, which underpredict most of the data, as shown in Figures 48 and 49, with the Dougall-Rohsenow correlation calculating somewhat smaller heat transfer coefficients than the Dittus-Boelter Correlation.

The Chun-Sandaram-Ozkaynak (CSO) correlation was developed as a mechanistic, non-equilibrium correlation, using mostly tube film boiling data in which the vapor temperatures were inferred. Figure 50 shows the calculated heat

transfer coefficient as the measured value. The response is very similar to the Dittus-Boelter and Dougall-Rohsenow correlations in that it underpredicts the majority of the data.

The TRAC heat transfer package is made up of several correlations representing individual heat transfer mechanisms. The package calculates the heat transfer from the wall to the liquid and from the wall to the vapor and then sums to define the total. The comparison shown in Figure 51 is based on heat transfer coefficient, where the calculated heat transfer coefficient is defined as $h = (q_{\text{liquid}} + q_{\text{vapor}})/(T_{\text{wall}} - T_{\text{vapor}})$. The correlation package significantly overpredicts all of the data, except for two points. As noted in the description of the package in Appendix L, the vapor heat transfer is taken as the maximum of the Bromley, Dougall-Rohsenow, and natural circulation correlations. For the range of these data, the Bromley correlation is the maximum in each case and dominates the calculated heat transfer.

During the reduction of the data, no attempt was made to separate the wall heat flux into radiation and convection components, because the radiation was assumed small relative to the convection. For

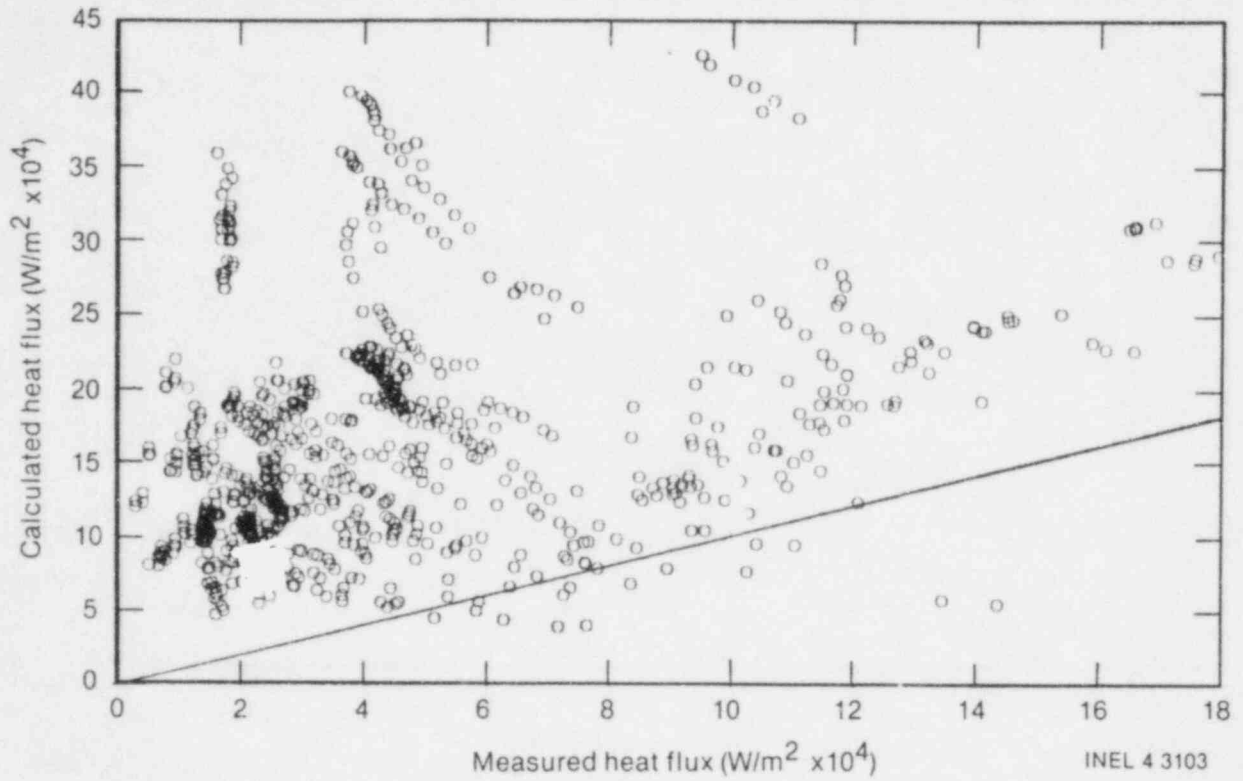


Figure 46. Calculated versus measured heat flux for Groenevelt 5.7 correlation.

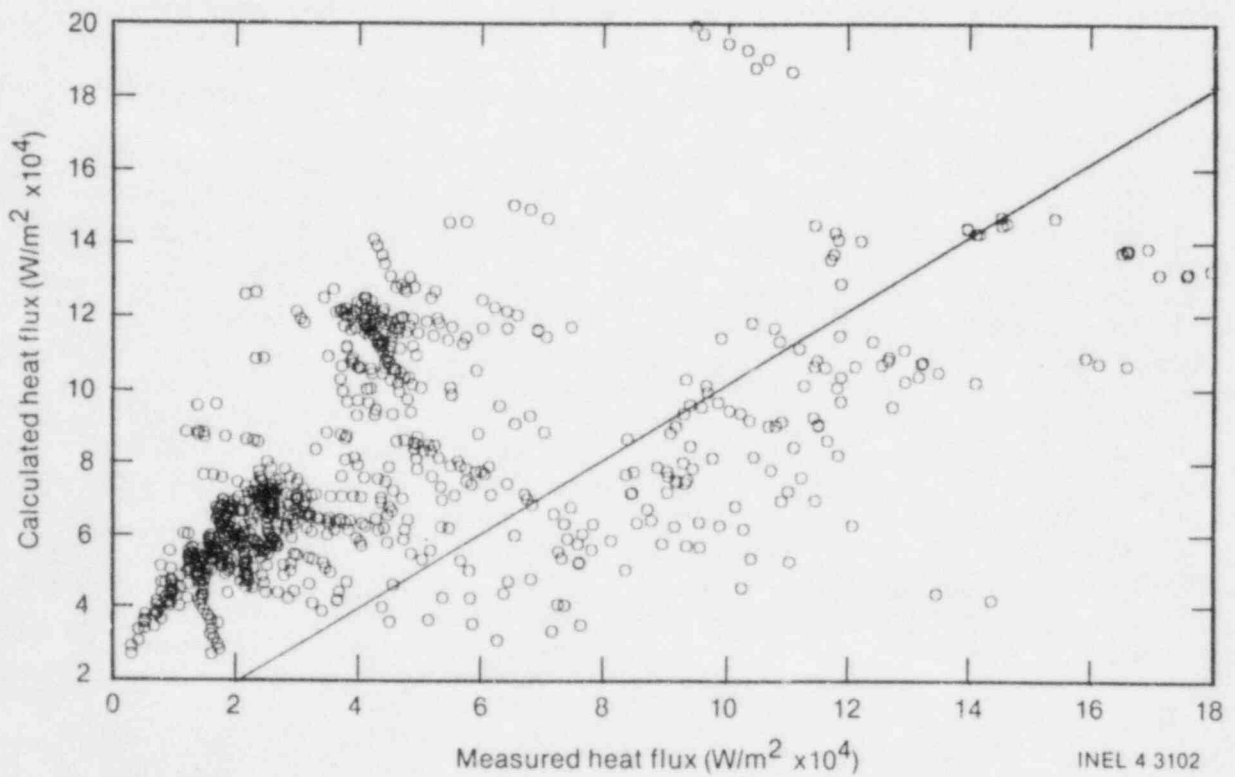


Figure 47. Calculated versus measured heat flux for Condie-Bengston IV correlation.

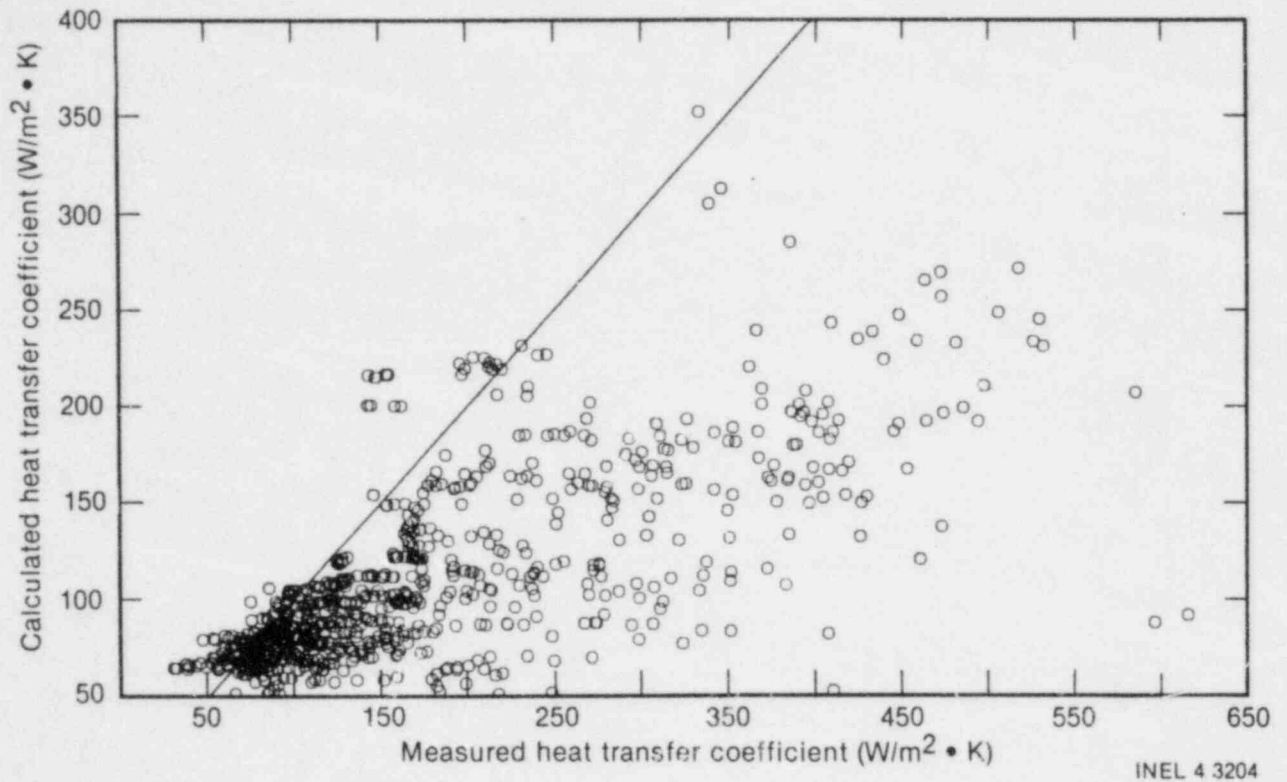


Figure 48. Calculated versus measured heat transfer coefficient for Dittus-Boelter correlation using superheated properties.

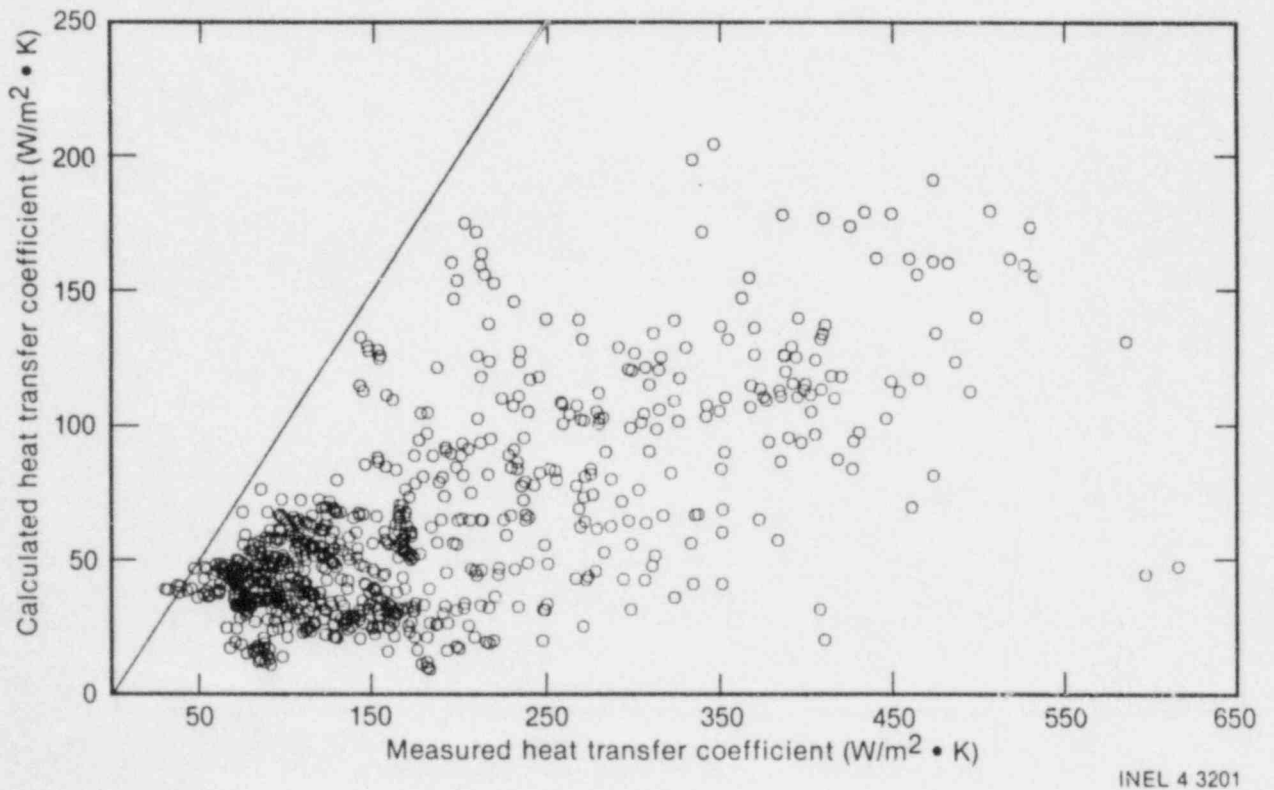


Figure 49. Calculated versus measured heat transfer coefficient for Dougall-Rohsenow correlation using superheated properties.

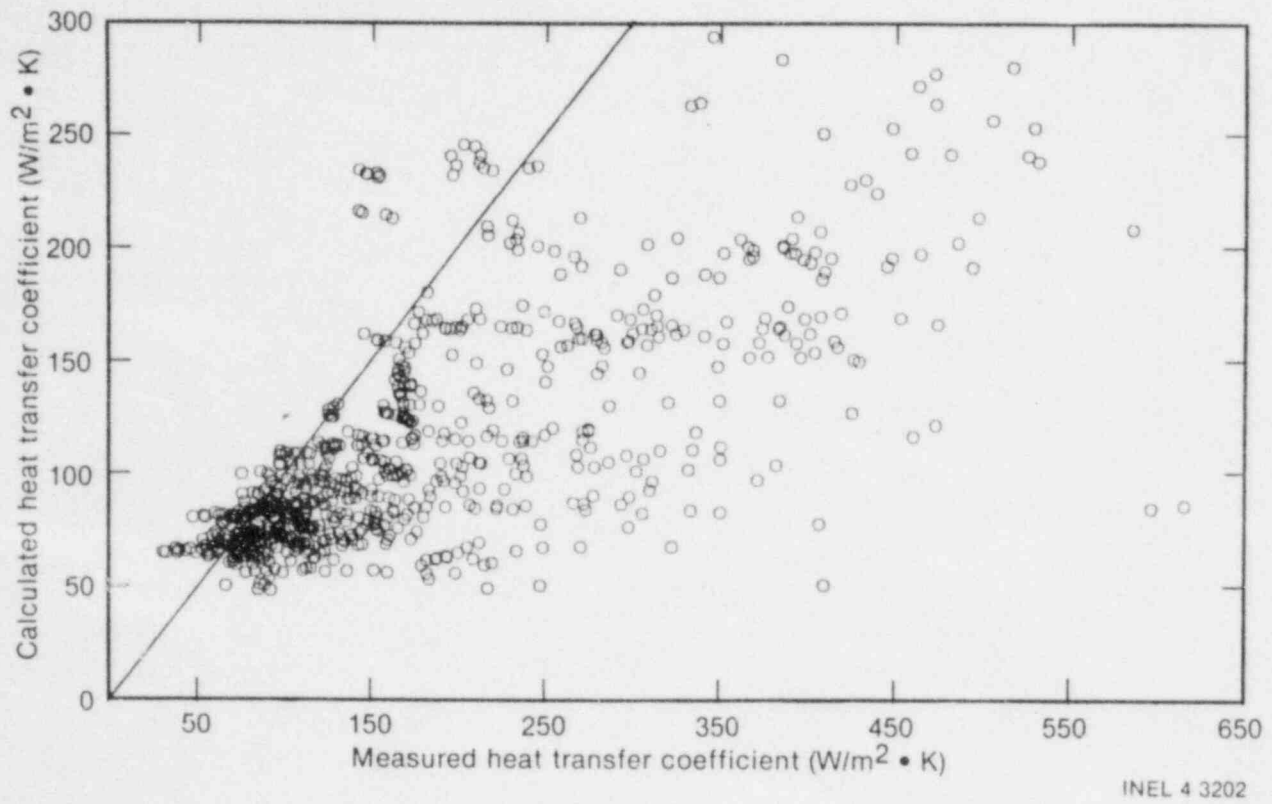


Figure 50. Calculated versus measured heat transfer coefficient for CSO correlation.

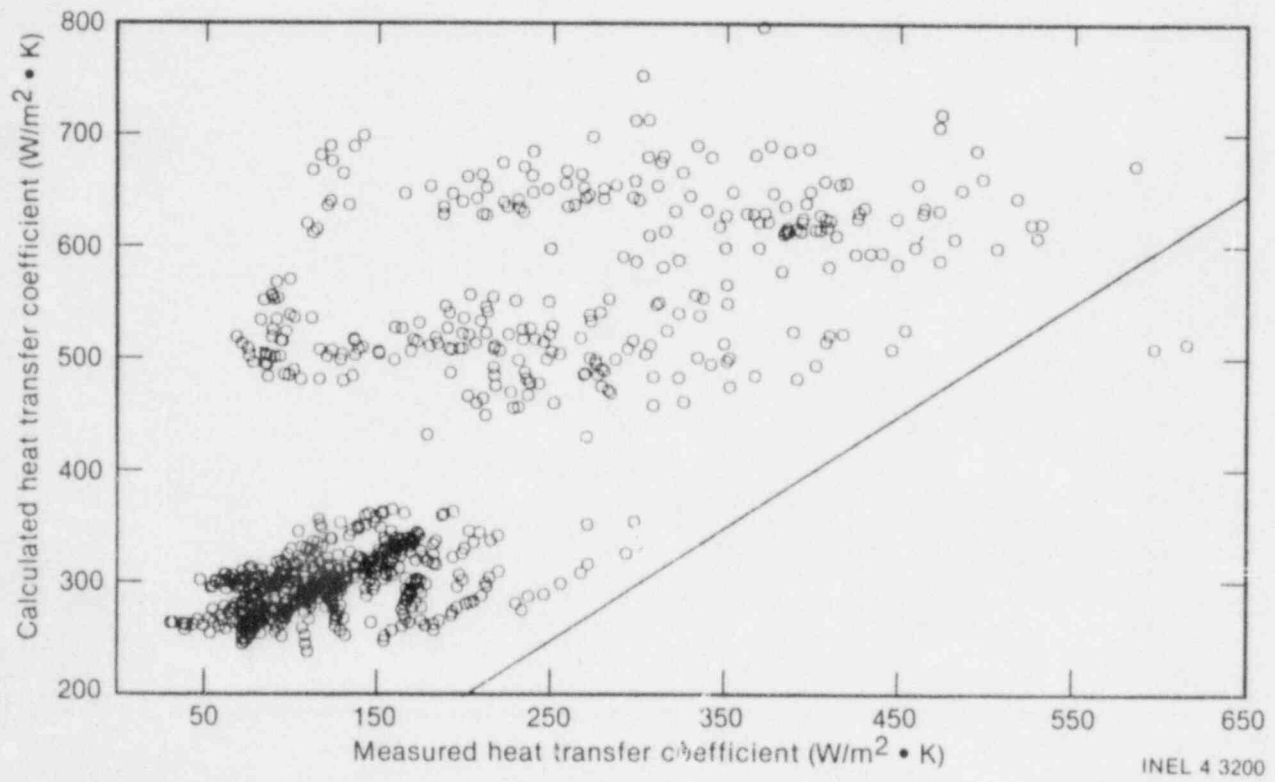


Figure 51. Calculated versus measured heat transfer coefficient for TRAC heat transfer package.

the same reason, no special attempt was made to include a radiation term in the correlations. The TRAC heat transfer package includes a radiation term in the liquid heat transfer, but it was negligible for these data ranges. The Groeneveld 5.7 and the Condie-Bengston IV correlations are statistical fits of data which were also reduced without separating the radiation term. Consequently, the radiation effects are inherent in the correlations.

Residual plots for each of the correlations were made as functions of pressure, mass flux, distance from CHF, wall temperature, heat flux, vapor temperature, and equilibrium and actual quality. The residual plots provide visual examination of the trends of the correlations with respect to the individual parameters. These plots are contained in Appendix M. A discussion of each parameter, with respect to the correlations in general, is presented next. As a general rule, parameter trends exhibited in one correlation were observed in several or all of the others.

5.5.1 Pressure. There is a definite trend in each correlation at pressures below about 1.0 MPa. If the correlation generally underpredicts the data, it underpredicts less at these low pressures. If the correlation overpredicts the data, in general it overpredicts more at the low pressures. The trend is most pronounced in the Groeneveld 5.7 correlation and least obvious in the TRAC package.

5.5.2 Mass Flux. There is a general trend in all of the correlations to overpredict the heat flux at the lower mass flow rates. In the Condie-Bengston IV and the TRAC correlations, the trend is observed over the full range of mass flows; whereas, for the rest of the correlations, the trend is limited to mass fluxes below $20 \text{ kg/m}^2 \cdot \text{s}$.

The trends in pressure and mass flux are very similar. However, there appears to be sufficient data over both the pressure and mass flux ranges to conclude that these trends are independent.

5.5.3 Distance from CHF. Except for the TRAC correlation package, there is an observable trend to overpredict the data as the distance from CHF increases. The trend is general in the Dittus-Boelter, Dougall-Rohsenow, and CSO correlations, and more severe in the Condie-Bengston and Groeneveld correlations. None of the correlations include terms to correlate the distance effect.

5.5.4 Wall Temperature. There is a general trend in all the correlations to overpredict the heat flux at the lower wall temperatures. As the temperature increases, the correlations overpredict less or begin to underpredict the heat flux. At wall temperatures above approximately 1050 K, there is a noticeable decrease in the data scatter; and the above-described trend is no longer evident. There does not appear to be a data void in any of the other parameters which could be associated with this change at 1050 K.

5.5.5 Heat Flux. There is a trend associated with heat flux that is very similar to that described earlier for pressure, i.e., overprediction at low values. There is a heavy concentration of data with heat fluxes below $6 \times 10^4 \text{ W/m}^2$ which also have pressures below 1.0 MPa; consequently, it is impossible to determine whether this trend is actually associated with heat flux.

5.5.6 Vapor Temperature. None of the correlations appears to have a significant trend with respect to vapor temperature. There is, however, a definite increase in the data scatter as the vapor temperature decreases.

5.5.7 Quality. Residual plots were made for both equilibrium and actual quality, but the exhibited trends were basically the same for both, except that the trends were shifted to a lower value for the actual quality. The most obvious trend is for all the correlations to overpredict the data for equilibrium qualities of about 0.6. Some of the correlations show this trend more than others and some over a slightly wider quality range. The Condie-Bengston IV and TRAC correlation packages also overpredict the data at equilibrium qualities of about 0.25.

The residual plots also show the trend of underprediction of the heat flux at the lower equilibrium qualities, as would be suggested by Figure 1. As noted earlier, from a nonequilibrium nonhomogeneous standpoint, the trend with respect to quality has limited meaning.

5.6 Vapor Generation Rate Correlations and Comparisons

The vapor generation rate has two bounding cases. The thermodynamic equilibrium model implies that the vapor temperature is always equal

to the saturation temperature. No vapor superheating occurs, and all of the energy from the heated walls goes directly into evaporation of the liquid droplets. The other bounding case is the frozen droplet model. This model implies that the flow quality is frozen at a fixed quality, with none of the energy from the heated walls going into evaporation of the liquid droplets. Figure 52 shows the change in equilibrium quality with the change in actual quality for each data point. The quality change was from either Probe 1 to Probe 2 or from Probe 2 to Probe 3 consistent with the location where the data point was obtained. The diagonal line represents the terminal equilibrium condition, while the x-axis represents the frozen droplet condition. As indicated in Figure 52, the data are fairly evenly scattered between the two bounding conditions. Some of the data indicate very little heat transfer between the vapor and liquid droplets and approach the frozen droplet model, whereas other data have significant heat transfer between the vapor and liquid droplets and lie between the frozen droplet and thermodynamic equilibrium models.

The vapor generation rate was calculated for those data points with more than one vapor probe having a good reading during an experimental run. There were a total of 162 data points fitting this

criterion and for which the vapor generation rate was calculated. These data were compared with the Webb^{47,48} and the modified Saha⁴⁹ vapor generation correlations, which are given in Table 3.

The Webb correlation passes through the data with a large scatter. The correlation overpredicts all of the steady-state data, as shown by the circles in Figure 53. The steady-state data are primarily low-flow, high-void data. The modified Saha correlation significantly overpredicts all of the INEL data, as noted in Figure 54.

The Webb correlation was based on only low-pressure data (0.4 MPa or less) with vapor temperature measurement available at only a single elevation, whereas the modified Saha correlation was based on data having only inferred vapor temperatures. The above comparisons should not be unexpected, and the factors influencing the non-equilibrium vapor generation are believed to be the same as those previously discussed for the wall heat transfer, i.e., quench front quality, distance from quench front, and degree of nonequilibrium.

Residual plots for the two correlations as a function of mass flux, pressure, distance from CHF, actual quality wall temperature, and vapor temperature are presented in Appendix M.

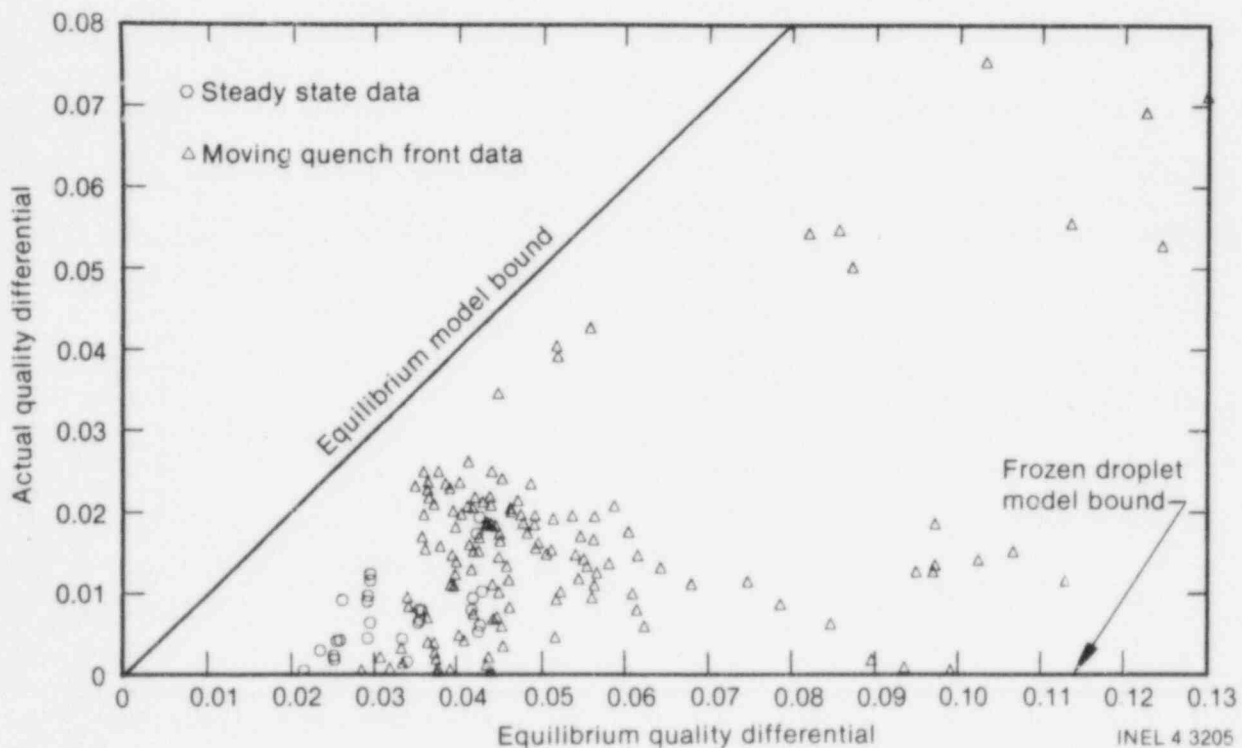


Figure 52. Actual quality change versus equilibrium quality change for INEL data.

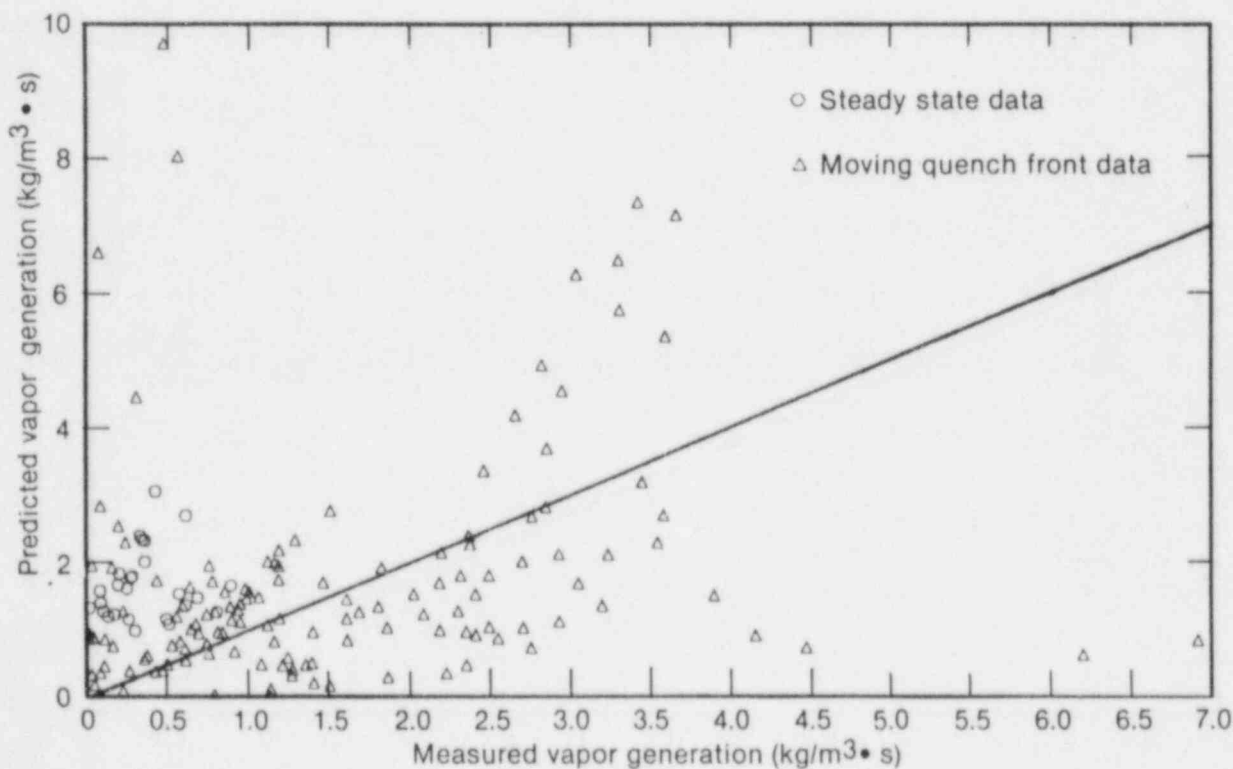
Table 3. Vapor generation correlations

(1) Webb^{47,48}:

$$\Gamma = 1.32 \left(\frac{P}{P_c} \right)^{-1.1} \left(\frac{G \cdot XA}{\alpha_h} \right)^2 \frac{(1 - \alpha_h)^{2/3} (T_v - T_s) k_v}{\rho_v \sigma h_{fg} D}$$

(2) Modified Saha⁴⁹:

$$\Gamma = 6300 \left(\frac{P}{P_c} \right)^2 \left[\left(\frac{G \cdot XA}{\alpha_h} \right)^2 \frac{D}{\rho_v \sigma} \right]^{1/2} \frac{k_v (1 - \alpha_h) (T_v - T_s)}{D^2 h_{fg}}$$



INEL 4 3206

Figure 53. Predicted versus measured vapor generation rate for Webb correlation.

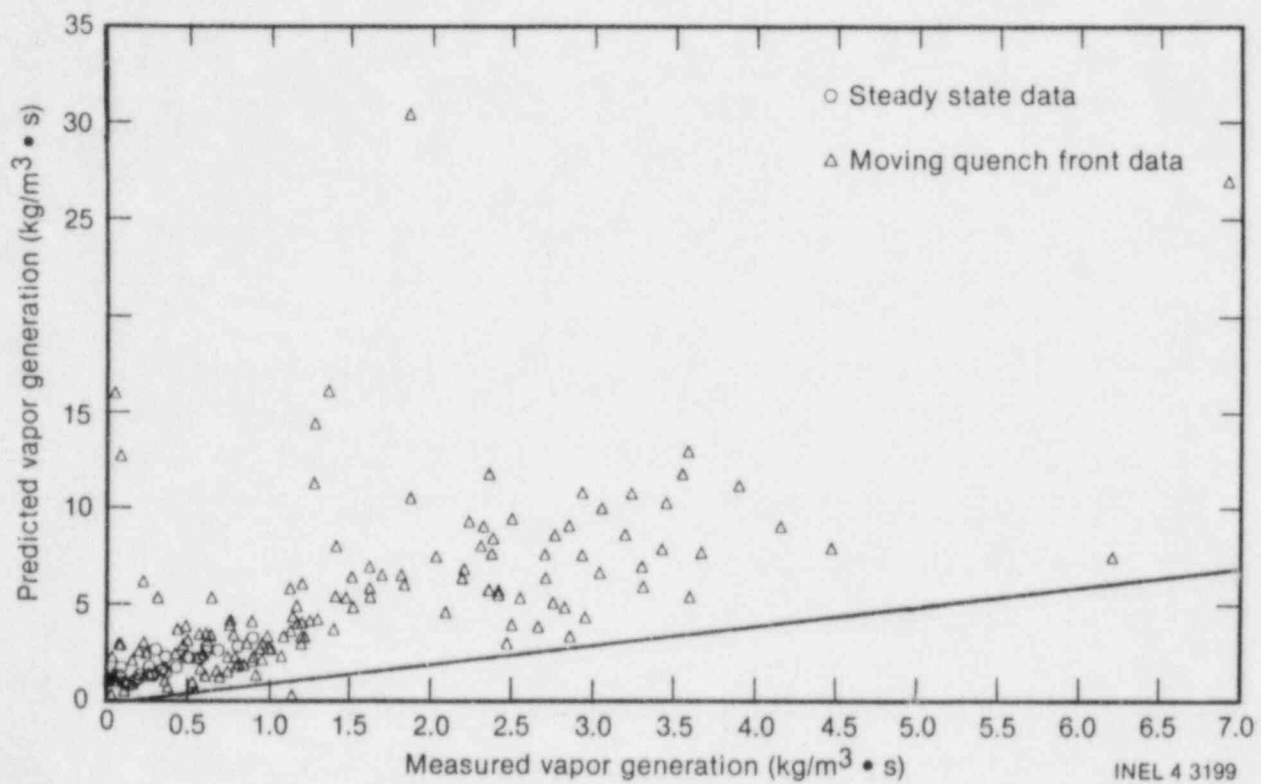


Figure 54. Predicted versus measured vapor generation rate for modified Saha correlation.

6. CONCLUSIONS

This report has presented a detailed description of the INEL forced convective post-CHF heat transfer experimental hardware and test setup, test conditions, measurements and uncertainties, and the operating procedures used to perform the experiment. In addition, discussions have been presented concerning the data analysis procedure, the resulting reduced data, repeatability of the data, comparison of these data to other correlations or models for both wall heat transfer and interfacial mass transfer, and limited correlation of the data for wall heat transfer to determine key parameters.

A total of 244 experimental runs were made, consisting of 49 steady-state and 195 quasi-steady-state runs. From the steady-state runs, 37 were analyzed, with 83 heat transfer data points obtained over a pressure range of 0.2 to 0.7 MPa, a mass flux range of 12 to 24 kg/m²·s, a heat flux range of 7.7 to 27.5 kW/m², and a test section inlet quality range of 38 to 64%. Seventy-one quasi-steady-state runs were analyzed, producing 683 heat transfer data points over a pressure range of 0.4 to 7.0 MPa, a mass flux range of 12 to 70 kg/m²·s, a heat flux range of 8 to 225 kW/m², and a test section inlet quality range of -7 to 47%. In addition, 162 vapor generation rate data points were obtained in this experiment. The uncertainties associated with the measured data have been discussed in Appendix F. Comparison of the heat transfer data base within itself, by cross-plotting both measured and calculated variables, indicates a data base with a generally even distribution of data.

The data contained in this report (a) provide a valuable addition to the forced convection post-CHF data base and (b) represent the only high pressure, nonequilibrium data available. Multiple vapor superheat probes were employed during a number of the test runs to provide information on the axial variation of vapor superheat.

Investigations to determine the existence of an equilibrium, low-quality effect on heat flux have been inconclusive. This results from the fact that, even with 766 data points, when heat flux versus equilibrium quality is plotted with all other parameters fixed, insufficient data exist to establish the trend. When current film boiling correlations are compared to the equilibrium quality, the data are underpredicted at the lower qualities, indicating that the low-quality effect may exist but not prov-

ing it. From the nonequilibrium, nonhomogeneous standpoint of the advanced codes, the effect of equilibrium quality on heat flux is not important in some post-CHF regimes. For these cases, the trend of heat flux with respect to void fraction is probably more important; the low-quality effect of the actual quality is coupled with the slip. Plots of heat flux versus actual quality, with all other parameters fixed, do not have sufficient data on each plot to reach conclusions.

Good replication of both steady-state and quasi-steady-state experiments has been shown, as well as reasonable comparison to existing data. A comparison of the steady-state data with the quasi-steady-state data from counterpart runs has shown good comparison, further supporting the theoretical basis for using quasi-steady-state experiments to develop steady-state correlations. Comparison of multiple-probe results for individual runs indicates a better understanding of the influence of cross-experiment variables (such as mass flux, pressure, and power) than the length effect within a single experiment.

A regression analysis to obtain a nonequilibrium wall heat transfer correlation yielded four important parameters. The most significant was the flow effect represented by the vapor Reynolds number. The effects of nonequilibrium (X_E/X_A), quench front quality (X_{CHF}), and distance from the quench front ($1 - DZQF/D$) were all of approximately equal importance behind the Reynolds number. The Prandtl number was also included but was not as significant as any of the other parameters.

The influence of the Reynolds number has been known for years and obtaining a correlated exponent very near 0.8 adds confidence in the data. The influence of the other three major factors indicates the needs for model improvements in these areas. The thermal nonequilibrium factor shows that the heat flux is not a linear function of $T_{wall} - T_{vapor}$ alone. This is not surprising, since the wall heat transfer is a balance between a number of competing mechanisms such as wall-to-vapor and vapor-to-liquid interfacial heat transfer (often referred to as interfacial mass transfer). The interfacial heat transfer is again related to the amount of liquid available to be vaporized. This is determined by the amount of liquid carried along (entrained) by the

vapor flow and is reflected by the presence of the quality-at-CHF and distance-from-CHF terms. The quality-at-CHF term indicates a measure of the liquid at the CHF point available to be entrained. In reality, all this liquid at CHF is not swept out of the tube in a homogeneous (i.e., equal velocity) manner. The distance from quench front may well substitute then for the slip between the phases, which changes as the two-phase mixture progresses up the tube.

On the basis of the results of the regression analysis in defining key parameters, it is not surprising that current post-CHF heat transfer correlations do not predict the data very well. The best comparative results were, in fact, obtained by application of the Dougall-Rohsenow equilibrium correlation applied in its standard form, using $(T_{\text{wall}} - T_{\text{sat}})$ as the thermal potential to predict heat flux. Thus, the error associated with the thermal potential is compensated for in the heat transfer coefficient. Application of equilibrium correlations to the nonequilibrium situations by evaluating them with vapor properties did not produce good comparisons. This is not surprising, since although the vapor properties were included in the correlations, the influence of X_{CHF} , $X_{\text{E}}/X_{\text{A}}$, and $(1 - DZQF/D)$, as indicated by the regression analysis, was still required. Correlations investigated in this report do not contain these factors, and therefore would not be expected to compare well with the data.

The vapor generation rate models, which are another method of representing interfacial heat transfer, were also compared to the data. The modified Saha correlation produced significantly erroneous results, whereas the Webb correlation produced results with significant scatter. Since the Saha correlation was obtained without any

measured vapor superheat data and the Webb correlation had only low pressure (0.4 MPa or less), single-elevation vapor measurement data available, this poor comparison should be expected. The factors influencing the comparison are believed to be those discussed relative to the wall heat transfer; i.e., nonequilibrium, quench front quality, and quench front location.

The comparison of the wall heat transfer and vapor generation correlations with the INEL data reported herein indicate a definite need for further post-CHF model development, including such factors as quench front conditions and elevation. These are needed for advanced codes to predict the post-CHF heat transfer, thermal nonequilibrium, and quenching phenomena. These factors are important because; (a) maximum fuel rod cladding temperatures, coupled with the pressure, determine whether fuel damage occurs and, if it occurs, the extent of damage; (b) vapor superheating influences the maximum cladding temperature, and, if fuel damage occurs, influences the transport and deposition of fission products; and (c) quenching determines when elevated cladding temperatures end and significant removal of the fuel rod energy can begin.

These comparisons also indicate the need for further experimental work. This requires the measurement of factors which will enable the characterization of the phenomena at the quench front, such as entrainment and the slip between the phases downstream of the quench front. This is necessary in order that the advanced computer codes be able to model the processes from a phenomenological viewpoint, as opposed to using quantities such as quality at the quench front and distance from the quench front.

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**APPENDIX A
EXPERIMENT DESCRIPTION**

APPENDIX A EXPERIMENT DESCRIPTION

This section contains a description of the experiment configuration and associated hardware, as well as a detailed description of the test section. Drawings of the test section are provided in Appendix G.

A-1. Experiment Loop Configuration

The post-CHF experiments were conducted in the Blowdown Loop of the Thermal-Hydraulics Experiment Facility at the INEL. The main loop configuration is shown schematically as part of Figure A-1 and consists of a pressure vessel, a coolant pump, a warmup heater vessel, and associated valves and piping. The purpose of the main loop was to provide a high-temperature, high-pressure water supply to the test section (also shown in Figure A-1) in a once-through manner. A feed and bleed system maintained the main loop in a subcooled, liquid full, constant-pressure condition. The outlet of the test section was connected to a surge tank (Figure A-1), to provide a constant back pressure during a test run. The outlet line was electrically isolated from the surge tank to prevent shorting of the test section. A regulated nitrogen supply was connected to the surge tank to provide the initial test section pressure.

The main loop was capable of supplying fluid at temperatures up to 619 K and pressures up to 16.2 MPa. The fluid was maintained in a subcooled condition so that the flow rate to the test section could be accurately measured through an orifice. The fluid was then flashed across a flow control valve (FCV-1T) downstream of the flow measuring orifice, which resulted in equilibrium fluid qualities at the inlet to the lower hot patch of up to 47% at a test section pressure of 0.4 MPa.

The initial inlet piping configuration from the main loop to the test section is shown schematically in detail in Figure A-1. To measure test section flow rate, subcooled fluid from the main loop was transmitted through one of two parallel lines. One contained a 1.016-mm-diameter orifice and the other a 2.464-mm-diameter orifice. The initial inlet piping configuration was designed for steady-state experiments, only allowing flow through the inlet piping as well as the test section and establishing the desired test conditions. Since unlimited time was available to establish a desired steady flow rate and stable test conditions prior to recording data, this configuration was satisfactory for the steady-state experiments. A photograph of the inlet pipe to the lower hot patch is shown in Figure A-2; however,

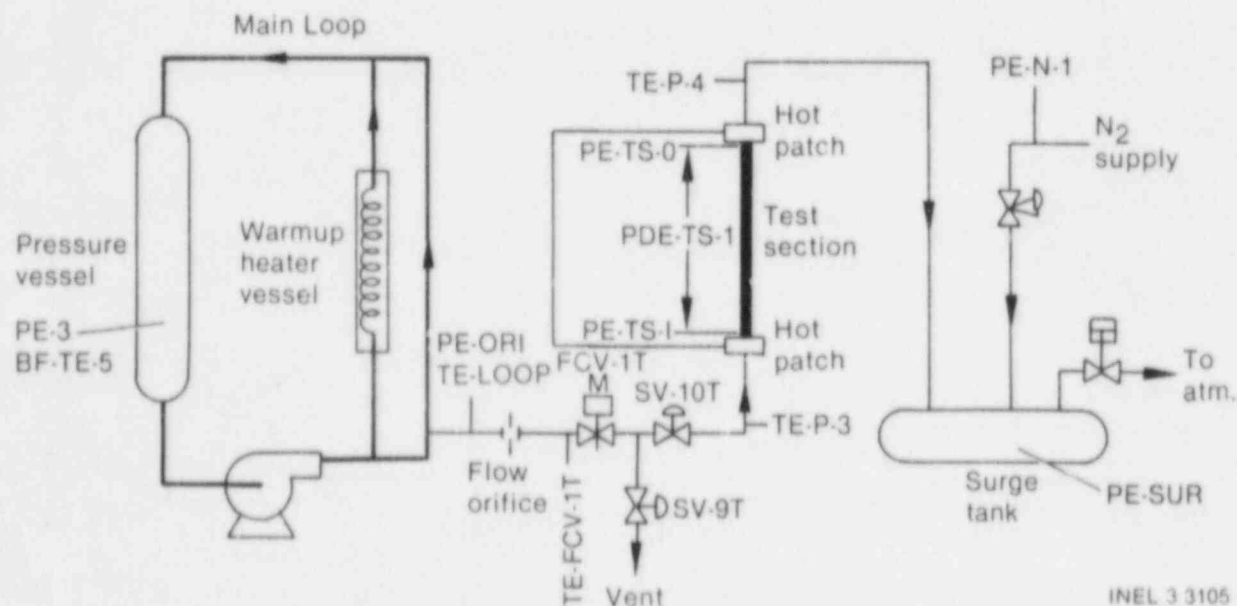


Figure A-1. Experiment loop and instrumentation diagram.

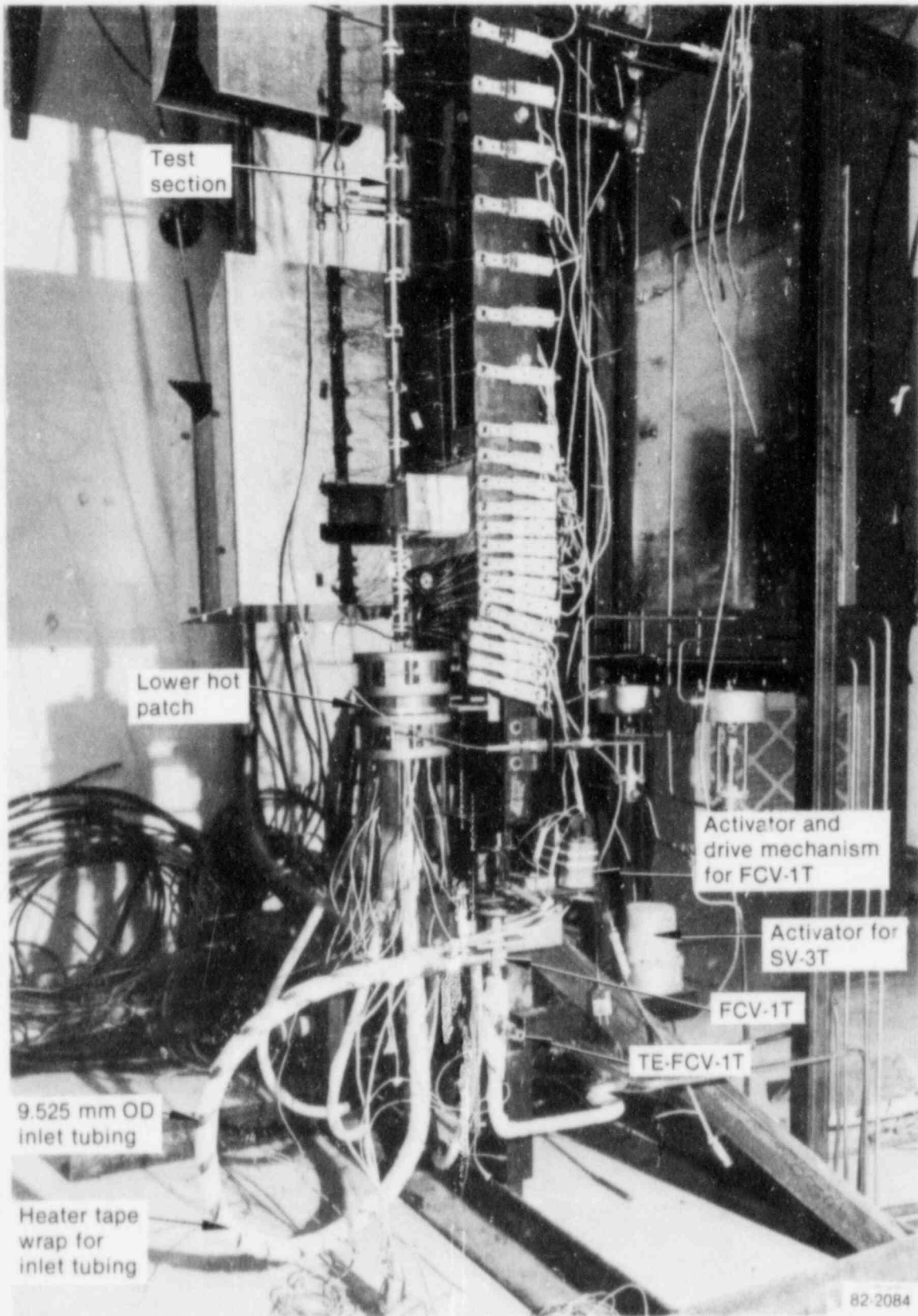


Figure A-2. Test section inlet configuration.

the vent line and vent valve (SV-9T) had not been installed at the time this photograph was taken.

The initial inlet piping configuration was not satisfactory for the quasi-steady-state experiments. The flow rate was quite sensitive to the position of the flow control valve (FCV-1T), with hysteresis in the drive mechanism adding to the problem. The delay caused by the time required to stabilize the test section flow rate and inlet quality while the test section was quenching resulted, during many of the quasi-steady-state test runs, in propagation of the quench front up to 45 cm into the test section before the flow rate was stabilized. Therefore, following Run 127, the inlet piping configuration was changed to that shown schematically in Figure A-3, so that flow could be circulated through the flow control valve (FCV-1T) but not through the test section.

This allowed heatup of the inlet piping and stabilization of the flow rate prior to starting the experiment. The flow was then diverted through the test section by first opening Valve SV-10T and then immediately closing Valve SV-9T, thus providing a steady flow rate to the test section during the entire experiment.

The inlet piping from the main loop to flow control Valve FCV-1T was 9.525-mm-OD (0.89-mm wall thickness) stainless steel tubing. The inlet line from Valve FCV-1T to the lower hot patch was 19.05-mm-OD (0.89-mm wall thickness) tubing approximately 1.2 m long.

A vent line at the inlet to the test section was provided, as shown in Figures A-1 and A-3. At the completion of each test run and after the flow to

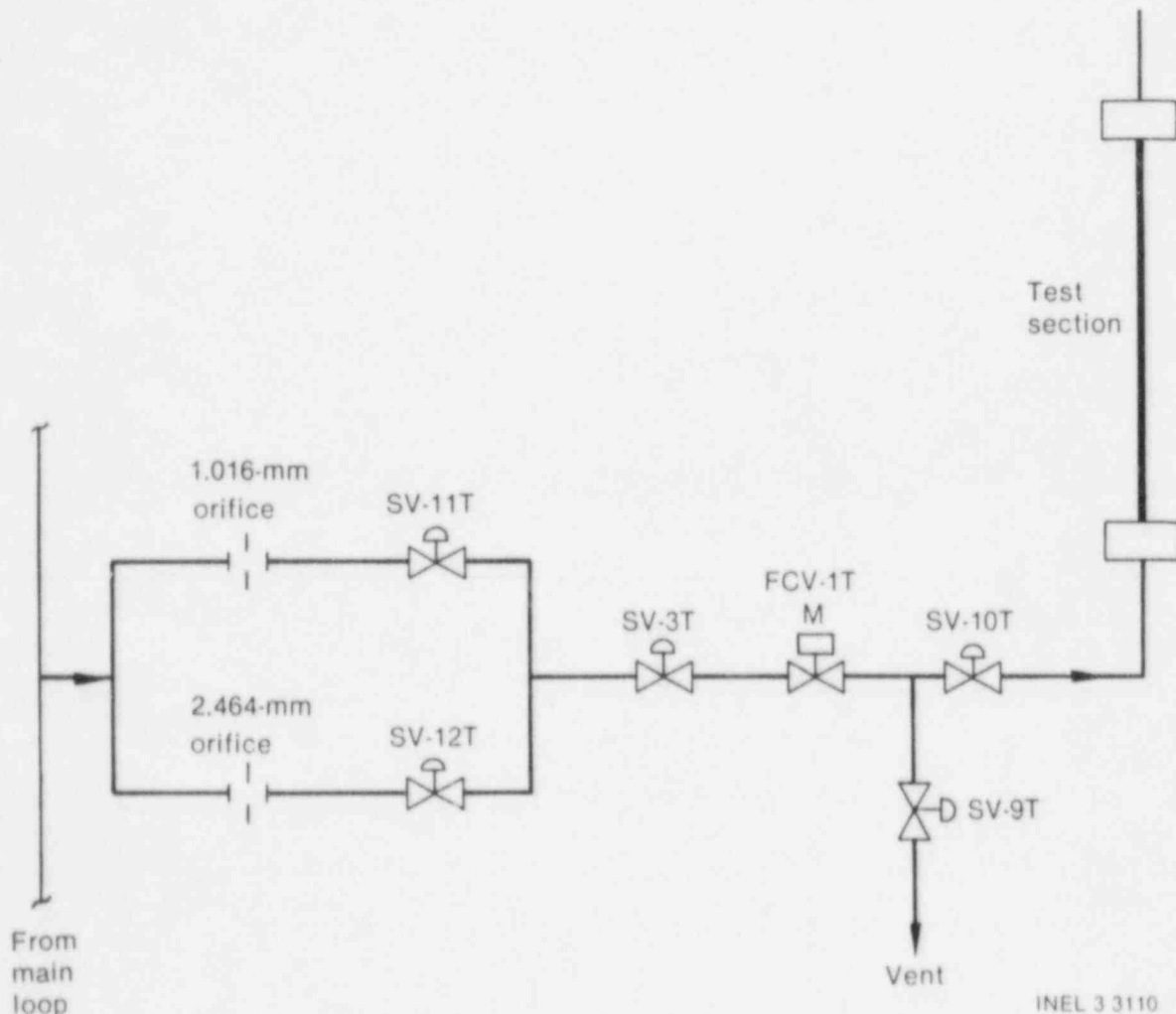


Figure A-3. Revised inlet piping configuration diagram.

the test section was stopped, Valve SV-9T was opened to allow backflow of nitrogen from the surge tank to dry out the test section.

A-2. Test Section Description

The test section, shown schematically in Figures A-1 and A-3, consisted of a vertical, Inconel-625, seamless tube with a 19.14-mm OD and a 15.7-mm ID. The initial heated length of the test section was 213.4 cm. The hot patch technique, developed by Groeneveld and Gardiner,^{A-1} was used in this experiment to create dry patches and prevent a quench front from entering the test section during the steady-state experiments. Drawings of the test section and hot patches are provided in Appendix G; a photograph of the machined hot patch parts is presented in Figure A-4. Cartridge heaters in the inlet (lower) hot patch, along with two band heaters around the periphery of the hot patch, were capable of delivering 7.8 kW of power. Cartridge heaters in the outlet (upper) hot patch were capable of providing 5.8 kW of power. The copper hot patches also functioned as the electrical con-

nectors to the test section. Bus bars, to which electrical power leads were bolted, were brazed to the upper and lower hot patches. Figure A-5 shows the lower hot patch with the cartridge heaters and band heaters installed.

Construction of the test section began by cutting the Inconel tube into three pieces. Copper hot patches, 15.24 cm in diameter, were brazed to the 30.48-cm-long inlet and outlet segments of the Inconel tube, as shown in Figure A-6 for the lower hot patch, with the tube having been coated with a thin layer of nickel prior to brazing. Braze alloy Bag-8, which has a melting temperature of 1050 K, was used. Prior to the production braze, dissection of qualification samples revealed an excellent braze with essentially no voids, as shown in Figure A-7. After the brazing operation, the test tube sections were welded back together using an Astro-arc welder. Weld qualification samples were also made prior to the production weld to ensure a uniform test section wall thickness of 1.72 mm after welding.

A 75-kW dc power supply was used to provide joule heating of the test section. The power supply

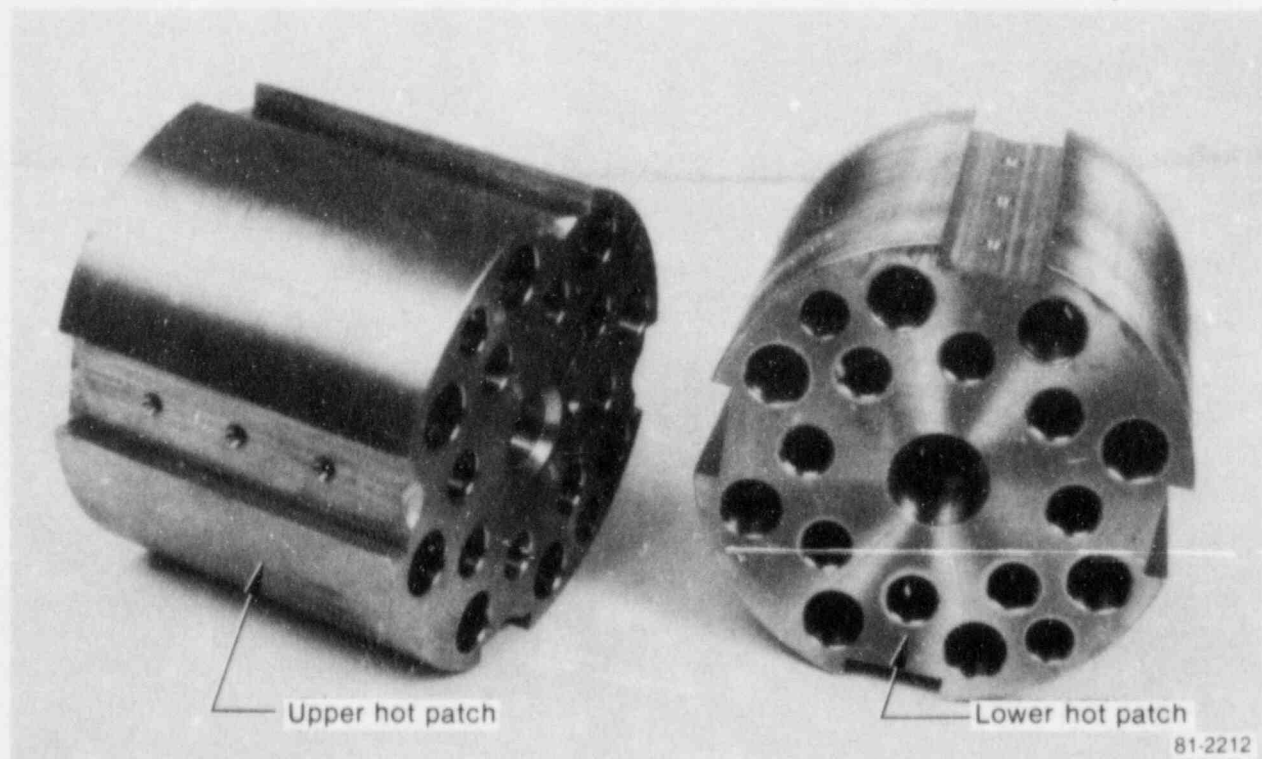


Figure A-4. Lower and upper hot patch machined parts.

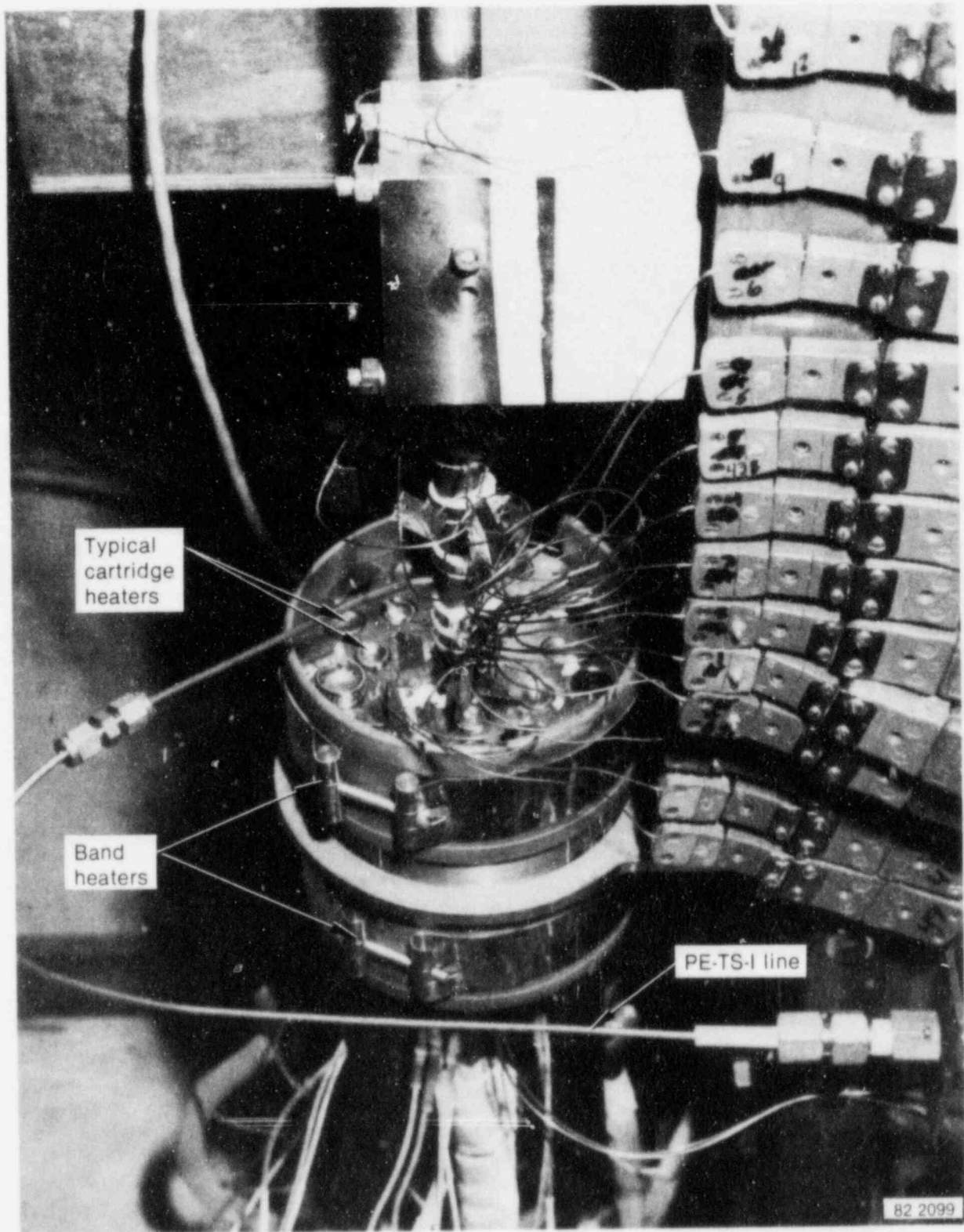


Figure A-5. Lower hot patch.

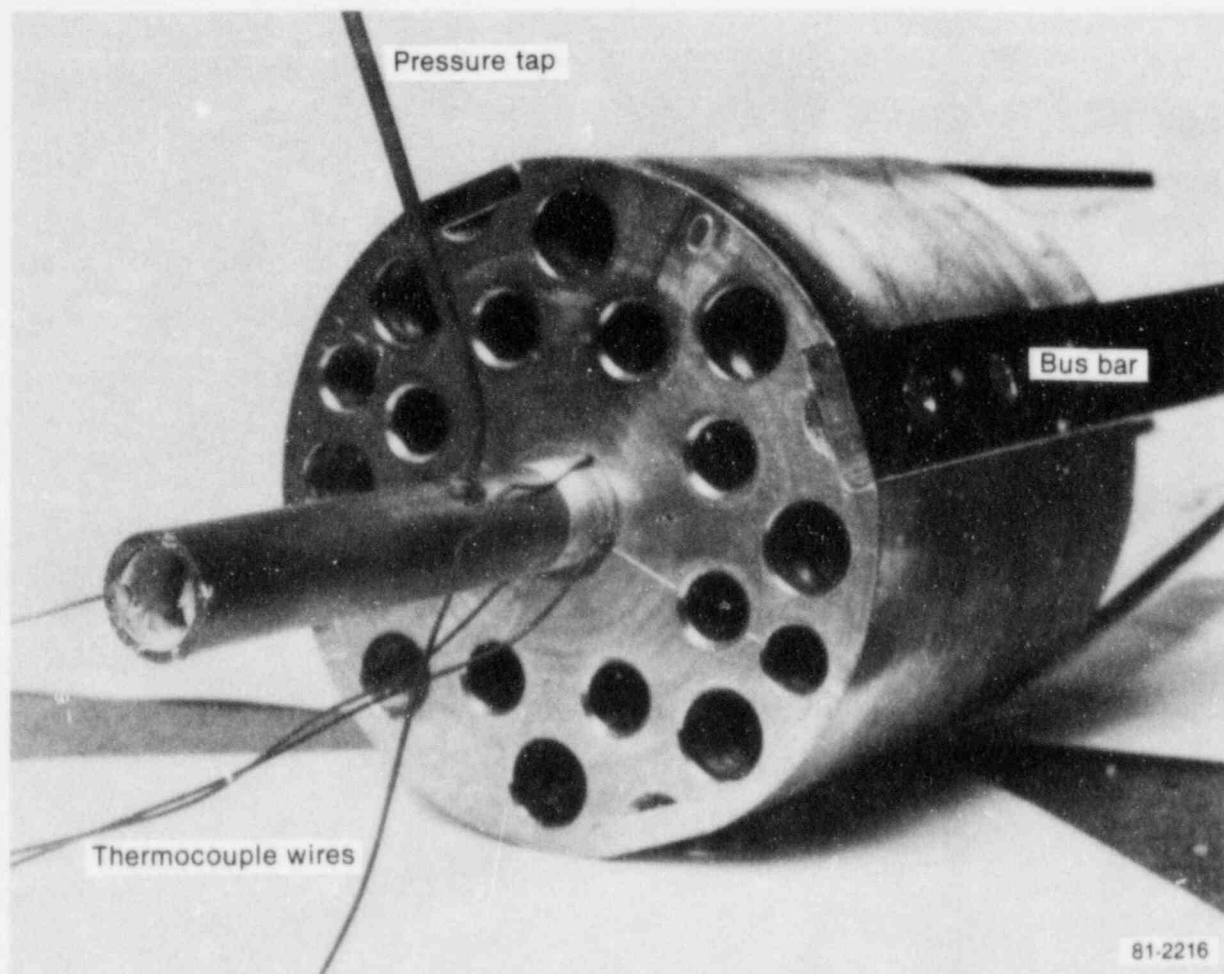


Figure A-6. Lower hot patch with bus bars.

was capable of providing 0 to 1300 A at voltages of 0 to 60 V-dc.

A vertical stand, shown in Figure A-8, was built to hold the test section. The upper hot patch was bolted to and electrically isolated from the test stand. The entire test section was suspended from the upper hot patch, and 50 lb of lead were suspended from the lower hot patch to put the test section in tension and aid in keeping it straight during heatup.

An outlet tee was connected to the Inconel test tube about 10 cm above the upper hot patch (Figure A-9) to divert the flow to the outlet pipe leading to the surge tank. The outlet tee was designed with a contour to change the flow direction 90 degrees while achieving a minimum deflection of liquid droplets back into the test section. The outlet tee was covered with heater tape and fiberfrax insulation and heated to 800 K for each test

run to minimize condensation and backflow of liquid droplets into the test section. The fiberfrax insulation had a density of 128.2 kg/m^3 and a specific heat of $1130.5 \text{ W}\cdot\text{s/kg}\cdot\text{K}$. The thermal conductivity of the insulation varied with temperature, as shown below.

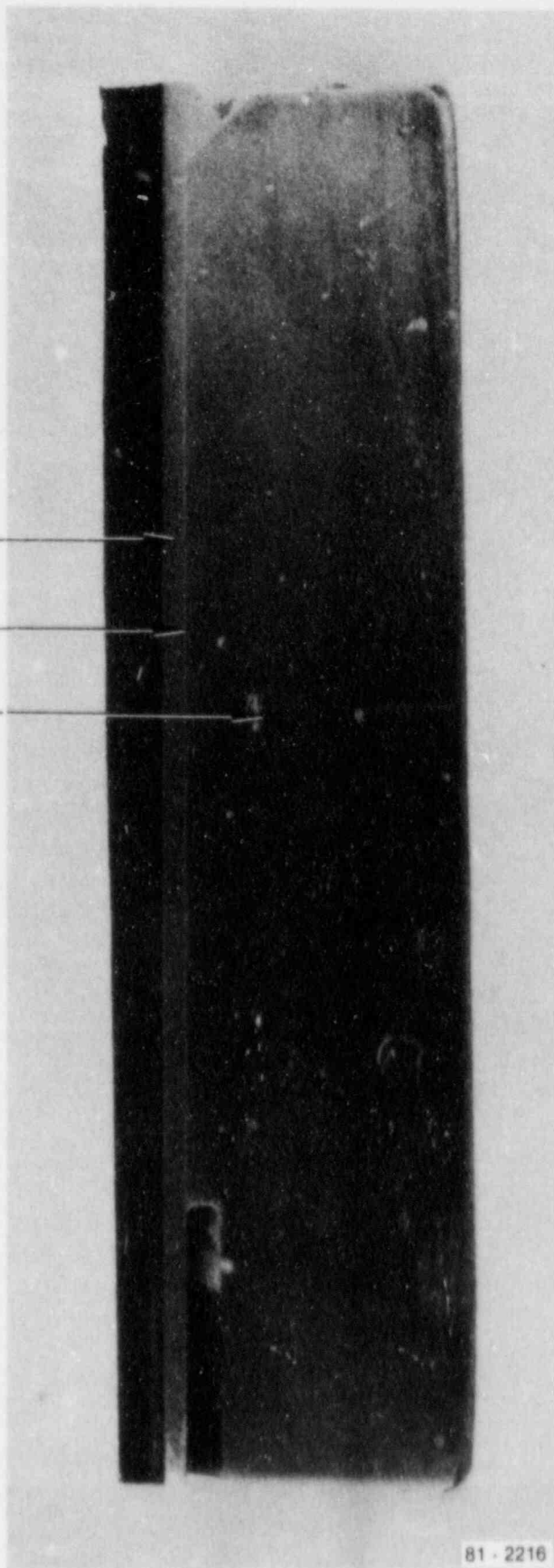
Thermal Conductivity ($\text{W/m}\cdot\text{K}$)	Temperature (K)
0.2265	1200
0.1624	1000
0.1062	800
0.0591	600

The test section and lower and upper hot patches were covered with 10 cm of fiberfrax insulation during the experiment. Heat loss tests were performed to determine the percentage of test section and lower hot patch power lost to the atmosphere during steady-state operation.

Inconel tube —————

Braze joint —————

Copper hot patch —————



81 - 2216

Figure A-7. Lower hot patch braze qualification sample.

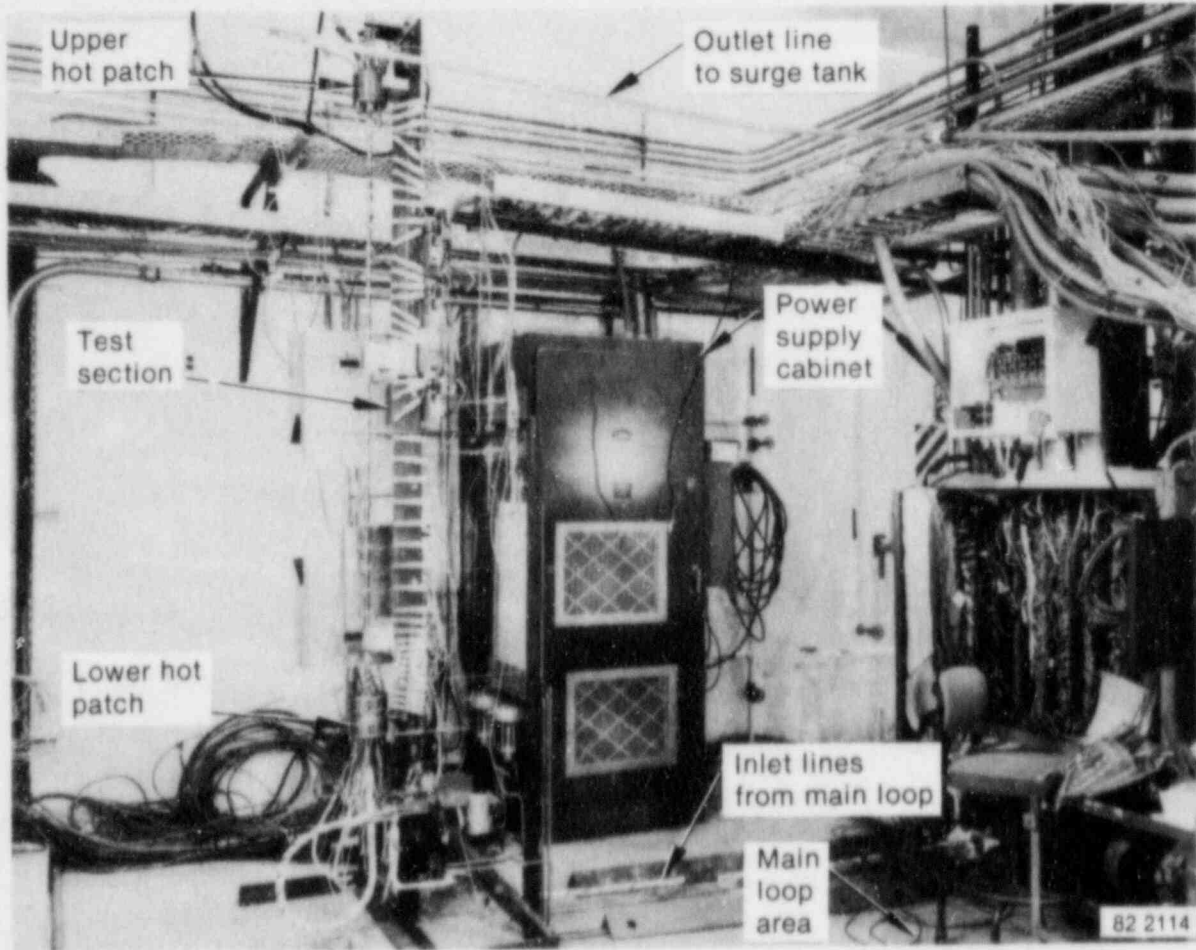


Figure A-8. Test section and test stand.

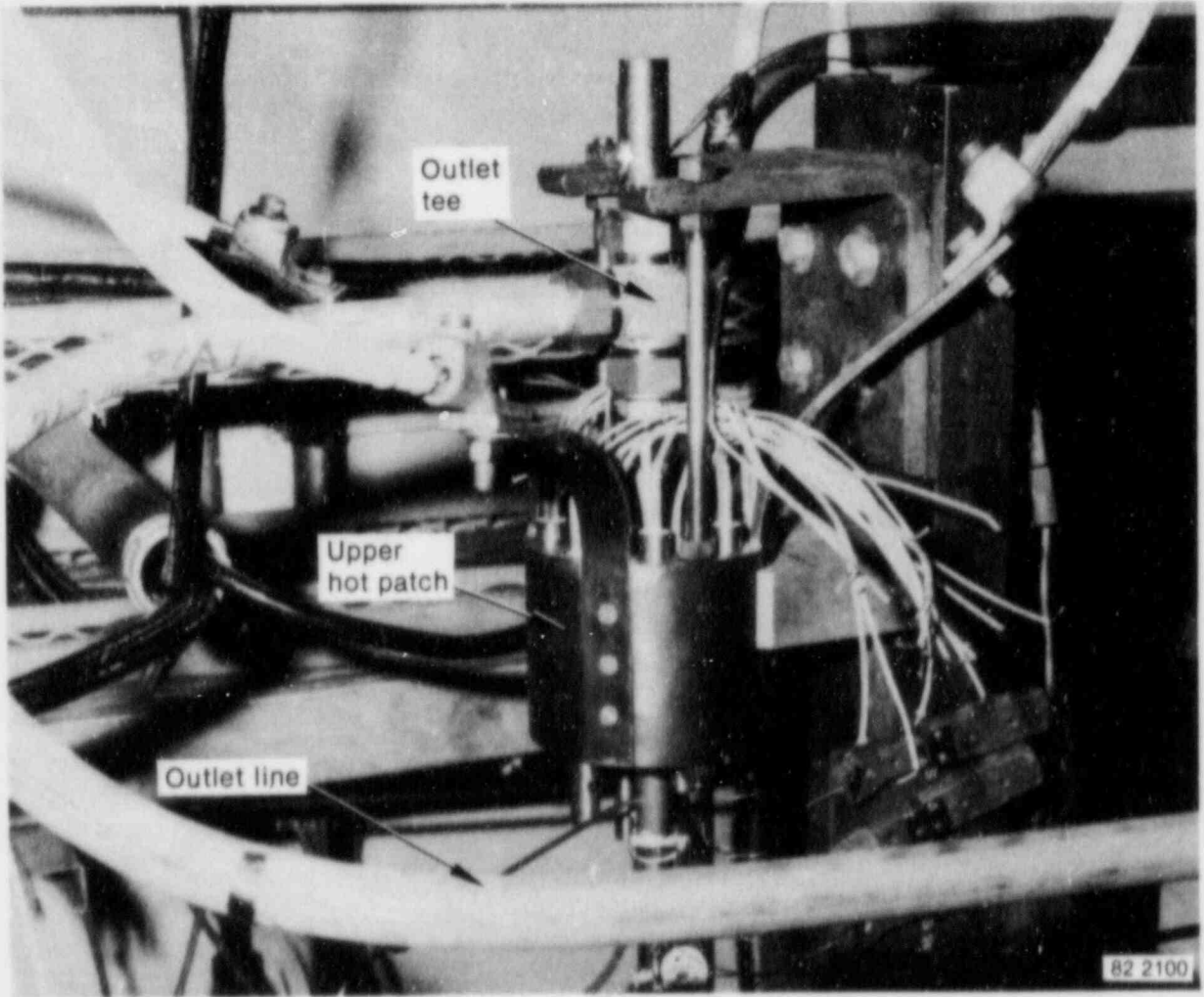


Figure A-9. Test section outlet configuration.

Following Run 189, the test section heated length was shortened from a nominal 213.4 to 132.1 cm, which allowed higher heat flux and higher flow rate experiments to be conducted without overheating the outlet of the test section. This was accomplished

by moving the power leads from the upper hot patch to a new bus bar bolted to the test section, as shown in Figure A-10. Special precautions were taken to minimize the electrical resistance between the bus bar and the test section.

Reference

- A-1. A. W. Bennett et al., *Heat Transfer to Steam-Water Mixtures Flowing in Uniformly Heated Tubes in Which the Critical Heat Flux Has Been Exceeded*, UKAEA Research Group Report AERE-R5373, 1967.

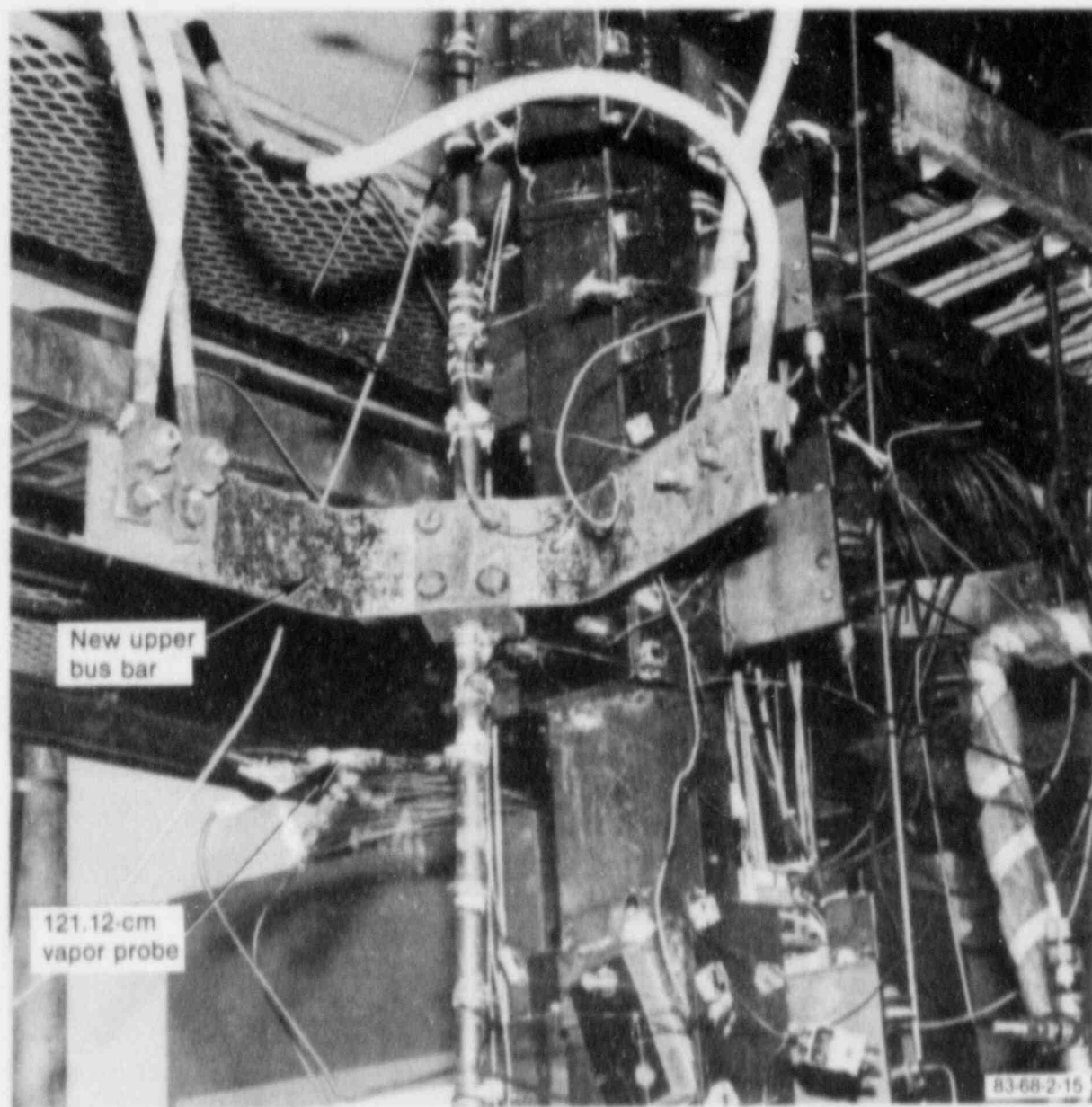


Figure A-10. Bus bar at the 132.1-cm elevation on the test section.

**APPENDIX B
TEST CONDITIONS**

APPENDIX B TEST CONDITIONS

Originally, the post-CHF experiments were to be conducted only in the steady-state mode, with the quench front stable at the inlet to the lower hot patch. Once testing began, however, it was determined that, for mass fluxes over $25 \text{ kg/m}^2\cdot\text{s}$ and pressures greater than 0.7 MPa , a quench front propagated into the test section. This inability to perform a complete series of steady-state experiments over a wide parametric range of test conditions was shown, as a result of a posttest dissection and metallurgical analysis, to be due to a faulty braze of the lower hot patch to the test section. The faulty braze led to the conduct of two types of experiments. A steady-state series was performed over a limited data range, and slowly moving quench front series (quasi-steady-state) was performed over a much wider data range. (Section 4 of the main text presents the justification for using this latter type of experiment.) This Appendix describes the conditions of these two types of experiments, as well as the heat loss tests.

B-1. Steady-State (Fixed Quench Front) Test Runs

Test Runs 1 through 49 were conducted as steady-state experiments at pressures of 0.2 , 0.4 , and 0.7 MPa ; mass fluxes of 12 to $24 \text{ kg/m}^2\cdot\text{s}$; test section inlet equilibrium qualities of 38 to 64% ; and heat fluxes of 7.7 to 27.5 kW/m^2 . Thirty-seven of these test runs were later determined to be good, in terms of data reduction, and are reported in Appendix H.

A "data point" is defined by the measurement of the vapor temperature at a given elevation in the test section, along with the following quantities: test section pressure, and its associated saturation temperature; mass flux; test section inlet equilibrium quality and enthalpy; and the wall temperature, equilibrium quality, and convective heat flux at each wall thermocouple location. Thus, a data point was obtained corresponding to each vapor probe in the test section which was operating during a steady-state run. Eighty-five steady-state heat transfer data points were obtained.

B-2. Quasi-Steady-State (Moving Quench Front) Test Runs

Test Runs 50 through 247 were conducted as quasi-steady-state runs, with a slowly moving quench front in the test section in order to expand the ranges of the test conditions. The resulting test conditions were pressures of 0.4 , 0.7 , 3.5 , and 7.0 MPa , mass fluxes of 15 to $100 \text{ kg/m}^2\cdot\text{s}$, test section inlet fluid qualities of 7 to 47% , heat fluxes of 8 to 225 kW/m^2 , and test section wall temperatures of 650 to 1150 K . Mass fluxes greater than $100 \text{ kg/m}^2\cdot\text{s}$ were not obtained, as originally intended, due to sustained quenching of the vapor probes.

Seventy-one quasi-steady-state test runs were chosen on the basis of covering the widest possible parametric range with unique run conditions and are reported in Appendix H.

The quasi-steady-state runs provided a large number of data points, since the local fluid quality changed at each vapor probe as the quench front slowly moved up the test section. Data points were obtained from each run by evaluating test section conditions at various points in time as the quench front moved upward. The rationale for determining the number of data points from each test run is given in Section 4 of the main text. A total of 683 heat transfer data points are reported for the quasi-steady-state portion of the experiment program.

B-3. Steady-State Heat Loss Tests

To determine the heat loss from the lower hot patch and the test section to the environment during steady-state operation, eight test runs were performed. The tests were conducted at various temperature levels for the hot patches and test section, so that heat losses could be accounted for at any temperature in the data reduction analysis for a given test run. The test section and hot patches were completely insulated for these tests. Results of the heat loss tests are given in Appendix I, and the method in which the results were incorporated into the data reduction analysis is described in Section 4 of the main text and in Appendix I. Conditions for the heat loss tests were:

<u>Run</u>	<u>Lower Hot Patch Temperature (K)</u>	<u>Upper Hot Patch Temperature (K)</u>	<u>Test Section Wall Temperature (K)</u>
9.4 A	500	500	500
9.4 B	500	500	700
9.4 C	500	500	900
9.4 D	700	700	500
9.4 E	700	700	700
9.4 F	700	700	900
9.4 G	800	800	900
9.4 H	700	700	700

**APPENDIX C
OPERATING PROCEDURE**

APPENDIX C OPERATING PROCEDURE

This appendix describes the operating procedure used for both the steady-state and quasi-steady-state experiments.

Due to a 12-V common-mode rejection limitation on most of the thermocouple amplifiers, a few of the test section wall thermocouples, near the upper end (outlet) of the test section where the voltage was highest, experienced a common-mode voltage problem, with the readings influenced by the test section voltage. Therefore, during most steady-state and quasi-steady-state experiments, the test section voltage was given a step-change off and then on again after 2 s to calibrate the affected thermocouple readings. For most of the experiments, these voltage steps can be observed on the voltage plot. Any affected thermocouple readings were corrected during the data reduction process.

C-1. Steady-State Experiments

To initiate a steady-state film boiling experiment, the main loop was first heated to a temperature that provided fluid at the desired test section inlet quality when flashed across the inlet flow control valve (FCV-1T in Figure C-1) at a given test section pressure. The surge tank and test section were

initially pressurized with nitrogen to the desired test pressure, with no flow in the test section.

The test section was slowly heated to the specified temperature for the experiment, based on a thermocouple measurement at the 180.34-cm elevation (TE-TS-71), and the lower and upper hot patches were heated to 800 K. For a few of the steady-state experiments, the lower hot patch was heated to temperatures as high as 1025 K in an attempt to prevent a quench front from entering the test section. However, this resulted in no improvement in the ability to hold the quench front out of the test section.

Heater tape on the inlet line from the flow control valve (FCV-1T) to the lower hot patch (see Figure C-2) maintained the inlet line at the saturation temperature corresponding to the test pressure to eliminate heat loss problems. Heater tape on the inlet line from the main loop to Valve FCV-1T maintained the inlet piping and valves at the main loop fluid temperature.

When the main loop, test section, and hot patches were at the specified temperatures for a given test run, flow from the main loop was circulated through one of the flow orifice lines, the inlet flow

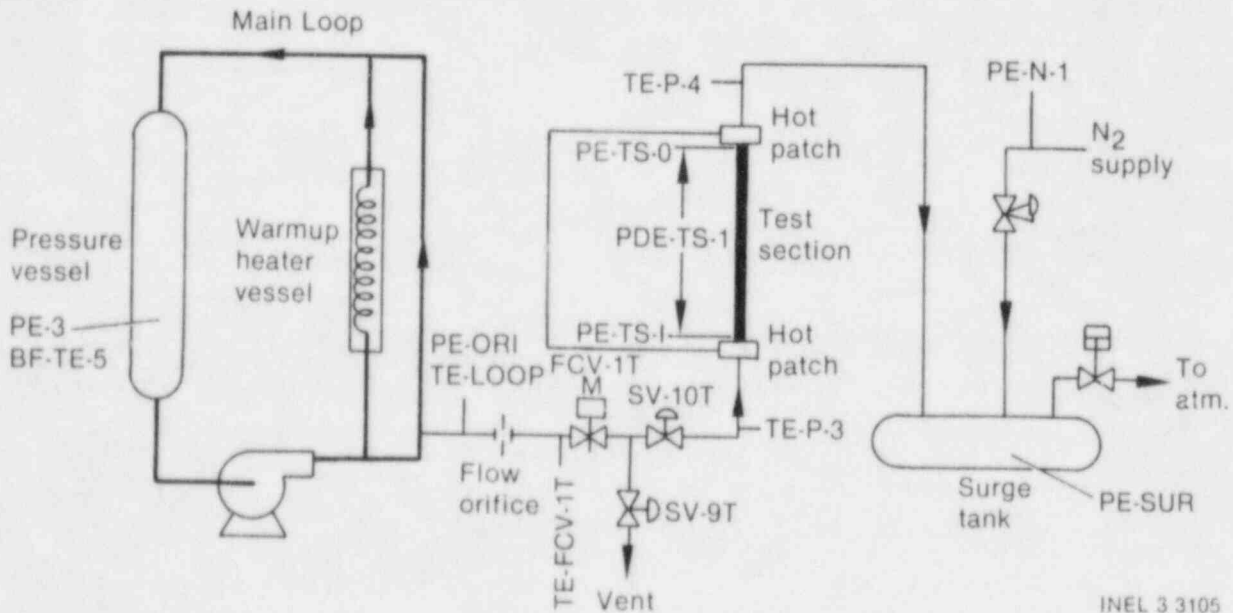


Figure C-1. Experiment loop and instrumentation diagram.

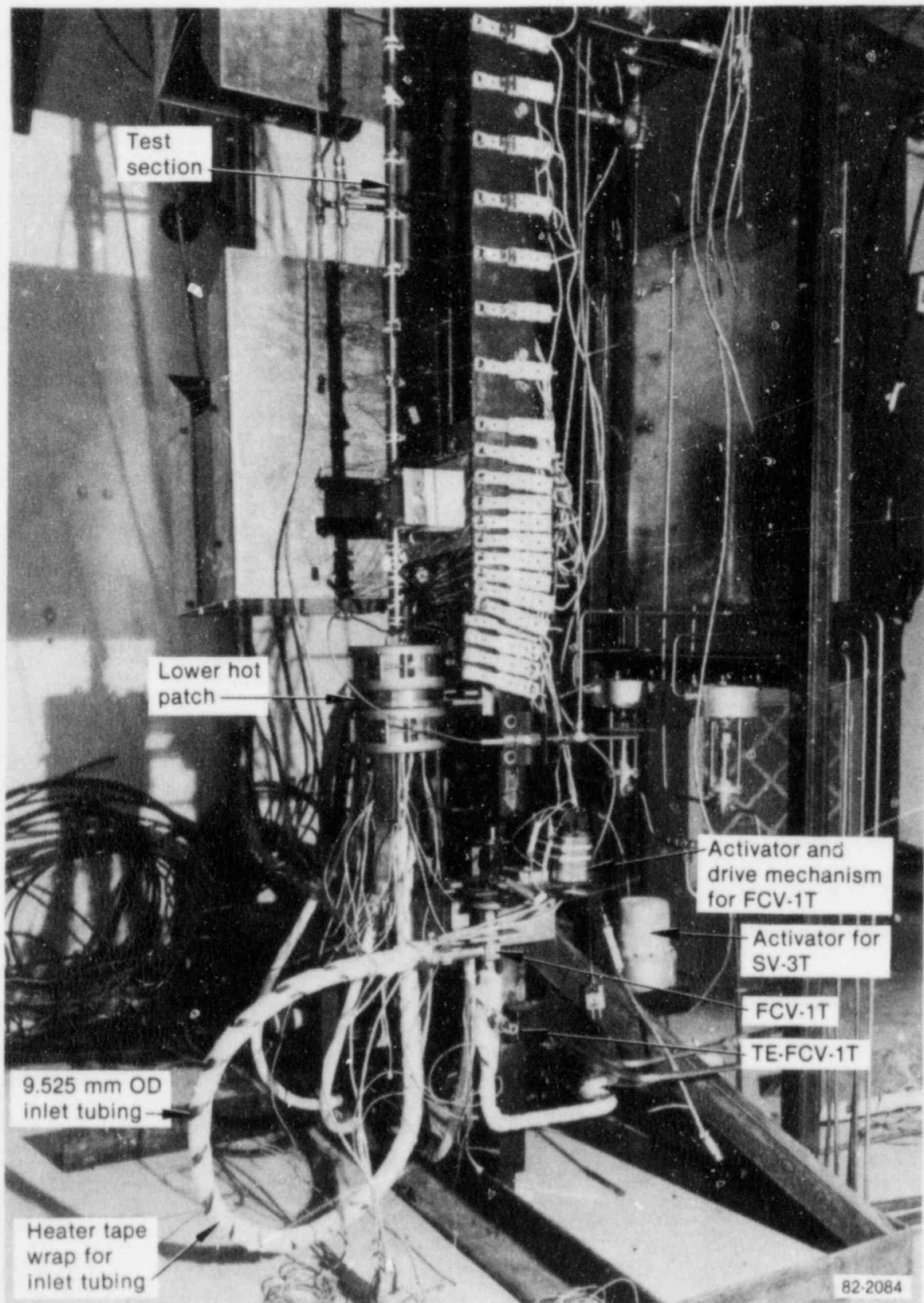


Figure C-2. Test section inlet configuration.

control valve, and the test section in a once-through manner. Flow to the test section was then adjusted through the inlet flow control valve until the desired flow rate was obtained. The test section pressure was held constant during an experiment by using a flow control valve to vent nitrogen and steam from the surge tank to atmosphere (see Figure C-1). To maintain the set temperatures, power to the hot patches and the test section was controlled automatically by an EPTAK microprocessor.

To aid in setting up the test conditions and to verify when parameters were set for a test run, all process and experimental measurements were monitored on a CRT. Also, selected test section wall thermocouples were monitored on strip charts to determine when the temperature profile on the test section had stabilized after the flow had begun. The vapor probe aspirating valves were opened and adjusted in order to provide measurement of the vapor temperature. The positions of the aspirating valves were indicated on meters on the control panel. For high-quality, low-flow inlet conditions typical of the steady-state test runs, infrequent rewets were indicated on the vapor probe thermocouples. When a rewet was indicated, particularly if it was a sustained rewet, the aspirating valves were adjusted to remove the liquid droplets from the lines so that the vapor probe would recover and measure vapor temperature again.

When all parameters were stable, data measurements were recorded for a period of several minutes, with the test section temperature being controlled at the 180.34-cm level. Data were also recorded by setting a constant voltage (power) on the test section, which resulted in less fluctuation of the test section power. However, when the parameters for temperature- and voltage-controlled portions of the experiment were averaged over a period of 60 s to obtain a data point, the values were basically the same.

The process of lowering the test section temperature and taking data was repeated until the test section inlet quenched; each temperature was counted as a test run. Following quench, a backflow of nitrogen from the surge tank was initiated and low power applied to dry out the test section. Conditions were then reset for another series of experiments.

C-2. Quasi-Steady-State Experiments

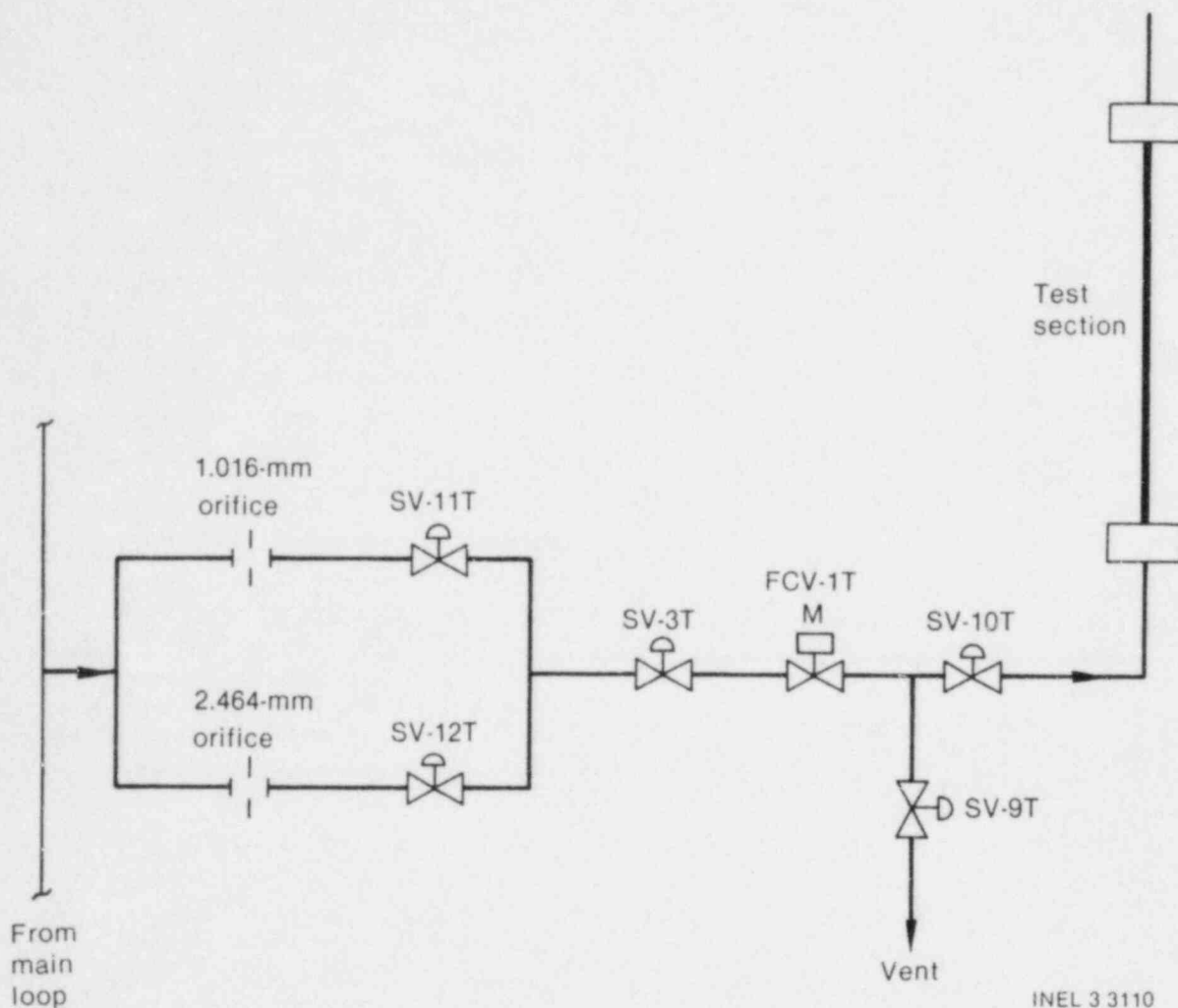
The operating procedure for the quasi-steady-state experiments was similar to that for the steady-state experiments, with the following exceptions. The lower hot patch was heated to the saturation temperature at the corresponding test section pressure for a given test run. This process eliminated (a) heat transfer between the hot patch and the incoming fluid to simplify determination of the test section inlet fluid quality and (b) heat losses from the hot patch to the environment.

Data recording began just prior to initiating flow to the test section. For Runs 50 through 127, the inlet piping configuration was the same as for the steady-state runs (see Figure C-1). When flow to the test section was initiated in this configuration, a period of up to about 120 s was required to obtain a steady flow rate, due to flow control limitations of the inlet micrometering flow control valve (FCV-1T). The result was that the quench front had generally propagated from about 15 to 45 cm into the test section before the flow rate was stabilized. This resulted in a loss of that portion of the data for rapidly varying flow rates.

Following Run 127, the inlet piping configuration was changed, as described in Section 3.2 of the main text (see Figure C-3), to allow preheating of the inlet line through Valve FCV-1T and presetting of a stable flow rate before diverting flow into the test section. This method of operation was found to be very successful, with useful data being obtained after the tube heatup was completed. This was discussed in Section 4 of the main text.

For the quasi-steady-state test runs, the amount of nonequilibrium at each vapor probe decreased as the quench front moved up the test section. The vapor probes encountered more frequent rewets and recoveries as the quench front approached, and generally quenched permanently when the quench front was within about 15 to 30 cm of the probe. When all of the vapor probes had encountered permanent quenches, the test run was terminated.

For some of the quasi-steady-state test runs, the quench front progression slowed, stopping at an elevation in the test section similar to Bennett's^{C-1} experiments. When this occurred, the test section was allowed to sit with the quench front at this stable location. The test section power was then



INEL 3 3110

Figure C-3. Revised inlet piping configuration diagram.

lowered to allow the quench front to propagate farther up the test section. Data were recorded continuously.

C-3. Steady-State Heat Loss Tests

The steady-state heat loss tests were conducted with nitrogen at ambient pressure and with no flow

in the test section. The inlet pipe from the inlet flow control valve (FCV-1T) to the lower hot patch was heated with heater tape to 558 K. The outlet pipe above the upper hot patch was heated to 675 K. The lower and upper hot patches and the test section were heated to specified temperatures, and the system was allowed to stabilize for at least 15 min to provide a steady-state temperature distribution through all components. After steady-state conditions were obtained, data were recorded for a minimum of 120 s.

Reference

- C-1. A. W. Bennett et al., *Heat Transfer to Steam-Water Mixtures Flowing in Uniformly Heated Tubes in Which the Critical Heat Flux Has Been Exceeded*, UKAEA Research Group Report AERE-R5373, 1967.

**APPENDIX D
DATA ACQUISITION SYSTEM**

APPENDIX D DATA ACQUISITION SYSTEM

This appendix describes the hardware used for automatic process control of the main loop and test section parameters, as well as for the acquisition of all data.

D-1. Control System

Test loop process measurements and controls were accomplished using an EPTAK microprocessor controller. All loop operations, from startup through experiment sequencing, were programmed into the controller; and a complete experiment series was conducted with minimum operator intervention. The process measurements and loop parameters were displayed on a CRT terminal, allowing monitoring by an operator. The keyboard allowed on-line set-point modifications at any time prior to the actual period of experiment sequencing and data acquisition.

D-2. Data Acquisition System

Experiment measurements on the test loop and test section were monitored by a central data acquisition system comprised of a 256-channel digital recording system. The digital system is equipped with a NEFF 620 acquisition system which converts analog input signals to digital format for processing by a MODCOMP II/45 computer. The analog-to-digital conversion provides 16-bit resolution at a throughput rate of 50,000 samples/s. The signal conditioning system provides the input conditioning required for Type K thermocouples, bridge transducers, and resistance temperature detectors (RTDs). Filter bandwidths of 1 Hz to 1 kHz are available. All parameters in the experiment were recorded at a rate of 50 samples/s.

Data plotting was accomplished immediately following an experiment. Standard 6- by 8-in. plots were produced in engineering units. The MODCOMP data tapes were later converted to the Common Word Addressable File (CWAF) format on the CDC computer for data reduction and processing.

**APPENDIX E
MEASUREMENTS**

APPENDIX E MEASUREMENTS

Measurements for the experiment included both process and experimental instrumentation for the test section. To ensure the quality of the water, water chemistry measurements were also made. The process instrumentation included measurements of the main loop fluid temperature and pressure, surge tank pressure, and test section inlet line pipe temperatures for controlling heater tape on the inlet line. Experimental measurements included test section wall temperatures, hot patch temperatures, vapor temperatures in the test section, test section pressure, test section and hot patch voltage and current, and flow orifice pressure drop to determine test section flow rate. A complete list of measurements is given in Table E-1, including the instru-

ment identification number, a description of the instrument and its location, and the measurement uncertainty. Determination of the measurement uncertainties is discussed in Appendix F.

The water chemistry measurements were made whenever any additional water was added to the test loop makeup tank with the following chemical concentration required:

pH	9.0 - 10.5
Conductivity	1 - 60 μ ohms/cm
Oxygen	0.1 ppm maximum
Chloride	0.15 ppm maximum
Hydrazine	1.0 ppm minimum

Table E-1. Measurements list

Measurement Identification	Measurement Description and Location	Measurement Uncertainty
TE-TS-05	Test section wall temperature at 1.27-cm elevation	See Footnote a
TE-TS-1	Test section wall temperature at 2.54-cm elevation	See Footnote a
TE-TS-2	Test section wall temperature at 5.08-cm elevation	See Footnote a
TE-TS-3	Test section wall temperature at 7.62-cm elevation	See Footnote a
TE-TS-4	Test section wall temperature at 10.16-cm elevation	See Footnote a
TE-TS-438	Test section wall temperature at 11.13-cm elevation	See Footnote a
TE-TS-5	Test section wall temperature at 12.7-cm elevation	See Footnote a
TE-TS-6	Test section wall temperature at 15.24-cm elevation	See Footnote a
TE-TS-9	Test section wall temperature at 22.86-cm elevation	See Footnote a
TE-TS-12	Test section wall temperature at 30.48-cm elevation	See Footnote a
TE-TS-15	Test section wall temperature at 38.1-cm elevation	See Footnote a
TE-TS-18	Test section wall temperature at 45.72-cm elevation	See Footnote a
TE-TS-21	Test section wall temperature at 53.34-cm elevation	See Footnote a
TE-TS-24	Test section wall temperature at 60.96-cm elevation	See Footnote a

Table E-1. (continued)

<u>Measurement Identification</u>	<u>Measurement Description and Location</u>	<u>Measurement Uncertainty</u>
TE-TS-27	Test section wall temperature at 68.58-cm elevation	See Footnote a
TE-TS-30	Test section wall temperature at 76.2-cm elevation	See Footnote a
TE-TS-33	Test section wall temperature at 83.82-cm elevation	See Footnote a
TE-TS-36	Test section wall temperature at 91.44-cm elevation	See Footnote a
TE-TS-39	Test section wall temperature at 99.06-cm elevation	See Footnote a
TE-TS-42	Test section wall temperature at 106.68-cm elevation	See Footnote a
TE-TS-45	Test section wall temperature at 114.3-cm elevation	See Footnote a
TE-TS-47	Test section wall temperature at 119.38-cm elevation	See Footnote a
TE-TS-49	Test section wall temperature at 124.46-cm elevation	See Footnote a
TE-TS-51	Test section wall temperature at 129.54-cm elevation	See Footnote a
TE-TS-54	Test section wall temperature at 137.16-cm elevation	See Footnote a
TE-TS-57	Test section wall temperature at 144.78-cm elevation	See Footnote a
TE-TS-59	Test section wall temperature at 149.86-cm elevation	See Footnote a
TE-TS-61	Test section wall temperature at 154.94-cm elevation	See Footnote a
TE-TS-63	Test section wall temperature at 160.02-cm elevation	See Footnote a
TE-TS-66	Test section wall temperature at 167.64-cm elevation	See Footnote a
TE-TS-69	Test section wall temperature at 175.26-cm elevation	See Footnote a
TE-TS-71	Test section wall temperature at 180.34-cm elevation	See Footnote a
TE-TS-73	Test section wall temperature at 185.42-cm elevation	See Footnote a
TE-TS-75	Test section wall temperature at 190.5-cm elevation	See Footnote a
TE-TS-78	Test section wall temperature at 198.12-cm elevation	See Footnote a
TE-TS-795	Test section wall temperature at 201.93-cm elevation	See Footnote a
TE-TS-81	Test section wall temperature at 205.74-cm elevation	See Footnote a
TE-TS-835	Test section wall temperature at 212.09-cm elevation	See Footnote a

Table E-1. (continued)

Measurement Identification	Measurement Description and Location	Measurement Uncertainty
TE-LHP-1	Lower hot patch temperature adjacent to Inconel tube, 7.62 cm from upper edge of hot patch	See Footnote a
TE-LHP-2	Lower hot patch temperature adjacent to Inconel tube, 5.08 cm from upper edge of hot patch	See Footnote a
TE-LHP-3	Lower hot patch temperature adjacent to Inconel tube, 2.54 cm from upper edge of hot patch	See Footnote a
TE-LHP-4	Lower hot patch temperature adjacent to Inconel tube, 1.57 cm from upper edge of hot patch	See Footnote a
TE-LHPS-1	Lower hot patch temperature 1.905 cm radially and 2.54 cm depth from lower edge of hot patch	See Footnote a
TE-LHPS-2	Lower hot patch temperature 2.54 cm radially and 3.81 cm depth from lower edge of hot patch	See Footnote a
TE-UHPS	Upper hot patch temperature 1.905 cm radially and 3.81 cm depth from upper edge of hot patch	See Footnote a
TE-LHP-000	Temperature in ceramic plug adjacent to Inconel tube at lower end of lower hot patch, at a depth of 2.54 cm in the ceramic plug	See Footnote a
TE-LHP-050	Temperature in ceramic plug adjacent to Inconel tube at lower end of lower hot patch, at a depth of 2.413 cm in the ceramic plug	See Footnote a
TE-LHP-100	Temperature in ceramic plug adjacent to Inconel tube at lower end of lower hot patch, at a depth of 2.286 cm in the ceramic plug	See Footnote a
TE-FCV-1T	Fluid temperature 10 cm upstream of test section inlet flow control Valve FCV-1T	See Footnote a
TE-BUS	Temperature of bus bar on lower hot patch, 7.62 cm from TE-BUS-A	See Footnote a
TE-BUS-A	Temperature of bus bar near lower hot patch	See Footnote a
TE-LOOP	Fluid temperature upstream of flow orifices	See Footnote a
TE-V-1	Vapor temperature at 121.02-cm elevation in the test section	See Footnote a
TE-V-2	Vapor temperature at 152.4-cm elevation in the test section	See Footnote a

Table E-1. (continued)

Measurement Identification	Measurement Description and Location	Measurement Uncertainty
TE-V-3	Vapor temperature at 182.88-cm elevation in the test section	See Footnote a
TE-P-1	Inlet pipe temperature just upstream of inlet flow control Valve FCV-1T	See Footnote a
TE-P-2	Temperature of body of inlet Valve FCV-1T on upstream side	See Footnote a
TE-P-3	Pipe temperature between Valve FCV-1T and lower hot patch	See Footnote a
TE-P-4	Test section outlet pipe temperature about 45 cm downstream of outlet tee	See Footnote a
TE-P-5	Pipe temperature of 1.016-mm flow orifice inlet line	See Footnote a
TE-P-6	Pipe temperature of 2.464-mm flow orifice inlet line	See Footnote a
BF-TE-5	Pressure vessel fluid temperature in main loop	$[(1.1)^2 + (0.0031 T)^2]^{1/2}$ or $< 2.2 \text{ K}^b$
PE-3	Pressure vessel pressure in main loop	$[(0.655)^2 + (0.001 P)^2]^{1/2}$ or $< 0.0677 \text{ MPa}^c$
PE-TS-1	Test section inlet pressure at 3.81-cm elevation	$[(0.00343)^2 + (0.001 P)^2]^{1/2}$ or $< 0.00358 \text{ MPa}$
PE-TS-0	Test section outlet pressure at 209.55-cm elevation	$[(0.00348)^2 + (0.001 P)^2]^{1/2}$ or $< 0.00363 \text{ MPa}$
PE-SUR	Surge tank pressure	$[(0.0631)^2 + (0.001 P)^2]^{1/2}$ or $< 0.0654 \text{ MPa}$
PE-ORI	Absolute pressure upstream of flow orifices	$[(0.0623)^2 + (0.001 P)^2]^{1/2}$ or $< 0.0647 \text{ MPa}$
PE-N-1	Nitrogen supply tank pressure	$[(0.0619)^2 + (0.001 P)^2]^{1/2}$ or $< 0.0643 \text{ MPa}$
PDE-TS-1	Test section pressure drop	$[(0.498)^2 + (0.042 \Delta P)^2]^{1/2}$ or $< 1.16 \text{ kPa}^e$
PDE-0-1	Pressure drop across 2.464-mm flow orifice (12.45 kPa transducer)	$[(0.238)^2 + (0.042 \Delta P)^2]^{1/2}$ or $< 0.573 \text{ kPa}$

Table E-1. (continued)

Measurement Identification	Measurement Description and Location	Measurement Uncertainty
PDE-0-2	Pressure drop across 2.464-mm flow orifice (124.5 kPa transducer)	$[(2.39)^2 + (0.042 \Delta P)^2]^{1/2}$ or <5.75 kPa
PDE-0-3	Pressure drop across 2.464-mm flow orifice (689.5 kPa transducer)	$[(13.2)^2 + (0.042 \Delta P)^2]^{1/2}$ or <31.8 kPa
PDE-0-4	Pressure drop across 1.016-mm flow orifice (12.45 kPa transducer)	$[(0.24)^2 + (0.042 \Delta P)^2]^{1/2}$ or <0.573 kPa
PDE-0-5	Pressure drop across 1.016-mm flow orifice (124.5 kPa transducer)	$[(2.74)^2 + (0.042 \Delta P)^2]^{1/2}$ or <5.78 kPa
PDE-0-6	Pressure drop across 1.016-mm flow orifice (344.7 kPa transducer)	$[(6.61)^2 + (0.042 \Delta P)^2]^{1/2}$ or <15.9 kPa
TS-VOLT	Test section voltage drop across bus bars on lower and upper hot patches	0.0787 V
LHP-VOLTS	Voltage on cartridge heaters in lower hot patch	0.25 V
UHP-VOLTS	Voltage on cartridge heaters in upper hot patch	0.143 V
TS-AMPS	Test section current	1.69 A
LHP-AMPS	Current in lower hot patch cartridge heaters	0.585 A
UHP-AMPS	Current in upper hot patch cartridge heaters	0.585 A

- a. 2 K at 300 K, 3.3 K at 625 K, 4.6 K at 1075 K, and 5.4 K at 1300 K.
- b. Temperature (T) is in K.
- c. Pressure (P) is in MPa.
- d. Differential pressure (ΔP) is in kPa.
- e. See Section 2.3 of this Appendix.

The remainder of this appendix presents a detailed description of the process and experimental instruments used, including installation procedures and locations of the instruments. Process measurement locations are shown in Figures E-1 and E-2.

E-1. Temperature

This section describes the various process and experimental temperature measuring instruments and their installation. These include temperature

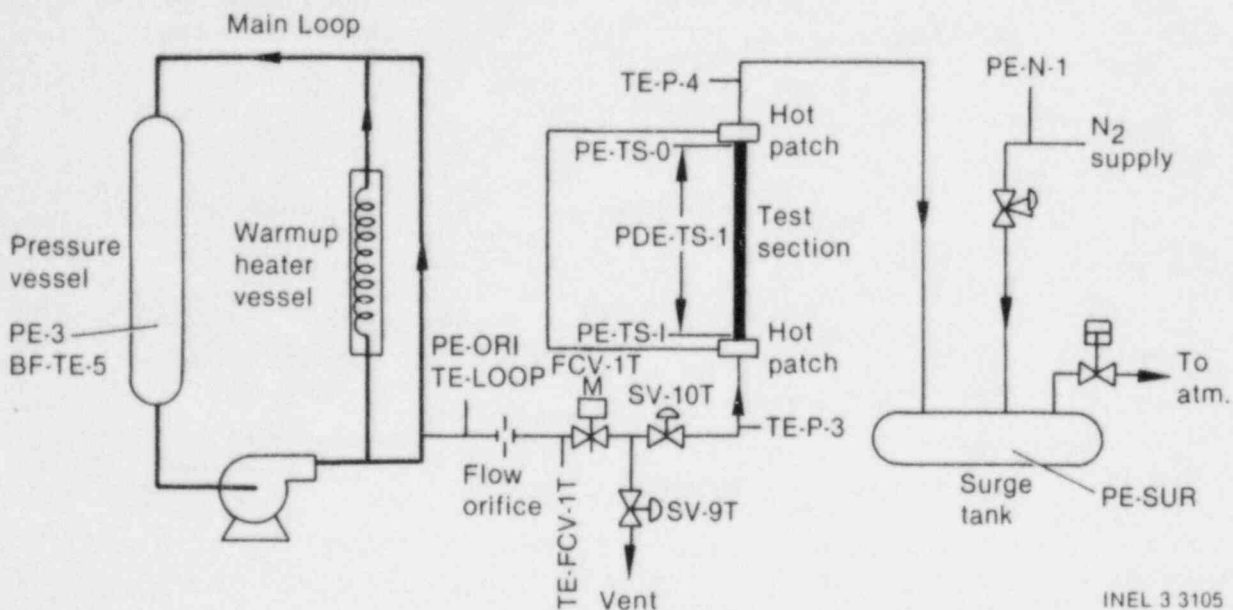


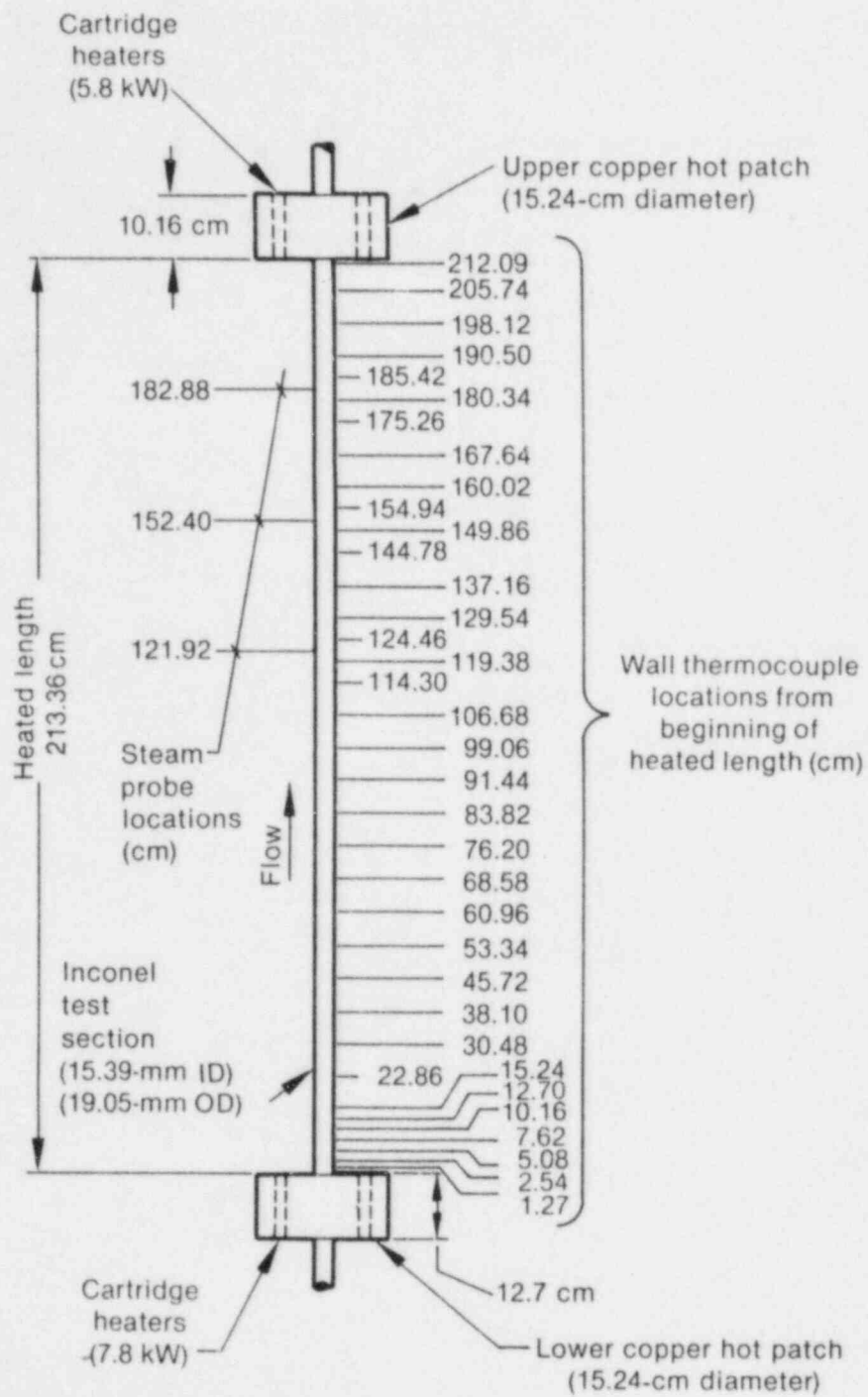
Figure E-1. Experiment loop and instrumentation diagram.

measurements of the test section wall, the superheated vapor in the test section, the hot patches, the inlet piping, and the fluid in the main loop and inlet pipe.

E-1.1 Test Section Wall Temperature. The test section wall temperature was measured at 38 different axial elevations over its heated length between the lower and upper hot patches. The measurement locations are shown in Figure E-2. Inconel sheathed, Type-K, ungrounded thermocouples, with an outer diameter of 1.016 mm, were used. The tip of each thermocouple was slightly flattened and laser welded to the outer surface of the test section with a very small bead. The small bead provided good thermal contact with the test section and minimized local variations in test section electrical resistance and heat flux. Each thermocouple was wrapped 180 degrees around the test section circumference to minimize conduction heat losses from the thermocouple. This wrap around the test section was done at a slight vertical angle, to allow placing a clamp over the thermocouple for mechanical support so that the laser weld would not break. To avoid electrical current flow axially through the thermocouple or clamp, a thin layer of fiberfrax insulation was installed between the thermocouple and the test section; and a thicker layer was installed between the clamp and the test section. To prevent shorting of the test section, each thermocouple sheath was electrically isolated. A photograph of an installed test section wall thermocouple is shown in Figure E-3.

Installation of replacements of failed thermocouples was the same as described above, except that the junctions were clamped tightly against the test section wall rather than being laser welded. This had no noticeable effect on the measured wall temperatures. A description of the replaced thermocouples is given in Appendix F.

E-1.2 Vapor Temperature. Vapor superheat measurements were made at the 121.92-cm (TE-V-1), 152.4-cm (TE-V-2), and 182.88-cm (TE-V-3) elevations in the test section, as shown in Figure E-2. A double-aspirated steam probe, as developed by Nijhawan,^{E-1,E-2} was used. The measurement concept, shown conceptually in Figure E-4, utilized (a) inertial separation of liquid droplets from the sampled vapor, (b) differential aspiration of the separated phases to minimize probe quench by liquid, and (c) multiple radiation shielding of the thermocouple junction to minimize radiation heat transfer from the neighboring hot walls. The probe assembly was inserted into the two-phase flow in such a way that the sampled mixture had to traverse through a 180-degree change of direction and then a second 90-degree change of direction before passing over the thermocouple junction. These directional changes provided the inertial shielding for separation of liquid drops from the vapor. Due to the small linear dimensions involved, residence time of the sample vapor and liquid mixture within the probe was minimal, thus preventing any significant equilibration between the phase temperatures before the vapor passed over



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Figure E-2. Test section geometry and instrument locations.

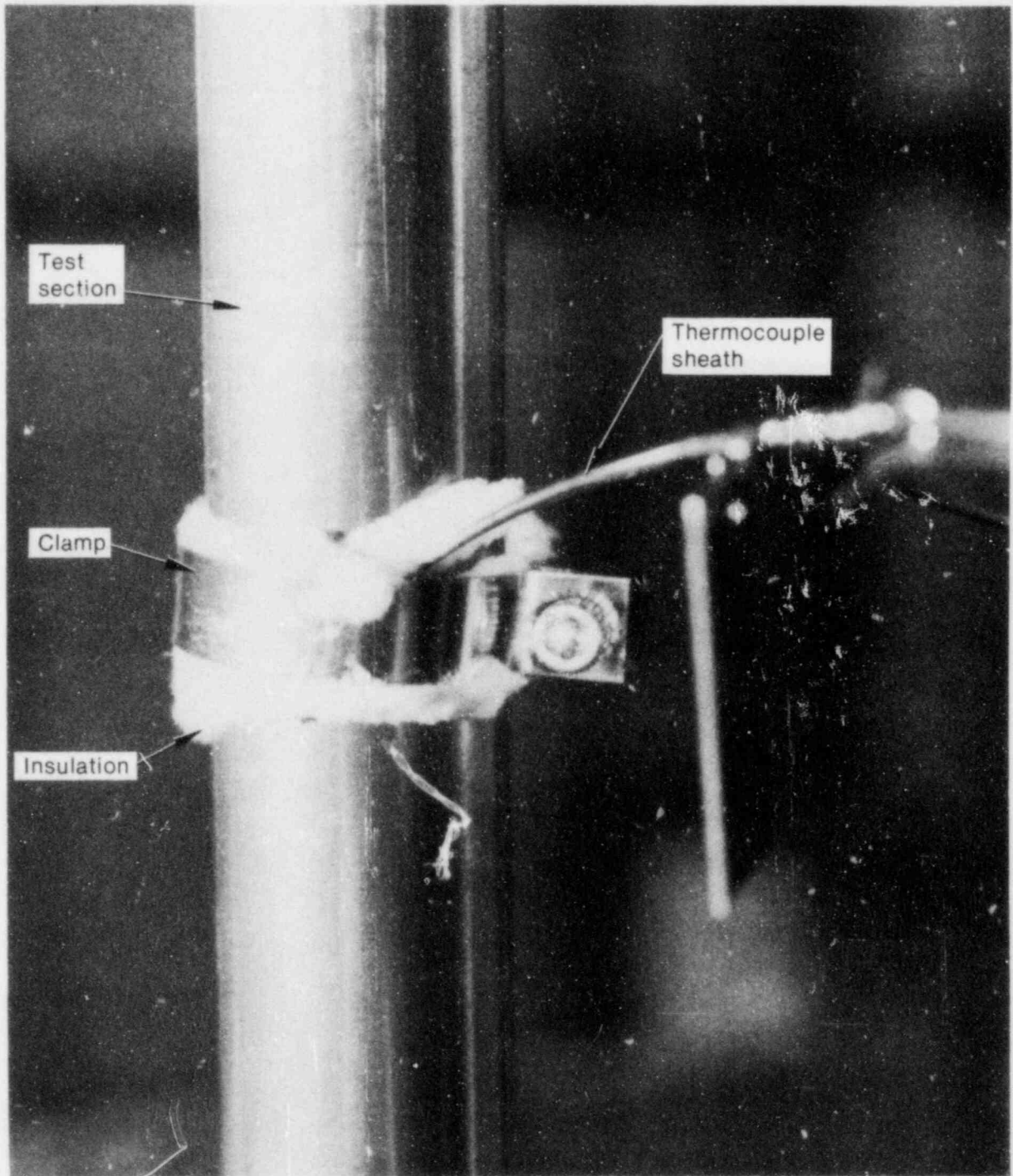


Figure E-3. Test section wall thermocouple installation.

the thermocouple junction. Liquid drops which were drawn into the probe were collected and drawn off, to the extent possible, by aspiration through the annular space, ideally producing liquid-free vapor to be aspirated through the inner tube and past the sensing thermocouple junction. Aspiration of the inner tube also provided a means of removing those liquid drops that had not been prevented from entering the tube. The double tube arrangement also provided radiation shielding. For this design, the error caused by radiation from hot walls at operating conditions was calculated to be less than 2 K.

To assemble the probe, the outer tube was inserted into a hole in the test section wall and laser welded in place, as shown in Figures E-4 and E-5. The inner tube was then placed inside the outer tube, and the assembly and vent lines were connected with Swagelok fittings, as shown in Fig-

ure E-5. A Type-K, 0.25-mm-diameter micro-thermocouple was within the inner of the two concentric tubes, as shown in Figure E-4. Access holes to the outer and inner tubes were drilled at displacements of 90 degrees, as indicated in Figure E-4, and one end of each tube was closed. The outer diameters of the tubes were 3.175 and 1.588 mm, with a wall thickness of 0.381 mm. The thermocouple wire extended from the inner tube to its connector through a brazed joint.

Remote, motor-controlled micrometering valves were used to provide fine control of the differential aspiration between the inner tube and outer annulus. A photograph of the valve configuration is shown in Figure E-6. A potentiometer was used to monitor the number of turns each valve was open, with the signal being displayed on a meter in the control room. The downstream side of the micrometering valves was vented to atmosphere,

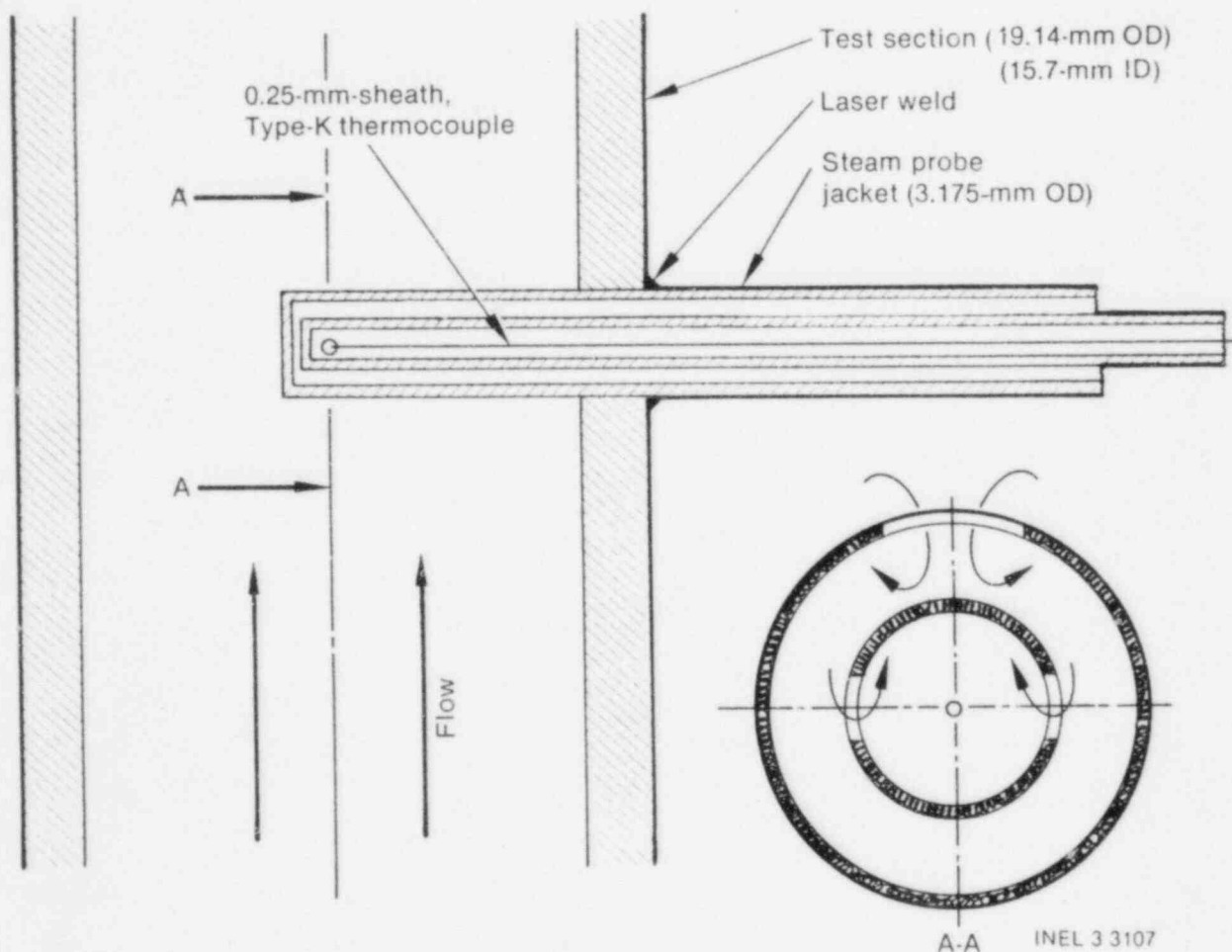


Figure E-4. Vapor probe design.

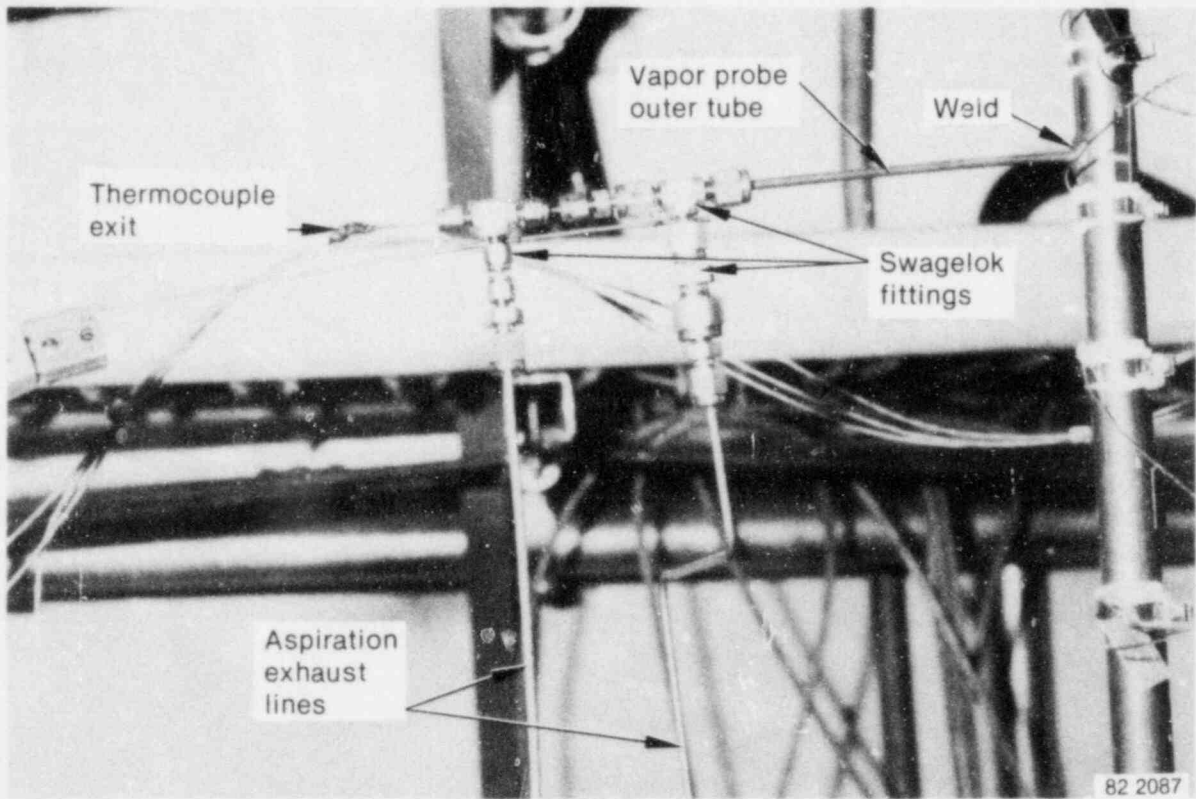


Figure E-5. Vapor probe installation.

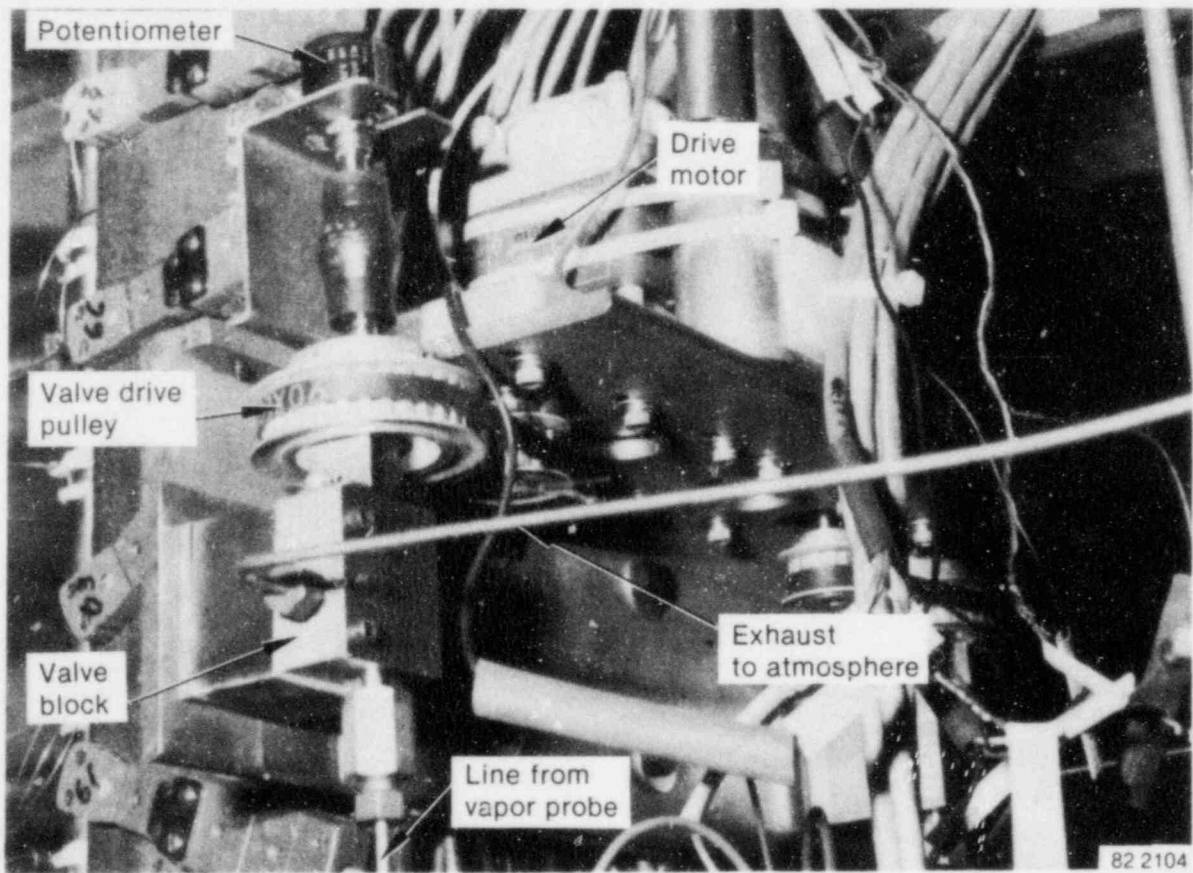


Figure E-6. Aspiration line valves.

resulting in critical flow through the valves for most of the test runs. For the high pressure experiments at 3.5 and 7 MPa, the micrometering valves were just "cracked" open to keep the flow rate out the vapor probes very small, compared to the flow rate in the test section.

Due to the high fluid qualities and resulting high void fractions typical of these test runs, very few rewets were observed on any of the three vapor probes during the steady-state runs. Figure E-7 shows a typical rewet and recovery of the first probe (TE-V-1) during Test Run 20. Figure E-8 shows an example of a sustained quench, followed by recovery, of the first probe (TE-V-1) during Run 19. The recoveries were obtained by varying the flow rates in the two aspiration lines to remove liquid droplets at the thermocouple junction.

During the quasi-steady-state (slowly moving quench front) test runs, frequent quenches and recoveries of the vapor probes were noted. This was due to the lower quality, higher flow rate conditions, as well as to the quench front in the test section approaching the vapor probes. The vapor probes tended to quench and remain quenched at mass fluxes above about $100 \text{ kg/m}^2\cdot\text{s}$, possibly due

to increased liquid droplet entrainment. A typical vapor temperature measurement for a quasi-steady-state test run is shown in Figure E-9. The decreasing vapor temperature and more frequent quenches with time are directly related to the distance of the probe from the moving quench front.

When the heated length of the test section was changed to 132.1 cm following Run 189 (see Section 3.2 of the main text), only the first vapor probe at the 121.92-cm elevation was used, since the other two probes were now above the heated length of the test section. The upper two vapor probe aspiration lines were plugged for Runs 190 through 247.

To reduce heat losses from the test section and prevent liquid from condensing and collecting in the aspiration lines, the vapor probes and aspiration lines to the micrometering valves were heavily insulated with fiberfrax insulation. See Appendix I for further discussion of heat losses at the vapor probe locations.

E-1.3 Hot Patches. Temperatures of the lower and upper hot patches were measured at various locations. Two Type-K thermocouples (TE-UHP-S)

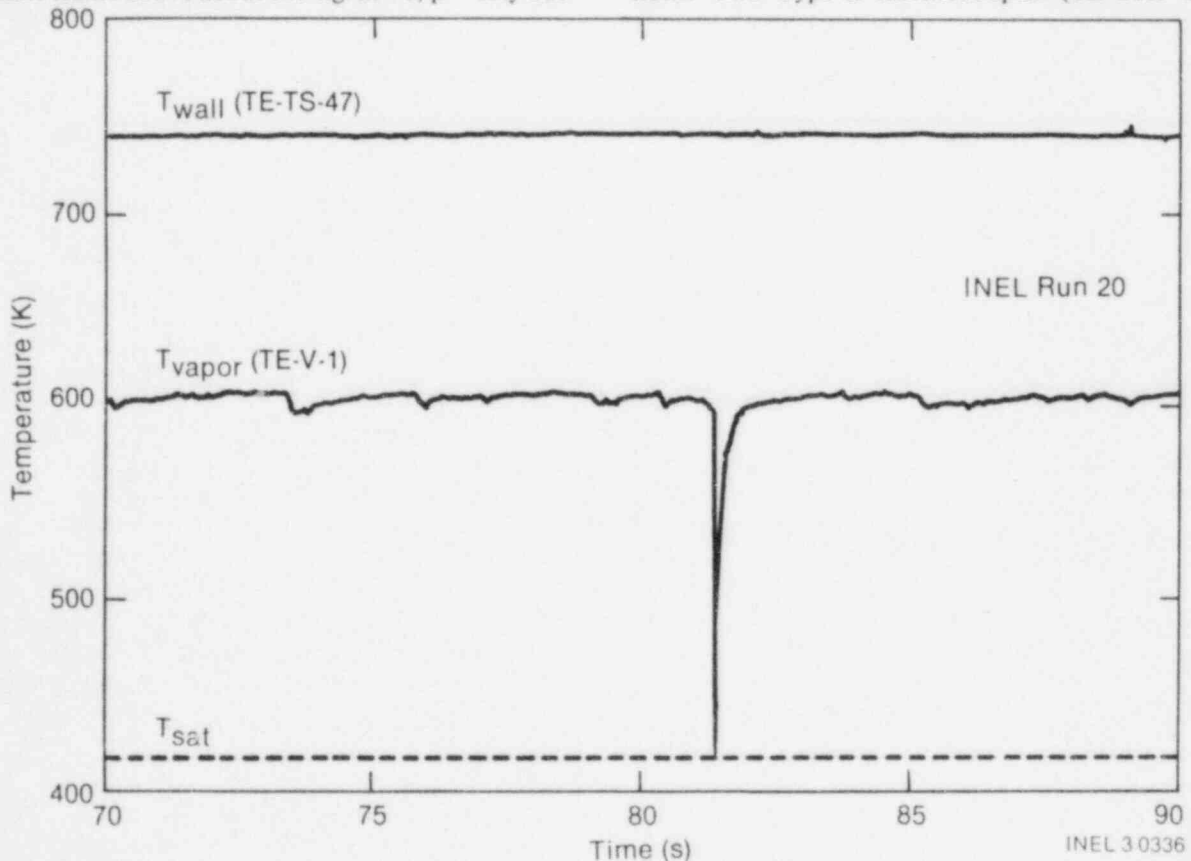


Figure E-7. Vapor probe measurement for Test Run 20.

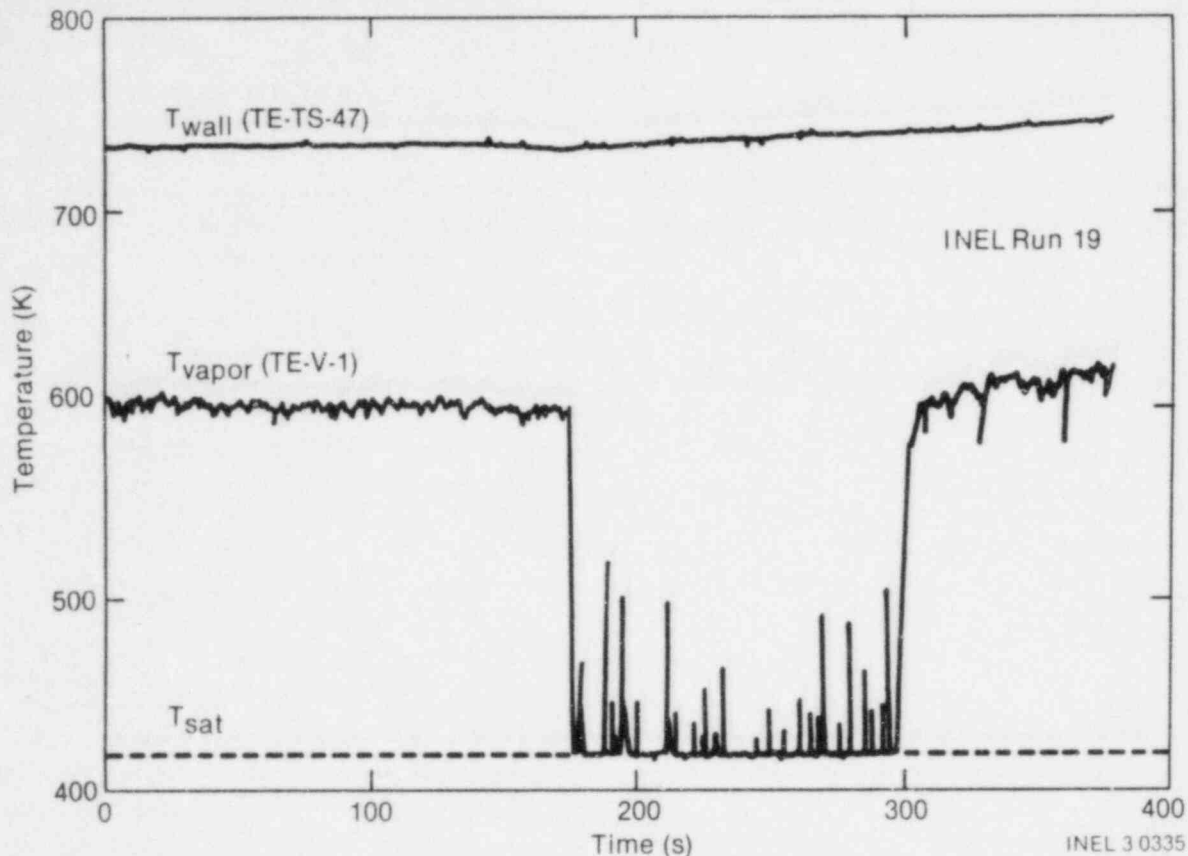


Figure E-8. Vapor probe measurement for Test Run 19.

were embedded at the same location in the upper hot patch, as shown in Figure E-10 (one for redundancy). The signal was sent to the microprocessor for control of the hot patch temperature. The thermocouples were located at a depth of 3.81 cm (from the upper surface) into the hot patch and 1.905 cm radially from the center of the hot patch (0.953 cm from the outer diameter of the test section Inconel tube in the hot patch).

Similar dual thermocouples were embedded at two different locations in the lower hot patch (TE-LHPS-1 and TE-LHPS-2), as shown in Figure E-11. They were used to measure the radial temperature gradient in the lower hot patch, as well as being available for process control. The locations of these thermocouples were (a) at a depth of 2.54 cm up from the lower edge of the lower hot patch and 1.905 cm radially from the center of the hot patch (TE-LHPS-1) and (b) at a depth of 3.81 cm up from the lower edge of the lower hot patch and 2.54 cm radially from the center of the hot patch (TE-LHPS-2). These thermocouple locations were separated 127.5 degrees azimuthally.

Also, four Inconel-sheathed Type-K thermocouples, with 1.016-mm OD, were installed in individual slots in the lower hot patch adjacent to

the Inconel tube. The purpose of these thermocouples was to measure, as closely as possible, the temperature of the Inconel tube at various elevations, to verify that a quench front was not in the lower hot patch or to determine its approximate position if it were. These four thermocouples were located 90 degrees apart azimuthally and were brazed into position at the same time the lower hot patch was brazed to the Inconel tube. The axial elevations of these thermocouples, measuring down from the test section inlet, were (see Figure E-12) 1.27 cm (TE-LHP-4), 2.54 cm (TE-LHP-3), 5.08 cm (TE-LHP-2), and 7.62 cm (TE-LHP-1). The signal from TE-LHP-3 was sent to the microprocessor for control of the lower hot patch temperature. Due to the existence of a poor braze between the copper hot patch and the Inconel tube, the four thermocouples in the slots were in much better contact with the copper than with the Inconel tube and, therefore, basically measured the temperature of the copper hot patch and did not give an accurate indication of the location of a quench front in the lower hot patch, if there had been one.

E-1.4 Inlet and Outlet Piping. To eliminate the effect of heat losses on the fluid, the incoming fluid was maintained at a constant temperature by installing several different segments of heater tape on the

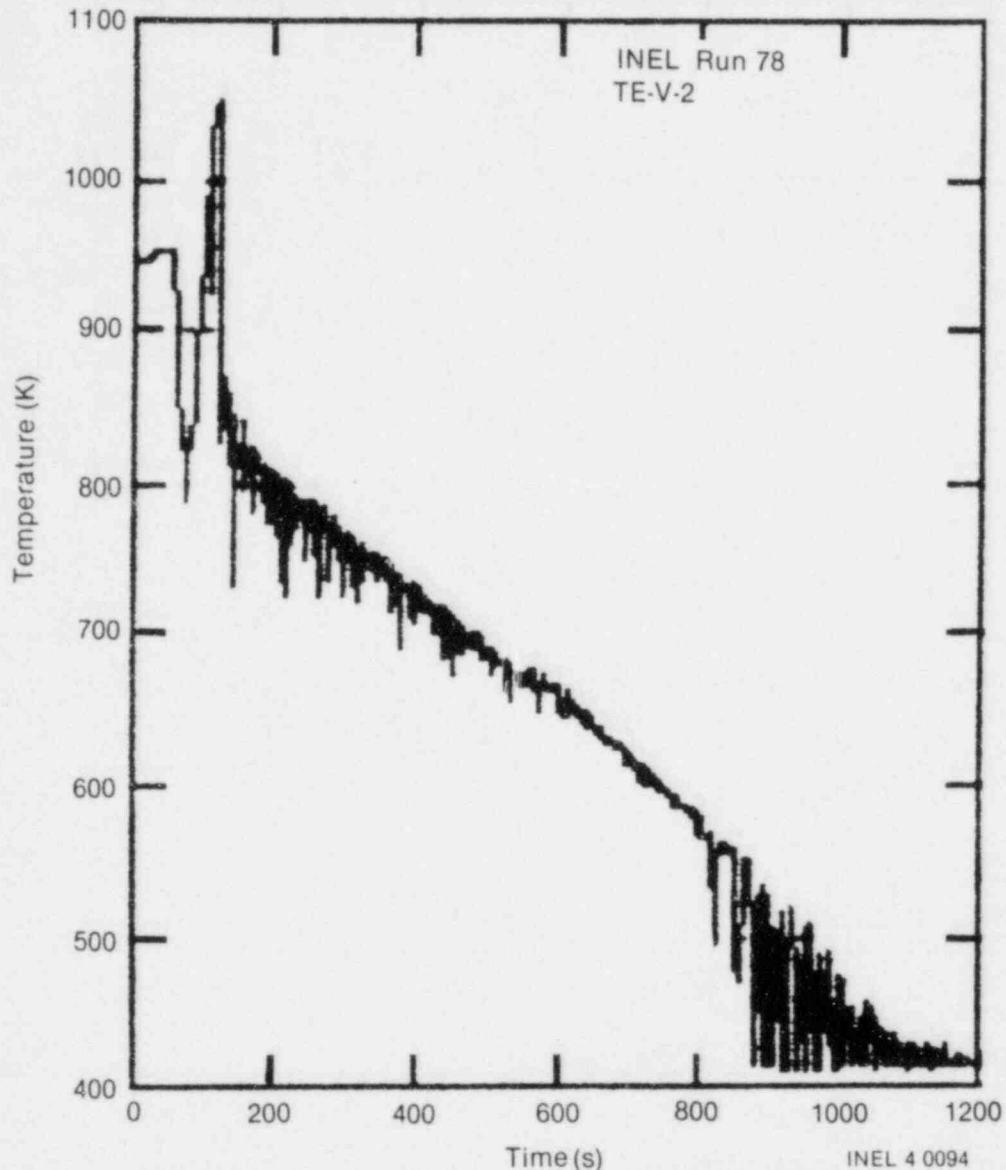


Figure E-9. Vapor probe measurement for Test Run 78.

inlet piping from the main loop to the lower hot patch. Several thermocouples were also installed on the inlet piping to aid in controlling the power on the independent segments of heater tape. The locations of these thermocouples are shown schematically in Figure E-2. Thermocouple TE-P-1 was located about 10 cm upstream of flow control Valve FCV-1T. Thermocouple TE-P-2 was mounted directly on the upstream side of the body of Valve FCV-1T. Thermocouples TE-P-5 and TE-P-6 were located on the two parallel inlet lines from the main loop containing the two different flow orifices. The heater tape corresponding to each of these inlet pipe thermocouples (TE-P-1, -2, -5, and -6) was set to maintain the inlet piping at the desired temperature

of the fluid entering Valve FCV-1T for a given test run. Thermocouple TE-P-3 was located on the inlet pipe between Valve FCV-1T and the lower hot patch. To eliminate heat transfer between the fluid and the pipe from the flow control valve to the lower hot patch, the heater tape on this pipe was set to maintain the pipe at the saturation temperature corresponding to the test section pressure. All of the inlet piping and valves were heavily covered with fiberfrax insulation.

Thermocouple TE-P-4 was located on the test section outlet pipe about 0.3 m downstream of the outlet tee above the upper hot patch. This thermocouple aided the control of the heater tape located

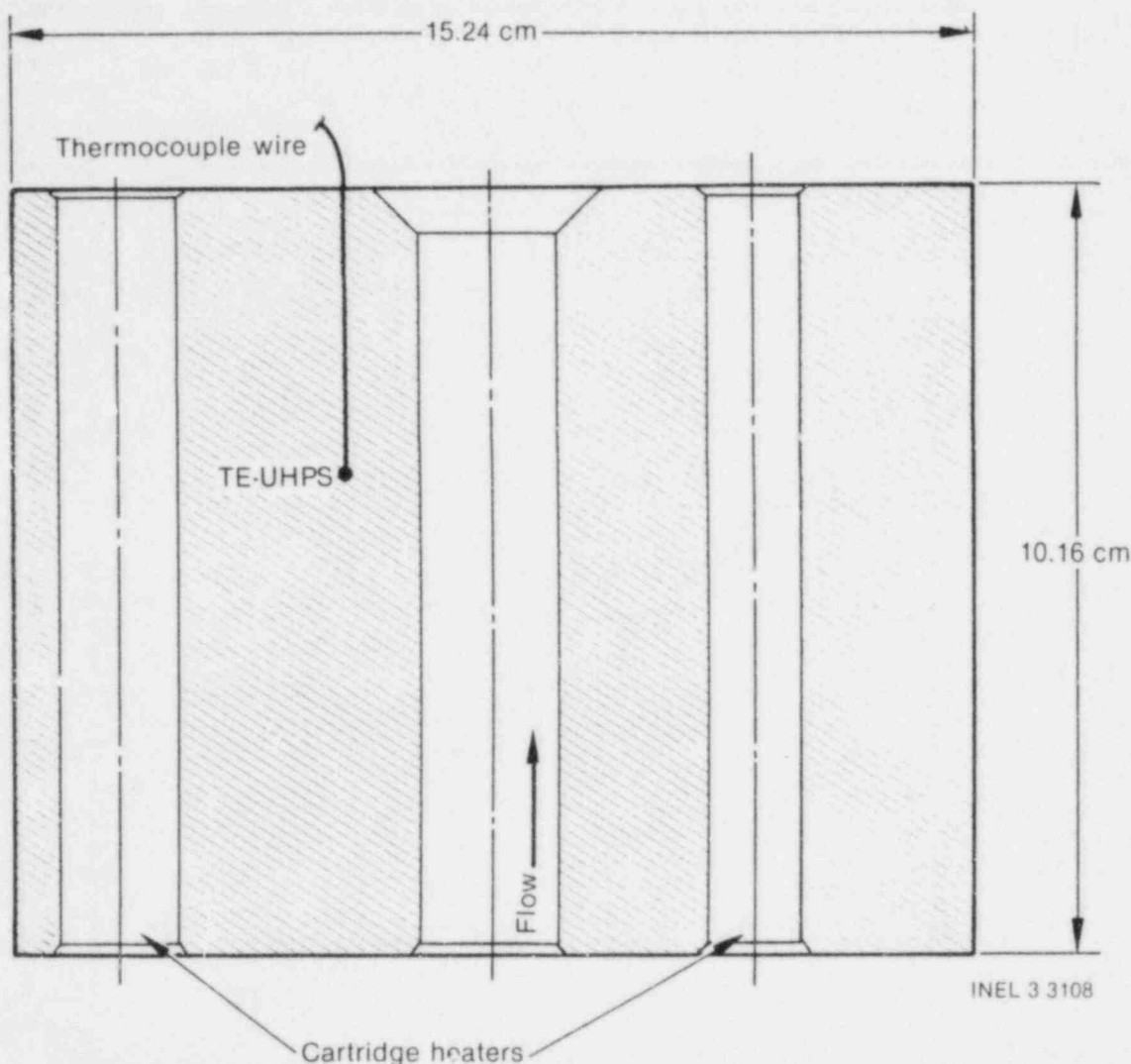


Figure E-10. Upper hot patch thermocouple locations.

on the outlet piping and tee. In an effort to prevent condensation from forming and liquid from draining back into the test section, the set point on the controller for TE-P-4 was 800 K for all test runs.

E-1.5 Fluid Temperatures. A resistance thermometer (BF-TE-5 in Figure E-1) measured the main loop fluid temperature in the pressure vessel. This was done in order to prevent overheating of the main loop and to set the desired loop temperature for a given test run.

A grounded Type-K thermocouple (TE-LOOP in Figure E-1) measured the fluid temperature downstream of the tee, where main loop fluid was diverted to the test section, and just upstream of the tee to the two parallel inlet lines containing the flow orifices. This fluid temperature measurement

was used to determine the density of the subcooled fluid for calculating test section flow rate.

To accurately measure the subcooled inlet fluid temperature just prior to flashing across the flow control valve, an exposed-junction Type-K thermocouple (TE-FCV-1T in Figure E-1) was located about 10 cm upstream of flow control Valve FCV-1T. This measurement was used to determine the enthalpy of the fluid to calculate test section inlet quality.

E-2. Pressure

E-2.1 Main Loop. The absolute pressure in the main loop (PE-3 in Figure E-1) was used for process control to prevent overpressurization and to ensure

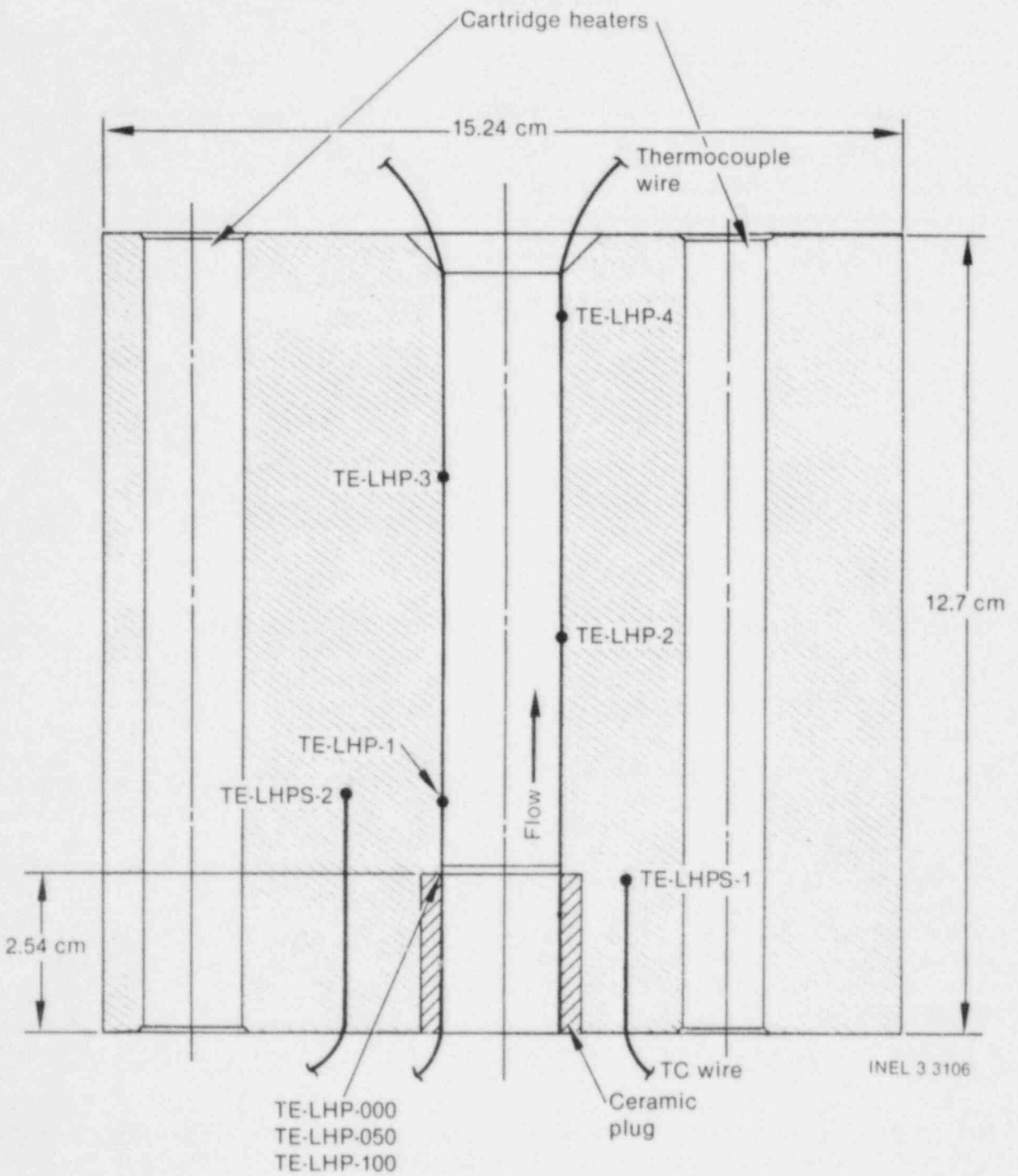


Figure E-11. Lower hot patch thermocouple locations.

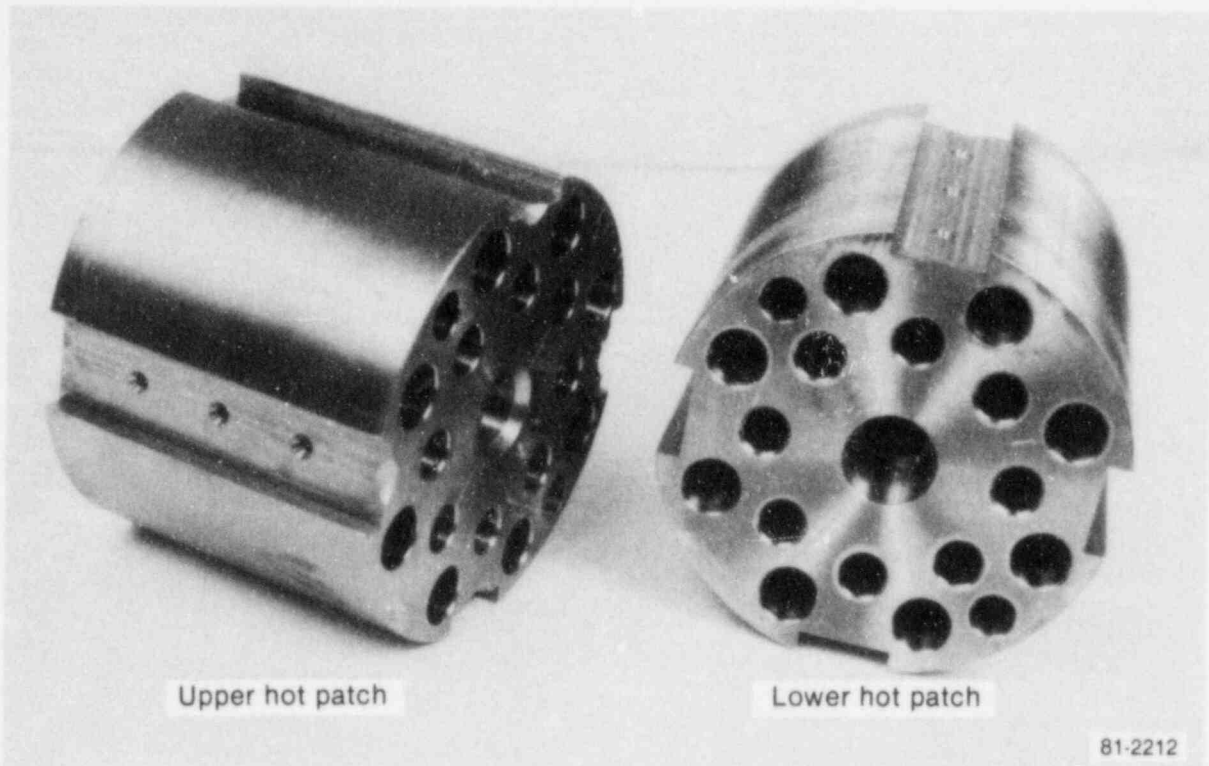


Figure E-12. Lower and upper hot patch machined parts.

that the fluid was subcooled in the main loop and inlet pipe, up to flow control Valve FCV-1T. Absolute pressure was measured at the flow orifices (PE-ORI in Figure E-1) in order to determine fluid density.

E-2.2 Test Section. Absolute pressure was measured at the inlet (PE-TS-I in Figure E-1) and outlet (PE-TS-O) of the test section. The pressure taps (3.175-mm-diameter tubing) were laser welded onto the heated length of the test section, 3.81 cm from both the lower and upper hot patches (see Figures E-13 and E-14), and were electrically isolated to prevent shorting the test section. Absolute pressure was also measured at the surge tank (PE-SUR in Figure E-1).

E-2.3 Test Section Pressure Drop. The pressure drop across the heated length of the test section (PDE-TS-1 in Figure E-1) was measured, using the same pressure taps as for the absolute pressure measurements. However, little confidence should be placed in this measurement due to inconsistent filling of the pressure lines with water.

E-3. Test Section Flow Rate

The flow rate in the test section was determined by measuring the subcooled fluid pressure drop

across an orifice upstream of the test section inlet flow control valve (FCV-1T). Two parallel inlet lines (see Figures E-2 and E-15) were used, one with a 1.016-mm-diameter orifice and the other with a 2.464-mm-diameter orifice. Flow was directed through either line, depending on the desired flow rate for a given test run. Each orifice had three transducers with different differential pressure ranges, which provided for a large range of flow rate measurements. The ranges of the transducers are listed below.

Small Orifice	Large Orifice
12.45 kPa (PDE-0-4)	12.45 kPa (PDE-0-1)
124.5 kPa (PDE-0-5)	124.5 kPa (PDE-0-2)
344.7 kPa (PDE-0-6)	689.5 kPa (PDE-0-3)

Each orifice was calibrated over a large range of Reynolds numbers. Based on curve fits to the calibration data, the following algorithm was used to calculate flow rate:

$$\dot{m} = \text{COEF} \sqrt{\rho \Delta P} \tag{E-1}$$

where \dot{m} is the flow rate (kg/s), ΔP is the orifice pressure drop (kPa), and ρ is the calculated fluid density (kg/m³) using fluid temperature TE-LOOP

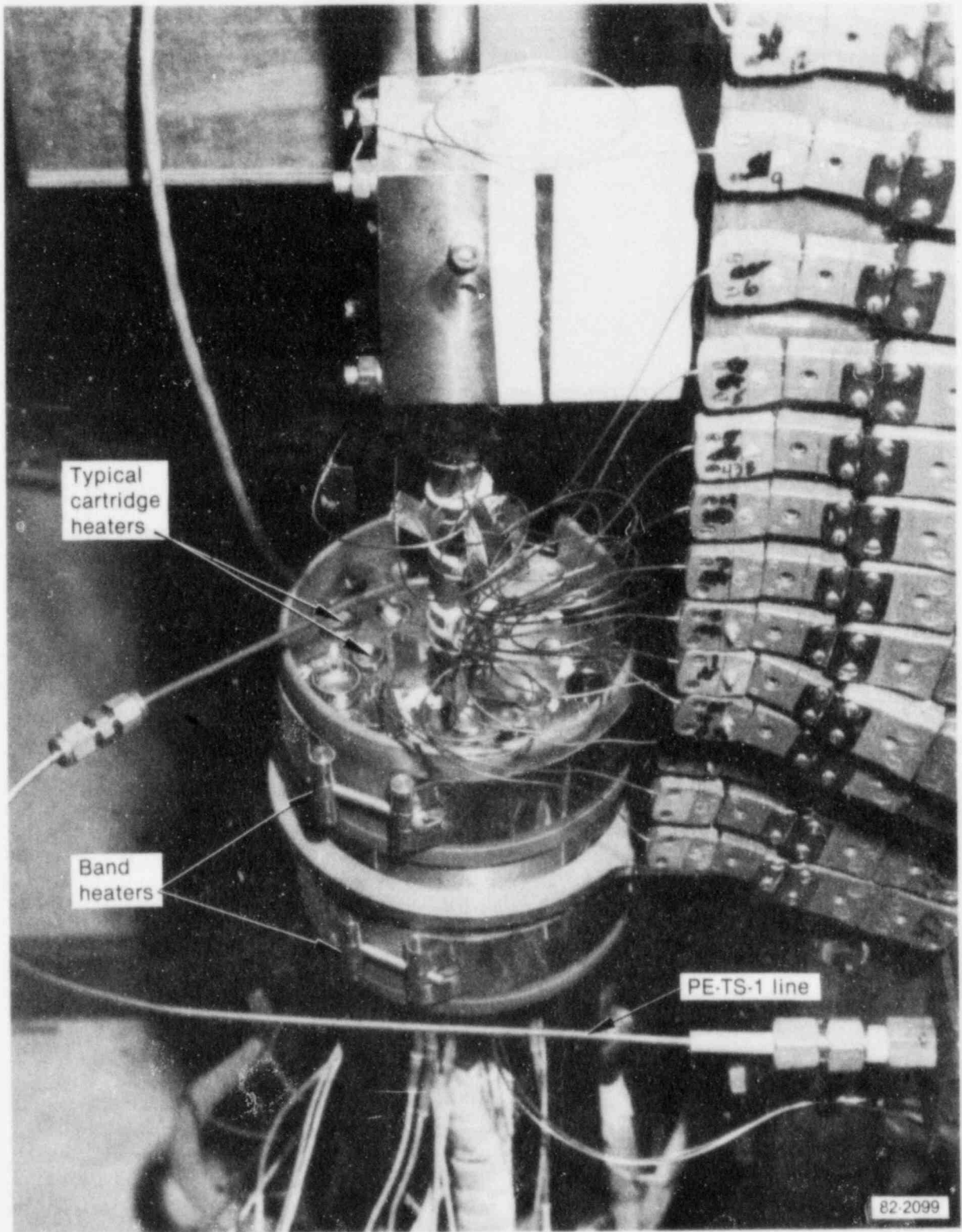


Figure E-13. Lower hot patch.

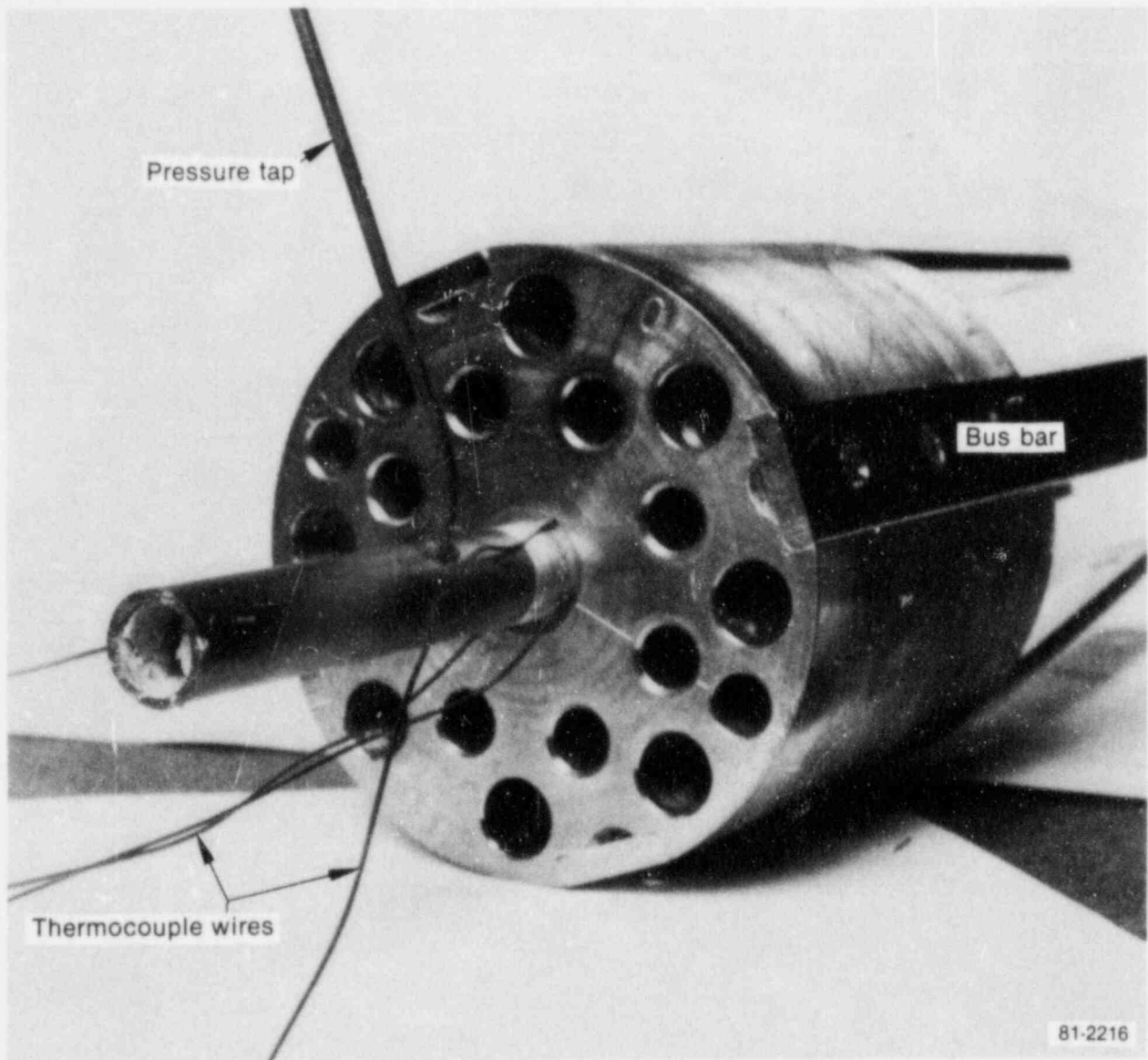


Figure E-14. Lower hot patch with bus bars.

and pressure PE-ORI. The calibration coefficients, COEF, for the different pressure transducers were:

Measurement	Coefficient, COEF
PDE-0-1	1.453×10^{-4}
PDE-0-2	1.441×10^{-4}
PDE-0-3	1.419×10^{-4}
PDE-0-4	2.400×10^{-5}
PDE-0-5	2.436×10^{-5}
PDE-0-6	2.360×10^{-5}

E-4. Test Section Voltage

A voltage divider was used to measure test section voltage across the bus bars. The hot voltage lead was attached to the bus bars brazed to the upper hot patch. The voltage divider leads were attached to a clamp holding the cable leads and bolted to the lower and upper hot patch bus bars. The electrical resistance measurement from the clamp to the bus bar was 0.001 ohms. This can be compared to the resistance across the heated length of the test section of 0.028 to 0.031 ohms, depending on temperature. In the data reduction program, the measured voltage drop was corrected for this clamp-to-bus bar resistance in order to obtain the voltage drop across the heated length of the test section.

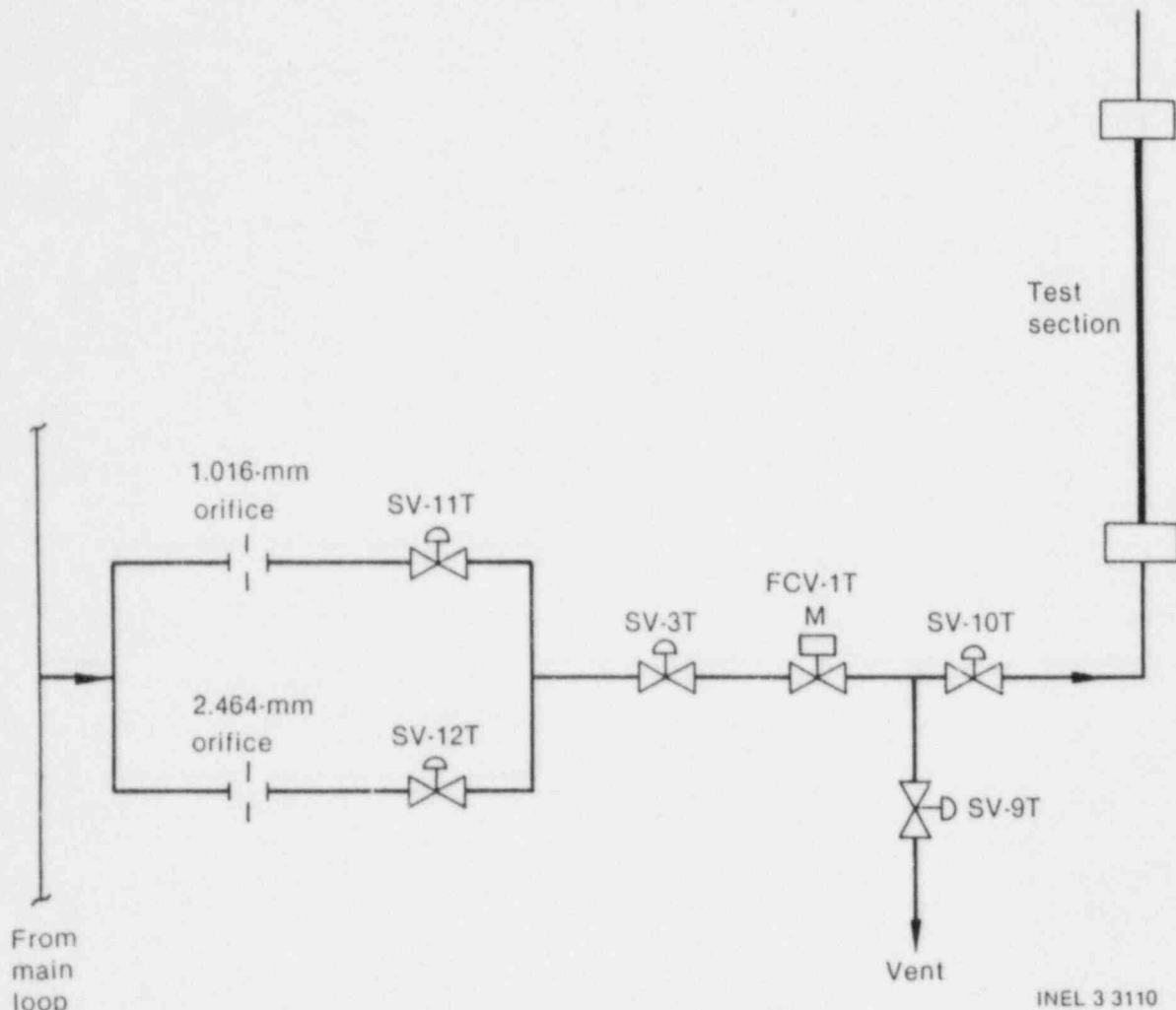


Figure E-15. Revised inlet piping configuration diagram.

E-5. Test Section Current

The test section current was measured by a shunt (a low-resistance, high-current resistor) placed in series with the test section next to the power supply.

The shunt voltage taps were connected to the data acquisition system. The shunt was initially calibrated over the full range of current capacity from the power supply (0 to 1300 A).

References

- E-1. W. M. Nijhawan, "Experimental Investigation of Thermal Nonequilibrium in Post-Dryout Steam-Water Flow," Ph.D. Dissertation, Lehigh University, 1980.
- E-2. S. M. Nijhawan et al., "Measurement of Vapor Superheat in Post-Critical-Heat-Flux Boiling," *Journal of Heat Transfer*, 102, 1980, pp. 465-470.

APPENDIX F
MEASUREMENT AND REPORTED PARAMETER UNCERTAINTIES

APPENDIX F

MEASUREMENT AND REPORTED PARAMETER UNCERTAINTIES^a

Uncertainties have been estimated for each type of measurement taken during the post-CHF experiments. The results are listed in Appendix E, Table E-1. The methodology used in estimating these uncertainties is that used in the LOFT program.^{F-1} The uncertainty is defined so that 0.95 is the probability that the error in any randomly selected measurement result will be less than the uncertainty. The individual uncertainty estimates are discussed in the following paragraphs.

F-1. Data Acquisition and Recording

The digital data acquisition and recording system used during the post-CHF experiments is the same type as that used in the Loss-of-Fluid Test (LOFT) facility. The LOFT uncertainty analyses^{F-2} are directly applicable. The uncertainty is estimated to be 0.13% of the range for each channel. This uncertainty component is combined, using the root-sum-square approximation, with the various individual instrument uncertainties in order to obtain the overall measurement uncertainties. This is described in the following paragraphs.

F-2. Thermocouples

The thermocouples were all Type-K, metal-sheathed, and mineral-insulated, and were built at EG&G Idaho. All thermocouples had ungrounded junctions except TE-LOOP, which was a grounded thermocouple, and TE-FCV-1T, which was an exposed-junction thermocouple. They were used with a Validyne 339 K (150°F) reference junction system. Since the thermocouples, reference junctions, and the acquisition system are all the same as those used in the LOFT system, most of the LOFT temperature measurement uncertainty analysis^{F-3} is directly applicable here. The two significant differences are that the present thermocouples were made from wire with special tolerance limits (the larger of 1.11 K or $0.00375 [T - 255 \text{ K}]$, where T is the temperature in Kelvin), and there is no significant radiation in the system discussed in this report. More detailed discussions and justifications of the following uncertainty estimates are contained in Reference F-3.

The uncertainty contribution associated with variations in the physical or chemical properties of the new thermocouple wire is taken to be equal to the tolerance limit already stated. The gradual calibration change associated with aging gave an uncertainty component estimated to be less than $0.002 [T - 339 \text{ K}]$; this drift component is quite small, because the thermocouples did not have much aging time at high temperatures. The uncertainty due to the short-range-ordering effect is less than 3 K, as described in Reference F-3. The uncertainty contribution from the data acquisition system is about 1.6 K. Uncertainties associated with stray signal pickup, reference junction temperature errors, and cold working are less than 1 K.

The test section was heated by an electrical current that flows through the test section itself. This may result in two separate, but for practical purposes, indistinguishable errors in the readings from those thermocouples mounted on or close to the test section; i.e., magnetic fields caused by the heating current and the leakage of a small part of the heating current through imperfect thermocouple insulators may both result in erroneous readings. The magnetic field effects could, in principle, be predicted from theory; but the current leakage effects are not predictable, because detailed knowledge of the insulator properties is lacking. However, the combined magnitude of the two effects was determined experimentally by simply shutting off the heating current briefly and observing the changes in the thermocouple readings (see Appendix C). This observed change was then used as a correction to the experiment data. Thus, as long as the thermocouple properties did not change during an experiment, the effects of the heating current were removed from the data and did not contribute to the uncertainty.

a. See Acknowledgments section of main text.

The total uncertainty is a gradually increasing function of temperature; it is about 2 K at 300 K, 3.3 K at 625 K, 4.6 K at 1075 K, and 5.4 K at 1300 K. The uncertainty of each contributing factor, as well as the total uncertainty, are plotted as a function of temperature in Figure F-1.

In addition to this uncertainty, there are two mean (bias) error components. The first of these is associated with the polynomial approximation to the correct thermocouple calibration, and the second is associated with short-range ordering. For temperatures between 400 and 1300 K, the estimated mean error is between -2 and -3.5 K. These mean errors are estimated values of the correct temperature minus the measurement result; the mean error should be added to the raw measurement result to obtain an unbiased estimate of the correct value. The mean error is (in principle) knowable and predictable, whereas the uncertainty is (in an intuitive sense) a 95% confidence limit on the magnitude of a random, unpredictable error. The contributing mean errors and the total mean error are plotted as a function of temperature in Figure F-2.

For the vapor probe measurements, there is an additional uncertainty in the measurement due to random fluctuations in the reading. These fluctuations may be due to the turbulent nature of the flow, operation of the vapor probe, or the influence of liquid droplets in the flow. An upper bound estimate of this uncertainty is ± 15 K for the steady-state (fixed quench front) experiments and ± 25 K for the quasi-steady-state (moving quench front) experiments.

F-3. Resistance Thermometer

The resistance thermometer, instrument BF-TE-5 (see Figure F-3), is expected to have essentially the same errors and uncertainty as the LOFT resistance thermometer.^{F-3} The estimated uncertainty is not more than $[(1.1)^2 + (0.0031 T)^2]^{1/2}$, where T is the temperature in Kelvin. This gives a worst-case uncertainty of 2.2 K at the high end of the measurement range, 625 K.

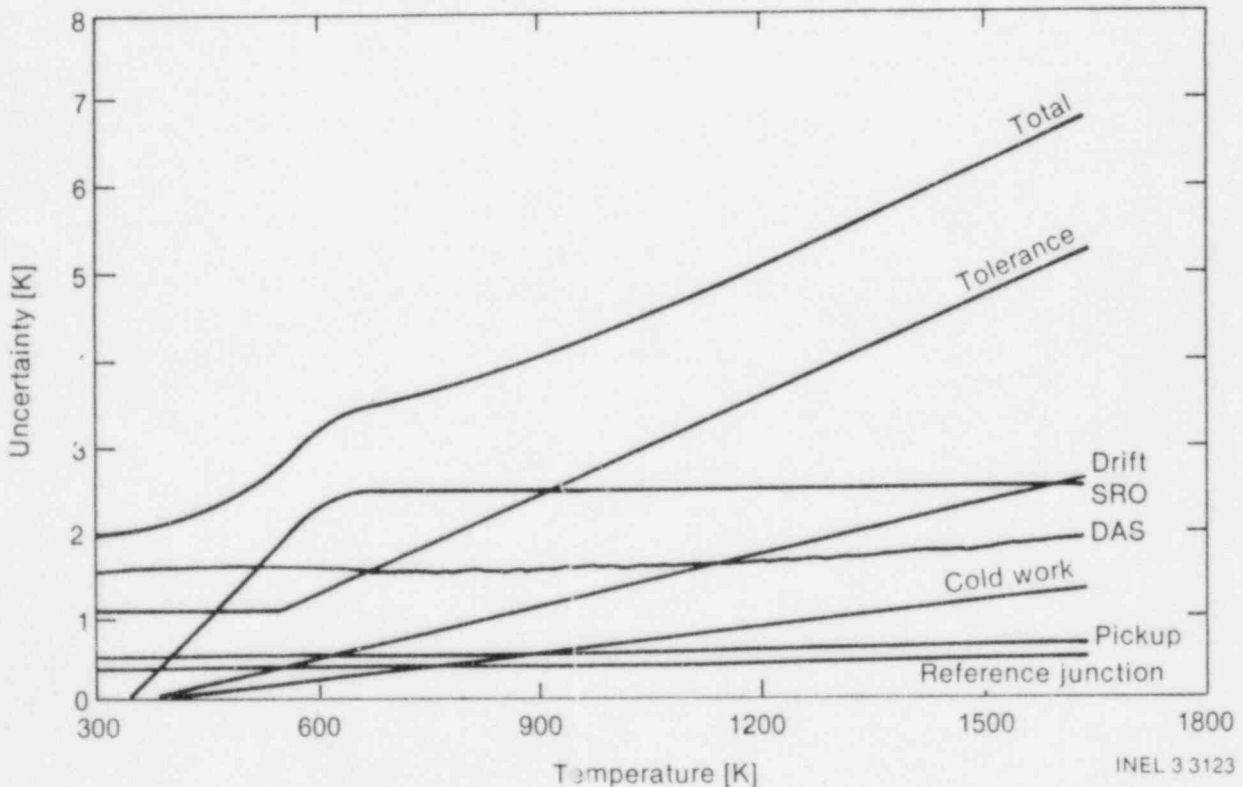


Figure F-1. Thermocouple measurement uncertainty versus temperature.

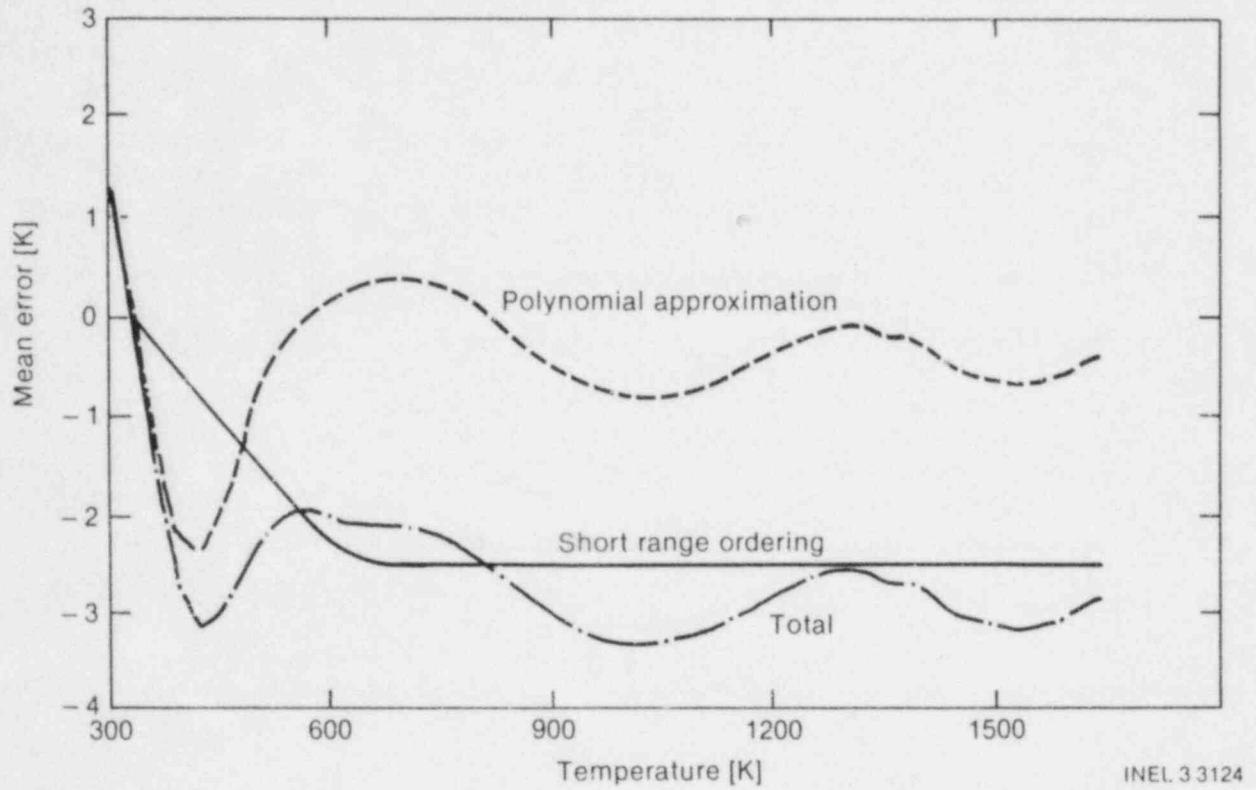


Figure F-2. Thermocouple measurement mean error versus temperature.

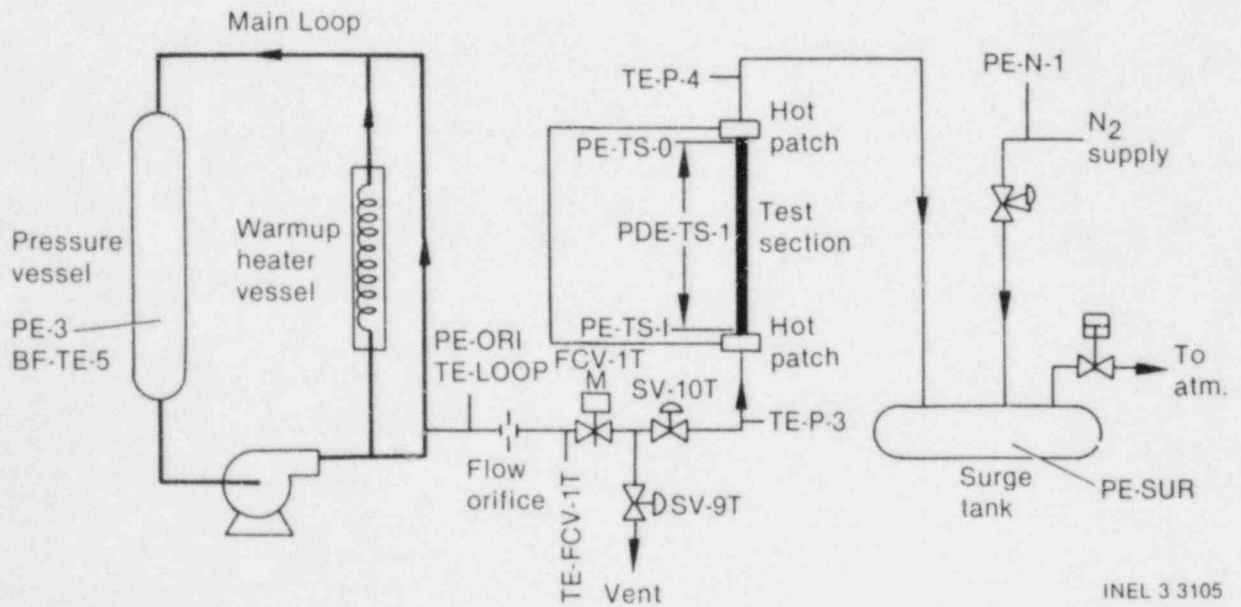


Figure F-3. Experiment loop and instrumentation diagram.

In addition to this uncertainty, there is a mean error of about -1.3 K associated with the use of slightly incorrect calibration coefficients in the data processing.

F-4. Absolute Pressure

Calibration data gave a good measure of the pressure measurement uncertainties associated with hysteresis, nonlinearity, and random scatter in the readings. Additional pressure measurement errors are expected because of transducer temperature variations. No data are available for the temperature sensitivity of these particular transducers; instead, the temperature sensitivities are assumed to be the same as those of typical LOFT pressure transducers.^{F-4} The range of temperature variations is taken to be 10 K, which is half of that assumed for LOFT. The smaller temperature variation range estimate here is justified on the basis of the post-CHF experiment being done in a well-ventilated area, whereas LOFT is in a sealed containment. On this basis, the uncertainty associated with transducer temperature variations is estimated to be 0.3% of range and 0.1% of reading. The only other recognized, significant uncertainty contribution is the 0.13% of range for the data acquisition system. These various uncertainty contributions are combined by the root-sum-square method to give the overall pressure measurement uncertainties of PE-3, PE-TS-I, PE-TS-0, PE-SUR, PE-ORI, and PE-N-1, as listed in Table E-1 of Appendix E.

To eliminate long-term drift, the offset of each pressure measurement channel was adjusted to make the readings correct, at atmospheric pressure, before each test. This procedure introduces an offset error, if the instrument is nonlinear, so that the best fit straight line (the calibration curve) does not match the actual data at atmospheric pressure. For the transducers considered here, this error is less than 1/3 of the uncertainty listed in Table E-1 of Appendix E.

F-5. Differential Pressure

Calibration data yielded good estimates of the uncertainty associated with hysteresis, nonlinearity, and random scatter in the differential pressure measurements. Although the absolute pressure sensitivities of these differential pressure transducers were checked to ensure that they were not excessive, there are no detailed data on either the pressure or the temperature sensitivities of these differential pressure measurements. These sensitivities are assumed to be the same as those for typical LOFT transducers.^{F-5} The combined uncertainty associated with temperature and pressure variations is estimated to be 1.9% of range and 4.2% of reading. The effects of hysteresis, nonlinearity, and random scatter are negligible compared with these temperature and pressure effects. The 4.2% reading estimate is based on limited data and may be significantly in error.

For any experiment sequence in which the transducer temperature and the absolute pressure are essentially constant, the error due to these effects is also constant. Thus, any indicated changes in the differential pressure during such experiments are much more accurate than the indicated magnitudes of the differential pressure, with uncertainties on the order of 0.4% of the differential pressure range.

The total uncertainty for each differential pressure measurement, including the 0.13% of range for the data acquisition system, is indicated in Appendix E, Table E-1.

F-6. Heater Voltage and Current

The voltage applied to heat the test section, and the voltages for the two hot patches at the ends of the test section, were measured by using a voltage divider to scale the heater voltage down to a value within the range of the data acquisition system. The heater currents were measured by including a shunt (a low-resistance, high-current resistor) in series with the heater and connecting the shunt voltage taps to the data acquisition system. Thus, the only uncertainties in these voltage and current measurements are caused by

errors in the resistor (voltage divider or shunt) and errors in the data acquisition system. Calibration data give estimates of the uncertainty associated with randomness and nonlinearity in the resistors. The shunts, but not the voltage dividers, may suffer from a significant sensitivity to temperature, but no data are available on this effect. To obtain an order-of-magnitude estimate of temperature effects, we assumed a temperature coefficient of resistivity of 0.00397/K (correct for IACS copper) and temperature variations of 10 K; these assumptions yielded an uncertainty component of about 4% of reading for the current measurements. This estimate is highly speculative, and it is not included in the uncertainty values listed in Table 1. The Table 1 values include the effects of nonlinearity and random variations in the resistors (shunts and voltage dividers), as well as the uncertainty in the data acquisition system.

F-7. Convective Heat Flux

The uncertainty in convective heat flux from the test section wall to the coolant is a function of uncertainties in the heat generated in the tube wall, heat losses from the test section, and, in the case of quasi-steady-state experiments, the stored energy in the tube wall. The convective heat flux uncertainty is described separately for the steady-state and quasi-steady-state experiments, since the uncertainty in heat losses is determined differently for the two types of experiments and the uncertainty in stored energy does not apply to the steady-state experiments.

The uncertainty in convective heat flux is, in reality, different for each data point listed in Appendix H due to the operating procedures, hardware anomalies, and data reduction methods. However, it would be impractical to evaluate an uncertainty for each data point. Therefore, an all-inclusive uncertainty was evaluated for the steady-state and quasi-steady-state series of test runs by using conservatively high values of the individual uncertainties which contribute to the total.

F-7.1 Steady-State Convective Heat Flux. The convective heat flux for the steady-state experiments is described as

$$q_{\text{conv}} = q_{\text{gen}} \left(\frac{d_o^2 - d_i^2}{4d_i} \right) - q_{\text{loss}} \frac{d_o}{d_i} \quad (\text{F-1})$$

The uncertainty in convective heat flux $\omega_{q_{\text{conv}}}$ can be expressed as

$$(\omega_{q_{\text{conv}}})^2 = \left[\omega \left(\frac{d_o^2 - d_i^2}{4d_i} q_{\text{gen}} \right) \right]^2 + \left[\left(\frac{d_o}{d_i} \omega_{q_{\text{loss}}} \right) \right]^2 + \left[q_{\text{loss}} \omega \left(\frac{d_o}{d_i} \right) \right]^2 \quad (\text{F-2})$$

In order to evaluate the first term in Equation (F-2), the volumetric heat generation rate for a tube segment is taken from Appendix K as

$$q_{\text{gen}} = \frac{(\text{VOLT})(\text{AMP}) \left[\frac{\Delta Z}{(\text{HL})} \right] \left(\frac{R}{\text{RREF}} \right)}{\frac{\pi}{4} (d_o^2 - d_i^2) \Delta Z} \quad (\text{F-3})$$

Therefore,

$$\left[\omega \left(\frac{d_o^2 - d_i^2}{4d_i} q_{\text{gen}} \right) \right]^2 = \left\{ \omega \left[\frac{(d_o^2 - d_i^2) (\text{VOLT})(\text{AMP}) \left[\frac{\Delta Z}{(\text{HL})} \right] \left(\frac{R}{\text{RREF}} \right)}{\frac{\pi}{4} (d_o^2 - d_i^2) \Delta Z} \right] \right\}^2$$

$$= \left\{ \omega \left[\frac{(\text{VOLT})(\text{AMP}) \left(\frac{R}{R_{\text{REF}}} \right)}{\pi d_i (\text{HL})} \right] \right\}^2 \quad (\text{F-4})$$

The uncertainty in the ratio of local tube resistance to the total resistance R/R_{REF} is assumed to be small compared to the other contributing factors. The uncertainties in test section voltage and current are taken from Appendix E, Table E-1 as $\omega_{\text{VOLT}} = 0.0787 \text{ V}$ and $\omega_{\text{AMP}} = 1.69 \text{ A}$.

Direct measurements of the test section inner diameter were not made; however, the test section outer diameter was measured periodically during the test. The uncertainty in test section outer diameter (2σ) is 0.0517 mm. The uncertainty in test section inner diameter was also assumed to be 0.0517 mm. For the steady-state experiments, the uncertainty in test section heated length (HL) was assumed to be 5 mm, due to measurement error.

Therefore,

$$\begin{aligned} \left[\omega \left(\frac{d_o^2 - d_i^2}{4d_i} \right) q_{\text{gen}} \right]^2 &= \left[\frac{\text{AMP}}{\pi d_i (\text{HL})} \omega_{\text{VOLT}} \right]^2 + \left[\frac{\text{VOLT}}{\pi d_i (\text{HL})} \omega_{\text{AMP}} \right]^2 \\ &+ \left[\frac{(\text{VOLT})(\text{AMP})}{\pi d_i^2 (\text{HL})} \omega_{d_i} \right]^2 + \left[\frac{(\text{VOLT})(\text{AMP})}{\pi d_i (\text{HL})^2} \omega_{(\text{HL})} \right]^2 \\ &= \left[\frac{(\text{AMP})(0.0787)}{(\pi)(0.0157)(2.13)} \right]^2 + \left[\frac{(\text{VOLT})(1.69)}{(\pi)(0.0157)(2.13)} \right]^2 \\ &+ \left[\frac{(\text{VOLT})(\text{AMP})(5.17 \times 10^{-5})}{(\pi)(0.0157)^2 (2.13)} \right]^2 + \left[\frac{(\text{VOLT})(\text{AMP})(0.005)}{(\pi)(0.0157)(2.13)^2} \right]^2 \\ &= [0.56 \text{ AMP}^2 + 258.8 \text{ VOLT}^2 \\ &+ 1.482 \times 10^{-3} \text{ VOLT}^2 \text{ AMP}^2] \text{ W}^2/\text{m}^4 \quad (\text{F-5}) \end{aligned}$$

For the second term in Equation (F-2), the uncertainty in test section heat loss was determined from the standard deviation of the measured heat loss to the best fit linear approximation, as shown in Figure I-1 of Appendix I, for the eight heat loss experiments conducted. The measured heat losses and approximations from the line used to calculate the standard deviation are as follows:

Test Number	$Q_{\text{loss measured}}$ (W)	$Q_{\text{loss line}}$ (W)
9.4.A	16.47	17.37
9.4.B	60.62	71.05
9.4.C	146.19	123.68
9.4.D	14.55	17.37
9.4.E	70.22	70.0
9.4.F	128.83	123.68
9.4.G	122.74	122.63
9.4.H	69.39	65.53

The standard deviation is

$$\sigma_{Q_{\text{loss}}} = \sqrt{\frac{\sum (Q_{\text{loss meas.}} - Q_{\text{loss line}})^2}{n - 2}} = 10.47 \text{ W} \quad (\text{F-6})$$

The uncertainty (2σ) in heat loss is 20.94 W. Averaged over the test section area (0.12826 m^2), the uncertainty in heat loss is 163.27 W/m^2 .

The second term in Equation (F-2) is

$$\left(\frac{d_o}{d_i} \omega_{q_{\text{loss}}} \right)^2 = \left[\frac{19.14}{15.7} \left(\frac{163.27}{1000} \right) \right]^2 = 0.0396 \text{ kW}^2/\text{m}^4 \quad (\text{F-7})$$

The third term in Equation (F-2) is

$$\left[q_{\text{loss}} \omega \left(\frac{d_o}{d_i} \right) \right]^2 = q_{\text{loss}}^2 \left(\frac{\omega_{d_o}^2}{d_o^2} + \frac{\omega_{d_i}^2}{d_i^2} \right) \quad (\text{F-8})$$

Assuming the maximum Q_{loss} to be 175.3 W (see Appendix I, Figure I-1), at a test section temperature of 1100 K, this reduces to

$$\begin{aligned} \left[q_{\text{loss}} \omega \left(\frac{d_o}{d_i} \right) \right]^2 &= \left(\frac{175.3}{0.12826} \right)^2 \left[\frac{(0.0517)^2}{(19.14)^2} + \frac{(0.0517)^2}{(15.7)^2} \right] \left(\frac{1}{1000} \right)^2 \\ &= 3.39 \times 10^{-5} \text{ kW}^2/\text{m}^4 \quad (\text{F-9}) \end{aligned}$$

Therefore, the third term in Equation (F-2) is negligible, compared to the second term.

Assuming the maximum test section voltage and current tested were 10 V and 350 A, respectively, the first term in Equation (F-2) would equal $0.113 \text{ kW}^2/\text{m}^4$.

Therefore, the dominant uncertainty in the convective heat flux is the uncertainty in the measured voltage and current at high power levels and the uncertainty in heat loss at lower power levels. Thus, the uncertainty in steady-state convective heat flux is

$$\begin{aligned} \omega_{q_{\text{conv}}} &= [0.56 \text{ AMP}^2 + 258.8 \text{ VOLT}^2 + 1.482 \times 10^{-3} \text{ VOLT}^2 \text{ AMP}^2 \\ &\quad + 3.9617 \times 10^4]^{1/2} \text{ W/m}^2 \quad (\text{F-10}) \end{aligned}$$

and is a function of test section voltage and current. For example, for a high test section voltage and current of 10 V and 350 A, the uncertainty in convective heat flux would be 0.39 kW/m^2 . For a low voltage and current of 4 V and 140 A, the uncertainty in convective heat flux would be 0.235 kW/m^2 .

F-7.2 Quasi-Steady-State Convective Heat Flux. The basic differences in the uncertainty in convective heat flux between the steady-state and quasi-steady-state experiments are due to:

1. The manner of conducting the quasi-steady-state experiments, with tube-insulation heatup and cooldown during the experiments leading to uncertainties in the heat flux between the test section and the surrounding insulation (see Appendix I);
2. The addition of a gamma densitometer source adjacent to the test section near the 1.22-m vapor probe location;
3. Additional uncertainty in the heated length of the test section; and
4. Uncertainty in the stored energy of the test section wall.

For the quasi-steady-state experiments, the convective heat flux is described as

$$q_{\text{conv}} = q_{\text{gen}} \left(\frac{d_o^2 - d_i^2}{4d_i} \right) + q_{\text{loss}} \left(\frac{d_o}{d_i} \right) + \rho C \frac{dT}{dt} \left(\frac{d_o^2 - d_i^2}{4d_i} \right) \quad (\text{F-11})$$

The uncertainty in convective heat flux can be expressed as

$$\begin{aligned} (\omega_{q_{\text{conv}}})^2 = & \left[\omega \left(\frac{d_o^2 - d_i^2}{4d_i} q_{\text{gen}} \right) \right]^2 + \left[\left(\frac{d_o}{d_i} \right) \omega q_{\text{loss}} \right]^2 + \left[q_{\text{loss}} \omega \left(\frac{d_o}{d_i} \right) \right]^2 \\ & + \left[\left(\frac{d_o^2 - d_i^2}{4d_i} \right) \rho C \frac{dT}{dt} \right]^2 \left\{ \left(\frac{\omega_{\rho}}{\rho} \right)^2 + \left(\frac{\omega_C}{C} \right)^2 + \left[\omega \left(\frac{dT}{dt} \right) \right]^2 \right. \\ & \left. + \left[\frac{\omega \left(\frac{d_o^2 - d_i^2}{4d_i} \right)}{\frac{d_o^2 - d_i^2}{4d_i}} \right]^2 \right\} \end{aligned} \quad (\text{F-12})$$

It was shown in Section 7.1 of this Appendix that uncertainties in d_o and d_i were negligible. Also, it is assumed that uncertainties in ρ and C are negligible, compared to the other uncertainties. Therefore, Equation (F-4) reduces to

$$\begin{aligned} (\omega_{q_{\text{conv}}})^2 = & \left[\omega \left(\frac{d_o^2 - d_i^2}{4d_i} q_{\text{gen}} \right) \right]^2 + \left[\left(\frac{d_o}{d_i} \right) \omega q_{\text{loss}} \right]^2 \\ & + \left[\frac{d_o^2 - d_i^2}{4d_i} \rho C \frac{\omega(T_2 - T_1)}{\Delta t} \right]^2 \end{aligned} \quad (\text{F-13})$$

The first term in Equation (F-13) is evaluated in the same manner as the first term in Equation (F-2) for the steady-state case, except that the maximum uncertainty in the test section heated length is 1.91 cm rather than 5 mm. Therefore, the first term in Equation (F-5) becomes:

$$[0.56 \text{ AMP}^2 + 258.8 \text{ VOLT}^2 + 8.268 \times 10^{-3} \text{ VOLT}^2 \text{ AMP}^2] \text{ W}^2/\text{m}^4 \quad (\text{F-14})$$

The second term in Equation (F-13) is evaluated separately for the region near the vapor probe at the 1.22-m elevation, as compared to the remainder of the test section, due to the gamma densitometer source near the 1.22-m elevation, resulting in different uncertainties in the test section heat loss. Evaluation of the uncertainty in heat loss for the majority of the test section is done in Section 2 of Appendix I. The maximum uncertainty in heat loss was determined to be no greater than 2 kW/m². Thus, the second term in Equation (F-13) is

$$\left[\left(\frac{d_o}{d_i} \right) \omega_{q_{\text{loss}}} \right]^2 = \left[\left(\frac{19.14}{15.7} \right) (2) \right]^2 = 5.945 \text{ kW}^2/\text{m}^4 \quad (\text{F-15})$$

For the region near the 1.22-m probe elevation, the uncertainty in heat loss is estimated to be 0.05 Q_{conv}. Thus, the second term in Equation (F-5) becomes

$$\left[\left(\frac{19.14}{15.7} \right) 0.05 q_{\text{conv}} \right]^2 = 0.0037 q_{\text{conv}}^2 \text{ kW}^2/\text{m}^4 \quad (\text{F-16})$$

This uncertainty applies to those elevations where a value for q_{loss} is given in the tabulated data shown in Appendix H.

Section 4 of the main text presents a discussion of the method used to time average the tube wall stored energy. The third term in Equation (F-13) represents the uncertainty in the temperature difference of the tube between the beginning and end of the time interval (Δt) used. The uncertainty

$$\omega_{(T_1 - T_2)}$$

was determined to be 2 K, and the normal time interval used was 20 s. Therefore, the third term in Equation (F-13) becomes

$$\begin{aligned} \left[\frac{d_o^2 - d_i^2}{4d_i} \rho C \frac{\omega_{(T_2 - T_1)}}{\Delta t} \right]^2 &= \left[\frac{(0.01914^2 - 0.0157^2)}{(4)(0.0157)} \left(8446 \frac{\text{kg}}{\text{m}^3} \right) \left(0.586 \frac{\text{kJ}}{\text{kg} \cdot \text{K}} \right) \left(\frac{2 \text{ K}}{20 \text{ s}} \right) \right]^2 \\ &= 0.89 \text{ kW}^2/\text{m}^4 \quad (\text{F-17}) \end{aligned}$$

Therefore, for the regions of the test section removed from the densitometer source, the uncertainty in convective heat flux is

$$\begin{aligned} \omega_{q_{\text{conv}}} &= (0.56 \text{ AMP}^2 + 258.8 \text{ VOLT}^2 + 8.268 \times 10^{-3} \text{ VOLT}^2 \text{ AMP}^2 \\ &\quad + 5.945 \times 10^6 + 0.89 \times 10^6)^{1/2} \text{ W}/\text{m}^2 \quad (\text{F-18}) \end{aligned}$$

At a maximum voltage and current level of 20 V and 700 A, the uncertainty would be 2.97 kW/m². At a minimum voltage and current level of 4 V and 140 A, the uncertainty would be 2.62 kW/m². The

uncertainty due to heat loss is the major contributor in both cases and is the only significant contributor at low power levels.

For the region of the test section near the gamma densitometer source, the uncertainty is

$$\omega_{q_{\text{conv}}} = (0.56 \text{ AMP}^2 + 258.8 \text{ VOLT}^2 + 8.268 \times 10^{-3} \text{ VOLT}^2 \text{ AMP}^2 + 3.716 \times 10^{-3} q_{\text{conv}}^2 + 0.89 \times 10^6) \text{ W/m}^2 \quad (\text{F-19})$$

Again, the uncertainty in heat loss is by far the most significant contributor.

For Runs 190 through 247, the heated length of the test section was shortened to 1.33 m. This would change the value of the first term in Equation (F-13), but the change would be very small compared to the uncertainty in heat loss. Therefore, this change was not considered separately for Runs 190 through 247.

F.8. Mass Flux

The test section mass flow rate was determined, using a flow orifice as discussed in Section 3 of Appendix E, and is calculated with the following equation:

$$\dot{m} = A \sqrt{\rho \Delta P} \quad (\text{F-20})$$

where

\dot{m} = mass flow rate (kg/s)

ρ = fluid density (kg/m³)

ΔP = orifice pressure drop (kPa)

A = calibration coefficient $\left(\frac{\text{kg} \cdot \text{m}^3}{\text{s}^2 \cdot \text{kPa}} \right)^{1/2}$

The uncertainty in mass flow rate is

$$\omega_{\dot{m}}^2 = \frac{A^2 \Delta P}{4\rho} \omega_{\rho}^2 + \frac{A^2 \rho}{4\Delta P} \omega_{\Delta P}^2 + \rho \Delta P \omega_A^2 \quad (\text{F-21})$$

At typical main loop operating conditions of 16 MPa and 600 K, the uncertainty in fluid density (ρ), due to uncertainties in the measured temperature and pressure, is 11.4 kg/m³. From Table E-1, of Appendix E the uncertainty in orifice pressure drop is a function of the particular ΔP cell used. Most of the data points used PDE-0-5, however, which has an uncertainty of $[(2.74)^2 + (0.042 \Delta P)^2]^{1/2}$. The uncertainty in the calibration constant (A) is approximately 2% for any of the six combinations of orifice plates and ΔP cells used. Therefore, the uncertainty in mass flow rate using PDE-0-5 is

$$\omega_{\dot{m}} = \left\{ \frac{A^2 \Delta P}{4\rho} (11.4)^2 + \frac{A^2 \rho}{4\Delta P} [(2.74)^2 + (0.042 \Delta P)^2] + \rho \Delta P (4.872 \times 10^{-7})^2 \right\}^{1/2} \quad (\text{F-22})$$

and is a function of the particular operating conditions for a test run. For example, a typical test run using PDE-0-5 would have an orifice ΔP of 35 kPa. Assuming a fluid density of 657 kg/m^3 , the uncertainty in flow rate would be

$$\begin{aligned} \dot{\omega}_m &= \left\{ \frac{(2.436 \times 10^{-5})^2 (35)(11.4)^2}{(4)(657)} + \frac{(2.436 \times 10^{-5})(657)}{(4)(35)} [(2.74)^2 \right. \\ &\quad \left. + (0.042)^2 (35)^2] + (657)(35)(4.872 \times 10^{-7})^2 \right\}^{1/2} \\ \dot{\omega}_m &= [1.027 \times 10^{-9} + 2.785 \times 10^{-9} + 5.458 \times 10^{-9}]^{1/2} \\ \dot{\omega}_m &= 9.6278 \times 10^{-5} \text{ kg/s} \end{aligned} \quad (\text{F-23})$$

For this particular case, the actual flow rate would be

$$\dot{m} = A\sqrt{\rho\Delta P} = 2.436 \times 10^{-5} [(657)(35)]^{1/2} = 3.694 \times 10^{-3} \text{ kg/s} \quad (\text{F-24})$$

The uncertainty would be

$$\frac{9.628 \times 10^{-5}}{3.694 \times 10^{-3}} = 2.6\%$$

References

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- F-4. S. Ploger, *LOFT Experimental Measurements Uncertainty Analyses, Volume X, Absolute Pressure Measurement Uncertainty Analysis*, NUREG/CR-0169, EGG-2037, Vol. X, September 1981.
- F-5. G. D. Lassahn, *LOFT Experimental Measurements Uncertainty Analyses, Volume XII, Differential Pressure Measurements*, NUREG/CR-0169, EGG-2037, Vol. XII, August 1981.

**APPENDIX G
TEST SECTION DRAWINGS**

APPENDIX G TEST SECTION DRAWINGS

This appendix contains drawings of the test section and associated hardware. Dimensional and experimental instrumentation information necessary for computer code modeling of the test section can be obtained from these drawings, as well as details of fabrication. Figure G-1 (Drawing 415267) shows the configuration of the Inconel tube

test section and lower and upper hot patches, and Figure G-2 (Drawing 415264) shows the details of the hot patch design. Figure G-3 (Drawing 415268) shows the installation of the test section onto the test stand, as well as the inlet line configuration and vapor probe micrometering valve installation.

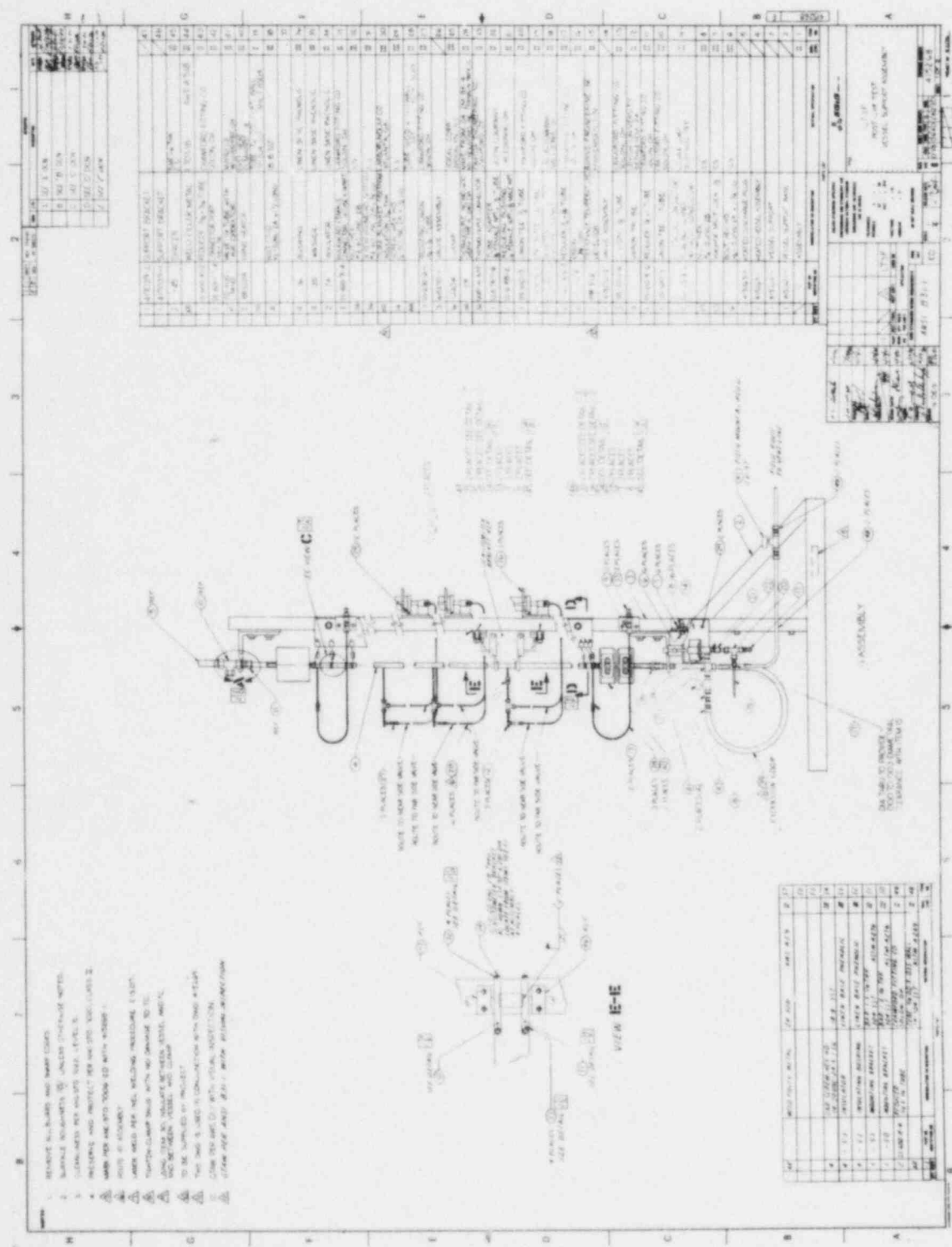


Figure G-3. Test section stand installation drawing.

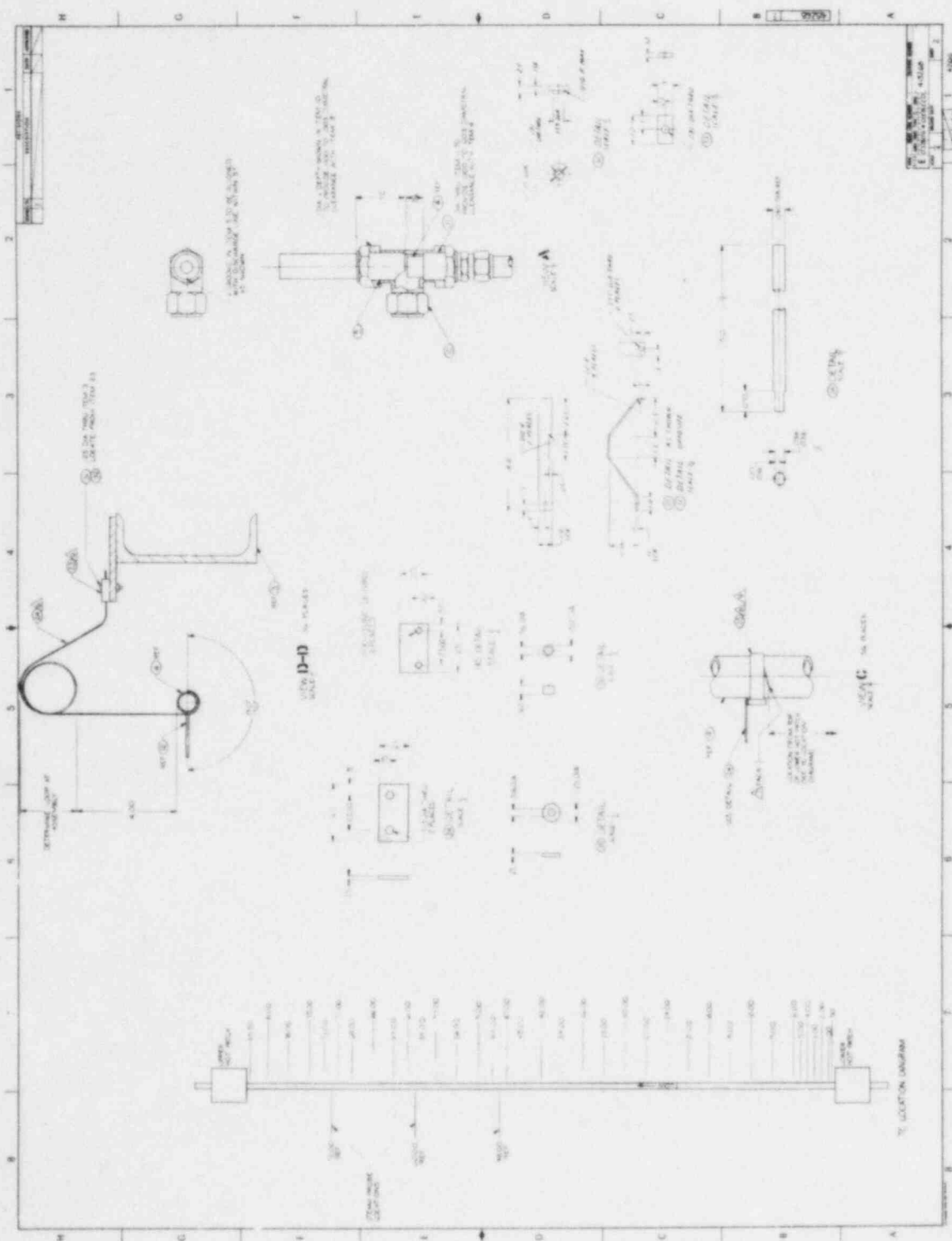


Figure G-3. (continued).

**APPENDIX H
REDUCED EXPERIMENTAL DATA**

APPENDIX H REDUCED EXPERIMENTAL DATA

The reduced heat transfer experimental data in engineering units are reported in the first part of this appendix. Eighty-three data points from thirty-seven steady-state runs are reported. Six hundred and eighty-three data points from seventy-one quasi-steady-state runs are reported.

For a given data point, the parameters reported include test section pressure and its associated saturation temperature, mass flux, test section inlet equilibrium quality and enthalpy, quench front elevation and velocity, and equilibrium quality at the quench front. The thermal-hydraulic conditions of the fluid upstream of the flow control valve FCV-1T are given. Also reported are the wall temperature, equilibrium quality, and convective heat flux at each wall thermocouple location. At the vapor probe location, the distance of the quench front from the vapor probe (DZQF), the vapor temperature, and the equilibrium and actual qualities are reported.

Each experimental point is identified with a point number which may be written generally as PXXX.YYI. Within this point number, the digits represent the following quantities:

P = Vapor probe number = 1, 2, or 3

XXX = run number

YY = a counter on the number of points initially considered for the run

I = $\begin{cases} D, & \text{data point with a measured vapor temperature} \\ 1, & \text{data point with an inferred vapor temperature.} \end{cases}$

The counter YY often does not begin at 1 for any given run because some of the points originally considered for the run have not been selected in this final data base.

The second part of this Appendix lists the 162 vapor generation rate data points obtained from this experiment. For each given data point, the reported parameters included point number, pressure, mass flux, vapor temperature, the quality at and distance from the quench front, the actual and equilibrium qualities, the change in actual quality with elevation, and the calculated vapor generation rate.

The point identification for the vapor generation data is the same as for the heat transfer data.

INEL POST-CHF EXPERIMENT NO. 2

POINT SERIAL NO. 1002.010 (TIME= 156.50 SEC)

LOOP PRESSURE{PE-3} 7.01 MPA
 FCV TEMPERATURE{TE-FCV-1T} 505.4 K
 LHP INLET ENTHALPY 1.002E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.22 K
 MASS FLUX 13.86 KG/SEC-M**2
 INLET QUALITY .364
 INLET ENTHALPY 1.405E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .173
 NET LHP POWER TO FLUID 1083.2 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.219	1.321	824.8	.534	.380

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2
.013	747.5	.366	1.68E+04
.025	748.6	.368	1.66E+04
.051	749.1	.372	1.65E+04
.076	756.9	.375	1.65E+04
.102	764.9	.379	1.71E+04
.127	777.2	.383	1.70E+04
.152	785.7	.387	1.70E+04
.305	832.0	.410	1.75E+04
.381	862.5	.421	1.67E+04
.457	883.8	.432	1.62E+04
.533	902.5	.442	1.53E+04
.610	920.0	.452	1.47E+04
.686	935.8	.462	1.48E+04
.762	954.1	.472	1.47E+04
.838	972.2	.482	1.49E+04
.914	983.1	.492	1.58E+04
.991	1001.5	.503	1.67E+04
1.067	1009.8	.514	1.64E+04
1.143	999.5	.524	1.46E+04
1.194	999.5	.530	1.45E+04
1.245	977.6	.537	1.62E+04
1.295	997.6	.544	1.66E+04
1.372	1012.5	.555	1.57E+04
1.448	1027.4	.565	1.51E+04
1.499	1022.1	.572	1.49E+04
1.549	1004.1	.579	1.58E+04
1.600	1013.1	.586	1.58E+04
1.676	1029.3	.596	1.52E+04
1.753	1036.6	.606	1.57E+04
1.803	1028.1	.613	1.43E+04
1.854	1001.9	.619	1.44E+04
1.905	1010.4	.626	1.64E+04
1.981	1004.0	.636	1.41E+04
2.057	977.9	.645	1.33E+04

INEL POST-CHF EXPERIMENT NO. 3

POINT SERIAL NO. 1003.010 (TIME= 150.50 SEC)

LOOP PRESSURE{PE-3} 7.01 MPA
 FCV TEMPERATURE{TE-FCV-1T} 504.5 K
 LHP INLET ENTHALPY 9.975E+05 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.82 K
 MASS FLUX 18.09 KG/SEC-M**2
 INLET QUALITY .318
 INLET ENTHALPY 1.305E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .172
 NET LHP POWER TO FLUID 1078.2 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.219	1.321	798.7	.434	.316

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2
.013	732.0	.319	1.28E+04
.025	720.5	.320	1.30E+04
.051	704.6	.322	1.31E+04
.076	709.0	.324	1.31E+04
.102	712.4	.327	1.38E+04
.127	721.0	.329	1.48E+04
.152	728.9	.332	1.51E+04
.305	780.9	.347	1.49E+04
.381	813.3	.355	1.57E+04
.457	835.6	.362	1.56E+04
.533	858.7	.371	1.60E+04
.610	876.5	.379	1.57E+04
.686	890.5	.386	1.53E+04
.762	906.8	.394	1.50E+04
.838	925.6	.402	1.41E+04
.914	935.8	.409	1.35E+04
.991	950.9	.415	1.29E+04
1.067	959.7	.422	1.26E+04
1.143	955.9	.428	1.25E+04
1.194	957.3	.432	1.14E+04
1.245	939.1	.436	1.21E+04
1.295	959.2	.440	1.24E+04
1.372	973.9	.447	1.25E+04
1.448	987.6	.453	1.20E+04
1.499	984.1	.457	1.17E+04
1.549	969.8	.461	1.14E+04
1.600	980.7	.465	1.19E+04
1.676	994.9	.471	1.16E+04
1.753	998.6	.477	1.14E+04
1.803	991.8	.480	1.04E+04
1.854	968.3	.484	1.13E+04
1.905	969.3	.488	1.23E+04
1.981	518.7	.496	1.91E+04
2.057	483.1	.504	1.13E+04

INEL POST-CHF EXPERIMENT NO. 4

POINT SERIAL NO. 1004.010 (TIME= 135.50 SEC)

LOOP PRESSURE{PE-3} 7.00 MPA
 FCV TEMPERATURE{TE-FCV-1T} 503.9 K
 LHP INLET ENTHALPY 9.948E+05 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.93 K
 MASS FLUX 12.08 KG/SEC-M**2
 INLET QUALITY .394
 INLET ENTHALPY 1.468E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .170
 NET LHP POWER TO FLUID 1109.5 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.219	1.321	732.8	.524	.402

WALL TEMPERATURE MEASUREMENT			LOCATION INFORMATION
ELEVATION	TEMP	XE	HEAT FLUX
(M)	(K)		W/M**2
.013	720.9	.396	1.05E+04
.025	705.7	.397	1.05E+04
.051	683.3	.400	1.04E+04
.076	684.7	.402	1.06E+04
.102	685.7	.405	1.09E+04
.127	693.0	.408	1.05E+04
.152	698.3	.410	1.04E+04
.305	732.8	.426	1.03E+04
.381	757.5	.434	1.07E+04
.457	772.7	.442	1.07E+04
.533	791.6	.450	1.00E+04
.610	807.2	.457	1.02E+04
.686	820.6	.466	1.09E+04
.762	837.2	.474	1.07E+04
.838	854.4	.482	1.12E+04
.914	867.0	.491	1.13E+04
.991	884.1	.499	1.08E+04
1.067	892.9	.507	1.10E+04
1.143	891.2	.516	1.08E+04
1.194	892.7	.521	1.07E+04
1.245	879.1	.527	1.15E+04
1.295	898.6	.532	1.14E+04
1.372	914.4	.541	1.16E+04
1.448	927.7	.550	1.07E+04
1.499	926.2	.555	1.06E+04
1.549	916.9	.560	1.09E+04
1.600	927.9	.566	1.13E+04
1.676	941.9	.574	1.07E+04
1.753	945.6	.583	1.30E+04
1.803	647.8	.620	1.34E+05
1.854	485.1	.659	1.94E+04
1.905	448.8	.667	1.22E+04
1.981	458.6	.676	1.10E+04
2.057	454.5	.684	9.73E+03

INEL POST-CHF EXPERIMENT NO. 6

POINT SERIAL NO. 1006.010 (TIME= 600.50 SEC)

LOOP PRESSURE{PE-3} 16.08 MPA
 FCV TEMPERATURE{TE-FCV-1T} 610.3 K
 LHP INLET ENTHALPY 1.567E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.34 K
 MASS FLUX 14.22 KG/SEC-M**2
 INLET QUALITY .551
 INLET ENTHALPY 1.801E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .441
 NET LHP POWER TO FLUID 657.7 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.219	1.321	773.7	.718	.532

WALL TEMPERATURE MEASUREMENT			LOCATION INFORMATION
ELEVATION	TEMP	XE	HEAT FLUX
(M)	(K)		W/M**2
.013	765.2	.553	1.73E+04
.025	758.9	.555	1.71E+04
.051	750.8	.559	1.68E+04
.076	754.5	.562	1.67E+04
.102	755.5	.566	1.67E+04
.127	762.8	.569	1.66E+04
.152	767.0	.573	1.66E+04
.305	799.5	.594	1.66E+04
.381	823.2	.604	1.66E+04
.457	838.0	.615	1.65E+04
.533	854.2	.625	1.65E+04
.610	869.4	.636	1.65E+04
.686	884.4	.646	1.65E+04
.762	900.5	.657	1.64E+04
.838	915.9	.667	1.63E+04
.914	928.4	.677	1.62E+04
.991	945.6	.688	1.62E+04
1.067	957.8	.698	1.61E+04
1.143	953.8	.708	1.61E+04
1.194	957.6	.715	1.50E+04
1.245	934.4	.721	1.62E+04
1.295	950.4	.728	1.61E+04
1.372	972.7	.738	1.61E+04
1.448	995.3	.749	1.60E+04
1.499	998.3	.755	1.48E+04
1.549	996.1	.762	1.60E+04
1.600	1009.5	.768	1.60E+04
1.676	1035.6	.778	1.59E+04
1.753	1052.7	.788	1.58E+04
1.803	1050.4	.795	1.47E+04
1.854	1023.7	.801	1.58E+04
1.905	1031.7	.808	1.59E+04
1.981	1052.2	.818	1.60E+04
2.057	1005.3	.828	1.64E+04

INEL POST-CHF EXPERIMENT NO. 6

POINT SERIAL NO. 2006.010 (TIME= 600.50 SEC)

LOOP PRESSURE(PE-3) 16.08 MPA
 FCV TEMPERATURE(TE-FCV-1T) 610.3 K
 LHP INLET ENTHALPY 1.567E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.34 K
 MASS FLUX 14.22 KG/SEC-M**2
 INLET QUALITY .551
 INLET ENTHALPY 1.801E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .441
 NET LHP POWER TO FLUID 657.7 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE XA
1.524	1.626	857.8	.758 .527

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2
.013	765.2	.553	1.73E+04
.025	758.9	.555	1.71E+04
.051	750.8	.559	1.68E+04
.076	754.5	.562	1.67E+04
.102	755.5	.566	1.67E+04
.127	762.8	.569	1.66E+04
.152	767.0	.573	1.66E+04
.305	799.5	.594	1.66E+04
.381	823.2	.604	1.66E+04
.457	838.0	.615	1.65E+04
.533	854.2	.625	1.65E+04
.610	869.4	.636	1.65E+04
.686	884.4	.646	1.65E+04
.762	900.5	.657	1.64E+04
.838	915.9	.667	1.63E+04
.914	928.4	.677	1.62E+04
.991	945.6	.688	1.62E+04
1.067	957.8	.698	1.61E+04
1.143	953.8	.708	1.61E+04
1.194	957.6	.715	1.50E+04
1.245	934.4	.721	1.62E+04
1.295	950.4	.728	1.61E+04
1.372	972.7	.738	1.61E+04
1.448	995.3	.749	1.60E+04
1.499	998.3	.755	1.48E+04
1.549	996.1	.762	1.60E+04
1.600	1009.5	.768	1.60E+04
1.676	1035.6	.778	1.59E+04
1.753	1052.7	.788	1.58E+04
1.803	1050.4	.795	1.47E+04
1.854	1023.7	.801	1.58E+04
1.905	1031.7	.808	1.59E+04
1.981	1052.2	.818	1.60E+04
2.057	1005.3	.828	1.64E+04

INEL POST-CHF EXPERIMENT NO. 7

POINT SERIAL NO. 1007.010 (TIME= 470.50 SEC)

LOOP PRESSURE(PE-3) 16.15 MPA
 FCV TEMPERATURE(TE-FCV-1T) 609.3 K
 LHP INLET ENTHALPY 1.559E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.86 K
 MASS FLUX 13.74 KG/SEC-M**2
 INLET QUALITY .535
 INLET ENTHALPY 1.764E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .438
 NET LHP POWER TO FLUID 550.4 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE XA
1.219	1.321	753.1	.675 .508

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2
.013	757.5	.536	1.34E+04
.025	746.1	.538	1.35E+04
.051	730.4	.541	1.35E+04
.076	730.1	.544	1.34E+04
.102	727.8	.547	1.34E+04
.127	732.8	.550	1.35E+04
.152	735.8	.553	1.35E+04
.305	766.0	.571	1.35E+04
.381	789.0	.580	1.35E+04
.457	804.8	.588	1.35E+04
.533	822.0	.597	1.34E+04
.610	837.8	.606	1.33E+04
.686	852.1	.615	1.33E+04
.762	868.6	.624	1.32E+04
.838	883.1	.633	1.32E+04
.914	894.9	.641	1.31E+04
.991	910.9	.650	1.31E+04
1.067	921.8	.659	1.30E+04
1.143	918.4	.667	1.30E+04
1.194	921.9	.673	1.21E+04
1.245	903.7	.678	1.31E+04
1.295	920.0	.684	1.30E+04
1.372	941.4	.693	1.29E+04
1.448	962.7	.701	1.29E+04
1.499	965.6	.707	1.20E+04
1.549	964.9	.712	1.30E+04
1.600	978.1	.718	1.29E+04
1.676	1002.5	.726	1.28E+04
1.753	1018.7	.735	1.28E+04
1.803	1017.1	.740	1.19E+04
1.854	994.7	.746	1.29E+04
1.905	1002.1	.752	1.28E+04
1.981	1023.8	.760	1.28E+04
2.057	1001.7	.768	1.16E+04

INEL POST-CHF EXPERIMENT NO. 7

POINT SERIAL NO. 2007.010 (TIME= 470.50 SEC)

LOOP PRESSURE[PE-3] 16.15 MPA
 FCV TEMPERATURE[TE-FCV-1T] 609.3 K
 LHP INLET ENTHALPY 1.559E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.86 K
 MASS FLUX 13.74 KG/SEC-M**2
 INLET QUALITY .535
 INLET ENTHALPY 1.764E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .438
 NET LHP POWER TO FLUID 550.4 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.524 1.626 835.8 .709 .501

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX
 (M) (K) W/M**2

.013 757.5 .536 1.34E+04
 .025 746.1 .538 1.35E+04
 .051 730.4 .541 1.35E+04
 .076 730.1 .544 1.34E+04
 .102 727.8 .547 1.34E+04
 .127 732.8 .550 1.35E+04
 .152 735.8 .553 1.35E+04
 .305 766.0 .571 1.35E+04
 .381 789.0 .580 1.35E+04
 .457 804.8 .588 1.35E+04
 .533 822.0 .597 1.34E+04
 .610 837.8 .606 1.33E+04
 .686 852.1 .615 1.33E+04
 .762 868.6 .624 1.32E+04
 .838 883.1 .633 1.32E+04
 .914 894.9 .641 1.31E+04
 .991 910.9 .650 1.31E+04
 1.067 921.8 .659 1.30E+04
 1.143 918.4 .667 1.30E+04
 1.194 921.9 .673 1.21E+04
 1.245 903.7 .678 1.31E+04
 1.295 920.0 .684 1.30E+04
 1.372 941.4 .693 1.29E+04
 1.448 962.7 .701 1.29E+04
 1.499 965.6 .707 1.20E+04
 1.549 964.9 .712 1.30E+04
 1.600 978.1 .718 1.29E+04
 1.676 1002.5 .726 1.28E+04
 1.753 1018.7 .735 1.28E+04
 1.803 1017.1 .740 1.19E+04
 1.854 994.7 .746 1.29E+04
 1.905 1002.1 .752 1.28E+04
 1.981 1023.8 .760 1.28E+04
 2.057 1001.7 .768 1.16E+04

INEL POST-CHF EXPERIMENT NO. 8

POINT SERIAL NO. 1008.010 (TIME= 325.50 SEC)

LOOP PRESSURE[PE-3] 16.27 MPA
 FCV TEMPERATURE[TE-FCV-1T] 609.2 K
 LHP INLET ENTHALPY 1.558E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.87 K
 MASS FLUX 13.78 KG/SEC-M**2
 INLET QUALITY .533
 INLET ENTHALPY 1.760E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .437
 NET LHP POWER TO FLUID 533.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.219 1.321 708.9 .643 .501

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX
 (M) (K) W/M**2

.013 740.0 .534 1.03E+04
 .025 723.3 .535 1.03E+04
 .051 697.7 .537 1.03E+04
 .076 692.4 .540 1.03E+04
 .102 687.5 .542 1.04E+04
 .127 690.7 .544 1.03E+04
 .152 692.2 .547 1.02E+04
 .305 718.4 .560 1.02E+04
 .381 738.2 .567 1.02E+04
 .457 751.8 .574 1.03E+04
 .533 767.4 .581 1.04E+04
 .610 781.3 .588 1.03E+04
 .686 794.6 .595 1.03E+04
 .762 809.5 .602 1.03E+04
 .838 823.6 .609 1.03E+04
 .914 834.1 .616 1.03E+04
 .991 848.3 .623 1.02E+04
 1.067 858.3 .630 1.01E+04
 1.143 857.1 .637 1.01E+04
 1.194 860.5 .641 9.43E+03
 1.245 845.9 .645 1.03E+04
 1.295 861.3 .650 1.02E+04
 1.372 881.5 .657 1.02E+04
 1.448 900.2 .664 1.01E+04
 1.499 913.2 .668 9.39E+03
 1.549 902.4 .673 1.01E+04
 1.600 914.9 .677 1.00E+04
 1.676 937.1 .684 1.01E+04
 1.753 952.1 .691 9.99E+03
 1.803 950.8 .695 9.29E+03
 1.854 931.0 .699 1.02E+04
 1.905 939.9 .704 1.00E+04
 1.981 962.6 .711 1.01E+04
 2.057 953.0 .718 1.00E+04

INEL POST-CHF EXPERIMENT NO. 8

POINT SERIAL NO. 2008.010 (TIME= 325.50 SEC)

LOOP PRESSURE[PE-3] 16.27 MPA
 FCV TEMPERATURE[TE-FCV-1T] 609.2 K
 LHP INLET ENTHALPY 1.558E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.87 K
 MASS FLUX 13.78 KG/SEC-M**2
 INLET QUALITY .533
 INLET ENTHALPY 1.760E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .437
 NET LHP POWER TO FLUID 533.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION	DZQF	TV	XE XA
(M)	(M)	(K)	
1.524	1.626	781.3	.670 .495

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION	TEMP	XE	HEAT FLUX
(M)	(K)		W/M**2
.013	740.0	.534	1.03E+04
.025	723.3	.535	1.03E+04
.051	697.7	.537	1.03E+04
.076	692.4	.540	1.03E+04
.102	687.5	.542	1.04E+04
.127	690.7	.544	1.03E+04
.152	692.2	.547	1.02E+04
.305	718.4	.560	1.02E+04
.381	738.2	.567	1.02E+04
.457	751.8	.574	1.01E+04
.533	767.4	.581	1.04E+04
.610	781.3	.588	1.03E+04
.686	794.6	.595	1.03E+04
.762	809.5	.602	1.03E+04
.838	823.6	.609	1.03E+04
.914	834.1	.616	1.03E+04
.991	848.3	.623	1.02E+04
1.067	858.3	.630	1.01E+04
1.143	857.1	.637	1.01E+04
1.194	860.5	.641	9.43E+03
1.245	845.9	.645	1.03E+04
1.295	861.3	.650	1.02E+04
1.372	881.5	.657	1.02E+04
1.448	900.2	.664	1.01E+04
1.499	903.2	.668	9.39E+03
1.549	902.4	.673	1.01E+04
1.600	914.9	.677	1.00E+04
1.676	937.1	.684	1.01E+04
1.753	952.1	.691	9.99E+03
1.803	950.8	.695	9.29E+03
1.854	931.0	.699	1.02E+04
1.905	939.9	.704	1.00E+04
1.981	962.6	.711	1.01E+04
2.057	953.0	.718	1.00E+04

INEL POST-CHF EXPERIMENT NO. 9

POINT SERIAL NO. 1009.010 (TIME= 320.50 SEC)

LOOP PRESSURE[PE-3] 16.13 MPA
 FCV TEMPERATURE[TE-FCV-1T] 608.5 K
 LHP INLET ENTHALPY 1.554E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.87 K
 MASS FLUX 13.35 KG/SEC-M**2
 INLET QUALITY .533
 INLET ENTHALPY 1.761E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .435
 NET LHP POWER TO FLUID 541.4 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION	DZQF	TV	XE XA
(M)	(M)	(K)	
1.219	1.321	676.5	.625 .499

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION	TEMP	XE	HEAT FLUX
(M)	(K)		W/M**2
.013	728.8	.534	8.76E+03
.025	708.3	.535	8.75E+03
.051	676.3	.537	8.70E+03
.076	667.7	.539	8.61E+03
.102	660.5	.541	8.54E+03
.127	661.6	.543	8.51E+03
.152	662.2	.545	8.44E+03
.305	684.8	.556	8.35E+03
.381	703.0	.562	8.41E+03
.457	714.8	.568	8.46E+03
.533	728.5	.574	8.47E+03
.610	741.4	.579	8.43E+03
.686	753.4	.585	8.49E+03
.762	766.5	.591	8.43E+03
.838	779.6	.597	8.46E+03
.914	789.3	.602	8.53E+03
.991	802.2	.608	8.44E+03
1.067	811.5	.614	8.41E+03
1.143	810.4	.620	8.46E+03
1.194	814.0	.623	7.78E+03
1.245	801.8	.627	8.39E+03
1.295	816.3	.631	8.41E+03
1.372	835.4	.637	8.35E+03
1.448	851.8	.642	8.37E+03
1.499	854.4	.646	7.76E+03
1.549	854.4	.650	8.40E+03
1.600	866.1	.653	8.36E+03
1.676	886.5	.659	8.33E+03
1.753	900.6	.665	8.30E+03
1.803	899.1	.668	7.63E+03
1.854	880.6	.672	8.40E+03
1.905	890.2	.676	8.37E+03
1.981	913.6	.681	8.32E+03
2.057	907.4	.687	8.21E+03

INEL POST-CHF EXPERIMENT NO. 9

POINT SERIAL NO. 2009.010 (TIME= 320.50 SEC)

LOOP PRESSURE{PE-3} 16.13 MPA
 FCV TEMPERATURE{TE-FCV-1T} 608.5 K
 LHP INLET ENTHALPY 1.554E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.87 K
 MASS FLUX 13.35 KG/SEC-M**2
 INLET QUALITY .533
 INLET ENTHALPY 1.761E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .435
 NET LHP POWER TO FLUID 541.4 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.524	1.626	729.0	.648	.496

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2
.013	728.8	.534	8.76E+03
.025	708.3	.535	8.75E+03
.051	676.3	.537	8.70E+03
.076	667.7	.539	8.61E+03
.102	660.5	.541	8.54E+03
.127	661.6	.543	8.51E+03
.152	662.2	.545	8.44E+03
.305	684.8	.556	8.35E+03
.381	703.0	.562	8.41E+03
.457	714.8	.568	8.46E+03
.533	728.5	.574	8.47E+03
.610	741.4	.579	8.43E+03
.686	753.4	.585	8.49E+03
.762	766.5	.591	8.43E+03
.838	779.6	.597	8.46E+03
.914	789.3	.602	8.53E+03
.991	802.2	.608	8.44E+03
1.067	811.5	.614	8.41E+03
1.143	810.4	.620	8.46E+03
1.194	814.0	.623	7.78E+03
1.245	801.8	.627	8.39E+03
1.295	816.3	.631	8.41E+03
1.372	835.4	.637	8.35E+03
1.448	851.8	.642	8.37E+03
1.499	854.4	.646	7.76E+03
1.549	854.4	.650	8.40E+03
1.600	866.1	.653	8.36E+03
1.676	886.5	.659	8.33E+03
1.753	900.6	.665	8.30E+03
1.803	899.1	.668	7.63E+03
1.854	880.6	.672	8.40E+03
1.905	890.2	.676	8.37E+03
1.981	913.6	.681	8.32E+03
2.057	907.4	.687	8.21E+03

INEL POST-CHF EXPERIMENT NO. 10

POINT SERIAL NO. 1010.010 (TIME= 300.50 SEC)

LOOP PRESSURE{PE-3} 16.19 MPA
 FCV TEMPERATURE{TE-FCV-1T} 608.5 K
 LHP INLET ENTHALPY 1.553E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.71 K
 MASS FLUX 13.98 KG/SEC-M**2
 INLET QUALITY .531
 INLET ENTHALPY 1.755E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .435
 NET LHP POWER TO FLUID 542.1 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.219	1.321	655.7	.609	.496

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2
.013	721.3	.532	7.68E+03
.025	698.4	.532	7.68E+03
.051	663.0	.534	7.63E+03
.076	652.3	.536	7.56E+03
.102	643.7	.537	7.45E+03
.127	643.8	.539	7.48E+03
.152	643.5	.541	7.47E+03
.305	661.2	.551	7.67E+03
.381	676.7	.556	7.47E+03
.457	686.9	.561	7.45E+03
.533	698.9	.566	7.42E+03
.610	710.2	.571	7.38E+03
.686	720.1	.575	7.39E+03
.762	732.4	.580	7.32E+03
.838	743.8	.585	7.32E+03
.914	751.8	.590	7.29E+03
.991	763.8	.595	7.32E+03
1.067	772.0	.600	7.33E+03
1.143	771.0	.605	7.33E+03
1.194	774.7	.608	6.73E+03
1.245	764.6	.611	7.26E+03
1.295	777.4	.614	7.28E+03
1.372	794.3	.619	7.33E+03
1.448	808.6	.624	7.35E+03
1.499	811.0	.627	6.75E+03
1.549	811.7	.630	7.32E+03
1.600	822.4	.633	7.28E+03
1.676	840.7	.638	7.24E+03
1.753	852.7	.643	7.29E+03
1.803	851.1	.646	6.60E+03
1.854	833.9	.649	7.22E+03
1.905	842.7	.652	7.21E+03
1.981	862.0	.657	7.06E+03
2.057	825.0	.660	3.24E+03

INEL POST-CHF EXPERIMENT NO. 10

POINT SERIAL NO. 2010.010 (TIME= 300.50 SEC)

LOOP PRESSURE(PE-3) 16.19 MPA
 FCV TEMPERATURE(TE-FCV-11) 608.5 K
 LHP INLET ENTHALPY 1.553E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.71 K
 MASS FLUX 13.98 KG/SEC-M**2
 INLET QUALITY .531
 INLET ENTHALPY 1.755E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .435
 NET LHP POWER TO FLUID 542.1 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.524 1.626 702.2 .628 .493

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX
 (M) (K) W/M**2

.013 721.3 .532 7.68E+03
 .025 698.4 .532 7.68E+03
 .051 663.0 .534 7.63E+03
 .076 652.3 .536 7.56E+03
 .102 643.7 .537 7.45E+03
 .127 643.8 .539 7.48E+03
 .152 643.5 .541 7.47E+03
 .305 661.2 .551 7.67E+03
 .381 676.7 .556 7.47E+03
 .457 686.9 .561 7.45E+03
 .533 698.9 .566 7.42E+03
 .610 710.2 .571 7.38E+03
 .686 720.1 .575 7.39E+03
 .762 732.4 .580 7.30E+03
 .838 743.8 .585 7.32E+03
 .914 751.8 .590 7.29E+03
 .991 763.8 .595 7.32E+03
 1.067 772.0 .600 7.33E+03
 1.143 771.0 .605 7.33E+03
 1.194 774.7 .608 6.73E+03
 1.245 764.6 .611 7.26E+03
 1.295 777.4 .614 7.28E+03
 1.372 794.3 .619 7.33E+03
 1.448 808.6 .624 7.35E+03
 1.499 811.0 .627 6.75E+03
 1.549 811.7 .630 7.32E+03
 1.600 822.4 .633 7.28E+03
 1.676 840.7 .638 7.24E+03
 1.753 852.7 .643 7.29E+03
 1.803 851.1 .646 6.60E+03
 1.854 833.9 .649 7.22E+03
 1.905 842.7 .652 7.21E+03
 1.981 862.0 .657 7.06E+03
 2.057 825.0 .660 3.24E+03

INEL POST-CHF EXPERIMENT NO. 12

POINT SERIAL NO. 1012.010 (TIME= 310.50 SEC)

LOOP PRESSURE(PE-3) 16.32 MPA
 FCV TEMPERATURE(TE-FCV-11) 610.0 K
 LHP INLET ENTHALPY 1.563E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.77 K
 MASS FLUX 19.11 KG/SEC-M**2
 INLET QUALITY .556
 INLET ENTHALPY 1.809E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .440
 NET LHP POWER TO FLUID 891.1 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.219 1.321 756.4 .720 .540

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX
 (M) (K) W/M**2

.013 752.9 .558 2.15E+04
 .025 749.0 .560 2.14E+04
 .051 745.2 .563 2.12E+04
 .076 752.5 .567 2.11E+04
 .102 756.7 .570 2.10E+04
 .127 765.8 .574 2.10E+04
 .152 772.5 .577 2.09E+04
 .305 813.4 .598 2.10E+04
 .381 836.6 .608 2.09E+04
 .457 849.8 .619 2.08E+04
 .533 864.6 .629 2.08E+04
 .610 878.5 .639 2.08E+04
 .686 891.1 .649 2.08E+04
 .762 905.4 .659 2.08E+04
 .838 919.2 .670 2.07E+04
 .914 931.3 .680 2.06E+04
 .991 949.2 .690 2.06E+04
 1.067 962.8 .700 2.05E+04
 1.143 960.6 .710 2.04E+04
 1.194 963.4 .717 1.91E+04
 1.245 910.3 .723 2.07E+04
 1.295 945.3 .730 2.06E+04
 1.372 969.9 .740 2.05E+04
 1.448 993.3 .750 2.04E+04
 1.499 997.0 .757 1.89E+04
 1.549 993.4 .763 2.05E+04
 1.600 1007.4 .770 2.04E+04
 1.676 1034.6 .780 2.02E+04
 1.753 1052.1 .790 2.02E+04
 1.803 1050.2 .796 1.88E+04
 1.854 1020.2 .803 2.03E+04
 1.905 1029.8 .809 2.03E+04
 1.981 1036.1 .819 2.01E+04
 2.057 987.3 .829 2.03E+04

INEL POST-CHF EXPERIMENT NO. 12

POINT SERIAL NO. 2012.010 (TIME= 310.50 SEC)

LOOP PRESSURE(PE-3) 16.32 MPA
 FCV TEMPERATURE(TE-FCV-1T) 610.0 K
 LHP INLET ENTHALPY 1.563E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.77 K
 MASS FLUX 19.11 KG/SEC-M**2
 INLET QUALITY .556
 INLET ENTHALPY 1.809E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .440
 NET LHP POWER TO FLUID 891.1 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.524	1.626	840.7	.760	.535

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2
.013	752.9	.558	2.15E+04
.025	749.0	.560	2.14E+04
.051	745.2	.563	2.12E+04
.076	752.5	.567	2.11E+04
.102	756.7	.570	2.10E+04
.127	765.8	.574	2.10E+04
.152	772.5	.577	2.09E+04
.305	813.4	.598	2.10E+04
.381	836.6	.608	2.09E+04
.457	849.8	.619	2.08E+04
.533	864.6	.629	2.08E+04
.610	878.5	.639	2.08E+04
.686	891.1	.649	2.08E+04
.762	905.4	.659	2.08E+04
.838	919.2	.670	2.07E+04
.914	931.3	.680	2.06E+04
.991	949.2	.690	2.06E+04
1.067	962.8	.700	2.05E+04
1.143	960.6	.710	2.04E+04
1.194	963.4	.717	1.91E+04
1.245	930.3	.723	2.07E+04
1.295	945.3	.730	2.06E+04
1.372	969.9	.740	2.05E+04
1.448	993.3	.750	2.04E+04
1.499	997.0	.757	1.89E+04
1.549	993.4	.763	2.05E+04
1.600	1007.4	.770	2.04E+04
1.676	1034.6	.780	2.02E+04
1.753	1052.1	.790	2.02E+04
1.803	1050.2	.796	1.88E+04
1.854	1020.2	.803	2.03E+04
1.905	1029.8	.809	2.03E+04
1.981	1036.1	.819	2.01E+04
2.057	987.3	.829	2.03E+04

INEL POST-CHF EXPERIMENT NO. 14

POINT SERIAL NO. 1014.010 (TIME= 299.50 SEC)

LOOP PRESSURE(PE-3) 16.21 MPA
 FCV TEMPERATURE(TE-FCV-1T) 610.8 K
 LHP INLET ENTHALPY 1.570E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.99 K
 MASS FLUX 19.28 KG/SEC-M**2
 INLET QUALITY .574
 INLET ENTHALPY 1.847E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .443
 NET LHP POWER TO FLUID 1014.8 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.219	1.321	744.2	.732	.556

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2
.013	738.9	.576	2.01E+04
.025	733.3	.577	2.01E+04
.051	728.0	.581	2.01E+04
.076	734.8	.584	2.02E+04
.102	738.8	.587	2.03E+04
.127	747.9	.590	2.03E+04
.152	755.1	.594	2.04E+04
.305	798.5	.614	2.05E+04
.381	822.5	.624	2.05E+04
.457	836.5	.634	2.05E+04
.533	851.7	.644	2.05E+04
.610	865.3	.654	2.05E+04
.686	877.7	.663	2.05E+04
.762	891.8	.673	2.04E+04
.838	905.2	.683	2.04E+04
.914	917.5	.693	2.04E+04
.991	935.4	.703	2.04E+04
1.067	949.2	.713	2.03E+04
1.143	947.8	.723	2.03E+04
1.194	950.5	.729	1.89E+04
1.245	916.8	.736	2.02E+04
1.295	932.0	.742	2.02E+04
1.372	958.1	.752	2.02E+04
1.448	982.2	.762	2.01E+04
1.499	987.1	.768	1.87E+04
1.549	983.3	.774	2.00E+04
1.600	997.2	.781	2.00E+04
1.676	1024.7	.791	2.00E+04
1.753	1043.1	.800	2.00E+04
1.803	1041.6	.807	1.85E+04
1.854	1011.7	.813	2.01E+04
1.905	1022.5	.819	2.00E+04
1.981	1032.8	.829	2.00E+04
2.057	984.1	.839	2.02E+04

INEL POST-CHF EXPERIMENT NO. 14

POINT SERIAL NO. 2014.010 (TIME= 299.50 SEC)

LOOP PRESSURE(PE-3) 16.21 MPA
 FCV TEMPERATURE(TE-FCV-1T) 610.8 K
 LHP INLET ENTHALPY 1.570E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.99 K
 MASS FLUX 19.28 KG/SEC-M**2
 INLET QUALITY .574
 INLET ENTHALPY 1.847E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .443
 NET LHP POWER TO FLUID 1014.8 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION	DZQF	IV	XE XA
(M)	(M)	(K)	
1.524	1.626	835.3	.771 .546

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION	TEMP	XE	HEAT FLUX
(M)	(K)		W/M**2
.013	738.9	.576	2.01E+04
.025	733.3	.577	2.01E+04
.051	728.0	.581	2.01E+04
.076	734.8	.584	2.02E+04
.102	738.8	.587	2.03E+04
.127	747.9	.590	2.03E+04
.152	755.1	.594	2.04E+04
.305	798.5	.614	2.05E+04
.381	822.5	.624	2.05E+04
.457	836.5	.634	2.05E+04
.533	851.7	.644	2.05E+04
.610	865.3	.654	2.05E+04
.686	877.7	.663	2.05E+04
.762	891.8	.673	2.04E+04
.838	905.2	.683	2.04E+04
.914	917.5	.693	2.04E+04
.991	935.4	.703	2.04E+04
1.067	949.2	.713	2.03E+04
1.143	947.8	.723	2.03E+04
1.194	950.5	.729	1.89E+04
1.245	916.8	.736	2.02E+04
1.295	932.0	.742	2.02E+04
1.372	958.1	.752	2.02E+04
1.448	982.2	.762	2.01E+04
1.499	987.1	.768	1.87E+04
1.549	983.3	.774	2.00E+04
1.600	997.2	.781	2.00E+04
1.676	1024.7	.791	2.00E+04
1.753	1043.1	.800	2.00E+04
1.803	1041.6	.807	1.85E+04
1.854	1011.7	.813	2.01E+04
1.905	1022.5	.819	2.00E+04
1.981	1032.8	.829	2.00E+04
2.057	984.1	.839	2.02E+04

INEL POST-CHF EXPERIMENT NO. 15

POINT SERIAL NO. 1015.010 (TIME= 249.50 SEC)

LOOP PRESSURE(PE-3) 16.30 MPA
 FCV TEMPERATURE(TE-FCV-1T) 610.1 K
 LHP INLET ENTHALPY 1.564E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.87 K
 MASS FLUX 17.86 KG/SEC-M**2
 INLET QUALITY .562
 INLET ENTHALPY 1.822E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .440
 NET LHP POWER TO FLUID 900.5 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION	DZQF	IV	XE XA
(M)	(M)	(K)	
1.219	1.321	722.7	.709 .547

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION	TEMP	XE	HEAT FLUX
(M)	(K)		W/M**2
.013	737.5	.564	1.83E+04
.025	729.3	.566	1.82E+04
.051	718.7	.569	1.81E+04
.076	721.6	.572	1.80E+04
.102	723.3	.575	1.80E+04
.127	730.6	.578	1.80E+04
.152	735.8	.581	1.79E+04
.305	773.0	.599	1.79E+04
.381	794.2	.608	1.79E+04
.457	806.7	.618	1.79E+04
.533	820.9	.627	1.79E+04
.610	834.1	.636	1.79E+04
.686	845.8	.645	1.79E+04
.762	859.7	.654	1.79E+04
.838	872.8	.663	1.79E+04
.914	884.2	.673	1.79E+04
.991	901.3	.682	1.78E+04
1.067	913.9	.691	1.78E+04
1.143	911.7	.700	1.78E+04
1.194	915.0	.706	1.65E+04
1.245	886.3	.712	1.78E+04
1.295	900.5	.718	1.79E+04
1.372	925.0	.727	1.78E+04
1.448	947.3	.736	1.77E+04
1.499	951.6	.742	1.64E+04
1.549	948.1	.748	1.76E+04
1.600	961.2	.754	1.76E+04
1.676	986.7	.763	1.75E+04
1.753	1004.2	.772	1.75E+04
1.803	1002.3	.777	1.62E+04
1.854	973.2	.783	1.76E+04
1.905	984.0	.789	1.75E+04
1.981	1006.5	.798	1.75E+04
2.057	956.4	.807	1.77E+04

INEL POST-CHF EXPERIMENT NO. 15

POINT SERIAL NO. 2015.010 (TIME= 249.50 SEC)

LOOP PRESSURE(PE-3) 16.30 MPA
 FCV TEMPERATURE(TE-FCV-1T) 610.1 K
 LHP INLET ENTHALPY 1.564E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.87 K
 MASS FLUX 17.86 KG/SEC-M**2
 INLET QUALITY .562
 INLET ENTHALPY 1.822E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .440
 NET LHP POWER TO FLUID 900.5 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.524	1.626	806.3	.745	.539

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2
.013	737.5	.564	1.83E+04
.025	729.3	.566	1.82E+04
.051	718.7	.569	1.81E+04
.076	721.6	.572	1.80E+04
.102	723.3	.575	1.80E+04
.127	730.6	.578	1.80E+04
.152	735.8	.581	1.79E+04
.305	773.0	.599	1.79E+04
.381	794.2	.608	1.79E+04
.457	806.7	.618	1.79E+04
.533	820.9	.627	1.79E+04
.610	834.1	.636	1.79E+04
.686	845.8	.645	1.79E+04
.762	859.7	.654	1.79E+04
.838	872.8	.663	1.79E+04
.914	884.2	.673	1.79E+04
.991	901.3	.682	1.78E+04
1.067	913.9	.691	1.78E+04
1.143	911.7	.700	1.78E+04
1.194	915.0	.706	1.65E+04
1.245	886.3	.712	1.78E+04
1.295	900.5	.718	1.79E+04
1.372	925.0	.727	1.78E+04
1.448	947.3	.736	1.77E+04
1.499	951.6	.742	1.64E+04
1.549	948.1	.748	1.76E+04
1.600	961.2	.754	1.76E+04
1.676	986.7	.763	1.75E+04
1.753	1004.2	.772	1.75E+04
1.803	1002.3	.777	1.62E+04
1.854	973.2	.783	1.76E+04
1.905	984.0	.789	1.75E+04
1.981	1006.5	.798	1.75E+04
2.057	956.4	.807	1.77E+04

INEL POST-CHF EXPERIMENT NO. 16

POINT SERIAL NO. 1016.010 (TIME= 209.50 SEC)

LOOP PRESSURE(PE-3) 16.25 MPA
 FCV TEMPERATURE(TE-FCV-1T) 609.9 K
 LHP INLET ENTHALPY 1.563E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.95 K
 MASS FLUX 18.30 KG/SEC-M**2
 INLET QUALITY .576
 INLET ENTHALPY 1.851E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .439
 NET LHP POWER TO FLUID 1006.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.219	1.321	681.4	.697	.554

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2
.013	718.1	.577	1.52E+04
.025	705.0	.578	1.52E+04
.051	687.0	.581	1.51E+04
.076	687.1	.583	1.51E+04
.102	686.6	.586	1.50E+04
.127	691.7	.589	1.50E+04
.152	695.7	.591	1.49E+04
.305	728.1	.606	1.48E+04
.381	746.9	.614	1.48E+04
.457	758.3	.622	1.48E+04
.533	771.5	.629	1.48E+04
.610	783.5	.637	1.48E+04
.686	795.0	.644	1.48E+04
.762	808.1	.652	1.48E+04
.838	821.3	.659	1.49E+04
.914	832.2	.667	1.49E+04
.991	847.2	.675	1.48E+04
1.067	858.9	.682	1.48E+04
1.143	858.5	.690	1.49E+04
1.194	861.6	.695	1.37E+04
1.245	836.7	.699	1.49E+04
1.295	849.7	.705	1.49E+04
1.372	872.8	.712	1.49E+04
1.448	892.8	.720	1.49E+04
1.499	896.8	.725	1.38E+04
1.549	893.4	.730	1.49E+04
1.600	905.9	.735	1.48E+04
1.676	929.8	.742	1.47E+04
1.753	946.5	.750	1.47E+04
1.803	944.3	.755	1.36E+04
1.854	917.8	.759	1.48E+04
1.905	928.6	.764	1.48E+04
1.981	959.3	.772	1.47E+04
2.057	930.1	.779	1.47E+04

INEL POST-CHF EXPERIMENT NO. 16

POINT SERIAL NO. 2016.010 (TIME= 209.50 SEC)

LOOP PRESSURE(PE-3) 16.25 MPA
 FCV TEMPERATURE(TE-FCV-1T) 609.9 K
 LHP INLET ENTHALPY 1.563E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.95 K
 MASS FLUX 18.30 KG/SEC-M**2
 INLET QUALITY .576
 INLET ENTHALPY 1.851E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .439
 NET LHP POWER TO FLUID 1006.0 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	IV (K)	XE	XA
1.524	1.626	755.4	.727	.547

WALL TEMPERATURE MEASUREMENT			LOCATION INFORMATION
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2
.013	718.1	.577	1.52E+04
.025	705.0	.578	1.52E+04
.051	687.0	.581	1.51E+04
.076	687.1	.583	1.51E+04
.102	686.6	.586	1.50E+04
.127	691.7	.589	1.50E+04
.152	695.7	.591	1.49E+04
.305	728.1	.606	1.48E+04
.381	746.9	.614	1.48E+04
.457	758.3	.622	1.48E+04
.533	771.5	.629	1.48E+04
.610	783.5	.637	1.48E+04
.686	795.0	.644	1.48E+04
.762	808.1	.652	1.48E+04
.838	821.3	.659	1.49E+04
.914	832.2	.667	1.49E+04
.991	847.2	.675	1.48E+04
1.067	858.9	.682	1.48E+04
1.143	858.5	.690	1.49E+04
1.194	861.6	.695	1.37E+04
1.245	836.7	.699	1.49E+04
1.295	849.7	.705	1.49E+04
1.372	872.8	.712	1.49E+04
1.448	892.8	.720	1.49E+04
1.499	896.8	.725	1.38E+04
1.549	893.4	.730	1.49E+04
1.600	905.9	.735	1.48E+04
1.676	929.8	.742	1.47E+04
1.753	946.5	.750	1.47E+04
1.803	944.3	.755	1.36E+04
1.854	917.8	.759	1.48E+04
1.905	928.6	.764	1.48E+04
1.981	959.3	.772	1.47E+04
2.057	930.1	.779	1.47E+04

INEL POST-CHF EXPERIMENT NO. 17

POINT SERIAL NO. 1017.010 (TIME= 162.50 SEC)

LOOP PRESSURE(PE-3) 16.16 MPA
 FCV TEMPERATURE(TE-FCV-1T) 609.8 K
 LHP INLET ENTHALPY 1.563E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.88 K
 MASS FLUX 17.66 KG/SEC-M**2
 INLET QUALITY .537
 INLET ENTHALPY 1.769E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .439
 NET LHP POWER TO FLUID 708.4 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	IV (K)	XE	XA
1.219	1.321	662.6	.632	.512

WALL TEMPERATURE MEASUREMENT			LOCATION INFORMATION
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2
.013	711.4	.538	9.99E+03
.025	692.6	.539	1.04E+04
.051	666.9	.540	1.09E+04
.076	663.2	.542	1.11E+04
.102	660.3	.544	1.12E+04
.127	664.0	.546	1.13E+04
.152	667.1	.548	1.13E+04
.305	695.3	.560	1.15E+04
.381	712.0	.566	1.15E+04
.457	722.2	.572	1.16E+04
.533	734.1	.578	1.16E+04
.610	745.1	.584	1.16E+04
.686	755.7	.590	1.16E+04
.762	767.9	.596	1.16E+04
.838	780.7	.602	1.16E+04
.914	790.3	.608	1.16E+04
.991	804.1	.614	1.16E+04
1.067	814.8	.620	1.16E+04
1.143	814.9	.626	1.17E+04
1.194	817.8	.630	1.09E+04
1.245	795.6	.634	1.15E+04
1.295	808.3	.638	1.15E+04
1.372	830.0	.644	1.16E+04
1.448	848.0	.650	1.16E+04
1.499	851.2	.654	1.08E+04
1.549	848.0	.657	1.17E+04
1.600	860.1	.661	1.17E+04
1.676	882.5	.668	1.17E+04
1.753	898.0	.674	1.17E+04
1.803	895.5	.677	1.09E+04
1.854	871.1	.681	1.18E+04
1.905	882.0	.685	1.18E+04
1.981	909.5	.692	1.17E+04
2.057	903.3	.698	1.18E+04

INEL POST-CHF EXPERIMENT NO. 17

POINT SERIAL NO. 2017.010 (TIME= 162.50 SEC)

LOOP PRESSURE(PE-3) 16.16 MPA
 FCV TEMPERATURE(TE-FCV-1T) 609.8 K
 LHP INLET ENTHALPY 1.563E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.88 K
 MASS FLUX 17.66 KG/SEC-M**2
 INLET QUALITY .537
 INLET ENTHALPY 1.769E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .439
 NET LHP POWER TO FLUID 708.4 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.524	1.626	721.2	.655	.506

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION			
ELEVATION	TEMP	XE	HEAT FLUX
(M)	(K)		W/M**2
.013	711.4	.538	9.99E+03
.025	692.6	.539	1.04E+04
.051	666.9	.540	1.09E+04
.076	663.2	.542	1.11E+04
.102	660.3	.544	1.12E+04
.127	664.0	.546	1.13E+04
.152	667.1	.548	1.13E+04
.305	695.3	.560	1.15E+04
.381	712.0	.566	1.15E+04
.457	722.2	.572	1.16E+04
.533	734.1	.578	1.16E+04
.610	745.1	.584	1.16E+04
.686	755.7	.590	1.16E+04
.762	767.9	.596	1.16E+04
.838	780.7	.602	1.16E+04
.914	790.3	.608	1.16E+04
.991	804.1	.614	1.16E+04
1.067	814.8	.620	1.16E+04
1.143	814.9	.626	1.17E+04
1.194	817.8	.630	1.09E+04
1.245	795.6	.634	1.15E+04
1.295	808.3	.638	1.15E+04
1.372	830.0	.644	1.16E+04
1.448	848.0	.650	1.16E+04
1.499	851.2	.654	1.08E+04
1.549	848.0	.657	1.17E+04
1.600	860.1	.661	1.17E+04
1.676	882.5	.668	1.17E+04
1.753	898.0	.674	1.17E+04
1.803	895.5	.677	1.09E+04
1.854	871.1	.681	1.18E+04
1.905	882.0	.685	1.18E+04
1.981	909.5	.692	1.17E+04
2.057	903.3	.698	1.18E+04

INEL POST-CHF EXPERIMENT NO. 18

POINT SERIAL NO. 1018.010 (TIME= 199.50 SEC)

LOOP PRESSURE(PE-3) 16.18 MPA
 FCV TEMPERATURE(TE-FCV-1T) 610.2 K
 LHP INLET ENTHALPY 1.565E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.70 K
 MASS FLUX 17.38 KG/SEC-M**2
 INLET QUALITY .560
 INLET ENTHALPY 1.817E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .441
 NET LHP POWER TO FLUID 859.8 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.219	1.321	628.9	.642	.534

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION			
ELEVATION	TEMP	XE	HEAT FLUX
(M)	(K)		W/M**2
.013	696.9	.561	1.03E+04
.025	676.9	.562	1.02E+04
.051	646.6	.563	1.01E+04
.076	640.5	.565	1.00E+04
.102	635.5	.567	1.00E+04
.127	637.9	.569	1.00E+04
.152	639.9	.570	9.99E+03
.305	663.7	.581	9.95E+03
.381	678.1	.586	9.94E+03
.457	686.9	.591	9.94E+03
.533	697.5	.596	9.91E+03
.610	707.3	.601	9.90E+03
.686	716.9	.607	9.89E+03
.762	728.1	.612	9.91E+03
.838	739.8	.617	9.92E+03
.914	748.5	.622	9.90E+03
.991	760.5	.627	9.90E+03
1.067	770.2	.632	9.84E+03
1.143	770.2	.638	9.92E+03
1.194	773.7	.641	9.10E+03
1.245	754.3	.644	9.97E+03
1.295	765.8	.648	9.97E+03
1.372	786.4	.653	9.96E+03
1.448	802.4	.658	9.97E+03
1.499	805.2	.661	9.19E+03
1.549	802.3	.665	9.94E+03
1.600	814.1	.668	9.95E+03
1.676	835.2	.673	9.90E+03
1.753	849.5	.678	9.91E+03
1.803	847.2	.682	9.14E+03
1.854	825.2	.685	1.01E+04
1.905	836.2	.689	1.00E+04
1.981	863.5	.694	9.99E+03
2.057	861.8	.699	1.01E+04

INEL POST-CHF EXPERIMENT NO. 18

POINT SERIAL NO. 2018.010 (TIME= 199.50 SEC)

LOOP PRESSURE{PE-3} 16.18 MPA
 FCV TEMPERATURE{TE-FCV-1T} 610.2 K
 LHP INLET ENTHALPY 1.565E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.70 K
 MASS FLUX 17.38 KG/SEC-M**2
 INLET QUALITY .560
 INLET ENTHALPY 1.817E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .441
 NET LHP POWER TO FLUID 859.8 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.524 1.626 681.0 .663 .528

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX
 (M) (K) W/M**2

.013 696.9 .561 1.03E+04
 .025 676.9 .562 1.02E+04
 .051 646.6 .563 1.01E+04
 .076 640.5 .565 1.00E+04
 .102 635.5 .567 1.00E+04
 .127 637.9 .569 1.00E+04
 .152 639.9 .570 9.99E+03
 .305 663.7 .581 9.95E+03
 .381 678.1 .586 9.94E+03
 .457 686.9 .591 9.94E+03
 .533 697.5 .596 9.91E+03
 .610 707.3 .601 9.90E+03
 .686 716.9 .607 9.89E+03
 .762 728.1 .612 9.91E+03
 .838 739.8 .617 9.92E+03
 .914 748.5 .622 9.90E+03
 .991 760.5 .627 9.90E+03
 1.067 770.2 .632 9.84E+03
 1.143 770.2 .638 9.92E+03
 1.194 773.7 .641 9.10E+03
 1.245 754.3 .644 9.97E+03
 1.295 765.8 .648 9.97E+03
 1.372 786.4 .653 9.96E+03
 1.448 802.4 .658 9.97E+03
 1.499 805.2 .661 9.19E+03
 1.549 802.3 .665 9.94E+03
 1.600 814.1 .668 9.95E+03
 1.676 835.2 .673 9.90E+03
 1.753 849.5 .678 9.91E+03
 1.803 847.2 .682 9.14E+03
 1.854 825.2 .685 1.01E+04
 1.905 836.2 .689 1.00E+04
 1.981 863.5 .694 9.99E+03
 2.057 861.8 .699 1.01E+04

INEL POST-CHF EXPERIMENT NO. 19

POINT SERIAL NO. 1019.010 (TIME= 349.50 SEC)

LOOP PRESSURE{PE-3} 16.26 MPA
 FCV TEMPERATURE{TE-FCV-1T} 609.8 K
 LHP INLET ENTHALPY 1.562E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.91 K
 MASS FLUX 18.15 KG/SEC-M**2
 INLET QUALITY .545
 INLET ENTHALPY 1.785E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .439
 NET LHP POWER TO FLUID 779.2 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.219 1.321 610.4 .608 .513

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX
 (M) (K) W/M**2

.013 694.1 .545 6.31E+03
 .025 669.4 .546 6.82E+03
 .051 634.8 .547 7.28E+03
 .076 626.7 .548 7.52E+03
 .102 620.5 .550 7.72E+03
 .127 622.4 .551 7.71E+03
 .152 623.7 .552 7.82E+03
 .305 644.6 .560 7.85E+03
 .381 657.6 .564 7.89E+03
 .457 664.9 .568 7.93E+03
 .533 674.6 .572 7.91E+03
 .610 683.7 .576 7.88E+03
 .686 692.0 .580 7.87E+03
 .762 702.5 .584 7.86E+03
 .838 713.1 .589 7.85E+03
 .914 720.5 .593 7.92E+03
 .991 731.7 .597 7.84E+03
 1.067 740.3 .601 7.88E+03
 1.143 739.3 .605 8.00E+03
 1.194 740.8 .607 7.16E+03
 1.245 723.3 .610 7.65E+03
 1.295 736.3 .612 7.80E+03
 1.372 755.4 .616 7.78E+03
 1.448 769.8 .620 7.81E+03
 1.499 771.6 .623 7.20E+03
 1.549 768.3 .625 7.95E+03
 1.600 779.3 .628 7.89E+03
 1.676 798.9 .632 7.89E+03
 1.753 812.0 .636 7.92E+03
 1.803 809.5 .639 7.32E+03
 1.854 788.6 .641 8.01E+03
 1.905 799.8 .644 8.02E+03
 1.981 827.2 .648 7.99E+03
 2.057 827.1 .652 8.02E+03

INEL POST-CHF EXPERIMENT NO. 19

POINT SERIAL NO. 2019.010 (TIME= 349.50 SEC)

LOOP PRESSURE(PE-3) 16.26 MPA
 FCV TEMPERATURE(TE-FCV-1T) 609.8 K
 LHP INLET ENTHALPY 1.562E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.91 K
 MASS FLUX 18.15 KG/SEC-M**2
 INLET QUALITY .545
 INLET ENTHALPY 1.785E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .439
 NET LHP POWER TO FLUID 779.2 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.524	1.626	660.0	.624	.506

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2
.013	694.1	.545	6.31E+03
.025	669.4	.546	6.82E+03
.051	634.8	.547	7.28E+03
.076	626.7	.548	7.52E+03
.102	620.5	.550	7.72E+03
.127	622.4	.551	7.71E+03
.152	623.7	.552	7.82E+03
.305	644.6	.560	7.85E+03
.381	657.6	.564	7.89E+03
.457	664.9	.568	7.93E+03
.533	674.6	.572	7.91E+03
.610	683.7	.576	7.88E+03
.686	692.0	.580	7.87E+03
.762	702.5	.584	7.86E+03
.838	713.1	.589	7.85E+03
.914	720.5	.593	7.92E+03
.991	731.7	.597	7.84E+03
1.067	740.3	.601	7.88E+03
1.143	739.3	.605	8.00E+03
1.194	740.8	.607	7.16E+03
1.245	723.3	.610	7.65E+03
1.295	736.3	.612	7.80E+03
1.372	755.4	.616	7.78E+03
1.448	769.8	.620	7.81E+03
1.499	771.6	.623	7.20E+03
1.549	768.3	.625	7.95E+03
1.600	779.3	.628	7.89E+03
1.676	798.9	.632	7.89E+03
1.753	812.0	.636	7.92E+03
1.803	809.5	.639	7.32E+03
1.854	788.6	.641	8.01E+03
1.905	799.8	.644	8.02E+03
1.981	827.2	.648	7.99E+03
2.057	827.1	.652	8.02E+03

INEL POST-CHF EXPERIMENT NO. 20

POINT SERIAL NO. 1020.010 (TIME= 300.50 SEC)

LOOP PRESSURE(PE-3) 16.25 MPA
 FCV TEMPERATURE(TE-FCV-1T) 609.7 K
 LHP INLET ENTHALPY 1.562E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.90 K
 MASS FLUX 18.00 KG/SEC-M**2
 INLET QUALITY .554
 INLET ENTHALPY 1.804E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .439
 NET LHP POWER TO FLUID 850.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.219	1.321	607.3	.618	.522

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2
.013	688.9	.554	8.26E+03
.025	667.5	.555	8.23E+03
.051	634.4	.556	8.11E+03
.076	626.8	.558	8.09E+03
.102	621.0	.559	8.13E+03
.127	622.4	.560	8.10E+03
.152	623.8	.562	8.10E+03
.305	643.4	.570	8.02E+03
.381	655.9	.574	8.00E+03
.457	663.2	.578	7.94E+03
.533	673.0	.582	7.94E+03
.610	681.8	.586	7.93E+03
.686	690.3	.590	7.91E+03
.762	700.2	.594	7.89E+03
.838	710.2	.598	7.88E+03
.914	717.4	.602	7.87E+03
.991	729.1	.606	7.83E+03
1.067	736.7	.610	7.83E+03
1.143	736.2	.614	7.82E+03
1.194	740.1	.617	7.15E+03
1.245	722.9	.619	7.85E+03
1.295	732.9	.622	7.86E+03
1.372	749.9	.626	7.79E+03
1.448	762.9	.630	7.79E+03
1.499	762.8	.632	7.09E+03
1.549	758.3	.635	7.73E+03
1.600	770.2	.637	7.75E+03
1.676	790.5	.641	7.70E+03
1.753	803.1	.645	7.67E+03
1.803	800.0	.648	7.04E+03
1.854	778.6	.650	7.73E+03
1.905	789.9	.653	7.76E+03
1.981	817.4	.657	7.77E+03
2.057	815.2	.661	7.74E+03

INEL POST-CHF EXPERIMENT NO. 20

POINT SERIAL NO. 2020.010 (TIME= 300.50 SEC)

LOOP PRESSURE(PE-3) 15.25 MPA
 FCV TEMPERATURE(TE-FCV-1T) 609.7 K
 LHP INLET ENTHALPY 1.562E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.90 K
 MASS FLUX 18.00 KG/SEC-M**2
 INLET QUALITY .554
 INLET ENTHALPY 1.804E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.9000 M/SEC
 QUALITY .439
 NET LHP POWER TO FLUID 850.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE XA

1.524	1.626	645.6	.633 .519
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WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2

.013	688.9	.554	8.26E+03
.025	667.5	.555	8.23E+03
.051	634.4	.556	8.11E+03
.076	626.8	.558	8.09E+03
.102	621.6	.559	8.13E+03
.127	622.4	.560	8.10E+03
.152	623.8	.562	8.10E+03
.305	643.4	.570	8.02E+03
.381	655.9	.574	8.00E+03
.457	663.2	.578	7.94E+03
.533	673.0	.582	7.94E+03
.610	681.8	.586	7.93E+03
.686	690.3	.590	7.91E+03
.762	700.2	.594	7.89E+03
.838	710.2	.598	7.88E+03
.914	717.4	.602	7.87E+03
.991	729.1	.606	7.83E+03
1.067	736.7	.610	7.83E+03
1.143	736.2	.614	7.82E+03
1.194	740.1	.617	7.15E+03
1.245	722.9	.619	7.85E+03
1.295	732.9	.622	7.86E+03
1.372	749.9	.626	7.79E+03
1.448	762.9	.630	7.79E+03
1.499	762.8	.632	7.09E+03
1.549	758.3	.635	7.73E+03
1.600	770.2	.637	7.75E+03
1.676	790.5	.641	7.70E+03
1.753	803.1	.645	7.67E+03
1.803	800.0	.648	7.04E+03
1.854	778.6	.650	7.73E+03
1.905	789.9	.653	7.76E+03
1.981	817.4	.657	7.77E+03
2.057	815.2	.661	7.74E+03

INEL POST-CHF EXPERIMENT NO. 21

POINT SERIAL NO. 2021.010 (TIME= 70.50 SEC)

LOOP PRESSURE(PE-3) 16.16 MPA
 FCV TEMPERATURE(TE-FCV-1T) 609.5 K
 LHP INLET ENTHALPY 1.560E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.89 K
 MASS FLUX 17.90 KG/SEC-M**2
 INLET QUALITY .558
 INLET ENTHALPY 1.813E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .438
 NET LHP POWER TO FLUID 873.4 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE XA

1.524	1.626	615.7	.617 .517
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WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2

.013	680.6	.558	5.74E+03
.025	656.4	.559	5.75E+03
.051	618.5	.560	5.75E+03
.076	609.0	.561	5.75E+03
.102	600.1	.562	5.75E+03
.127	600.9	.563	5.80E+03
.152	602.0	.564	5.80E+03
.305	618.2	.570	5.77E+03
.381	629.2	.573	5.76E+03
.457	635.8	.576	5.76E+03
.533	644.6	.579	5.76E+03
.610	652.8	.582	5.77E+03
.686	660.3	.585	5.76E+03
.762	670.1	.588	5.74E+03
.838	679.9	.590	5.72E+03
.914	686.6	.593	5.74E+03
.991	697.2	.596	5.73E+03
1.067	703.4	.599	5.73E+03
1.143	703.9	.602	5.74E+03
1.194	702.0	.604	5.36E+03
1.245	685.9	.606	5.86E+03
1.295	699.1	.608	5.72E+03
1.372	715.2	.611	5.72E+03
1.448	727.5	.614	5.73E+03
1.499	725.1	.616	5.24E+03
1.549	711.7	.618	5.69E+03
1.600	721.4	.620	5.72E+03
1.676	739.0	.623	5.74E+03
1.753	749.4	.626	5.74E+03
1.803	746.7	.627	5.29E+03
1.854	729.6	.629	5.73E+03
1.905	738.1	.631	5.73E+03
1.981	774.5	.634	5.68E+03
2.057	764.1	.637	6.13E+03

INEL POST-CHF EXPERIMENT NO. 22

POINT SERIAL NO. 1022.010 (TIME= 399.50 SEC)

LOOP PRESSURE(PE-3) 16.26 MPA
 FCV TEMPERATURE(TE-FCV-1T) 609.6 K
 LHP INLET ENTHALPY 1.561E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.72 K
 MASS FLUX 18.24 KG/SEC-M**2
 INLET QUALITY .569
 INLET ENTHALPY 1.835E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .439
 NET LHP POWER TO FLUID 974.5 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.219 1.321 716.5 .706 .547

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX
 (M) (K) W/M**2

.013 729.3 .570 1.70E+04
 .025 722.4 .572 1.71E+04
 .051 713.2 .574 1.71E+04
 .076 716.8 .577 1.71E+04
 .102 718.6 .580 1.71E+04
 .127 725.5 .583 1.71E+04
 .152 731.2 .586 1.71E+04
 .305 768.0 .603 1.72E+04
 .381 789.5 .612 1.72E+04
 .457 802.2 .620 1.73E+04
 .533 816.8 .629 1.73E+04
 .610 829.8 .638 1.73E+04
 .686 841.2 .646 1.73E+04
 .762 854.9 .655 1.73E+04
 .838 867.3 .664 1.72E+04
 .914 878.2 .672 1.73E+04
 .991 896.8 .681 1.72E+04
 1.067 909.0 .690 1.72E+04
 1.143 907.9 .698 1.72E+04
 1.194 910.5 .704 1.60E+04
 1.245 880.0 .709 1.71E+04
 1.295 893.8 .715 1.72E+04
 1.372 917.6 .724 1.72E+04
 1.448 939.5 .732 1.71E+04
 1.499 940.4 .738 1.59E+04
 1.549 932.0 .743 1.71E+04
 1.600 946.7 .749 1.70E+04
 1.676 975.7 .758 1.70E+04
 1.753 993.2 .766 1.69E+04
 1.803 991.3 .771 1.57E+04
 1.854 962.5 .777 1.59E+04
 1.905 971.8 .783 1.69E+04
 1.981 1000.2 .791 1.68E+04
 2.057 954.1 .799 1.68E+04

INEL POST-CHF EXPERIMENT NO. 22

POINT SERIAL NO. 2022.010 (TIME= 399.50 SEC)

LOOP PRESSURE(PE-3) 16.26 MPA
 FCV TEMPERATURE(TE-FCV-1T) 609.6 K
 LHP INLET ENTHALPY 1.561E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.72 K
 MASS FLUX 18.24 KG/SEC-M**2
 INLET QUALITY .569
 INLET ENTHALPY 1.835E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .439
 NET LHP POWER TO FLUID 974.5 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.524 1.626 774.3 .740 .548

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX
 (M) (K) W/M**2

.013 729.3 .570 1.70E+04
 .025 722.4 .572 1.71E+04
 .051 713.2 .574 1.71E+04
 .076 716.8 .577 1.71E+04
 .102 718.6 .580 1.71E+04
 .127 725.5 .583 1.71E+04
 .152 731.2 .586 1.71E+04
 .305 768.0 .603 1.72E+04
 .381 789.5 .612 1.72E+04
 .457 802.2 .620 1.73E+04
 .533 816.8 .629 1.73E+04
 .610 829.8 .638 1.73E+04
 .686 841.2 .646 1.73E+04
 .762 854.9 .655 1.73E+04
 .838 867.3 .664 1.72E+04
 .914 878.2 .672 1.73E+04
 .991 896.8 .681 1.72E+04
 1.067 909.0 .690 1.72E+04
 1.143 907.9 .698 1.72E+04
 1.194 910.5 .704 1.60E+04
 1.245 880.0 .709 1.71E+04
 1.295 893.8 .715 1.72E+04
 1.372 917.6 .724 1.72E+04
 1.448 939.5 .732 1.71E+04
 1.499 940.4 .738 1.59E+04
 1.549 932.0 .743 1.71E+04
 1.600 946.7 .749 1.70E+04
 1.676 975.7 .758 1.70E+04
 1.753 993.2 .766 1.69E+04
 1.803 991.3 .771 1.57E+04
 1.854 962.5 .777 1.69E+04
 1.905 971.8 .783 1.69E+04
 1.981 1000.2 .791 1.68E+04
 2.057 954.1 .799 1.68E+04

INEL POST-CHF EXPERIMENT NO. 24

POINT SERIAL NO. 1024.010 (TIME= 230.50 SEC)

LOG? PRESSURE(PE-3) 16.29 MPA
 FCV TEMPERATURE(TE-FCV-1T) 610.2 K
 LHP INLET ENTHALPY 1.565E+06 J/KG
 TEST SECTION:
 PRESSURE .79 MPA
 SAT TEMP 442.95 K
 MASS FLUX 17.60 KG/SEC-M**2
 INLET QUALITY .579
 INLET ENTHALPY 1.904E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .413
 NET LHP POWER TO FLUID 1159.7 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE XA
1.219	1.321	772.8	.753 .561

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2
.013	736.7	.581	2.07E+04
.025	732.6	.583	2.06E+04
.051	728.6	.586	2.05E+04
.076	735.4	.590	2.05E+04
.102	738.6	.594	2.06E+04
.127	746.7	.597	2.05E+04
.152	752.9	.601	2.05E+04
.305	789.7	.623	2.03E+04
.381	812.9	.634	2.05E+04
.457	828.4	.645	2.03E+04
.533	845.9	.656	2.05E+04
.610	861.7	.667	2.04E+04
.686	876.5	.677	2.03E+04
.762	892.4	.688	2.03E+04
.838	906.8	.699	2.03E+04
.914	919.7	.710	2.03E+04
.991	937.2	.721	2.02E+04
1.067	948.6	.732	2.01E+04
1.143	946.1	.743	2.02E+04
1.194	951.9	.750	1.87E+04
1.245	933.0	.757	2.01E+04
1.295	949.8	.764	2.01E+04
1.372	971.6	.775	2.02E+04
1.448	991.3	.785	2.01E+04
1.499	992.8	.792	1.86E+04
1.549	989.8	.799	1.99E+04
1.600	1004.1	.806	1.99E+04
1.676	1029.3	.817	1.99E+04
1.753	1044.2	.828	1.98E+04
1.803	1044.3	.834	1.84E+04
1.854	1020.8	.841	2.00E+04
1.905	1028.6	.848	1.98E+04
1.981	1030.8	.859	2.00E+04
2.057	977.8	.870	2.02E+04

INEL POST-CHF EXPERIMENT NO. 24

POINT SERIAL NO. 2024.010 (TIME= 230.50 SEC)

LOOP PRESSURE(PE-3) 16.29 MPA
 FCV TEMPERATURE(TE-FCV-1T) 610.2 K
 LHP INLET ENTHALPY 1.565E+06 J/KG
 TEST SECTION:
 PRESSURE .79 MPA
 SAT TEMP 442.95 K
 MASS FLUX 17.60 KG/SEC-M**2
 INLET QUALITY .579
 INLET ENTHALPY 1.904E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .413
 NET LHP POWER TO FLUID 1159.7 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE XA
1.524	1.626	832.5	.796 .566

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2
.013	736.7	.581	2.07E+04
.025	732.6	.583	2.06E+04
.051	728.6	.586	2.05E+04
.076	735.4	.590	2.05E+04
.102	738.6	.594	2.06E+04
.127	746.7	.597	2.05E+04
.152	752.9	.601	2.05E+04
.305	789.7	.623	2.03E+04
.381	812.9	.634	2.05E+04
.457	828.4	.645	2.03E+04
.533	845.9	.656	2.05E+04
.610	861.7	.667	2.04E+04
.686	876.5	.677	2.03E+04
.762	892.4	.688	2.03E+04
.838	906.8	.699	2.03E+04
.914	919.7	.710	2.03E+04
.991	937.2	.721	2.02E+04
1.067	948.6	.732	2.01E+04
1.143	946.1	.743	2.02E+04
1.194	951.9	.750	1.87E+04
1.245	933.0	.757	2.01E+04
1.295	949.8	.764	2.01E+04
1.372	971.6	.775	2.02E+04
1.448	991.3	.785	2.01E+04
1.499	992.8	.792	1.86E+04
1.549	989.8	.799	1.99E+04
1.600	1004.1	.806	1.99E+04
1.676	1029.3	.817	1.99E+04
1.753	1044.2	.828	1.98E+04
1.803	1044.3	.834	1.84E+04
1.854	1020.8	.841	2.00E+04
1.905	1028.6	.848	1.98E+04
1.981	1030.8	.859	2.00E+04
2.057	977.8	.870	2.02E+04

INEL POST-CHF EXPERIMENT NO. 25

POINT SERIAL NO. 1025.010 (TIME= 209.50 SEC)

LOOP PRESSURE(PE-3) 16.14 MPA
 FCV TEMPERATURE(TE-FCV-1T) 607.9 K
 LHP INLET ENTHALPY 1.550E+06 J/KG
 TEST SECTION:
 PRESSURE .30 MPA
 SAT TEMP 406.92 K
 MASS FLUX 14.27 KG/SEC-M**2
 INLET QUALITY .530
 INLET ENTHALPY 1.708E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .457
 NET LHP POWER TO FLUID 438.8 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.219 1.321 754.1 .665 .498

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX
 (M) (K) W/M**2

.013 770.4 .531 1.38E+04
 .025 763.1 .533 1.37E+04
 .051 753.9 .536 1.37E+04
 .076 756.0 .538 1.36E+04
 .102 756.0 .541 1.36E+04
 .127 761.8 .544 1.36E+04
 .152 764.6 .547 1.35E+04
 .305 792.8 .564 1.35E+04
 .381 813.7 .572 1.35E+04
 .457 825.2 .581 1.35E+04
 .533 838.7 .589 1.34E+04
 .610 851.5 .598 1.34E+04
 .686 862.3 .606 1.34E+04
 .762 877.3 .614 1.34E+04
 .838 893.6 .623 1.34E+04
 .914 908.6 .631 1.35E+04
 .991 929.7 .640 1.35E+04
 1.067 943.5 .648 1.35E+04
 1.143 940.8 .657 1.36E+04
 1.194 942.0 .662 1.25E+04
 1.245 914.4 .667 1.35E+04
 1.295 927.3 .673 1.35E+04
 1.372 951.2 .682 1.35E+04
 1.448 977.4 .690 1.34E+04
 1.499 981.2 .695 1.24E+04
 1.549 977.6 .701 1.33E+04
 1.600 992.5 .706 1.33E+04
 1.676 1023.9 .715 1.32E+04
 1.753 1045.8 .723 1.32E+04
 1.803 1047.0 .728 1.22E+04
 1.854 1025.2 .733 1.32E+04
 1.905 1031.4 .739 1.31E+04
 1.981 1057.4 .747 1.31E+04
 2.057 1019.9 .755 1.32E+04

INEL POST-CHF EXPERIMENT NO. 25

POINT SERIAL NO. 2025.010 (TIME= 209.50 SEC)

LOOP PRESSURE(PE-3) 16.14 MPA
 FCV TEMPERATURE(TE-FCV-1T) 607.9 K
 LHP INLET ENTHALPY 1.550E+06 J/KG
 TEST SECTION:
 PRESSURE .30 MPA
 SAT TEMP 406.92 K
 MASS FLUX 14.27 KG/SEC-M**2
 INLET QUALITY .530
 INLET ENTHALPY 1.708E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .457
 NET LHP POWER TO FLUID 438.8 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.524 1.626 809.8 .698 .503

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX
 (M) (K) W/M**2

.013 770.4 .531 1.38E+04
 .025 763.1 .533 1.37E+04
 .051 753.9 .536 1.37E+04
 .076 756.0 .538 1.36E+04
 .102 756.0 .541 1.36E+04
 .127 761.8 .544 1.36E+04
 .152 764.6 .547 1.35E+04
 .305 792.8 .564 1.35E+04
 .381 813.7 .572 1.35E+04
 .457 825.2 .581 1.35E+04
 .533 838.7 .589 1.34E+04
 .610 851.5 .598 1.34E+04
 .686 862.3 .606 1.34E+04
 .762 877.3 .614 1.34E+04
 .838 893.6 .623 1.34E+04
 .914 908.6 .631 1.35E+04
 .991 929.7 .640 1.35E+04
 1.067 943.5 .648 1.35E+04
 1.143 940.8 .657 1.36E+04
 1.194 942.0 .662 1.25E+04
 1.245 914.4 .667 1.35E+04
 1.295 927.3 .673 1.35E+04
 1.372 951.2 .682 1.35E+04
 1.448 977.4 .690 1.34E+04
 1.499 981.2 .695 1.24E+04
 1.549 977.6 .701 1.33E+04
 1.600 992.5 .706 1.33E+04
 1.676 1023.9 .715 1.32E+04
 1.753 1045.8 .723 1.32E+04
 1.803 1047.0 .728 1.22E+04
 1.854 1025.2 .733 1.32E+04
 1.905 1031.4 .739 1.31E+04
 1.981 1057.4 .747 1.31E+04
 2.057 1019.9 .755 1.32E+04

INEL POST-CHF EXPERIMENT NO. 25

POINT SERIAL NO. 3025.010 (TIME= 209.50 SEC)

LOOP PRESSURE(PE-3) 16.14 MPA
 FCV TEMPERATURE(TE-FCV-1T) 607.9 K
 LHP INLET ENTHALPY 1.550E+06 J/KG
 TEST SECTION:
 PRESSURE .30 MPA
 SAT TEMP 406.92 K
 MASS FLUX 14.27 KG/SEC-M**2
 INLET QUALITY .530
 INLET ENTHALPY 1.708E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .457
 NET LHP POWER TO FLUID 438.8 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF IV XE XA
 (M) (M) (K)

1.829 1.930 884.9 .731 .498

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX
 (M) (K) W/M**2

.013 770.4 .531 1.38E+04
 .025 763.1 .533 1.37E+04
 .051 753.9 .536 1.37E+04
 .076 756.0 .538 1.36E+04
 .102 756.0 .541 1.36E+04
 .127 761.8 .544 1.36E+04
 .152 764.6 .547 1.35E+04
 .305 792.8 .564 1.35E+04
 .381 813.7 .572 1.35E+04
 .457 825.2 .581 1.35E+04
 .533 838.7 .589 1.34E+04
 .610 851.5 .598 1.34E+04
 .686 862.3 .606 1.34E+04
 .762 877.3 .614 1.34E+04
 .838 893.6 .623 1.34E+04
 .914 908.6 .631 1.35E+04
 .991 929.7 .640 1.35E+04
 1.067 943.5 .648 1.35E+04
 1.143 940.8 .657 1.36E+04
 1.194 942.0 .662 1.25E+04
 1.245 914.4 .667 1.35E+04
 1.295 927.3 .673 1.35E+04
 1.372 951.2 .682 1.35E+04
 1.448 977.4 .690 1.34E+04
 1.499 981.2 .695 1.24E+04
 1.549 977.6 .701 1.33E+04
 1.600 992.5 .706 1.33E+04
 1.676 1023.9 .715 1.32E+04
 1.753 1045.8 .723 1.32E+04
 1.803 1047.0 .728 1.22E+04
 1.854 1025.2 .733 1.32E+04
 1.905 1031.4 .739 1.31E+04
 1.981 1057.4 .747 1.31E+04
 2.057 1019.9 .755 1.32E+04

INEL POST-CHF EXPERIMENT NO. 26

POINT SERIAL NO. 1026.010 (TIME= 240.50 SEC)

LOOP PRESSURE(PE-3) 16.18 MPA
 FCV TEMPERATURE(TE-FCV-1T) 606.4 K
 LHP INLET ENTHALPY 1.539E+06 J/KG
 TEST SECTION:
 PRESSURE .30 MPA
 SAT TEMP 406.63 K
 MASS FLUX 14.17 KG/SEC-M**2
 INLET QUALITY .516
 INLET ENTHALPY 1.678E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .452
 NET LHP POWER TO FLUID 383.3 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF IV XE XA
 (M) (M) (K)

1.219 1.321 733.3 .620 .472

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX
 (M) (K) W/M**2

.013 763.4 .517 1.06E+04
 .025 753.4 .518 1.05E+04
 .051 738.5 .520 1.04E+04
 .076 737.4 .523 1.04E+04
 .102 735.3 .525 1.04E+04
 .127 739.3 .527 1.04E+04
 .152 740.5 .529 1.04E+04
 .305 763.9 .542 1.04E+04
 .381 784.0 .549 1.04E+04
 .457 795.7 .555 1.04E+04
 .533 809.7 .562 1.04E+04
 .610 822.6 .568 1.04E+04
 .686 834.0 .575 1.04E+04
 .762 848.2 .581 1.03E+04
 .838 862.5 .588 1.03E+04
 .914 873.7 .594 1.03E+04
 .991 892.6 .601 1.03E+04
 1.067 904.6 .607 1.03E+04
 1.143 901.7 .613 1.03E+04
 1.194 902.9 .618 9.47E+03
 1.245 879.2 .622 1.02E+04
 1.295 891.3 .626 1.02E+04
 1.372 912.9 .632 1.02E+04
 1.448 936.7 .639 1.02E+04
 1.499 939.3 .643 9.41E+03
 1.549 932.8 .647 1.01E+04
 1.600 946.1 .651 1.01E+04
 1.676 975.1 .658 1.01E+04
 1.753 996.1 .664 1.00E+04
 1.803 996.6 .668 9.22E+03
 1.854 974.6 .672 1.01E+04
 1.905 981.4 .676 1.00E+04
 1.981 1005.5 .682 9.96E+03
 2.057 992.2 .689 1.01E+04

INEL POST-CHF EXPERIMENT NO. 26

POINT SERIAL NO. 2026.010 (TIME= 240.50 SEC)

LOOP PRESSURE(PE-3) 16.18 MPA
 FCV TEMPERATURE(TE-FCV-1T) 606.4 K
 LHP INLET ENTHALPY 1.539E+06 J/KG
 TEST SECTION:
 PRESSURE .30 MPA
 SAT TEMP 406.63 K
 MASS FLUX 14.17 KG/SEC-M**2
 INLET QUALITY .516
 INLET ENTHALPY 1.678E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .452
 NET LHP POWER TO FLUID 383.3 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.524 1.626 781.3 .645 .474

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX
 (M) (K) W/M**2

.013 763.4 .517 1.06E+04
 .025 753.4 .518 1.05E+04
 .051 738.5 .520 1.04E+04
 .076 737.4 .523 1.04E+04
 .102 735.3 .525 1.04E+04
 .127 739.3 .527 1.04E+04
 .152 740.5 .529 1.04E+04
 .305 763.9 .542 1.04E+04
 .381 784.0 .549 1.04E+04
 .457 795.7 .555 1.04E+04
 .533 809.7 .562 1.04E+04
 .610 822.6 .568 1.04E+04
 .686 834.0 .575 1.04E+04
 .762 848.2 .581 1.03E+04
 .838 862.5 .588 1.03E+04
 .914 873.7 .594 1.03E+04
 .991 892.6 .601 1.03E+04
 1.067 904.6 .607 1.03E+04
 1.143 901.7 .613 1.03E+04
 1.194 902.9 .618 9.47E+03
 1.245 879.2 .622 1.02E+04
 1.295 891.3 .626 1.02E+04
 1.372 912.9 .632 1.02E+04
 1.448 936.7 .639 1.02E+04
 1.499 939.3 .643 9.41E+03
 1.549 932.8 .647 1.01E+04
 1.600 946.1 .651 1.01E+04
 1.676 975.1 .658 1.01E+04
 1.753 996.1 .664 1.00E+04
 1.803 996.6 .668 9.22E+03
 1.854 974.6 .672 1.01E+04
 1.905 981.4 .676 1.00E+04
 1.981 1005.5 .682 9.96E+03
 2.057 992.2 .689 1.01E+04

INEL POST-CHF EXPERIMENT NO. 26

POINT SERIAL NO. 3026.010 (TIME= 240.50 SEC)

LOOP PRESSURE(PE-3) 16.18 MPA
 FCV TEMPERATURE(TE-FCV-1T) 606.4 K
 LHP INLET ENTHALPY 1.539E+06 J/KG
 TEST SECTION:
 PRESSURE .30 MPA
 SAT TEMP 406.63 K
 MASS FLUX 14.17 KG/SEC-M**2
 INLET QUALITY .516
 INLET ENTHALPY 1.678E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .452
 NET LHP POWER TO FLUID 383.3 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.829 1.930 848.0 .670 .469

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX
 (M) (K) W/M**2

.013 763.4 .517 1.06E+04
 .025 753.4 .518 1.05E+04
 .051 738.5 .520 1.04E+04
 .076 737.4 .523 1.04E+04
 .102 735.3 .525 1.04E+04
 .127 739.3 .527 1.04E+04
 .152 740.5 .529 1.04E+04
 .305 763.9 .542 1.04E+04
 .381 784.0 .549 1.04E+04
 .457 795.7 .555 1.04E+04
 .533 809.7 .562 1.04E+04
 .610 822.6 .568 1.04E+04
 .686 834.0 .575 1.04E+04
 .762 848.2 .581 1.03E+04
 .838 862.5 .588 1.03E+04
 .914 873.7 .594 1.03E+04
 .991 892.6 .601 1.03E+04
 1.067 904.6 .607 1.03E+04
 1.143 901.7 .613 1.03E+04
 1.194 902.9 .618 9.47E+03
 1.245 879.2 .622 1.02E+04
 1.295 891.3 .626 1.02E+04
 1.372 912.9 .632 1.02E+04
 1.448 936.7 .639 1.02E+04
 1.499 939.3 .643 9.41E+03
 1.549 932.8 .647 1.01E+04
 1.600 946.1 .651 1.01E+04
 1.676 975.1 .658 1.01E+04
 1.753 996.1 .664 1.00E+04
 1.803 996.6 .668 9.22E+03
 1.854 974.6 .672 1.01E+04
 1.905 981.4 .676 1.00E+04
 1.981 1005.5 .682 9.96E+03
 2.057 992.2 .689 1.01E+04

INEL POST-CHF EXPERIMENT NO. 27

POINT SERIAL NO. 1027.010 (TIME= 209.50 SEC)

LOOP PRESSURE(PE-3) 16.21 MPA
 FCV TEMPERATURE(TE-FCV-1T) 607.3 K
 LHP INLET ENTHALPY 1.545E+06 J/KG
 TEST SECTION:
 PRESSURE .30 MPA
 SAT TEMP 406.58 K
 MASS FLUX 14.12 KG/SEC-M**2
 INLET QUALITY .524
 INLET ENTHALPY 1.694E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .455
 NET LHP POWER TO FLUID 407.2 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.219	1.321	701.8	.612	.477

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION			
ELEVATION	TEMP	XE	HEAT FLUX
(M)	(K)		W/M**2
.013	751.7	.525	8.94E+03
.025	738.0	.526	8.90E+03
.051	716.8	.528	8.82E+03
.076	712.5	.529	8.79E+03
.102	708.1	.531	8.78E+03
.127	710.4	.533	8.75E+03
.152	710.5	.535	8.74E+03
.305	730.8	.546	8.71E+03
.381	748.6	.552	8.69E+03
.457	759.6	.557	8.71E+03
.533	772.9	.563	8.70E+03
.610	785.1	.568	8.70E+03
.686	796.3	.574	8.71E+03
.762	810.0	.579	8.70E+03
.838	823.6	.585	8.71E+03
.914	834.4	.590	8.71E+03
.991	851.2	.596	8.68E+03
1.067	862.2	.601	8.65E+03
1.143	860.2	.607	8.69E+03
1.194	861.9	.610	7.96E+03
1.245	841.3	.614	8.66E+03
1.295	852.2	.618	8.67E+03
1.372	872.4	.623	8.64E+03
1.448	894.1	.628	8.62E+03
1.499	896.2	.632	7.92E+03
1.549	889.5	.635	8.59E+03
1.600	901.8	.639	8.57E+03
1.676	929.0	.645	8.53E+03
1.753	948.8	.650	8.49E+03
1.803	949.0	.653	7.80E+03
1.854	928.4	.657	8.48E+03
1.905	935.4	.660	8.49E+03
1.981	959.9	.666	8.45E+03
2.057	952.1	.671	8.46E+03

INEL POST-CHF EXPERIMENT NO. 27

POINT SERIAL NO. 2027.010 (TIME= 209.50 SEC)

LOOP PRESSURE(PE-3) 16.21 MPA
 FCV TEMPERATURE(TE-FCV-1T) 607.3 K
 LHP INLET ENTHALPY 1.545E+06 J/KG
 TEST SECTION:
 PRESSURE .30 MPA
 SAT TEMP 406.58 K
 MASS FLUX 14.12 KG/SEC-M**2
 INLET QUALITY .524
 INLET ENTHALPY 1.694E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .455
 NET LHP POWER TO FLUID 407.2 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.524	1.626	746.6	.634	.478

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION			
ELEVATION	TEMP	XE	HEAT FLUX
(M)	(K)		W/M**2
.013	751.7	.525	8.94E+03
.025	738.0	.526	8.90E+03
.051	716.8	.528	8.82E+03
.076	712.5	.529	8.79E+03
.102	708.1	.531	8.78E+03
.127	710.4	.533	8.75E+03
.152	710.5	.535	8.74E+03
.305	730.8	.546	8.71E+03
.381	748.6	.552	8.69E+03
.457	759.6	.557	8.71E+03
.533	772.9	.563	8.70E+03
.610	785.1	.568	8.70E+03
.686	796.3	.574	8.71E+03
.762	810.0	.579	8.70E+03
.838	823.6	.585	8.71E+03
.914	834.4	.590	8.71E+03
.991	851.2	.596	8.68E+03
1.067	862.2	.601	8.65E+03
1.143	860.2	.607	8.69E+03
1.194	861.9	.610	7.96E+03
1.245	841.3	.614	8.66E+03
1.295	852.2	.618	8.67E+03
1.372	872.4	.623	8.64E+03
1.448	894.1	.628	8.62E+03
1.499	896.2	.632	7.92E+03
1.549	889.5	.635	8.59E+03
1.600	901.8	.639	8.57E+03
1.676	929.0	.645	8.53E+03
1.753	948.8	.650	8.49E+03
1.803	949.0	.653	7.80E+03
1.854	928.4	.657	8.48E+03
1.905	935.4	.660	8.49E+03
1.981	959.9	.666	8.45E+03
2.057	952.1	.671	8.46E+03

INEL POST-CHF EXPERIMENT NO. 27

POINT SERIAL NO. 3027.010 (TIME= 209.50 SEC)

LOOP PRESSURE(PE-3) 16.21 MPA
 FCV TEMPERATURE(TE-FCV-1T) 607.3 K
 LHP INLET ENTHALPY 1.545E+06 J/KG
 TEST SECTION:
 PRESSURE .30 MPA
 SAT TEMP 406.58 K
 MASS FLUX 14.12 KG/SEC-M**2
 INLET QUALITY .524
 INLET ENTHALPY 1.694E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .455
 NET LHP POWER TO FLUID 407.2 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.829	1.530	807.6	.655	.472

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION			
ELEVATION	TEMP	XE	HEAT FLUX
(M)	(K)		W/M**2
.013	751.7	.525	8.94E+03
.025	738.0	.526	8.90E+03
.051	716.8	.528	8.82E+03
.076	712.5	.529	8.79E+03
.102	708.1	.531	8.78E+03
.127	710.4	.533	8.75E+03
.152	710.5	.535	8.74E+03
.305	730.8	.546	8.71E+03
.381	748.6	.552	8.69E+03
.457	759.6	.557	8.71E+03
.533	772.9	.563	8.70E+03
.610	785.1	.568	8.70E+03
.686	796.3	.574	8.71E+03
.762	810.0	.579	8.70E+03
.838	823.6	.585	8.71E+03
.914	834.4	.590	8.71E+03
.991	851.2	.596	8.68E+03
1.067	862.2	.601	8.65E+03
1.143	860.2	.607	8.69E+03
1.194	861.9	.610	7.96E+03
1.245	841.3	.614	8.66E+03
1.295	852.2	.618	8.67E+03
1.372	872.4	.623	8.64E+03
1.448	894.1	.628	8.62E+03
1.499	896.2	.632	7.92E+03
1.549	889.5	.635	8.59E+03
1.600	901.8	.639	8.57E+03
1.676	929.0	.645	8.53E+03
1.753	948.8	.650	8.49E+03
1.803	949.0	.653	7.80E+03
1.854	928.4	.657	8.48E+03
1.905	935.4	.660	8.49E+03
1.981	959.9	.666	8.45E+03
2.057	952.1	.671	8.46E+03

INEL POST-CHF EXPERIMENT NO. 28

POINT SERIAL NO. 1028.010 (TIME= 209.50 SEC)

LOOP PRESSURE(PE-3) 16.23 MPA
 FCV TEMPERATURE(TE-FCV-1T) 608.1 K
 LHP INLET ENTHALPY 1.550E+06 J/KG
 TEST SECTION:
 PRESSURE .29 MPA
 SAT TEMP 405.12 K
 MASS FLUX 14.13 KG/SEC-M**2
 INLET QUALITY .580
 INLET ENTHALPY 1.811E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .459
 NET LHP POWER TO FLUID 709.1 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.219	1.321	663.1	.675	.542

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION			
ELEVATION	TEMP	XE	HEAT FLUX
(M)	(K)		W/M**2
.013	728.3	.581	9.59E+03
.025	710.0	.582	9.41E+03
.051	683.4	.584	9.38E+03
.076	678.6	.586	9.39E+03
.102	675.1	.588	9.39E+03
.127	677.9	.590	9.40E+03
.152	679.4	.592	9.39E+03
.305	702.8	.604	9.37E+03
.381	720.1	.610	9.38E+03
.457	730.8	.616	9.38E+03
.533	743.3	.622	9.37E+03
.610	754.3	.628	9.38E+03
.686	764.7	.634	9.37E+03
.762	776.8	.640	9.39E+03
.838	789.6	.646	9.34E+03
.914	799.8	.651	9.34E+03
.991	815.6	.657	9.39E+03
1.067	826.3	.663	9.36E+03
1.143	826.1	.669	9.30E+03
1.194	825.2	.673	8.68E+03
1.245	794.8	.677	9.42E+03
1.295	806.7	.681	9.41E+03
1.372	828.4	.687	9.39E+03
1.448	848.3	.693	9.35E+03
1.499	848.5	.697	8.66E+03
1.549	837.2	.701	9.36E+03
1.600	850.8	.705	9.34E+03
1.676	877.7	.711	9.30E+03
1.753	895.6	.717	9.31E+03
1.803	893.6	.720	8.58E+03
1.854	868.4	.724	9.18E+03
1.905	877.6	.728	9.23E+03
1.981	908.4	.734	9.22E+03
2.057	905.1	.740	9.22E+03

INEL POST-CHF EXPERIMENT NO. 28

POINT SERIAL NO. 2028.010 (TIME= 209.50 SEC)

LOOP PRESSURE(PE-3) 16.23 MPA
 FCV TEMPERATURE(TE-FCV-1T) 608.1 K
 LHP INLET ENTHALPY 1.550E+06 J/KG
 TEST SECTION:
 PRESSURE .29 MPA
 SAT TEMP 405.12 K
 MASS FLUX 14.13 KG/SEC-M**2
 INLET QUALITY .580
 INLET ENTHALPY 1.811E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .459
 NET LHP POWER TO FLUID 709.1 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION	DZQF TV	XE	XA
(M)	(M) (K)		
1.524	1.626 701.1	.699	.545

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION	TEMP	XE	HEAT FLUX
(M)	(K)		W/M**2
.013	728.3	.581	9.59E+03
.025	710.0	.582	9.41E+03
.051	683.4	.584	9.38E+03
.076	678.6	.586	9.39E+03
.102	675.1	.588	9.39E+03
.127	677.9	.590	9.40E+03
.152	679.4	.592	9.39E+03
.305	702.8	.604	9.37E+03
.381	720.1	.610	9.38E+03
.457	730.8	.616	9.38E+03
.533	743.3	.622	9.37E+03
.610	754.3	.628	9.38E+03
.686	764.7	.634	9.37E+03
.762	776.8	.640	9.39E+03
.838	789.6	.646	9.34E+03
.914	799.8	.651	9.34E+03
.991	815.6	.657	9.39E+03
1.067	826.3	.663	9.36E+03
1.143	826.1	.669	9.30E+03
1.194	825.2	.673	8.68E+03
1.245	794.8	.677	9.42E+03
1.295	806.7	.681	9.41E+03
1.372	828.4	.687	9.39E+03
1.448	848.3	.693	9.35E+03
1.499	848.5	.697	8.66E+03
1.549	837.2	.701	9.36E+03
1.600	850.8	.705	9.34E+03
1.676	877.7	.711	9.30E+03
1.753	895.6	.717	9.31E+03
1.803	893.6	.720	8.58E+03
1.854	868.4	.724	9.18E+03
1.905	877.6	.728	9.23E+03
1.981	908.4	.734	9.22E+03
2.057	905.1	.740	9.22E+03

INEL POST-CHF EXPERIMENT NO. 28

POINT SERIAL NO. 3028.010 (TIME= 209.50 SEC)

LOOP PRESSURE(PE-3) 16.23 MPA
 FCV TEMPERATURE(TE-FCV-1T) 608.1 K
 LHP INLET ENTHALPY 1.550E+06 J/KG
 TEST SECTION:
 PRESSURE .29 MPA
 SAT TEMP 405.12 K
 MASS FLUX 14.13 KG/SEC-M**2
 INLET QUALITY .580
 INLET ENTHALPY 1.811E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .459
 NET LHP POWER TO FLUID 709.1 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION	DZQF TV	XE	XA
(M)	(M) (K)		
1.829	1.930 752.3	.722	.542

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION	TEMP	XE	HEAT FLUX
(M)	(K)		W/M**2
.013	728.3	.581	9.59E+03
.025	710.0	.582	9.41E+03
.051	683.4	.584	9.38E+03
.076	678.6	.586	9.39E+03
.102	675.1	.588	9.39E+03
.127	677.9	.590	9.40E+03
.152	679.4	.592	9.39E+03
.305	702.8	.604	9.37E+03
.381	720.1	.610	9.38E+03
.457	730.8	.616	9.38E+03
.533	743.3	.622	9.37E+03
.610	754.3	.628	9.38E+03
.686	764.7	.634	9.37E+03
.762	776.8	.640	9.39E+03
.838	789.6	.646	9.34E+03
.914	799.8	.651	9.34E+03
.991	815.6	.657	9.39E+03
1.067	826.3	.663	9.36E+03
1.143	826.1	.669	9.30E+03
1.194	825.2	.673	8.68E+03
1.245	794.8	.677	9.42E+03
1.295	806.7	.681	9.41E+03
1.372	828.4	.687	9.39E+03
1.448	848.3	.693	9.35E+03
1.499	848.5	.697	8.66E+03
1.549	837.2	.701	9.36E+03
1.600	850.8	.705	9.34E+03
1.676	877.7	.711	9.30E+03
1.753	895.6	.717	9.31E+03
1.803	893.6	.720	8.58E+03
1.854	868.4	.724	9.18E+03
1.905	877.6	.728	9.23E+03
1.981	908.4	.734	9.22E+03
2.057	905.1	.740	9.22E+03

INEL POST-CHF EXPERIMENT NO. 30

POINT SERIAL NO. 1030.010 (TIME= 179.50 SEC)

LOOP PRESSURE[PE-3] 16.17 MPA
 FCV TEMPERATURE[TE-FCV-1T] 607.8 K
 LHP INLET ENTHALPY 1.549E+06 J/KG
 TEST SECTION:
 PRESSURE .29 MPA
 SAT TEMP 406.10 K
 MASS FLUX 13.99 KG/SEC-M**2
 INLET QUALITY .558
 INLET ENTHALPY 1.767E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .457
 NET LHP POWER TO FLUID 587.2 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		

1.219	1.321	615.8	.615	.513
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WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION	TEMP	XE	HEAT FLUX
(M)	(K)		W/M**2

.013	714.1	.559	5.24E+03
.025	689.3	.559	5.30E+03
.051	651.0	.560	5.45E+03
.076	639.2	.562	5.49E+03
.102	630.7	.563	5.53E+03
.127	630.3	.564	5.56E+03
.152	629.5	.565	5.58E+03
.305	645.3	.572	5.65E+03
.381	659.0	.576	5.64E+03
.457	667.5	.580	5.64E+03
.533	678.2	.583	5.59E+03
.610	687.4	.587	5.61E+03
.686	696.3	.590	5.58E+03
.762	707.1	.594	5.60E+03
.838	718.4	.598	5.57E+03
.914	726.4	.601	5.55E+03
.991	739.6	.605	5.61E+03
1.067	748.1	.609	5.60E+03
1.143	748.8	.612	5.52E+03
1.194	748.4	.614	5.15E+03
1.245	724.8	.617	5.59E+03
1.295	734.9	.619	5.63E+03
1.372	753.3	.623	5.63E+03
1.448	769.4	.626	5.65E+03
1.499	767.4	.629	5.21E+03
1.549	751.0	.631	5.69E+03
1.600	761.6	.634	5.68E+03
1.676	783.6	.637	5.66E+03
1.753	797.6	.641	5.68E+03
1.803	794.5	.643	5.26E+03
1.854	772.5	.646	5.66E+03
1.905	781.4	.648	5.73E+03
1.981	819.8	.652	5.73E+03
2.057	823.6	.655	5.63E+03

INEL POST-CHF EXPERIMENT NO. 30

POINT SERIAL NO. 2030.010 (TIME= 179.50 SEC)

LOOP PRESSURE[PE-3] 16.17 MPA
 FCV TEMPERATURE[TE-FCV-1T] 607.8 K
 LHP INLET ENTHALPY 1.549E+06 J/KG
 TEST SECTION:
 PRESSURE .29 MPA
 SAT TEMP 406.10 K
 MASS FLUX 13.99 KG/SEC-M**2
 INLET QUALITY .558
 INLET ENTHALPY 1.767E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .457
 NET LHP POWER TO FLUID 587.2 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		

1.524	1.626	647.5	.630	.513
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WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION	TEMP	XE	HEAT FLUX
(M)	(K)		W/M**2

.013	714.1	.559	5.24E+03
.025	689.3	.559	5.30E+03
.051	651.0	.560	5.45E+03
.076	639.2	.562	5.49E+03
.102	630.7	.563	5.53E+03
.127	630.3	.564	5.56E+03
.152	629.5	.565	5.58E+03
.305	645.3	.572	5.65E+03
.381	659.0	.576	5.64E+03
.457	667.5	.580	5.64E+03
.533	678.2	.583	5.59E+03
.610	687.4	.587	5.61E+03
.686	696.3	.590	5.58E+03
.762	707.1	.594	5.60E+03
.838	718.4	.598	5.57E+03
.914	726.4	.601	5.55E+03
.991	739.6	.605	5.61E+03
1.067	748.1	.609	5.60E+03
1.143	748.8	.612	5.52E+03
1.194	748.4	.614	5.15E+03
1.245	724.8	.617	5.59E+03
1.295	734.9	.619	5.63E+03
1.372	753.3	.623	5.63E+03
1.448	769.4	.626	5.65E+03
1.499	767.4	.629	5.21E+03
1.549	751.0	.631	5.69E+03
1.600	761.6	.634	5.68E+03
1.676	783.6	.637	5.66E+03
1.753	797.6	.641	5.68E+03
1.803	794.5	.643	5.26E+03
1.854	772.5	.646	5.66E+03
1.905	781.4	.648	5.73E+03
1.981	819.8	.652	5.73E+03
2.057	823.6	.655	5.63E+03

INEL POST-CHF EXPERIMENT NO. 30

POINT SERIAL NO. 3030.010 (TIME= 179.50 SEC)

LOOP PRESSURE(PE-3) 16.17 MPA
 FCV TEMPERATURE(TE-FCV-1T) 607.8 K
 LHP INLET ENTHALPY 1.549E+06 J/KG
 TEST SECTION:
 PRESSURE .29 MPA
 SAT TEMP 406.10 K
 MASS FLUX 13.99 KG/SEC-M**2
 INLET QUALITY .558
 INLET ENTHALPY 1.767E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .457
 NET LHP POWER TO FLUID 587.2 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION	DZQF	TV	XE XA
(M)	(M)	(K)	
1.829	1.930	680.5	.644 .511

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION	TEMP	XE	HEAT FLUX
(M)	(K)		W/M**2
.013	714.1	.559	5.24E+03
.025	689.3	.559	5.30E+03
.051	651.0	.560	5.45E+03
.076	639.2	.562	5.49E+03
.102	630.7	.563	5.53E+03
.127	630.3	.564	5.56E+03
.152	629.5	.565	5.58E+03
.305	645.3	.572	5.65E+03
.381	659.0	.576	5.64E+03
.457	667.5	.580	5.64E+03
.533	678.2	.583	5.59E+03
.610	687.4	.587	5.61E+03
.686	696.3	.590	5.58E+03
.762	707.1	.594	5.60E+03
.838	718.4	.598	5.57E+03
.914	726.4	.601	5.55E+03
.991	739.6	.605	5.61E+03
1.067	748.1	.609	5.60E+03
1.143	748.8	.612	5.52E+03
1.194	748.4	.614	5.15E+03
1.245	724.8	.617	5.59E+03
1.295	734.9	.619	5.63E+03
1.372	753.3	.623	5.63E+03
1.448	769.4	.626	5.65E+03
1.499	767.4	.629	5.21E+03
1.549	751.0	.631	5.69E+03
1.600	761.6	.634	5.68E+03
1.676	783.6	.637	5.66E+03
1.753	797.6	.641	5.68E+03
1.803	794.5	.643	5.26E+03
1.854	772.5	.646	5.66E+03
1.905	781.4	.648	5.73E+03
1.981	819.8	.652	5.73E+03
2.057	823.6	.655	5.63E+03

INEL POST-CHF EXPERIMENT NO. 31

POINT SERIAL NO. 2031.010 (TIME= 239.50 SEC)

LOOP PRESSURE(PE-3) 16.17 MPA
 FCV TEMPERATURE(TE-FCV-1T) 608.5 K
 LHP INLET ENTHALPY 1.553E+06 J/KG
 TEST SECTION:
 PRESSURE .30 MPA
 SAT TEMP 406.12 K
 MASS FLUX 13.77 KG/SEC-M**2
 INLET QUALITY .579
 INLET ENTHALPY 1.813E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .459
 NET LHP POWER TO FLUID 696.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION	DZQF	TV	XE XA
(M)	(M)	(K)	
1.524	1.626	604.6	.641 .539

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION	TEMP	XE	HEAT FLUX
(M)	(K)		W/M**2
.013	696.2	.580	4.69E+03
.025	669.2	.580	4.77E+03
.051	625.7	.581	4.78E+03
.076	610.6	.582	4.80E+03
.102	600.2	.583	4.84E+03
.127	598.1	.584	4.83E+03
.152	596.1	.585	4.84E+03
.305	607.5	.592	4.81E+03
.381	618.8	.595	4.81E+03
.457	625.4	.598	4.83E+03
.533	634.3	.601	4.82E+03
.610	642.2	.604	4.78E+03
.686	649.5	.607	4.82E+03
.762	658.7	.610	4.77E+03
.838	668.5	.614	4.78E+03
.914	674.9	.617	4.77E+03
.991	686.3	.620	4.73E+03
1.067	693.5	.623	4.72E+03
1.143	692.4	.626	4.88E+03
1.194	683.7	.628	4.35E+03
1.245	663.7	.630	4.79E+03
1.295	681.5	.632	4.77E+03
1.372	699.9	.635	4.72E+03
1.448	713.8	.638	4.68E+03
1.499	712.8	.640	4.29E+03
1.549	705.0	.642	4.66E+03
1.600	717.1	.644	4.64E+03
1.676	738.4	.647	4.64E+03
1.753	752.0	.650	4.63E+03
1.803	748.7	.652	4.20E+03
1.854	728.2	.654	4.74E+03
1.905	738.4	.656	4.63E+03
1.981	766.2	.659	4.64E+03
2.057	775.4	.662	4.70E+03

INEL POST-CHF EXPERIMENT NO. 31

POINT SERIAL NO. 3031.010 (TIME= 239.50 SEC)

LOOP PRESSURE(PE-3) 16.17 MPA
 FCV TEMPERATURE(TE-FCV-1T) 608.5 K
 LHP INLET ENTHALPY 1.553E+06 J/KG
 TEST SECTION:
 PRESSURE .30 MPA
 SAT TEMP 406.12 K
 MASS FLUX 13.77 KG/SEC-M**2
 INLET QUALITY .579
 INLET ENTHALPY 1.813E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .459
 NET LHP POWER TO FLUID 696.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.829	1.930	638.5	.653	.535

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION	TEMP	XE	HEAT FLUX
(M)	(K)		W/M**2
.013	696.2	.580	4.69E+03
.025	669.2	.580	4.77E+03
.051	625.7	.581	4.78E+03
.076	610.6	.582	4.80E+03
.102	600.2	.583	4.84E+03
.127	598.1	.584	4.83E+03
.152	596.1	.585	4.84E+03
.305	607.5	.592	4.81E+03
.381	618.8	.595	4.81E+03
.457	625.4	.598	4.83E+03
.533	634.3	.601	4.82E+03
.610	642.2	.604	4.78E+03
.686	649.5	.607	4.82E+03
.762	658.7	.610	4.77E+03
.838	668.5	.614	4.78E+03
.914	674.9	.617	4.77E+03
.991	686.3	.620	4.73E+03
1.067	693.5	.623	4.72E+03
1.143	692.4	.626	4.88E+03
1.194	683.7	.628	4.35E+03
1.245	663.7	.630	4.79E+03
1.295	681.5	.632	4.77E+03
1.372	699.9	.635	4.72E+03
1.448	713.8	.638	4.68E+03
1.499	712.8	.640	4.29E+03
1.549	705.0	.642	4.66E+03
1.600	717.1	.644	4.64E+03
1.676	738.4	.647	4.64E+03
1.753	752.0	.650	4.63E+03
1.803	748.7	.652	4.20E+03
1.854	728.2	.654	4.74E+03
1.905	738.4	.656	4.63E+03
1.981	766.2	.659	4.64E+03
2.057	775.4	.662	4.70E+03

INEL POST-CHF EXPERIMENT NO. 32

POINT SERIAL NO. 2032.010 (TIME= 154.50 SEC)

LOOP PRESSURE(PE-3) 16.27 MPA
 FCV TEMPERATURE(TE-FCV-1T) 608.2 K
 LHP INLET ENTHALPY 1.551E+06 J/KG
 TEST SECTION:
 PRESSURE .30 MPA
 SAT TEMP 406.20 K
 MASS FLUX 14.04 KG/SEC-M**2
 INLET QUALITY .573
 INLET ENTHALPY 1.801E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .458
 NET LHP POWER TO FLUID 671.6 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.524	1.626	571.9	.617	.533

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION	TEMP	XE	HEAT FLUX
(M)	(K)		W/M**2
.013	685.7	.574	3.61E+03
.025	655.9	.574	3.49E+03
.051	607.0	.575	3.35E+03
.076	588.6	.576	3.39E+03
.102	576.4	.576	3.36E+03
.127	572.7	.577	3.43E+03
.152	570.0	.578	3.38E+03
.305	577.8	.582	3.44E+03
.381	587.3	.585	3.41E+03
.457	593.1	.587	3.42E+03
.533	601.0	.589	3.41E+03
.610	607.5	.591	3.42E+03
.686	614.2	.593	3.43E+03
.762	622.2	.596	3.43E+03
.838	630.4	.598	3.43E+03
.914	636.4	.600	3.39E+03
.991	646.1	.602	3.38E+03
1.067	652.0	.604	3.45E+03
1.143	651.8	.607	3.35E+03
1.194	640.2	.608	3.08E+03
1.245	620.6	.609	3.39E+03
1.295	640.0	.611	3.46E+03
1.372	657.4	.613	3.39E+03
1.448	669.5	.615	3.40E+03
1.499	667.6	.617	3.09E+03
1.549	658.6	.618	3.35E+03
1.600	670.3	.619	3.37E+03
1.676	689.6	.622	3.39E+03
1.753	701.3	.624	3.38E+03
1.803	696.7	.625	3.09E+03
1.854	677.3	.627	3.37E+03
1.905	688.0	.628	3.43E+03
1.981	716.4	.630	3.36E+03
2.057	730.1	.632	3.35E+03

POINT SERIAL NO. 3032.010 (TIME= 179.50 SEC)

LOOP PRESSURE(PE-3) 16.27 MPA
 FCV TEMPERATURE(TE-FCV-1T) 608.1 K
 LHP INLET ENTHALPY 1.550E+06 J/KG
 TEST SECTION:
 PRESSURE .30 MPA
 SAT TEMP 406.25 K
 MASS FLUX 13.85 KG/SEC-M**2
 INLET QUALITY .575
 INLET ENTHALPY 1.805E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .458
 NET LHP POWER TO FLUID 683.2 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.829	1.930	597.0	.628	.531

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION			
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2
.013	684.8	.576	3.50E+03
.025	655.1	.576	3.41E+03
.051	606.3	.577	3.39E+03
.076	587.9	.578	3.41E+03
.102	575.7	.578	3.42E+03
.127	572.0	.579	3.45E+03
.152	569.3	.580	3.44E+03
.305	577.0	.584	3.46E+03
.381	586.5	.587	3.44E+03
.457	592.3	.589	3.45E+03
.533	600.2	.591	3.44E+03
.610	606.7	.593	3.42E+03
.686	613.4	.596	3.44E+03
.762	621.3	.598	3.43E+03
.838	629.5	.600	3.42E+03
.914	635.6	.602	3.41E+03
.991	645.2	.604	3.41E+03
1.067	651.1	.607	3.43E+03
1.143	651.1	.609	3.38E+03
1.194	639.5	.610	3.09E+03
1.245	619.9	.612	3.41E+03
1.295	639.0	.613	3.44E+03
1.372	656.4	.615	3.43E+03
1.448	668.5	.618	3.43E+03
1.499	666.3	.619	3.26E+03
1.549	657.9	.620	3.43E+03
1.600	669.5	.622	3.36E+03
1.676	688.7	.624	3.39E+03
1.753	700.4	.626	3.38E+03
1.803	695.7	.628	3.07E+03
1.854	676.5	.629	3.32E+03
1.905	687.1	.630	3.39E+03
1.981	715.5	.633	3.37E+03
2.057	729.2	.635	3.33E+03

POINT SERIAL NO. 1036.010 (TIME= 274.50 SEC)

LOOP PRESSURE(PE-3) 16.06 MPA
 FCV TEMPERATURE(TE-FCV-1T) 610.8 K
 LHP INLET ENTHALPY 1.570E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.64 K
 MASS FLUX 18.51 KG/SEC-M**2
 INLET QUALITY .552
 INLET ENTHALPY 1.799E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .443
 NET LHP POWER TO FLUID 823.2 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	1.334	777.9	.731	.543

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION			
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2
.013	760.9	.553	2.23E+04
.051	759.5	.559	2.23E+04
.063	762.5	.561	2.23E+04
.089	774.3	.565	2.24E+04
.114	777.5	.568	2.24E+04
.140	783.5	.572	2.24E+04
.165	775.8	.576	2.24E+04
.318	831.3	.598	2.25E+04
.394	854.7	.609	2.24E+04
.470	868.6	.620	2.24E+04
.546	884.2	.631	2.25E+04
.622	899.2	.642	2.24E+04
.698	911.1	.653	2.24E+04
.775	926.2	.665	2.24E+04
.851	938.7	.676	2.24E+04
.927	951.4	.687	2.23E+04
1.003	971.8	.698	2.22E+04
1.079	984.5	.709	2.22E+04
1.156	980.5	.720	2.22E+04
1.206	983.4	.727	2.22E+04
1.257	949.0	.734	2.07E+04
1.308	965.0	.741	2.22E+04
1.384	980.9	.752	2.22E+04
1.461	1007.1	.763	2.21E+04
1.511	1006.8	.770	2.06E+04
1.562	994.3	.777	2.21E+04
1.613	1011.1	.784	2.21E+04
1.689	1029.8	.795	2.20E+04
1.765	1048.3	.806	2.20E+04
1.816	1045.3	.813	2.05E+04
1.867	1013.4	.820	2.21E+04
1.918	1039.3	.828	2.20E+04
1.994	1036.8	.839	2.20E+04
2.070	996.1	.849	2.22E+04

INEL POST-CHF EXPERIMENT NO. 36

POINT SERIAL NO. 2036.010 (TIME= 274.50 SEC)

LOOP PRESSURE[PE-3] 16.06 MPA
 FCV TEMPERATURE[TE-FCV-1T] 610.8 K
 LHP INLET ENTHALPY 1.570E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.64 K
 MASS FLUX 18.51 KG/SEC-M**2
 INLET QUALITY .552
 INLET ENTHALPY 1.799E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .443
 NET LHP POWER TO FLUID 823.2 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.537	1.638	838.0	.774	.549

WALL TEMPERATURE MEASUREMENT			LOCATION INFORMATION
ELEVATION	TEMP	XE	HEAT FLUX
(M)	(K)		W/M**2
.013	760.9	.553	2.23E+04
.051	759.5	.559	2.23E+04
.063	762.5	.561	2.23E+04
.089	774.3	.565	2.24E+04
.114	777.5	.568	2.24E+04
.140	783.5	.572	2.24E+04
.165	775.8	.576	2.24E+04
.318	831.3	.598	2.25E+04
.394	854.7	.609	2.24E+04
.470	868.6	.620	2.24E+04
.546	884.2	.631	2.25E+04
.622	899.2	.642	2.24E+04
.698	911.1	.653	2.24E+04
.775	926.2	.665	2.24E+04
.851	938.7	.676	2.24E+04
.927	951.4	.687	2.23E+04
1.003	971.8	.698	2.22E+04
1.079	984.5	.709	2.22E+04
1.156	980.5	.720	2.22E+04
1.206	983.4	.727	2.22E+04
1.257	949.0	.734	2.07E+04
1.308	965.0	.741	2.22E+04
1.384	980.9	.752	2.22E+04
1.461	1007.1	.763	2.21E+04
1.511	1006.8	.770	2.06E+04
1.562	994.3	.777	2.21E+04
1.613	1011.1	.784	2.21E+04
1.689	1029.8	.795	2.20E+04
1.765	1048.3	.806	2.20E+04
1.816	1045.3	.813	2.05E+04
1.867	1013.4	.820	2.21E+04
1.918	1039.3	.828	2.20E+04
1.994	1036.8	.839	2.20E+04
2.070	996.1	.849	2.22E+04

INEL POST-CHF EXPERIMENT NO. 36

POINT SERIAL NO. 3036.010 (TIME= 274.50 SEC)

LOOP PRESSURE[PE-3] 16.06 MPA
 FCV TEMPERATURE[TE-FCV-1T] 610.8 K
 LHP INLET ENTHALPY 1.570E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.64 K
 MASS FLUX 18.51 KG/SEC-M**2
 INLET QUALITY .552
 INLET ENTHALPY 1.799E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .443
 NET LHP POWER TO FLUID 823.2 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.842	1.943	898.7	.817	.559

WALL TEMPERATURE MEASUREMENT			LOCATION INFORMATION
ELEVATION	TEMP	XE	HEAT FLUX
(M)	(K)		W/M**2
.013	760.9	.553	2.23E+04
.051	759.5	.559	2.23E+04
.063	762.5	.561	2.23E+04
.089	774.3	.565	2.24E+04
.114	777.5	.568	2.24E+04
.140	783.5	.572	2.24E+04
.165	775.8	.576	2.24E+04
.318	831.3	.598	2.25E+04
.394	854.7	.609	2.24E+04
.470	868.6	.620	2.24E+04
.546	884.2	.631	2.25E+04
.622	899.2	.642	2.24E+04
.698	911.1	.653	2.24E+04
.775	926.2	.665	2.24E+04
.851	938.7	.676	2.24E+04
.927	951.4	.687	2.23E+04
1.003	971.8	.698	2.22E+04
1.079	984.5	.709	2.22E+04
1.156	980.5	.720	2.22E+04
1.206	983.4	.727	2.22E+04
1.257	949.0	.734	2.07E+04
1.308	965.0	.741	2.22E+04
1.384	980.9	.752	2.22E+04
1.461	1007.1	.763	2.21E+04
1.511	1006.8	.770	2.06E+04
1.562	994.3	.777	2.21E+04
1.613	1011.1	.784	2.21E+04
1.689	1029.8	.795	2.20E+04
1.765	1048.3	.806	2.20E+04
1.816	1045.3	.813	2.05E+04
1.867	1013.4	.820	2.21E+04
1.918	1039.3	.828	2.20E+04
1.994	1036.8	.839	2.20E+04
2.070	996.1	.849	2.22E+04

POINT SERIAL NO. 1037.010 (TIME= 549.50 SEC)

LOOP PRESSURE(PE-3) 16.13 MPA
 FCV TEMPERATURE(TE-FCV-1T) 609.0 K
 LHP INLET ENTHALPY 1.557E+06 J/KG
 TEST SECTION:
 PRESSURE .29 MPA
 SAT TEMP 405.60 K
 MASS FLUX 14.01 KG/SEC-M**2
 INLET QUALITY .539
 INLET ENTHALPY 1.726E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .462
 NET LHP POWER TO FLUID 459.9 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	1.334	792.6	.715	.521

WALL TEMPERATURE MEASUREMENT			LOCATION INFORMATION
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2
.013	775.2	.541	1.72E+04
.051	777.6	.547	1.72E+04
.063	782.5	.549	1.72E+04
.089	793.3	.552	1.72E+04
.114	796.3	.556	1.72E+04
.140	801.9	.560	1.72E+04
.165	790.8	.563	1.72E+04
.318	843.3	.585	1.72E+04
.394	868.6	.596	1.71E+04
.470	883.7	.607	1.71E+04
.546	899.5	.618	1.71E+04
.622	914.2	.629	1.71E+04
.698	925.7	.639	1.70E+04
.775	940.5	.650	1.70E+04
.851	953.0	.661	1.70E+04
.927	965.9	.672	1.69E+04
1.003	987.3	.683	1.69E+04
1.079	1000.5	.693	1.68E+04
1.156	994.5	.704	1.69E+04
1.206	993.5	.711	1.68E+04
1.257	954.3	.718	1.57E+04
1.308	969.3	.725	1.69E+04
1.384	983.4	.736	1.69E+04
1.461	1011.8	.746	1.68E+04
1.511	1012.3	.753	1.56E+04
1.562	999.4	.760	1.68E+04
1.613	1014.1	.767	1.68E+04
1.689	1029.1	.778	1.67E+04
1.765	1047.5	.789	1.67E+04
1.816	1044.5	.795	1.55E+04
1.867	1013.5	.802	1.67E+04
1.918	1041.7	.809	1.67E+04
1.994	1061.8	.820	1.66E+04
2.070	1010.4	.831	1.69E+04

POINT SERIAL NO. 2037.010 (TIME= 549.50 SEC)

LOOP PRESSURE(PE-3) 16.13 MPA
 FCV TEMPERATURE(TE-FCV-1T) 609.0 K
 LHP INLET ENTHALPY 1.557E+06 J/KG
 TEST SECTION:
 PRESSURE .29 MPA
 SAT TEMP 405.60 K
 MASS FLUX 14.01 KG/SEC-M**2
 INLET QUALITY .539
 INLET ENTHALPY 1.726E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .462
 NET LHP POWER TO FLUID 459.9 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	1.638	851.1	.757	.529

WALL TEMPERATURE MEASUREMENT			LOCATION INFORMATION
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2
.013	775.2	.541	1.72E+04
.051	777.6	.547	1.72E+04
.063	782.5	.549	1.72E+04
.089	793.3	.552	1.72E+04
.114	796.3	.556	1.72E+04
.140	801.9	.560	1.72E+04
.165	790.8	.563	1.72E+04
.318	843.3	.585	1.72E+04
.394	868.6	.596	1.71E+04
.470	883.7	.607	1.71E+04
.546	899.5	.618	1.71E+04
.622	914.2	.629	1.71E+04
.698	925.7	.639	1.70E+04
.775	940.5	.650	1.70E+04
.851	953.0	.661	1.70E+04
.927	965.9	.672	1.69E+04
1.003	987.3	.683	1.69E+04
1.079	1000.5	.693	1.68E+04
1.156	994.5	.704	1.69E+04
1.206	993.5	.711	1.68E+04
1.257	954.3	.718	1.57E+04
1.308	969.3	.725	1.69E+04
1.384	983.4	.736	1.69E+04
1.461	1011.8	.746	1.68E+04
1.511	1012.3	.753	1.56E+04
1.562	999.4	.760	1.68E+04
1.613	1014.1	.767	1.68E+04
1.689	1029.1	.778	1.67E+04
1.765	1047.5	.789	1.67E+04
1.816	1044.5	.795	1.55E+04
1.867	1013.5	.802	1.67E+04
1.918	1041.7	.809	1.67E+04
1.994	1061.8	.820	1.66E+04
2.070	1010.4	.831	1.69E+04

INEL POST-CHF EXPERIMENT NO. 37

POINT SERIAL NO. 3037.010 (TIME= 549.50 SEC)

LOOP PRESSURE(PE-3) 16.13 MPA
 FCV TEMPERATURE(TE-FCV-1T) 609.0 K
 LHP INLET ENTHALPY 1.557E+06 J/KG
 TEST SECTION:
 PRESSURE .29 MPA
 SAT TEMP 405.60 K
 MASS FLUX 14.01 KG/SEC-M**2
 INLET QUALITY .539
 INLET ENTHALPY 1.726E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .462
 NET LHP POWER TO FLUID 459.9 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.842	1.943	900.7	.799	.539

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2
.013	775.2	.541	1.72E+04
.051	777.6	.547	1.72E+04
.063	782.5	.549	1.72E+04
.089	793.3	.552	1.72E+04
.114	796.3	.556	1.72E+04
.140	801.9	.560	1.72E+04
.165	790.8	.563	1.72E+04
.318	843.3	.585	1.72E+04
.394	868.6	.596	1.71E+04
.470	883.7	.607	1.71E+04
.546	899.5	.618	1.71E+04
.622	914.2	.629	1.71E+04
.698	925.7	.639	1.70E+04
.775	940.5	.650	1.70E+04
.851	953.0	.661	1.70E+04
.927	965.9	.672	1.69E+04
1.003	987.3	.683	1.69E+04
1.079	1000.5	.693	1.68E+04
1.156	994.5	.704	1.69E+04
1.206	993.5	.711	1.68E+04
1.257	954.3	.718	1.57E+04
1.308	969.3	.725	1.69E+04
1.384	983.4	.736	1.69E+04
1.461	1011.8	.746	1.68E+04
1.511	1012.3	.753	1.56E+04
1.562	999.4	.760	1.68E+04
1.613	1014.1	.767	1.68E+04
1.689	1029.1	.778	1.67E+04
1.765	1047.5	.789	1.67E+04
1.816	1044.5	.795	1.55E+04
1.867	1013.5	.802	1.67E+04
1.918	1041.7	.809	1.67E+04
1.994	1061.8	.820	1.66E+04
2.070	1010.4	.831	1.69E+04

INEL POST-CHF EXPERIMENT NO. 38

POINT SERIAL NO. 1038.010 (TIME= 399.50 SEC)

LOOP PRESSURE(PE-3) 16.11 MPA
 FCV TEMPERATURE(TE-FCV-1T) 608.4 K
 LHP INLET ENTHALPY 1.553E+06 J/KG
 TEST SECTION:
 PRESSURE .29 MPA
 SAT TEMP 405.50 K
 MASS FLUX 13.14 KG/SEC-M**2
 INLET QUALITY .527
 INLET ENTHALPY 1.698E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .460
 NET LHP POWER TO FLUID 372.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	1.334	770.2	.675	.503

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2
.013	765.5	.529	1.37E+04
.051	761.6	.533	1.37E+04
.063	759.7	.535	1.37E+04
.089	766.2	.538	1.37E+04
.114	766.2	.541	1.37E+04
.140	770.2	.544	1.37E+04
.165	760.0	.547	1.36E+04
.318	805.7	.566	1.37E+04
.394	829.3	.575	1.37E+04
.470	843.1	.584	1.36E+04
.546	858.1	.593	1.36E+04
.622	872.1	.602	1.36E+04
.698	883.2	.612	1.36E+04
.775	897.7	.621	1.35E+04
.851	909.9	.630	1.35E+04
.927	922.6	.639	1.35E+04
1.003	942.8	.648	1.34E+04
1.079	955.0	.657	1.34E+04
1.156	950.1	.666	1.34E+04
1.206	949.8	.672	1.34E+04
1.257	917.0	.678	1.26E+04
1.308	929.7	.684	1.35E+04
1.384	941.4	.693	1.35E+04
1.461	968.0	.702	1.34E+04
1.511	968.2	.708	1.24E+04
1.562	955.6	.714	1.35E+04
1.613	968.5	.720	1.34E+04
1.689	981.8	.729	1.34E+04
1.765	999.4	.738	1.34E+04
1.816	996.6	.744	1.24E+04
1.867	967.4	.750	1.34E+04
1.918	993.5	.756	1.34E+04
1.994	1022.6	.765	1.33E+04
2.070	994.6	.774	1.32E+04

POINT SERIAL NO. 2038.010 (TIME= 399.50 SEC)

LOOP PRESSURE(PE-3) 16.11 MPA
 FCV TEMPERATURE(TE-FCV-1T) 608.4 K
 LHP INLET ENTHALPY 1.553E+06 J/KG
 TEST SECTION:
 PRESSURE .29 MPA
 SAT TEMP 405.50 K
 MASS FLUX 13.14 KG/SEC-M**2
 INLET QUALITY .527
 INLET ENTHALPY 1.698E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .460
 NET LHP POWER TO FLUID 372.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION	DZQF	TV	XE XA
(M)	(M)	(K)	
1.537	1.638	828.4	.711 .510

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION	TEMP	XE	HEAT FLUX
(M)	(K)		W/M**2
.013	765.5	.529	1.37E+04
.051	761.6	.533	1.37E+04
.063	759.7	.535	1.37E+04
.089	766.2	.538	1.37E+04
.114	766.2	.541	1.37E+04
.140	770.2	.544	1.37E+04
.165	760.0	.547	1.36E+04
.318	805.7	.566	1.37E+04
.394	829.3	.575	1.37E+04
.470	843.1	.584	1.36E+04
.546	858.1	.593	1.36E+04
.622	872.1	.602	1.36E+04
.698	883.2	.612	1.36E+04
.775	897.7	.621	1.35E+04
.851	909.9	.630	1.35E+04
.927	922.6	.639	1.35E+04
1.003	942.8	.648	1.34E+04
1.079	955.0	.657	1.34E+04
1.156	950.1	.666	1.34E+04
1.206	949.8	.672	1.34E+04
1.257	917.0	.678	1.26E+04
1.308	929.7	.684	1.35E+04
1.384	941.4	.693	1.35E+04
1.461	968.0	.702	1.34E+04
1.511	968.2	.708	1.24E+04
1.562	955.6	.714	1.35E+04
1.613	968.5	.720	1.34E+04
1.689	981.8	.729	1.34E+04
1.755	999.4	.738	1.34E+04
1.816	996.6	.744	1.24E+04
1.867	967.4	.750	1.34E+04
1.918	993.5	.756	1.34E+04
1.994	1022.6	.765	1.33E+04
2.070	994.6	.774	1.32E+04

POINT SERIAL NO. 3038.010 (TIME= 399.50 SEC)

LOOP PRESSURE(PE-3) 16.11 MPA
 FCV TEMPERATURE(TE-FCV-1T) 608.4 K
 LHP INLET ENTHALPY 1.553E+06 J/KG
 TEST SECTION:
 PRESSURE .29 MPA
 SAT TEMP 405.50 K
 MASS FLUX 13.14 KG/SEC-M**2
 INLET QUALITY .527
 INLET ENTHALPY 1.698E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .460
 NET LHP POWER TO FLUID 372.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION	DZQF	TV	XE XA
(M)	(M)	(K)	
1.842	1.943	876.5	.747 .518

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION	TEMP	XE	HEAT FLUX
(M)	(K)		W/M**2
.013	765.5	.529	1.37E+04
.051	761.6	.533	1.37E+04
.063	759.7	.535	1.37E+04
.089	766.2	.538	1.37E+04
.114	766.2	.541	1.37E+04
.140	770.2	.544	1.37E+04
.165	760.0	.547	1.36E+04
.318	805.7	.566	1.37E+04
.394	829.3	.575	1.37E+04
.470	843.1	.584	1.36E+04
.546	858.1	.593	1.36E+04
.622	872.1	.602	1.36E+04
.698	883.2	.612	1.36E+04
.775	897.7	.621	1.35E+04
.851	909.9	.630	1.35E+04
.927	922.6	.639	1.35E+04
1.003	942.8	.648	1.34E+04
1.079	955.0	.657	1.34E+04
1.156	950.1	.666	1.34E+04
1.206	949.8	.672	1.34E+04
1.257	917.0	.678	1.26E+04
1.308	929.7	.684	1.35E+04
1.384	941.4	.693	1.35E+04
1.461	968.0	.702	1.34E+04
1.511	968.2	.708	1.24E+04
1.562	955.6	.714	1.35E+04
1.613	968.5	.720	1.34E+04
1.689	981.8	.729	1.34E+04
1.755	999.4	.738	1.34E+04
1.816	996.6	.744	1.24E+04
1.867	967.4	.750	1.34E+04
1.918	993.5	.756	1.34E+04
1.994	1022.6	.765	1.33E+04
2.070	994.6	.774	1.32E+04

INEL POST-CHF EXPERIMENT NO. 39

POINT SERIAL NO. 1039.010 (TIME= 299.50 SEC)

LOOP PRESSURE(PE-3) 16.17 MPA
 FCV TEMPERATURE(TE-FCV-1T) 607.8 K
 LHP INLET ENTHALPY 1.548E+06 J/KG
 TEST SECTION:
 PRESSURE .30 MPA
 SAT TEMP 406.59 K
 MASS FLUX 13.47 KG/SEC-M**2
 INLET QUALITY .525
 INLET ENTHALPY 1.697E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .456
 NET LHP POWER TO FLUID 381.6 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.232	1.334	766.5	.673	.501

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION	TEMP	XE	HEAT FLUX
(M)	(K)		W/M**2
.013	765.4	.526	1.37E+04
.051	760.8	.531	1.36E+04
.063	758.2	.533	1.36E+04
.089	763.5	.536	1.36E+04
.114	764.5	.539	1.36E+04
.140	768.4	.542	1.36E+04
.165	757.9	.545	1.36E+04
.318	804.9	.563	1.36E+04
.394	829.1	.572	1.36E+04
.470	843.2	.582	1.36E+04
.546	858.4	.591	1.36E+04
.622	872.4	.600	1.36E+04
.698	883.8	.609	1.36E+04
.775	898.4	.618	1.36E+04
.851	910.5	.627	1.35E+04
.927	923.4	.636	1.35E+04
1.003	943.2	.646	1.34E+04
1.079	955.3	.655	1.34E+04
1.156	950.2	.664	1.34E+04
1.206	949.8	.670	1.34E+04
1.257	918.3	.676	1.25E+04
1.308	930.7	.681	1.35E+04
1.384	941.7	.690	1.34E+04
1.461	968.1	.699	1.34E+04
1.511	968.6	.705	1.24E+04
1.562	956.7	.711	1.34E+04
1.613	969.7	.717	1.33E+04
1.689	982.5	.726	1.33E+04
1.765	1000.0	.735	1.33E+04
1.816	997.3	.741	1.23E+04
1.867	968.5	.747	1.34E+04
1.918	994.3	.753	1.33E+04
1.994	1018.4	.761	1.32E+04
2.070	992.6	.770	1.32E+04

INEL POST-CHF EXPERIMENT NO. 39

POINT SERIAL NO. 2039.010 (TIME= 299.50 SEC)

LOOP PRESSURE(PE-3) 16.17 MPA
 FCV TEMPERATURE(TE-FCV-1T) 607.8 K
 LHP INLET ENTHALPY 1.548E+06 J/KG
 TEST SECTION:
 PRESSURE .30 MPA
 SAT TEMP 406.59 K
 MASS FLUX 13.47 KG/SEC-M**2
 INLET QUALITY .525
 INLET ENTHALPY 1.697E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .456
 NET LHP POWER TO FLUID 381.6 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.537	1.638	822.8	.708	.507

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION	TEMP	XE	HEAT FLUX
(M)	(K)		W/M**2
.013	765.4	.526	1.37E+04
.051	760.8	.531	1.36E+04
.063	758.2	.533	1.36E+04
.089	763.5	.536	1.36E+04
.114	764.5	.539	1.36E+04
.140	768.4	.542	1.36E+04
.165	757.9	.545	1.36E+04
.318	804.9	.563	1.36E+04
.394	829.1	.572	1.36E+04
.470	843.2	.582	1.36E+04
.546	858.4	.591	1.36E+04
.622	872.4	.600	1.36E+04
.698	883.8	.609	1.36E+04
.775	898.4	.618	1.36E+04
.851	910.5	.627	1.35E+04
.927	923.4	.636	1.35E+04
1.003	943.2	.646	1.34E+04
1.079	955.3	.655	1.34E+04
1.156	950.2	.664	1.34E+04
1.206	949.8	.670	1.34E+04
1.257	918.3	.676	1.25E+04
1.308	930.7	.681	1.35E+04
1.384	941.7	.690	1.34E+04
1.461	968.1	.699	1.34E+04
1.511	968.6	.705	1.24E+04
1.562	956.7	.711	1.34E+04
1.613	969.7	.717	1.33E+04
1.689	982.5	.726	1.33E+04
1.765	1000.0	.735	1.33E+04
1.816	997.3	.741	1.23E+04
1.867	968.5	.747	1.34E+04
1.918	994.3	.753	1.33E+04
1.994	1018.4	.761	1.32E+04
2.070	992.6	.770	1.32E+04

INEL POST-CHF EXPERIMENT NO. 39

POINT SERIAL NO. 3039.010 (TIME= 299.50 SEC)

LOOP PRESSURE(PE-3) 16.17 MPA
 FCV TEMPERATURE(TE-FCV-1T) 607.8 K
 LHP INLET ENTHALPY 1.548E+06 J/KG
 TEST SECTION:
 PRESSURE .30 MPA
 SAT TEMP 406.59 K
 MASS FLUX 13.47 KG/SEC-M**2
 INLET QUALITY .525
 INLET ENTHALPY 1.697E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .456
 NET LHP POWER TO FLUID 381.6 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA

1.842	1.943	871.4	.744	.515
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WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2

.013	765.4	.526	1.37E+04
.051	760.8	.531	1.36E+04
.063	758.2	.533	1.36E+04
.089	763.5	.536	1.36E+04
.114	764.5	.539	1.36E+04
.140	768.4	.542	1.36E+04
.165	757.9	.545	1.36E+04
.318	804.9	.563	1.36E+04
.394	829.1	.572	1.36E+04
.470	843.2	.582	1.36E+04
.546	858.4	.591	1.36E+04
.622	872.4	.600	1.36E+04
.698	883.8	.609	1.36E+04
.775	898.4	.618	1.36E+04
.851	910.5	.627	1.35E+04
.927	923.4	.636	1.35E+04
1.003	943.2	.646	1.34E+04
1.079	955.3	.655	1.34E+04
1.156	950.2	.664	1.34E+04
1.206	949.8	.670	1.34E+04
1.257	918.3	.676	1.25E+04
1.308	930.7	.681	1.35E+04
1.384	941.7	.690	1.34E+04
1.461	968.1	.699	1.34E+04
1.511	968.6	.705	1.24E+04
1.562	956.7	.711	1.34E+04
1.613	969.7	.717	1.33E+04
1.689	982.5	.726	1.33E+04
1.765	1000.0	.735	1.33E+04
1.816	997.3	.741	1.23E+04
1.867	968.5	.747	1.34E+04
1.918	994.3	.753	1.33E+04
1.994	1018.4	.761	1.32E+04
2.070	992.6	.770	1.32E+04

INEL POST-CHF EXPERIMENT NO. 40

POINT SERIAL NO. 1040.010 (TIME= 609.50 SEC)

LOOP PRESSURE(PE-3) 16.07 MPA
 FCV TEMPERATURE(TE-FCV-1T) 607.5 K
 LHP INLET ENTHALPY 1.547E+06 J/KG
 TEST SECTION:
 PRESSURE .30 MPA
 SAT TEMP 406.51 K
 MASS FLUX 12.31 KG/SEC-M**2
 INLET QUALITY .527
 INLET ENTHALPY 1.700E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .456
 NET LHP POWER TO FLUID 367.8 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA

1.232	1.334	730.3	.650	.497
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WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2

.013	753.0	.528	1.04E+04
.051	741.2	.532	1.05E+04
.063	730.9	.533	1.05E+04
.089	731.5	.536	1.05E+04
.114	729.7	.538	1.05E+04
.140	731.4	.541	1.05E+04
.165	721.3	.543	1.05E+04
.318	759.3	.558	1.06E+04
.394	781.7	.566	1.06E+04
.470	795.1	.574	1.06E+04
.546	809.8	.581	1.06E+04
.622	823.3	.589	1.06E+04
.698	834.4	.597	1.05E+04
.775	848.6	.604	1.05E+04
.851	860.4	.612	1.05E+04
.927	872.1	.619	1.05E+04
1.003	891.0	.627	1.05E+04
1.079	902.0	.634	1.04E+04
1.156	898.5	.642	1.04E+04
1.206	898.7	.647	1.19E+04
1.257	872.6	.653	9.60E+03
1.308	883.3	.657	1.04E+04
1.384	892.0	.665	1.04E+04
1.461	917.0	.672	1.04E+04
1.511	917.5	.677	9.60E+03
1.562	906.0	.682	1.04E+04
1.613	917.2	.687	1.04E+04
1.689	928.4	.695	1.04E+04
1.765	945.3	.702	1.03E+04
1.816	943.1	.707	9.55E+03
1.867	916.5	.712	1.04E+04
1.918	940.0	.717	1.03E+04
1.994	960.6	.724	1.03E+04
2.070	959.0	.731	1.03E+04

INEL POST-CHF EXPERIMENT NO. 40

POINT SERIAL NO. 2040.010 (TIME= 609.50 SEC)

LOOP PRESSURE (PE-3) 16.07 MPA
 FCV TEMPERATURE (TE-FCV-1T) 607.5 K
 LHP INLET ENTHALPY 1.547E+06 J/KG
 TEST SECTION:
 PRESSURE .30 MPA
 SAT TEMP 406.51 K
 MASS FLUX 12.31 KG/SEC-M**2
 INLET QUALITY .527
 INLET ENTHALPY 1.700E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .456
 NET LHP POWER TO FLUID 367.8 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	1.638	782.3	.680	.501

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2
.013	753.0	.528	1.04E+04
.051	741.2	.532	1.05E+04
.063	730.9	.533	1.05E+04
.089	731.5	.536	1.05E+04
.114	729.7	.538	1.05E+04
.140	731.4	.541	1.05E+04
.165	721.3	.543	1.05E+04
.318	759.3	.558	1.06E+04
.394	781.7	.566	1.06E+04
.470	795.1	.574	1.06E+04
.546	809.8	.581	1.06E+04
.622	823.3	.589	1.06E+04
.698	834.4	.597	1.05E+04
.775	848.6	.604	1.05E+04
.851	860.4	.612	1.05E+04
.927	872.1	.619	1.05E+04
1.003	891.0	.627	1.05E+04
1.079	902.0	.634	1.04E+04
1.156	898.5	.642	1.04E+04
1.206	898.7	.647	1.19E+04
1.257	872.6	.653	9.60E+03
1.308	883.3	.657	1.04E+04
1.384	892.0	.665	1.04E+04
1.461	917.0	.672	1.04E+04
1.511	917.5	.677	9.60E+03
1.562	906.0	.682	1.04E+04
1.613	917.2	.687	1.04E+04
1.689	928.4	.695	1.04E+04
1.765	945.3	.702	1.03E+04
1.816	943.1	.707	9.55E+03
1.867	916.5	.712	1.04E+04
1.918	940.0	.717	1.03E+04
1.994	960.6	.724	1.03E+04
2.070	959.0	.731	1.03E+04

INEL POST-CHF EXPERIMENT NO. 40

POINT SERIAL NO. 3040.010 (TIME= 609.50 SEC)

LOOP PRESSURE (PE-3) 16.07 MPA
 FCV TEMPERATURE (TE-FCV-1T) 607.5 K
 LHP INLET ENTHALPY 1.547E+06 J/KG
 TEST SECTION:
 PRESSURE .30 MPA
 SAT TEMP 406.51 K
 MASS FLUX 12.31 KG/SEC-M**2
 INLET QUALITY .527
 INLET ENTHALPY 1.700E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .456
 NET LHP POWER TO FLUID 367.8 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.842	1.943	826.6	.709	.508

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2
.013	753.0	.528	1.04E+04
.051	741.2	.532	1.05E+04
.063	730.9	.533	1.05E+04
.089	731.5	.536	1.05E+04
.114	729.7	.538	1.05E+04
.140	731.4	.541	1.05E+04
.165	721.3	.543	1.05E+04
.318	759.3	.558	1.06E+04
.394	781.7	.566	1.06E+04
.470	795.1	.574	1.06E+04
.546	809.8	.581	1.06E+04
.622	823.3	.589	1.06E+04
.698	834.4	.597	1.05E+04
.775	848.6	.604	1.05E+04
.851	860.4	.612	1.05E+04
.927	872.1	.619	1.05E+04
1.003	891.0	.627	1.05E+04
1.079	902.0	.634	1.04E+04
1.156	898.5	.642	1.04E+04
1.206	898.7	.647	1.19E+04
1.257	872.6	.653	9.60E+03
1.308	883.3	.657	1.04E+04
1.384	892.0	.665	1.04E+04
1.461	917.0	.672	1.04E+04
1.511	917.5	.677	9.60E+03
1.562	906.0	.682	1.04E+04
1.613	917.2	.687	1.04E+04
1.689	928.4	.695	1.04E+04
1.765	945.3	.702	1.03E+04
1.816	943.1	.707	9.55E+03
1.867	916.5	.712	1.04E+04
1.918	940.0	.717	1.03E+04
1.994	960.6	.724	1.03E+04
2.070	959.0	.731	1.03E+04

INEL POST-CHF EXPERIMENT NO. 41

POINT SERIAL NO. 1041.010 (TIME= 349.50 SEC)

LOOP PRESSURE(PE-3) 16.11 MPA
 FCV TEMPERATURE(TE-FCV-1T) 608.6 K
 LHP INLET ENTHALPY 1.554E+06 J/KG
 TEST SECTION:
 PRESSURE .30 MPA
 SAT TEMP 406.48 K
 MASS FLUX 14.48 KG/SEC-M**2
 INLET QUALITY .547
 INLET ENTHALPY 1.745E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .459
 NET LHP POWER TO FLUID 530.4 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	DZQF	IV	XE	XA
(M)	(M)	(K)		
1.232	1.334	678.0	.652	.518

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION			
ELEVATION	TEMP	XE	HEAT FLUX
(M)	(K)		W/M**2
.013	730.9	.548	1.03E+04
.051	710.1	.551	1.02E+04
.063	692.1	.553	1.03E+04
.089	690.2	.555	1.03E+04
.114	687.3	.557	1.03E+04
.140	688.6	.559	1.03E+04
.165	681.9	.561	1.03E+04
.318	716.5	.574	1.04E+04
.394	735.3	.580	1.04E+04
.470	746.7	.587	1.04E+04
.546	760.0	.593	1.04E+04
.622	772.4	.600	1.04E+04
.698	782.8	.606	1.04E+04
.775	795.8	.613	1.04E+04
.851	806.9	.619	1.04E+04
.927	817.9	.626	1.04E+04
1.003	835.0	.632	1.04E+04
1.079	845.2	.639	1.04E+04
1.156	843.6	.645	1.04E+04
1.206	844.0	.650	1.04E+04
1.257	816.9	.654	9.60E+03
1.308	826.8	.658	1.04E+04
1.384	837.3	.664	1.04E+04
1.461	860.7	.671	1.04E+04
1.511	861.9	.675	9.61E+03
1.562	853.0	.679	1.04E+04
1.613	864.8	.684	1.04E+04
1.689	877.9	.690	1.04E+04
1.765	894.7	.697	1.04E+04
1.816	892.4	.701	9.59E+03
1.867	865.0	.705	1.04E+04
1.918	888.5	.709	1.04E+04
1.994	909.8	.716	1.04E+04
2.070	912.2	.722	1.03E+04

INEL POST-CHF EXPERIMENT NO. 41

POINT SERIAL NO. 2041.010 (TIME= 349.50 SEC)

LOOP PRESSURE(PE-3) 16.11 MPA
 FCV TEMPERATURE(TE-FCV-1T) 608.6 K
 LHP INLET ENTHALPY 1.554E+06 J/KG
 TEST SECTION:
 PRESSURE .30 MPA
 SAT TEMP 406.48 K
 MASS FLUX 14.48 KG/SEC-M**2
 INLET QUALITY .547
 INLET ENTHALPY 1.745E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .459
 NET LHP POWER TO FLUID 530.4 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	DZQF	IV	XE	XA
(M)	(M)	(K)		
1.537	1.638	722.3	.677	.520

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION			
ELEVATION	TEMP	XE	HEAT FLUX
(M)	(K)		W/M**2
.013	730.9	.548	1.03E+04
.051	710.1	.551	1.02E+04
.063	692.1	.553	1.03E+04
.089	690.2	.555	1.03E+04
.114	687.3	.557	1.03E+04
.140	688.6	.559	1.03E+04
.165	681.9	.561	1.03E+04
.318	716.5	.574	1.04E+04
.394	735.3	.580	1.04E+04
.470	746.7	.587	1.04E+04
.546	760.0	.593	1.04E+04
.622	772.4	.600	1.04E+04
.698	782.8	.606	1.04E+04
.775	795.8	.613	1.04E+04
.851	806.9	.619	1.04E+04
.927	817.9	.626	1.04E+04
1.003	835.0	.632	1.04E+04
1.079	845.2	.639	1.04E+04
1.156	843.6	.645	1.04E+04
1.206	844.0	.650	1.04E+04
1.257	816.9	.654	9.60E+03
1.308	826.8	.658	1.04E+04
1.384	837.3	.664	1.04E+04
1.461	860.7	.671	1.04E+04
1.511	861.9	.675	9.61E+03
1.562	853.0	.679	1.04E+04
1.613	864.8	.684	1.04E+04
1.689	877.9	.690	1.04E+04
1.765	894.7	.697	1.04E+04
1.816	892.4	.701	9.59E+03
1.867	865.0	.705	1.04E+04
1.918	888.5	.709	1.04E+04
1.994	909.8	.716	1.04E+04
2.070	912.2	.722	1.03E+04

INEL POST-CHF EXPERIMENT NO. 41

POINT SERIAL NO. 3041.010 (TIME= 349.50 SEC)

LOOP PRESSURE(PE-3) 16.11 MPA
 FCV TEMPERATURE(TE-FCV-1T) 608.6 K
 LHP INLET ENTHALPY 1.554E+06 J/KG
 TEST SECTION:
 PRESSURE .30 MPA
 SAT TEMP 406.48 K
 MASS FLUX 14.48 KG/SEC-M**2
 INLET QUALITY .547
 INLET ENTHALPY 1.745E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .459
 NET LHP POWER TO FLUID 530.4 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.842	1.943	761.6	.703	.524

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2
.013	730.9	.548	1.03E+04
.051	710.1	.551	1.02E+04
.063	692.1	.553	1.03E+04
.089	690.2	.555	1.03E+04
.114	687.3	.557	1.03E+04
.140	688.6	.559	1.03E+04
.165	681.9	.561	1.03E+04
.318	716.5	.574	1.04E+04
.394	735.3	.580	1.04E+04
.470	746.7	.587	1.04E+04
.546	760.0	.593	1.04E+04
.622	772.4	.600	1.04E+04
.698	782.8	.606	1.04E+04
.775	795.8	.613	1.04E+04
.851	806.9	.619	1.04E+04
.927	817.9	.626	1.04E+04
1.003	835.0	.632	1.04E+04
1.079	845.2	.639	1.04E+04
1.156	843.6	.645	1.04E+04
1.206	844.0	.650	1.04E+04
1.257	816.9	.654	9.60E+03
1.308	826.8	.658	1.04E+04
1.384	837.3	.664	1.04E+04
1.461	860.7	.671	1.04E+04
1.511	861.9	.675	9.61E+03
1.562	853.0	.679	1.04E+04
1.613	864.8	.684	1.04E+04
1.689	877.9	.690	1.04E+04
1.765	894.7	.697	1.04E+04
1.816	892.4	.701	9.59E+03
1.867	865.0	.705	1.04E+04
1.918	888.5	.709	1.04E+04
1.994	909.8	.716	1.04E+04
2.070	912.2	.722	1.03E+04

INEL POST-CHF EXPERIMENT NO. 43

POINT SERIAL NO. 1043.010 (TIME= 479.50 SEC)

LOOP PRESSURE(PE-3) 11.50 MPA
 FCV TEMPERATURE(TE-FCV-1T) 567.2 K
 LHP INLET ENTHALPY 1.309E+06 J/KG
 TEST SECTION:
 PRESSURE .46 MPA
 SAT TEMP 421.75 K
 MASS FLUX 16.21 KG/SEC-M**2
 INLET QUALITY .395
 INLET ENTHALPY 1.462E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .322
 NET LHP POWER TO FLUID 476.7 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	1.334	743.7	.517	.392

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2
.013	744.3	.396	1.35E+04
.051	730.3	.400	1.35E+04
.063	719.0	.401	1.34E+04
.089	719.6	.403	1.34E+04
.114	718.1	.406	1.34E+04
.140	721.2	.409	1.34E+04
.165	714.6	.411	1.33E+04
.318	759.8	.426	1.34E+04
.394	783.1	.434	1.34E+04
.470	798.3	.442	1.35E+04
.546	815.2	.449	1.34E+04
.622	831.5	.457	1.34E+04
.698	844.8	.464	1.33E+04
.775	860.9	.472	1.33E+04
.851	873.4	.480	1.33E+04
.927	885.5	.487	1.33E+04
1.003	903.6	.495	1.33E+04
1.079	913.4	.502	1.33E+04
1.156	910.0	.510	1.32E+04
1.206	912.3	.515	1.32E+04
1.257	892.0	.520	1.23E+04
1.308	907.7	.524	1.32E+04
1.384	917.0	.532	1.32E+04
1.461	938.6	.540	1.32E+04
1.511	935.9	.544	1.22E+04
1.562	921.1	.549	1.32E+04
1.613	934.4	.554	1.32E+04
1.689	945.1	.562	1.32E+04
1.765	959.1	.569	1.31E+04
1.816	955.5	.574	1.23E+04
1.867	926.5	.579	1.40E+04
1.918	894.7	.589	3.80E+04
1.994	737.8	.608	3.06E+04
2.070	617.5	.624	2.26E+04

INEL POST-CHF EXPERIMENT NO. 43

POINT SERIAL NO. 2043.010 (TIME= 479.50 SEC)

LOOP PRESSURE(PE-3) 11.50 MPA
 FCV TEMPERATURE(TE-FCV-1T) 567.2 K
 LHP INLET ENTHALPY 1.309E+06 J/KG
 TEST SECTION:
 PRESSURE .46 MPA
 SAT TEMP 421.75 K
 MASS FLUX 16.21 KG/SEC-M**2
 INLET QUALITY .395
 INLET ENTHALPY 1.462E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .322
 NET LHP POWER TO FLUID 476.7 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION	DZQF	TV	XE XA
(M)	(M)	(K)	
1.537	1.638	784.6	.547 .402

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION	TEMP	XE	HEAT FLUX
(M)	(K)		W/M**2
.013	744.3	.396	1.35E+04
.051	730.3	.400	1.35E+04
.063	719.0	.401	1.34E+04
.089	719.6	.403	1.34E+04
.114	718.1	.406	1.34E+04
.140	721.2	.409	1.34E+04
.165	714.6	.411	1.33E+04
.318	759.8	.426	1.34E+04
.394	783.1	.434	1.34E+04
.470	798.3	.442	1.35E+04
.546	815.2	.449	1.34E+04
.622	831.5	.457	1.34E+04
.698	844.8	.464	1.33E+04
.775	860.9	.472	1.33E+04
.851	873.4	.480	1.33E+04
.927	885.5	.487	1.33E+04
1.003	903.6	.495	1.33E+04
1.079	913.4	.502	1.33E+04
1.156	910.0	.510	1.32E+04
1.206	912.3	.515	1.32E+04
1.257	892.0	.520	1.23E+04
1.308	907.7	.524	1.32E+04
1.384	917.0	.532	1.32E+04
1.461	938.6	.540	1.32E+04
1.511	935.9	.544	1.22E+04
1.562	921.1	.549	1.32E+04
1.613	934.4	.554	1.32E+04
1.689	945.1	.562	1.32E+04
1.765	959.1	.569	1.31E+04
1.816	955.5	.574	1.23E+04
1.867	926.5	.579	1.40E+04
1.918	894.7	.589	3.80E+04
1.994	737.8	.608	3.06E+04
2.070	617.5	.624	2.26E+04

INEL POST-CHF EXPERIMENT NO. 43

POINT SERIAL NO. 3043.010 (TIME= 479.50 SEC)

LOOP PRESSURE(PE-3) 11.50 MPA
 FCV TEMPERATURE(TE-FCV-1T) 567.2 K
 LHP INLET ENTHALPY 1.309E+06 J/KG
 TEST SECTION:
 PRESSURE .46 MPA
 SAT TEMP 421.75 K
 MASS FLUX 16.21 KG/SEC-M**2
 INLET QUALITY .395
 INLET ENTHALPY 1.462E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .322
 NET LHP POWER TO FLUID 476.7 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION	DZQF	TV	XE XA
(M)	(M)	(K)	
1.842	1.943	817.1	.576 .413

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION	TEMP	XE	HEAT FLUX
(M)	(K)		W/M**2
.013	744.3	.396	1.35E+04
.051	730.3	.400	1.35E+04
.063	719.0	.401	1.34E+04
.089	719.6	.403	1.34E+04
.114	718.1	.406	1.34E+04
.140	721.2	.409	1.34E+04
.165	714.6	.411	1.33E+04
.317	759.8	.426	1.34E+04
.394	783.1	.434	1.34E+04
.470	798.3	.442	1.35E+04
.546	815.2	.449	1.34E+04
.622	831.5	.457	1.34E+04
.698	844.8	.464	1.33E+04
.775	860.9	.472	1.33E+04
.851	873.4	.480	1.33E+04
.927	885.5	.487	1.33E+04
1.003	903.6	.495	1.33E+04
1.079	913.4	.502	1.33E+04
1.156	910.0	.510	1.32E+04
1.206	912.3	.515	1.32E+04
1.257	892.0	.520	1.23E+04
1.308	907.7	.524	1.32E+04
1.384	917.0	.532	1.32E+04
1.461	938.6	.540	1.32E+04
1.511	935.9	.544	1.22E+04
1.562	921.1	.549	1.32E+04
1.613	934.4	.554	1.32E+04
1.689	945.1	.562	1.32E+04
1.765	959.1	.569	1.31E+04
1.816	955.5	.574	1.23E+04
1.867	926.5	.579	1.40E+04
1.918	894.7	.589	3.80E+04
1.994	737.8	.608	3.06E+04
2.070	617.5	.624	2.26E+04

INEL POST-CHF EXPERIMENT NO. 44

POINT SERIAL NO. 1044.010 (TIME= 339.50 SEC)

LOOP PRESSURE(PE-3) 11.93 MPA
 FCV TEMPERATURE(TE-FCV-1T) 567.8 K
 LHP INLET ENTHALPY 1.312E+06 J/KG
 TEST SECTION:
 PRESSURE .46 MPA
 SAT TEMP 421.71 K
 MASS FLUX 19.10 KG/SEC-M**2
 INLET QUALITY .452
 INLET ENTHALPY 1.584E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .324
 NET LHP POWER TO FLUID 1007.3 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	1.334	680.9	.560	.446

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2
.013	719.4	.454	1.40E+04
.051	698.3	.457	1.40E+04
.063	684.4	.458	1.39E+04
.089	685.7	.460	1.39E+04
.114	684.8	.463	1.39E+04
.140	688.4	.465	1.39E+04
.165	683.0	.467	1.39E+04
.318	726.7	.480	1.39E+04
.394	746.4	.487	1.39E+04
.470	758.3	.494	1.39E+04
.546	772.1	.500	1.39E+04
.622	784.8	.507	1.39E+04
.698	796.2	.514	1.39E+04
.775	809.9	.520	1.39E+04
.851	821.9	.527	1.39E+04
.927	831.9	.534	1.39E+04
1.003	848.8	.540	1.39E+04
1.079	859.0	.547	1.39E+04
1.156	856.6	.554	1.39E+04
1.206	858.9	.558	1.39E+04
1.257	833.0	.562	1.29E+04
1.308	845.8	.567	1.39E+04
1.384	855.8	.573	1.39E+04
1.461	878.0	.580	1.39E+04
1.511	876.0	.584	1.29E+04
1.562	860.8	.589	1.39E+04
1.613	874.1	.593	1.39E+04
1.689	884.9	.600	1.39E+04
1.765	901.0	.606	1.38E+04
1.816	897.6	.611	1.29E+04
1.867	869.0	.615	1.39E+04
1.918	892.3	.619	1.39E+04
1.994	902.8	.626	1.37E+04
2.070	927.7	.633	1.37E+04

INEL POST-CHF EXPERIMENT NO. 44

POINT SERIAL NO. 2044.010 (TIME= 339.50 SEC)

LOOP PRESSURE(PE-3) 11.93 MPA
 FCV TEMPERATURE(TE-FCV-1T) 567.8 K
 LHP INLET ENTHALPY 1.312E+06 J/KG
 TEST SECTION:
 PRESSURE .46 MPA
 SAT TEMP 421.71 K
 MASS FLUX 19.10 KG/SEC-M**2
 INLET QUALITY .452
 INLET ENTHALPY 1.584E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .324
 NET LHP POWER TO FLUID 1007.3 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	1.638	727.0	.586	.450

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2
.013	719.4	.454	1.40E+04
.051	698.3	.457	1.40E+04
.063	684.4	.458	1.39E+04
.089	685.7	.460	1.39E+04
.114	684.8	.463	1.39E+04
.140	688.4	.465	1.39E+04
.165	683.0	.467	1.39E+04
.318	726.7	.480	1.39E+04
.394	746.4	.487	1.39E+04
.470	758.3	.494	1.39E+04
.546	772.1	.500	1.39E+04
.622	784.8	.507	1.39E+04
.698	796.2	.514	1.39E+04
.775	809.9	.520	1.39E+04
.851	821.9	.527	1.39E+04
.927	831.9	.534	1.39E+04
1.003	848.8	.540	1.39E+04
1.079	859.0	.547	1.39E+04
1.156	856.6	.554	1.39E+04
1.206	858.9	.558	1.39E+04
1.257	833.0	.562	1.29E+04
1.308	845.8	.567	1.39E+04
1.384	855.8	.573	1.39E+04
1.461	878.0	.580	1.39E+04
1.511	876.0	.584	1.29E+04
1.562	860.8	.589	1.39E+04
1.613	874.1	.593	1.39E+04
1.689	884.9	.600	1.39E+04
1.765	901.0	.606	1.38E+04
1.816	897.6	.611	1.29E+04
1.867	869.0	.615	1.39E+04
1.918	892.3	.619	1.39E+04
1.994	902.8	.626	1.37E+04
2.070	927.7	.633	1.37E+04

INEL POST-CHF EXPERIMENT NO. 44

POINT SERIAL NO. 3044.010 (TIME= 339.50 SEC)

LOOP PRESSURE(PE-3) 11.93 MPA
 FCV TEMPERATURE(1E-FCV-1T) 567.8 K
 LHP INLET ENTHALPY 1.312E+06 J/KG
 TEST SECTION:
 PRESSURE .46 MPA
 SAT TEMP 421.71 K
 MASS FLUX 19.10 KG/SEC-M**2
 INLET QUALITY .452
 INLET ENTHALPY 1.584E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .324
 NET LHP POWER TO FLUID 1007.3 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.842	1.943	758.0	.613	.459

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2
.013	719.4	.454	1.40E+04
.051	698.3	.457	1.40E+04
.063	684.4	.458	1.39E+04
.089	685.7	.460	1.39E+04
.114	684.8	.463	1.39E+04
.140	688.4	.465	1.39E+04
.165	683.0	.467	1.39E+04
.318	726.7	.480	1.39E+04
.394	746.4	.487	1.39E+04
.470	758.3	.494	1.39E+04
.546	772.1	.500	1.39E+04
.622	784.8	.507	1.39E+04
.698	796.2	.514	1.39E+04
.775	809.9	.520	1.39E+04
.851	821.9	.527	1.39E+04
.927	831.9	.534	1.39E+04
1.003	848.8	.540	1.39E+04
1.079	859.0	.547	1.39E+04
1.156	856.6	.554	1.39E+04
1.206	858.9	.558	1.39E+04
1.257	833.0	.562	1.29E+04
1.308	845.8	.567	1.39E+04
1.384	855.8	.573	1.39E+04
1.461	878.0	.580	1.39E+04
1.511	876.0	.584	1.29E+04
1.562	860.8	.589	1.39E+04
1.613	874.1	.593	1.39E+04
1.689	884.9	.600	1.39E+04
1.765	901.0	.606	1.38E+04
1.816	897.6	.611	1.29E+04
1.867	869.0	.615	1.39E+04
1.918	892.3	.619	1.39E+04
1.994	902.8	.626	1.37E+04
2.070	927.7	.633	1.37E+04

INEL POST-CHF EXPERIMENT NO. 45

POINT SERIAL NO. 1045.010 (TIME= 399.50 SEC)

LOOP PRESSURE(PE-3) 11.97 MPA
 FCV TEMPERATURE(1E-FCV-1T) 567.2 K
 LHP INLET ENTHALPY 1.309E+06 J/KG
 TEST SECTION:
 PRESSURE .46 MPA
 SAT TEMP 421.88 K
 MASS FLUX 16.96 KG/SEC-M**2
 INLET QUALITY .403
 INLET ENTHALPY 1.479E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .322
 NET LHP POWER TO FLUID 552.7 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	1.334	736.4	.526	.400

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2
.013	748.5	.404	1.42E+04
.051	734.5	.408	1.42E+04
.063	724.0	.409	1.42E+04
.089	724.9	.412	1.42E+04
.114	722.4	.414	1.42E+04
.140	725.1	.417	1.42E+04
.165	716.6	.419	1.41E+04
.318	762.4	.435	1.42E+04
.394	784.9	.442	1.42E+04
.470	799.1	.450	1.42E+04
.546	815.9	.458	1.41E+04
.622	831.1	.465	1.40E+04
.698	844.3	.473	1.40E+04
.775	860.0	.480	1.40E+04
.851	873.0	.488	1.39E+04
.927	883.4	.495	1.39E+04
1.003	901.2	.503	1.39E+04
1.079	911.5	.510	1.39E+04
1.156	907.6	.518	1.39E+04
1.206	910.5	.523	1.39E+04
1.257	887.1	.528	1.29E+04
1.308	901.2	.533	1.39E+04
1.384	909.1	.540	1.39E+04
1.461	931.5	.548	1.38E+04
1.511	928.0	.553	1.28E+04
1.562	908.1	.557	1.39E+04
1.613	920.0	.562	1.39E+04
1.689	928.8	.570	1.39E+04
1.765	944.4	.577	1.39E+04
1.816	941.1	.582	1.29E+04
1.867	916.9	.587	1.39E+04
1.918	938.0	.592	1.39E+04
1.994	939.9	.600	1.42E+04
2.070	787.4	.608	1.64E+04

INEL POST-CHF EXPERIMENT NO. 45

POINT SERIAL NO. 2045.010 (TIME= 399.50 SEC)

LOOP PRESSURE(PE-3) 11.97 MPA
 FCV TEMPERATURE(TE-FCV-1T) 567.2 K
 LHP INLET ENTHALPY 1.309E+06 J/KG
 TEST SECTION:
 PRESSURE .46 MPA
 SAT TEMP 421.88 K
 MASS FLUX 16.96 KG/SEC-M**2
 INLET QUALITY .403
 INLET ENTHALPY 1.479E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .322
 NET LHP POWER TO FLUID 559.7 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.537	1.638	779.0	.555	.409

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION	TEMP	XE	HEAT FLUX
(M)	(K)		W/M**2
.013	748.5	.404	1.42E+04
.051	734.5	.408	1.42E+04
.063	724.0	.409	1.42E+04
.089	724.9	.412	1.42E+04
.114	722.4	.414	1.42E+04
.140	725.1	.417	1.42E+04
.165	716.6	.419	1.41E+04
.318	762.4	.435	1.42E+04
.394	784.9	.442	1.42E+04
.470	799.1	.450	1.42E+04
.546	815.9	.458	1.41E+04
.622	831.1	.465	1.40E+04
.698	844.3	.473	1.40E+04
.775	860.0	.480	1.40E+04
.851	873.0	.488	1.39E+04
.927	883.4	.495	1.39E+04
1.003	901.2	.503	1.39E+04
1.079	911.5	.510	1.39E+04
1.156	907.6	.518	1.39E+04
1.206	910.5	.523	1.39E+04
1.257	887.1	.528	1.29E+04
1.308	901.2	.533	1.39E+04
1.384	909.1	.540	1.39E+04
1.461	931.5	.548	1.38E+04
1.511	928.0	.553	1.28E+04
1.562	908.1	.557	1.39E+04
1.613	920.0	.562	1.39E+04
1.689	928.8	.570	1.39E+04
1.765	944.4	.577	1.39E+04
1.816	941.1	.582	1.29E+04
1.867	916.9	.587	1.39E+04
1.918	938.0	.592	1.39E+04
1.994	939.9	.600	1.42E+04
2.070	787.4	.608	1.64E+04

INEL POST-CHF EXPERIMENT NO. 45

POINT SERIAL NO. 3045.010 (TIME= 399.50 SEC)

LOOP PRESSURE(PE-3) 11.97 MPA
 FCV TEMPERATURE(TE-FCV-1T) 567.2 K
 LHP INLET ENTHALPY 1.309E+06 J/KG
 TEST SECTION:
 PRESSURE .46 MPA
 SAT TEMP 421.88 K
 MASS FLUX 16.96 KG/SEC-M**2
 INLET QUALITY .403
 INLET ENTHALPY 1.479E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .322
 NET LHP POWER TO FLUID 559.7 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.842	1.943	808.9	.584	.422

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION	TEMP	XE	HEAT FLUX
(M)	(K)		W/M**2
.013	748.5	.404	1.42E+04
.051	734.5	.408	1.42E+04
.063	724.0	.409	1.42E+04
.089	724.9	.412	1.42E+04
.114	722.4	.414	1.42E+04
.140	725.1	.417	1.42E+04
.165	716.6	.419	1.41E+04
.318	762.4	.435	1.42E+04
.394	784.9	.442	1.42E+04
.470	799.1	.450	1.42E+04
.546	815.9	.458	1.41E+04
.622	831.1	.465	1.40E+04
.698	844.3	.473	1.40E+04
.775	860.0	.480	1.40E+04
.851	873.0	.488	1.39E+04
.927	883.4	.495	1.39E+04
1.003	901.2	.503	1.39E+04
1.079	911.5	.510	1.39E+04
1.156	907.6	.518	1.39E+04
1.206	910.5	.523	1.39E+04
1.257	887.1	.528	1.29E+04
1.308	901.2	.533	1.39E+04
1.384	909.1	.540	1.39E+04
1.461	931.5	.548	1.38E+04
1.511	928.0	.553	1.28E+04
1.562	908.1	.557	1.39E+04
1.613	920.0	.562	1.39E+04
1.689	928.8	.570	1.39E+04
1.765	944.4	.577	1.39E+04
1.816	941.1	.582	1.29E+04
1.867	916.9	.587	1.39E+04
1.918	938.0	.592	1.39E+04
1.994	939.9	.600	1.42E+04
2.070	787.4	.608	1.64E+04

POINT SERIAL NO. 1049.010 (TIME= 387.50 SEC)

LOOP PRESSURE(PE-3) 8.48 MPA
 FCV TEMPERATURE(TE-FCV-1T) 541.4 K
 LHP INLET ENTHALPY 1.176E+06 J/KG
 TEST SECTION:
 PRESSURE .45 MPA
 SAT TEMP 421.44 K
 MASS FLUX 14.21 KG/SEC-M**2
 INLET QUALITY .351
 INLET ENTHALPY 1.368E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .260
 NET LHP POWER TO FLUID 529.0 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	1.334	832.8	.530	.376

WALL TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	
.013	759.9	.353	1.73E+04	
.051	752.6	.359	1.72E+04	
.063	748.4	.360	1.72E+04	
.089	753.8	.364	1.72E+04	
.114	755.9	.368	1.72E+04	
.140	761.6	.371	1.71E+04	
.165	753.8	.375	1.71E+04	
.318	821.8	.397	1.73E+04	
.394	852.6	.409	1.72E+04	
.470	871.9	.420	1.72E+04	
.546	892.7	.431	1.73E+04	
.622	913.7	.442	1.72E+04	
.698	932.0	.453	1.72E+04	
.775	952.6	.464	1.71E+04	
.851	969.9	.475	1.70E+04	
.927	983.0	.486	1.69E+04	
1.003	1003.0	.497	1.69E+04	
1.079	1015.1	.508	1.68E+04	
1.156	1008.8	.519	1.69E+04	
1.206	1011.9	.526	1.69E+04	
1.257	988.1	.533	1.58E+04	
1.308	1008.5	.540	1.69E+04	
1.384	1016.4	.551	1.68E+04	
1.461	1037.9	.562	1.68E+04	
1.511	1035.4	.569	1.56E+04	
1.562	1019.6	.576	1.68E+04	
1.613	1032.4	.583	1.67E+04	
1.689	1037.7	.594	1.67E+04	
1.765	1050.1	.605	1.67E+04	
1.816	1045.7	.612	1.55E+04	
1.867	1016.9	.619	1.69E+04	
1.918	985.2	.632	4.39E+04	
1.994	632.7	.654	2.49E+04	
2.070	647.5	.670	2.28E+04	

POINT SERIAL NO. 2049.010 (TIME= 387.50 SEC)

LOOP PRESSURE(PE-3) 8.48 MPA
 FCV TEMPERATURE(TE-FCV-1T) 541.4 K
 LHP INLET ENTHALPY 1.175E+06 J/KG
 TEST SECTION:
 PRESSURE .45 MPA
 SAT TEMP 421.44 K
 MASS FLUX 14.21 KG/SEC-M**2
 INLET QUALITY .351
 INLET ENTHALPY 1.368E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .260
 NET LHP POWER TO FLUID 529.0 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	1.638	885.0	.572	.393

WALL TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	
.013	759.9	.353	1.73E+04	
.051	752.6	.359	1.72E+04	
.063	748.4	.360	1.72E+04	
.089	753.8	.364	1.72E+04	
.114	755.9	.368	1.72E+04	
.140	761.6	.371	1.71E+04	
.165	753.8	.375	1.71E+04	
.318	821.8	.397	1.73E+04	
.394	852.6	.409	1.72E+04	
.470	871.9	.420	1.72E+04	
.546	892.7	.431	1.73E+04	
.622	913.7	.442	1.72E+04	
.698	932.0	.453	1.72E+04	
.775	952.6	.464	1.71E+04	
.851	969.9	.475	1.70E+04	
.927	983.0	.486	1.69E+04	
1.003	1003.0	.497	1.69E+04	
1.079	1015.1	.508	1.68E+04	
1.156	1008.8	.519	1.69E+04	
1.206	1011.9	.526	1.69E+04	
1.257	988.1	.533	1.58E+04	
1.308	1008.5	.540	1.69E+04	
1.384	1016.4	.551	1.68E+04	
1.461	1037.9	.562	1.68E+04	
1.511	1035.4	.569	1.56E+04	
1.562	1019.6	.576	1.68E+04	
1.613	1032.4	.583	1.67E+04	
1.689	1037.7	.594	1.67E+04	
1.765	1050.1	.605	1.67E+04	
1.816	1045.7	.612	1.55E+04	
1.867	1016.9	.619	1.69E+04	
1.918	985.2	.632	4.39E+04	
1.994	632.7	.654	2.49E+04	
2.070	647.5	.670	2.28E+04	

INEL POST-CHF EXPERIMENT NO. 49

POINT SERIAL NO. 3049.010 (TIME= 387.50 SEC)

LOOP PRESSURE{PE-3} 8.48 MPA
 FCV TEMPERATURE{TE-FCV-1T} 541.4 K
 LHP INLET ENTHALPY 1.176E+06 J/KG
 TEST SECTION:
 PRESSURE .45 MPA
 SAT TEMP 421.44 K
 MASS FLUX 14.21 KG/SEC-M**2
 INLET QUALITY .351
 INLET ENTHALPY 1.368E+06 J/KG
 QUENCH FRONT:
 ELEVATION -.102 M
 VELOCITY 0.0000 M/SEC
 QUALITY .260
 NET LHP POWER TO FLUID 529.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.842	1.943	917.5	.615	.412

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2
.013	759.9	.353	1.73E+04
.051	752.6	.359	1.72E+04
.063	748.4	.360	1.72E+04
.089	753.8	.364	1.72E+04
.114	755.9	.368	1.72E+04
.140	761.6	.371	1.71E+04
.165	753.8	.375	1.71E+04
.317	821.8	.397	1.73E+04
.394	852.6	.409	1.72E+04
.470	871.9	.420	1.72E+04
.546	892.7	.431	1.73E+04
.622	913.7	.442	1.72E+04
.698	932.0	.453	1.72E+04
.775	952.6	.464	1.71E+04
.851	969.9	.475	1.70E+04
.927	983.0	.486	1.69E+04
1.003	1003.0	.497	1.69E+04
1.079	1015.1	.508	1.68E+04
1.156	1008.8	.519	1.69E+04
1.206	1011.9	.526	1.69E+04
1.257	988.1	.533	1.58E+04
1.308	1008.5	.540	1.69E+04
1.384	1016.4	.551	1.68E+04
1.461	1037.9	.562	1.68E+04
1.511	1035.4	.569	1.56E+04
1.562	1019.6	.576	1.68E+04
1.613	1032.4	.583	1.67E+04
1.689	1037.7	.594	1.67E+04
1.765	1050.1	.605	1.67E+04
1.816	1045.7	.612	1.55E+04
1.867	1016.9	.619	1.69E+04
1.918	985.2	.632	4.39E+04
1.994	632.7	.654	2.49E+04
2.070	647.5	.670	2.28E+04

INEL POST-CHF EXPERIMENT NO. 50

POINT SERIAL NO. 1050.010 (TIME= 111.50 SEC)

LOOP PRESSURE{PE-3} 8.46 MPA
 FCV TEMPERATURE{TE-FCV-1T} 541.1 K
 LHP INLET ENTHALPY 1.174E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.27 K
 MASS FLUX 19.22 KG/SEC-M**2
 INLET QUALITY .256
 INLET ENTHALPY 1.174E+06 J/KG
 QUENCH FRONT:
 ELEVATION .069 M
 VELOCITY .0006 M/SEC
 QUALITY .272
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	1.163	829.1	.493	.351

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	477.9	.258	2.92E+04	
.051	479.9	.266	3.06E+04	
.063	564.9	.270	7.39E+04	
.089	809.9	.279	4.79E+04	
.114	842.1	.286	3.87E+04	
.140	852.6	.292	3.65E+04	
.165	831.8	.298	3.40E+04	
.317	908.5	.329	3.16E+04	
.394	942.9	.344	3.14E+04	
.470	962.4	.359	3.09E+04	
.546	978.3	.374	3.04E+04	
.622	989.6	.388	2.98E+04	
.698	999.9	.402	2.90E+04	
.775	1012.1	.416	2.87E+04	
.851	1023.9	.430	2.82E+04	
.927	1031.2	.443	2.78E+04	
1.003	1046.1	.456	2.72E+04	
1.079	1051.0	.469	2.63E+04	
1.156	1034.9	.481	2.52E+04	
1.206	1036.0	.489	2.57E+04	
1.257	1005.9	.497	2.52E+04	
1.308	1031.0	.506	2.66E+04	
1.384	1036.7	.518	2.55E+04	
1.460	1056.8	.530	2.47E+04	
1.511	1053.1	.538	2.32E+04	
1.562	1034.7	.546	2.55E+04	
1.613	1046.5	.554	2.51E+04	
1.689	1044.7	.565	2.39E+04	
1.765	1054.8	.577	2.30E+04	
1.816	1050.7	.584	2.16E+04	
1.867	1019.7	.591	2.39E+04	
1.918	1046.0	.599	2.39E+04	
1.994	1037.6	.610	2.33E+04	
2.070	1006.8	.620	2.05E+04	

H-45

INEL POST-CHF EXPERIMENT NO. 50

POINT SERIAL NO. 2050.010 (TIME= 111.50 SEC)

LOOP PRESSURE(PE-3) 8.46 MPA
 FCV TEMPERATURE(TE-FCV-1T) 541.1 K
 LHP INLET ENTHALPY 1.174E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.27 K
 MASS FLUX 19.22 KG/SEC-M**2
 INLET QUALITY .256
 INLET ENTHALPY 1.174E+06 J/KG
 QUENCH FRONT:
 ELEVATION .069 M
 VELOCITY .0006 M/SEC
 QUALITY .272
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.537 1.468 893.3 .541 .370

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013	477.9	.258	2.92E+04	
.051	479.9	.266	3.06E+04	
.063	564.9	.270	7.39E+04	
.089	809.9	.279	4.79E+04	
.114	842.1	.286	3.87E+04	
.140	852.6	.292	3.65E+04	
.165	831.8	.298	3.40E+04	
.317	908.5	.329	3.16E+04	
.394	942.9	.344	3.14E+04	
.470	962.4	.359	3.09E+04	
.546	978.3	.374	3.04E+04	
.622	989.6	.388	2.98E+04	
.698	999.9	.402	2.90E+04	
.775	1012.1	.416	2.87E+04	
.851	1023.9	.430	2.82E+04	
.927	1031.2	.443	2.78E+04	
1.003	1046.1	.456	2.72E+04	
1.079	1051.0	.469	2.63E+04	
1.156	1034.9	.481	2.52E+04	
1.206	1036.0	.489	2.57E+04	
1.257	1005.9	.497	2.52E+04	
1.308	1031.0	.506	2.66E+04	
1.384	1036.7	.518	2.55E+04	
1.460	1056.8	.530	2.47E+04	
1.511	1053.1	.538	2.32E+04	
1.562	1034.7	.546	2.55E+04	
1.613	1046.5	.554	2.51E+04	
1.689	1044.7	.565	2.39E+04	
1.765	1054.8	.577	2.30E+04	
1.816	1050.7	.584	2.16E+04	
1.867	1019.7	.591	2.39E+04	
1.918	1046.0	.599	2.39E+04	
1.994	1037.6	.610	2.33E+04	
2.070	1006.8	.620	2.05E+04	

INEL POST-CHF EXPERIMENT NO. 50

POINT SERIAL NO. 3050.010 (TIME= 111.50 SEC)

LOOP PRESSURE(PE-3) 8.46 MPA
 FCV TEMPERATURE(TE-FCV-1T) 541.1 K
 LHP INLET ENTHALPY 1.174E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.27 K
 MASS FLUX 19.22 KG/SEC-M**2
 INLET QUALITY .256
 INLET ENTHALPY 1.174E+06 J/KG
 QUENCH FRONT:
 ELEVATION .069 M
 VELOCITY .0006 M/SEC
 QUALITY .272
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.841 1.773 923.1 .587 .394

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013	477.9	.258	2.92E+04	
.051	479.9	.266	3.06E+04	
.063	564.9	.270	7.39E+04	
.089	809.9	.279	4.79E+04	
.114	842.1	.286	3.87E+04	
.140	852.6	.292	3.65E+04	
.165	831.8	.298	3.40E+04	
.317	908.5	.329	3.16E+04	
.394	942.9	.344	3.14E+04	
.470	962.4	.359	3.09E+04	
.546	978.3	.374	3.04E+04	
.622	989.6	.388	2.98E+04	
.698	999.9	.402	2.90E+04	
.775	1012.1	.416	2.87E+04	
.851	1023.9	.430	2.82E+04	
.927	1031.2	.443	2.78E+04	
1.003	1046.1	.456	2.72E+04	
1.079	1051.0	.469	2.63E+04	
1.156	1034.9	.481	2.52E+04	
1.206	1036.0	.489	2.57E+04	
1.257	1005.9	.497	2.52E+04	
1.308	1031.0	.506	2.66E+04	
1.384	1036.7	.518	2.55E+04	
1.460	1056.8	.530	2.47E+04	
1.511	1053.1	.538	2.32E+04	
1.562	1034.7	.546	2.55E+04	
1.613	1046.5	.554	2.51E+04	
1.689	1044.7	.565	2.39E+04	
1.765	1054.8	.577	2.30E+04	
1.816	1050.7	.584	2.16E+04	
1.867	1019.7	.591	2.39E+04	
1.918	1046.0	.599	2.39E+04	
1.994	1037.6	.610	2.33E+04	
2.070	1006.8	.620	2.05E+04	

INEL POST-CHF EXPERIMENT NO. 50

POINT SERIAL NO. 1050.020 (TIME= 187.50 SEC)

LOOP PRESSURE(PE-3) 8.47 MPA
 FCV TEMPERATURE(TE-FCV-1T) 543.7 K
 LHP INLET ENTHALPY 1.187E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.43 K
 MASS FLUX 18.59 KG/SEC-M**2
 INLET QUALITY .262
 INLET ENTHALPY 1.187E+06 J/KG
 QUENCH FRONT:
 ELEVATION .166 M
 VELOCITY .0014 M/SEC
 QUALITY .293
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.232	1.066	791.9	.492	.362

WALL TEMPERATURE MEASUREMENT			LOCATION INFORMATION		HEAT LOSS W/M**2
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS	
(M)	(K)		W/M**2	W/M**2	
.013	444.5	.264	2.39E+04		
.051	447.6	.270	2.42E+04		
.063	434.1	.272	2.33E+04		
.089	443.1	.276	2.41E+04		
.114	449.9	.280	2.61E+04		
.140	448.2	.286	4.07E+04		
.165	615.2	.293	4.69E+04		
.317	851.6	.331	2.94E+04		
.394	889.0	.345	2.85E+04		
.470	911.7	.359	2.82E+04		
.546	932.0	.373	2.80E+04		
.622	946.5	.387	2.78E+04		
.698	960.3	.400	2.74E+04		
.775	974.7	.414	2.72E+04		
.851	989.5	.427	2.70E+04		
.927	999.9	.440	2.69E+04		
1.003	1017.2	.454	2.69E+04		
1.079	1026.6	.467	2.64E+04		
1.156	1017.0	.480	2.56E+04		
1.206	1017.3	.488	2.58E+04		
1.257	983.5	.497	2.49E+04		
1.308	1007.7	.505	2.63E+04		
1.384	1020.1	.518	2.56E+04		
1.460	1044.6	.530	2.53E+04		
1.511	1042.0	.538	2.35E+04		
1.562	1022.2	.546	2.51E+04		
1.613	1035.2	.555	2.48E+04		
1.689	1039.2	.567	2.42E+04		
1.765	1054.1	.578	2.37E+04		
1.816	1050.6	.586	2.20E+04		
1.867	1018.4	.593	2.33E+04		
1.918	1045.4	.601	2.34E+04		
1.994	1040.9	.613	2.33E+04		
2.070	1017.0	.624	2.34E+04		

INEL POST-CHF EXPERIMENT NO. 50

POINT SERIAL NO. 2050.020 (TIME= 187.50 SEC)

LOOP PRESSURE(PE-3) 8.47 MPA
 FCV TEMPERATURE(TE-FCV-1T) 543.7 K
 LHP INLET ENTHALPY 1.187E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.43 K
 MASS FLUX 18.59 KG/SEC-M**2
 INLET QUALITY .262
 INLET ENTHALPY 1.187E+06 J/KG
 QUENCH FRONT:
 ELEVATION .166 M
 VELOCITY .0014 M/SEC
 QUALITY .293
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.537	1.371	864.2	.542	.378

WALL TEMPERATURE MEASUREMENT			LOCATION INFORMATION		HEAT LOSS W/M**2
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS	
(M)	(K)		W/M**2	W/M**2	
.013	444.5	.264	2.39E+04		
.051	447.6	.270	2.42E+04		
.063	434.1	.272	2.33E+04		
.089	443.1	.276	2.41E+04		
.114	449.9	.280	2.61E+04		
.140	448.2	.286	4.07E+04		
.165	615.2	.293	4.69E+04		
.317	851.6	.331	2.94E+04		
.394	889.0	.345	2.85E+04		
.470	911.7	.359	2.82E+04		
.546	932.0	.373	2.80E+04		
.622	946.5	.387	2.78E+04		
.698	960.3	.400	2.74E+04		
.775	974.7	.414	2.72E+04		
.851	989.5	.427	2.70E+04		
.927	999.9	.440	2.69E+04		
1.003	1017.2	.454	2.69E+04		
1.079	1026.6	.467	2.64E+04		
1.156	1017.0	.480	2.56E+04		
1.206	1017.3	.488	2.58E+04		
1.257	983.5	.497	2.49E+04		
1.308	1007.7	.505	2.63E+04		
1.384	1020.1	.518	2.56E+04		
1.460	1044.6	.530	2.53E+04		
1.511	1042.0	.538	2.35E+04		
1.562	1022.2	.546	2.51E+04		
1.613	1035.2	.555	2.48E+04		
1.689	1039.2	.567	2.42E+04		
1.765	1054.1	.578	2.37E+04		
1.816	1050.6	.586	2.20E+04		
1.867	1018.4	.593	2.33E+04		
1.918	1045.4	.601	2.34E+04		
1.994	1040.9	.613	2.33E+04		
2.070	1017.0	.624	2.34E+04		

INEL POST-CHF EXPERIMENT NO. 50

POINT SERIAL NO. 3050.020 (TIME= 187.50 SEC)

LOOP PRESSURE(PE-3) 8.47 MPA
 FCV TEMPERATURE(TE-FCV-11) 543.7 K
 LHP INLET ENTHALPY 1.187E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.43 K
 MASS FLUX 18.59 KG/SEC-M**2
 INLET QUALITY .262
 INLET ENTHALPY 1.187E+06 J/KG
 QUENCH FRONT:
 ELEVATION .166 M
 VELOCITY .0014 M/SEC
 QUALITY .293
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.841	1.676	906.3	.590	.399

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	444.5	.264	2.39E+04	
.051	447.6	.270	2.42E+04	
.063	434.1	.272	2.33E+04	
.089	443.1	.276	2.41E+04	
.114	449.9	.280	2.61E+04	
.140	448.2	.286	4.07E+04	
.165	615.2	.293	4.69E+04	
.317	851.6	.331	2.94E+04	
.394	889.0	.345	2.85E+04	
.470	911.7	.359	2.82E+04	
.546	932.0	.373	2.80E+04	
.622	946.5	.387	2.78E+04	
.698	960.3	.400	2.74E+04	
.775	974.7	.414	2.72E+04	
.851	989.5	.427	2.70E+04	
.927	999.9	.440	2.69E+04	
1.003	1017.2	.454	2.69E+04	
1.079	1026.6	.467	2.64E+04	
1.156	1017.0	.480	2.56E+04	
1.206	1017.3	.488	2.58E+04	
1.257	983.5	.497	2.49E+04	
1.308	1007.7	.505	2.63E+04	
1.384	1020.1	.518	2.56E+04	
1.460	1044.6	.530	2.53E+04	
1.511	1042.0	.538	2.35E+04	
1.562	1022.2	.546	2.51E+04	
1.613	1035.2	.555	2.48E+04	
1.689	1039.2	.567	2.42E+04	
1.765	1054.1	.578	2.37E+04	
1.816	1050.6	.586	2.20E+04	
1.867	1018.4	.593	2.33E+04	
1.918	1045.4	.601	2.34E+04	
1.994	1040.9	.613	2.33E+04	
2.070	1017.0	.624	2.34E+04	

INEL POST-CHF EXPERIMENT NO. 50

POINT SERIAL NO. 1050.030 (TIME= 237.50 SEC)

LOOP PRESSURE(PE-3) 8.48 MPA
 FCV TEMPERATURE(TE-FCV-11) 542.5 K
 LHP INLET ENTHALPY 1.181E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.53 K
 MASS FLUX 18.73 KG/SEC-M**2
 INLET QUALITY .259
 INLET ENTHALPY 1.181E+06 J/KG
 QUENCH FRONT:
 ELEVATION .238 M
 VELOCITY .0014 M/SEC
 QUALITY .303
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.232	.994	761.7	.484	.361

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	438.0	.261	2.40E+04	
.051	440.2	.267	2.42E+04	
.063	430.4	.269	2.38E+04	
.089	437.0	.273	2.40E+04	
.114	437.7	.277	2.43E+04	
.140	430.0	.281	2.37E+04	
.165	432.4	.286	3.72E+04	
.317	816.1	.321	3.44E+04	
.394	861.9	.337	2.94E+04	
.470	888.4	.351	2.84E+04	
.546	910.5	.365	2.78E+04	
.622	926.9	.378	2.75E+04	
.698	941.9	.392	2.71E+04	
.775	957.1	.405	2.70E+04	
.851	972.6	.418	2.71E+04	
.927	983.8	.432	2.70E+04	
1.003	1002.1	.445	2.68E+04	
1.079	1012.9	.458	2.66E+04	
1.156	1005.8	.471	2.61E+04	
1.206	1006.4	.479	2.61E+04	
1.257	972.6	.488	2.47E+04	
1.308	995.9	.496	2.61E+04	
1.384	1011.0	.509	2.55E+04	
1.460	1037.1	.521	2.54E+04	
1.511	1035.4	.529	2.38E+04	
1.562	1016.4	.537	2.49E+04	
1.613	1030.5	.545	2.49E+04	
1.689	1036.7	.557	2.45E+04	
1.765	1053.2	.569	2.42E+04	
1.816	1050.3	.577	2.26E+04	
1.867	1018.2	.585	2.39E+04	
1.918	1045.7	.593	2.42E+04	
1.994	1035.1	.604	2.39E+04	
2.070	1018.6	.616	2.33E+04	

INEL POST-CHF EXPERIMENT NO. 50

POINT SERIAL NO. 2050.030 (TIME= 237.50 SEC)

LOOP PRESSURE(PE-3) 8.48 MPA
 FCV TEMPERATURE(TE-FCV-1T) 542.5 K
 LHP INLET ENTHALPY 1.181E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.53 K
 MASS FLUX 18.73 KG/SEC-M**2
 INLET QUALITY .259
 INLET ENTHALPY 1.181E+06 J/KG
 QUENCH FRONT:
 ELEVATION .238 M
 VELOCITY .0014 M/SEC
 QUALITY .303
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.537 1.299 847.9 .533 .377

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013 438.0 .261 2.40E+04
 .051 440.2 .267 2.42E+04
 .063 430.4 .269 2.38E+04
 .089 437.0 .273 2.40E+04
 .114 437.7 .277 2.43E+04
 .140 430.0 .281 2.37E+04
 .165 432.4 .286 3.72E+04
 .317 816.1 .321 3.44E+04
 .394 861.9 .337 2.94E+04
 .470 888.4 .351 2.84E+04
 .546 910.5 .365 2.78E+04
 .622 926.9 .378 2.75E+04
 .698 941.9 .392 2.71E+04
 .775 957.1 .405 2.70E+04
 .851 972.6 .418 2.71E+04
 .927 983.8 .432 2.70E+04
 1.003 1002.1 .445 2.68E+04
 1.079 1012.9 .458 2.66E+04
 1.156 1005.8 .471 2.61E+04
 1.206 1006.4 .479 2.61E+04
 1.257 972.6 .488 2.47E+04
 1.308 995.9 .496 2.61E+04
 1.384 1011.0 .509 2.55E+04
 1.460 1037.1 .521 2.54E+04
 1.511 1035.4 .529 2.38E+04
 1.562 1016.4 .537 2.49E+04
 1.613 1030.5 .545 2.49E+04
 1.689 1036.7 .557 2.45E+04
 1.765 1053.2 .569 2.42E+04
 1.816 1050.3 .577 2.26E+04
 1.867 1018.2 .585 2.39E+04
 1.918 1045.7 .593 2.42E+04
 1.994 1035.1 .604 2.39E+04
 2.070 1018.6 .616 2.33E+04

INEL POST-CHF EXPERIMENT NO. 50

POINT SERIAL NO. 3050.030 (TIME= 237.50 SEC)

LOOP PRESSURE(PE-3) 8.48 MPA
 FCV TEMPERATURE(TE-FCV-1T) 542.5 K
 LHP INLET ENTHALPY 1.181E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.53 K
 MASS FLUX 18.73 KG/SEC-M**2
 INLET QUALITY .259
 INLET ENTHALPY 1.181E+06 J/KG
 QUENCH FRONT:
 ELEVATION .238 M
 VELOCITY .0014 M/SEC
 QUALITY .303
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.841 1.604 902.4 .581 .397

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013 438.0 .261 2.40E+04
 .051 440.2 .267 2.42E+04
 .063 430.4 .269 2.38E+04
 .089 437.0 .273 2.40E+04
 .114 437.7 .277 2.43E+04
 .140 430.0 .281 2.37E+04
 .165 432.4 .286 3.72E+04
 .317 816.1 .321 3.44E+04
 .394 861.9 .337 2.94E+04
 .470 888.4 .351 2.84E+04
 .546 910.5 .365 2.78E+04
 .622 926.9 .378 2.75E+04
 .698 941.9 .392 2.71E+04
 .775 957.1 .405 2.70E+04
 .851 972.6 .418 2.71E+04
 .927 983.8 .432 2.70E+04
 1.003 1002.1 .445 2.68E+04
 1.079 1012.9 .458 2.66E+04
 1.156 1005.8 .471 2.61E+04
 1.206 1006.4 .479 2.61E+04
 1.257 972.6 .488 2.47E+04
 1.308 995.9 .496 2.61E+04
 1.384 1011.0 .509 2.55E+04
 1.460 1037.1 .521 2.54E+04
 1.511 1035.4 .529 2.38E+04
 1.562 1016.4 .537 2.49E+04
 1.613 1030.5 .545 2.49E+04
 1.689 1036.7 .557 2.45E+04
 1.765 1053.2 .569 2.42E+04
 1.816 1050.3 .577 2.26E+04
 1.867 1018.2 .585 2.39E+04
 1.918 1045.7 .593 2.42E+04
 1.994 1035.1 .604 2.39E+04
 2.070 1018.6 .616 2.33E+04

INEL POST-CHF EXPERIMENT NO. 50

POINT SERIAL NO. 1950.040 (TIME= 287.50 SEC)

LOOP PRESSURE(PE-3) 8.46 MPA
 FCV TEMPERATURE(TE-FCV-1T) 542.3 K
 LHP INLET ENTHALPY 1.180E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.47 K
 MASS FLUX 18.74 KG/SEC-M**2
 INLET QUALITY .259
 INLET ENTHALPY 1.180E+06 J/KG
 QUENCH FRONT:
 ELEVATION .315 M
 VELOCITY .0016 M/SEC
 QUALITY .317
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.232	.916	744.0	.489	.372

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	434.9	.261	2.51E+04	
.051	436.2	.267	2.52E+04	
.063	428.6	.269	2.50E+04	
.089	433.9	.273	2.51E+04	
.114	432.7	.277	2.52E+04	
.140	427.7	.281	2.49E+04	
.165	428.3	.285	2.50E+04	
.317	663.8	.317	4.03E+04	
.394	827.3	.335	3.37E+04	
.470	862.9	.351	3.05E+04	
.546	890.0	.366	2.93E+04	
.622	909.5	.380	2.89E+04	
.698	926.4	.394	2.85E+04	
.775	942.2	.408	2.80E+04	
.851	958.2	.422	2.80E+04	
.927	970.0	.435	2.79E+04	
1.003	988.5	.449	2.78E+04	
1.079	1000.8	.462	2.76E+04	
1.156	995.5	.476	2.73E+04	
1.206	996.6	.485	2.72E+04	
1.257	962.4	.493	2.55E+04	
1.308	985.5	.502	2.71E+04	
1.384	1002.6	.515	2.68E+04	
1.460	1030.1	.528	2.65E+04	
1.511	1029.3	.537	2.47E+04	
1.562	1011.2	.545	2.58E+04	
1.613	1025.7	.553	2.57E+04	
1.689	1033.9	.566	2.54E+04	
1.765	1052.1	.578	2.52E+04	
1.816	1049.8	.586	2.36E+04	
1.867	1017.6	.594	2.54E+04	
1.918	1045.8	.602	2.49E+04	
1.994	1026.6	.614	2.22E+04	
2.070	1022.6	.625	2.46E+04	

INEL POST-CHF EXPERIMENT NO. 50

POINT SERIAL NO. 2050.040 (TIME= 287.50 SEC)

LOOP PRESSURE(PE-3) 8.46 MPA
 FCV TEMPERATURE(TE-FCV-1T) 542.3 K
 LHP INLET ENTHALPY 1.180E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.47 K
 MASS FLUX 18.74 KG/SEC-M**2
 INLET QUALITY .259
 INLET ENTHALPY 1.180E+06 J/KG
 QUENCH FRONT:
 ELEVATION .315 M
 VELOCITY .0016 M/SEC
 QUALITY .317
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.537	1.221	824.0	.541	.387

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	434.9	.261	2.51E+04	
.051	436.2	.267	2.52E+04	
.063	428.6	.269	2.50E+04	
.089	433.9	.273	2.51E+04	
.114	432.7	.277	2.52E+04	
.140	427.7	.281	2.49E+04	
.165	428.3	.285	2.50E+04	
.317	663.8	.317	4.03E+04	
.394	827.3	.335	3.37E+04	
.470	862.9	.351	3.05E+04	
.546	890.0	.366	2.93E+04	
.622	909.5	.380	2.89E+04	
.698	926.4	.394	2.85E+04	
.775	942.2	.408	2.80E+04	
.851	958.2	.422	2.80E+04	
.927	970.0	.435	2.79E+04	
1.003	988.5	.449	2.78E+04	
1.079	1000.8	.462	2.76E+04	
1.156	995.5	.476	2.73E+04	
1.206	996.6	.485	2.72E+04	
1.257	962.4	.493	2.55E+04	
1.308	985.5	.502	2.71E+04	
1.384	1002.6	.515	2.68E+04	
1.460	1030.1	.528	2.65E+04	
1.511	1029.3	.537	2.47E+04	
1.562	1011.2	.545	2.58E+04	
1.613	1025.7	.553	2.57E+04	
1.689	1033.9	.566	2.54E+04	
1.765	1052.1	.578	2.52E+04	
1.816	1049.8	.586	2.36E+04	
1.867	1017.6	.594	2.54E+04	
1.918	1045.8	.602	2.49E+04	
1.994	1026.6	.614	2.22E+04	
2.070	1022.6	.625	2.46E+04	

INEL POST-CHF EXPERIMENT NO. 50

POINT SERIAL NO. 3050.040 (TIME= 287.50 SEC)

LOOP PRESSURE(PE-3) 8.46 MPA
 FCV TEMPERATURE(TE-FCV-1T) 542.3 K
 LHP INLET ENTHALPY 1.180E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.47 K
 MASS FLUX 18.74 KG/SEC-M**2
 INLET QUALITY .259
 INLET ENTHALPY 1.180E+06 J/KG
 QUENCH FRONT:
 ELEVATION .315 M
 VELOCITY .0016 M/SEC
 QUALITY .317
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.526	876.4	.590	.406

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	434.9	.261	2.51E+04	
.051	436.2	.267	2.52E+04	
.063	428.6	.269	2.50E+04	
.089	433.9	.273	2.51E+04	
.114	432.7	.277	2.52E+04	
.140	427.7	.281	2.49E+04	
.165	428.3	.285	2.50E+04	
.317	663.8	.317	4.03E+04	
.394	827.3	.335	3.37E+04	
.470	862.9	.351	3.05E+04	
.546	890.0	.366	2.93E+04	
.622	909.5	.380	2.89E+04	
.698	926.4	.394	2.85E+04	
.775	942.2	.408	2.80E+04	
.851	958.2	.422	2.80E+04	
.927	970.0	.435	2.79E+04	
1.003	988.5	.449	2.78E+04	
1.079	1000.8	.462	2.76E+04	
1.156	995.5	.476	2.73E+04	
1.206	996.6	.485	2.72E+04	
1.257	962.4	.493	2.55E+04	
1.308	985.5	.502	2.71E+04	
1.384	1002.6	.515	2.68E+04	
1.460	1030.1	.528	2.65E+04	
1.511	1029.3	.537	2.47E+04	
1.562	1011.2	.545	2.58E+04	
1.613	1025.7	.553	2.57E+04	
1.689	1033.9	.566	2.54E+04	
1.765	1052.1	.578	2.52E+04	
1.816	1049.8	.586	2.36E+04	
1.867	1017.6	.594	2.54E+04	
1.918	1045.8	.602	2.49E+04	
1.994	1026.6	.614	2.22E+04	
2.070	1022.6	.625	2.46E+04	

INEL POST-CHF EXPERIMENT NO. 50

POINT SERIAL NO. 1050.050 (TIME= 333.50 SEC)

LOOP PRESSURE(PE-3) 8.51 MPA
 FCV TEMPERATURE(TE-FCV-1T) 542.7 K
 LHP INLET ENTHALPY 1.182E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.43 K
 MASS FLUX 18.70 KG/SEC-M**2
 INLET QUALITY .260
 INLET ENTHALPY 1.182E+06 J/KG
 QUENCH FRONT:
 ELEVATION .387 M
 VELOCITY .0015 M/SEC
 QUALITY .334
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.845	714.1	.506	.392

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	433.1	.262	2.62E+04	
.051	433.8	.268	2.62E+04	
.063	427.4	.270	2.59E+04	
.089	432.2	.275	2.60E+04	
.114	430.4	.279	2.62E+04	
.140	426.6	.283	2.60E+04	
.165	427.0	.288	2.61E+04	
.317	434.2	.314	2.73E+04	
.394	740.4	.336	6.52E+04	
.470	833.6	.361	3.44E+04	
.546	869.8	.377	3.15E+04	
.622	893.1	.392	3.03E+04	
.698	912.7	.407	2.95E+04	
.775	930.4	.421	2.92E+04	
.851	946.6	.436	2.91E+04	
.927	959.2	.450	2.89E+04	
1.003	977.9	.464	2.87E+04	
1.079	990.6	.478	2.85E+04	
1.156	986.8	.492	2.85E+04	
1.206	988.1	.501	2.85E+04	
1.257	953.9	.510	2.69E+04	
1.308	976.7	.519	2.85E+04	
1.384	995.4	.533	2.83E+04	
1.460	1023.8	.547	2.80E+04	
1.511	1023.7	.556	2.60E+04	
1.562	1006.5	.565	2.79E+04	
1.613	1021.9	.574	2.76E+04	
1.689	1032.1	.587	2.73E+04	
1.765	1051.4	.601	2.69E+04	
1.816	1049.3	.609	2.51E+04	
1.867	1017.0	.618	2.72E+04	
1.918	1045.5	.627	2.70E+04	
1.994	1015.9	.642	3.50E+04	
2.070	1018.4	.658	3.10E+04	

INEL POST-CHF EXPERIMENT NO. 50

POINT SERIAL NO. 2050.050 (TIME= 333.50 SEC)

LOOP PRESSURE{PE-3} 8.51 MPA
 FCV TEMPERATURE{TE-FCV-1T} 542.7 K
 LHP INLET ENTHALPY 1.182E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.43 K
 MASS FLUX 18.70 KG/SEC-M**2
 INLET QUALITY .260
 INLET ENTHALPY 1.182E+06 J/KG
 QUENCH FRONT:
 ELEVATION .387 M
 VELOCITY .0015 M/SEC
 QUALITY .334
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION	DZQF	TV	XE XA
(M)	(M)	(K)	
1.537	1.150	808.2	.560 .407

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	433.1	.262	2.62E+04	
.051	433.8	.268	2.62E+04	
.063	427.4	.270	2.59E+04	
.089	432.2	.275	2.60E+04	
.114	430.4	.279	2.62E+04	
.140	426.6	.283	2.60E+04	
.165	427.0	.288	2.61E+04	
.317	434.2	.314	2.73E+04	
.394	740.4	.336	6.52E+04	
.470	833.6	.361	3.44E+04	
.546	869.8	.377	3.15E+04	
.622	893.1	.392	3.03E+04	
.698	912.7	.407	2.95E+04	
.775	930.4	.421	2.92E+04	
.851	946.6	.436	2.91E+04	
.927	959.2	.450	2.89E+04	
1.003	977.9	.464	2.87E+04	
1.079	990.6	.478	2.85E+04	
1.156	986.8	.492	2.85E+04	
1.206	988.1	.501	2.85E+04	
1.257	953.9	.510	2.69E+04	
1.308	976.7	.519	2.85E+04	
1.384	995.4	.533	2.83E+04	
1.460	1023.8	.547	2.80E+04	
1.511	1023.7	.556	2.60E+04	
1.562	1006.5	.565	2.79E+04	
1.613	1021.9	.574	2.76E+04	
1.689	1032.1	.587	2.73E+04	
1.765	1051.4	.601	2.69E+04	
1.816	1049.3	.609	2.51E+04	
1.867	1017.0	.618	2.72E+04	
1.918	1045.5	.627	2.70E+04	
1.994	1015.9	.642	3.50E+04	
2.070	1018.4	.658	3.10E+04	

INEL POST-CHF EXPERIMENT NO. 50

POINT SERIAL NO. 3050.050 (TIME= 334.50 SEC)

LOOP PRESSURE{PE-3} 8.46 MPA
 FCV TEMPERATURE{TE-FCV-1T} 542.7 K
 LHP INLET ENTHALPY 1.182E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.42 K
 MASS FLUX 18.69 KG/SEC-M**2
 INLET QUALITY .260
 INLET ENTHALPY 1.182E+06 J/KG
 QUENCH FRONT:
 ELEVATION .388 M
 VELOCITY .0015 M/SEC
 QUALITY .335
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION	DZQF	TV	XE XA
(M)	(M)	(K)	
1.841	1.453	864.8	.614 .427

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	433.0	.262	2.63E+04	
.051	433.7	.268	2.62E+04	
.063	427.4	.271	2.61E+04	
.089	432.2	.275	2.61E+04	
.114	430.4	.279	2.63E+04	
.140	426.6	.283	2.61E+04	
.165	427.0	.288	2.62E+04	
.317	434.0	.314	2.73E+04	
.394	723.3	.337	6.50E+04	
.470	832.8	.361	3.48E+04	
.546	869.3	.377	3.16E+04	
.622	892.7	.393	3.03E+04	
.698	912.4	.407	2.96E+04	
.775	930.2	.422	2.93E+04	
.851	946.4	.436	2.92E+04	
.927	959.0	.450	2.90E+04	
1.003	977.7	.465	2.89E+04	
1.079	990.5	.479	2.86E+04	
1.156	986.6	.493	2.86E+04	
1.206	987.9	.502	2.86E+04	
1.257	953.7	.511	2.71E+04	
1.308	976.5	.520	2.86E+04	
1.384	995.2	.534	2.83E+04	
1.460	1023.7	.548	2.81E+04	
1.511	1023.6	.557	2.62E+04	
1.562	1006.4	.566	2.77E+04	
1.613	1021.8	.575	2.74E+04	
1.689	1032.0	.588	2.71E+04	
1.765	1051.4	.602	2.71E+04	
1.816	1049.3	.610	2.52E+04	
1.867	1017.0	.619	2.73E+04	
1.918	1045.4	.628	2.71E+04	
1.994	1015.1	.642	3.06E+04	
2.070	1017.8	.657	3.01E+04	

INEL POST-CHF EXPERIMENT NO. 50

POINT SERIAL NO. 1050.060 (TIME= 390.50 SEC)

LOOP PRESSURE(PE-3) 8.47 MPA
 FCV TEMPERATURE(TE-FCV-11) 542.6 K
 LHP INLET ENTHALPY 1.182E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.33 K
 MASS FLUX 18.72 KG/SEC-M**2
 INLET QUALITY .260
 INLET ENTHALPY 1.182E+06 J/KG
 QUENCH FRONT:
 ELEVATION .469 M
 VELOCITY .0013 M/SEC
 QUALITY .348
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.763	683.8	.502	.399

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	431.7	.262	2.68E+04	
.051	431.9	.269	2.67E+04	
.063	426.4	.271	2.67E+04	
.089	430.7	.275	2.68E+04	
.114	428.6	.279	2.67E+04	
.140	425.8	.284	2.67E+04	
.165	426.0	.288	2.67E+04	
.317	428.3	.315	2.71E+04	
.394	433.5	.328	2.76E+04	
.470	658.5	.348	5.51E+04	
.546	834.9	.370	3.42E+04	
.622	869.9	.386	3.13E+04	
.698	895.3	.401	3.04E+04	
.775	916.2	.416	2.97E+04	
.851	933.9	.431	2.95E+04	
.927	947.3	.445	2.93E+04	
1.003	966.3	.459	2.94E+04	
1.079	979.3	.474	2.94E+04	
1.156	976.6	.488	2.92E+04	
1.206	978.0	.498	2.91E+04	
1.257	943.4	.507	2.75E+04	
1.308	966.2	.516	2.93E+04	
1.384	986.6	.531	2.89E+04	
1.460	1016.4	.545	2.87E+04	
1.511	1017.2	.554	2.69E+04	
1.562	1002.1	.563	2.87E+04	
1.613	1018.1	.572	2.85E+04	
1.689	1030.1	.586	2.81E+04	
1.765	1050.9	.600	2.78E+04	
1.816	1049.2	.609	2.61E+04	
1.867	1017.5	.617	2.75E+04	
1.918	1046.6	.626	2.78E+04	
1.994	1011.6	.643	4.10E+04	
2.070	1012.7	.665	4.91E+04	

INEL POST-CHF EXPERIMENT NO. 50

POINT SERIAL NO. 2050.060 (TIME= 390.50 SEC)

LOOP PRESSURE(PE-3) 8.47 MPA
 FCV TEMPERATURE(TE-FCV-11) 542.6 K
 LHP INLET ENTHALPY 1.182E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.33 K
 MASS FLUX 18.72 KG/SEC-M**2
 INLET QUALITY .260
 INLET ENTHALPY 1.182E+06 J/KG
 QUENCH FRONT:
 ELEVATION .469 M
 VELOCITY .0013 M/SEC
 QUALITY .348
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	1.067	781.7	.558	.412

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	431.7	.262	2.68E+04	
.051	431.9	.269	2.67E+04	
.063	426.4	.271	2.67E+04	
.089	430.7	.275	2.68E+04	
.114	428.6	.279	2.67E+04	
.140	425.8	.284	2.67E+04	
.165	426.0	.288	2.67E+04	
.317	428.3	.315	2.71E+04	
.394	433.5	.328	2.76E+04	
.470	658.5	.348	5.51E+04	
.546	834.9	.370	3.42E+04	
.622	869.9	.386	3.13E+04	
.698	895.3	.401	3.04E+04	
.775	916.2	.416	2.97E+04	
.851	933.9	.431	2.95E+04	
.927	947.3	.445	2.93E+04	
1.003	966.3	.459	2.94E+04	
1.079	979.3	.474	2.94E+04	
1.156	976.6	.488	2.92E+04	
1.206	978.0	.498	2.91E+04	
1.257	943.4	.507	2.75E+04	
1.308	966.2	.516	2.93E+04	
1.384	986.6	.531	2.89E+04	
1.460	1016.4	.545	2.87E+04	
1.511	1017.2	.554	2.69E+04	
1.562	1002.1	.563	2.87E+04	
1.613	1018.1	.572	2.85E+04	
1.689	1030.1	.586	2.81E+04	
1.765	1050.9	.600	2.78E+04	
1.816	1049.2	.609	2.61E+04	
1.867	1017.5	.617	2.75E+04	
1.918	1046.6	.626	2.78E+04	
1.994	1011.6	.643	4.10E+04	
2.070	1012.7	.665	4.91E+04	

INEL POST-CHF EXPERIMENT NO. 50

POINT SERIAL NO. 3050.060 (TIME= 391.50 SEC)

LOOP PRESSURE(PE-3) 8.45 MPA
 FCV TEMPERATURE(TE-FCV-1T) 542.6 K
 LHP INLET ENTHALPY 1.182E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.33 K
 MASS FLUX 18.72 KG/SEC-M**2
 INLET QUALITY .260
 INLET ENTHALPY 1.182E+06 J/KG
 QUENCH FRONT:
 ELEVATION .471 M
 VELOCITY .0013 M/SEC
 QUALITY .349
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.371	851.4	.615	.432

WALL TEMPERATURE MEASUREMENT					LOCATION INFORMATION	
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2		
.013	431.6	.262	2.70E+04			
.051	431.9	.269	2.69E+04			
.063	426.3	.271	2.68E+04			
.089	430.6	.275	2.69E+04			
.114	428.5	.280	2.69E+04			
.140	425.8	.284	2.69E+04			
.165	425.9	.288	2.69E+04			
.317	428.2	.315	2.73E+04			
.394	433.3	.328	2.81E+04			
.470	629.7	.349	5.51E+04			
.546	834.1	.371	3.43E+04			
.622	869.5	.387	3.15E+04			
.698	895.0	.402	3.05E+04			
.775	916.0	.417	2.98E+04			
.851	933.7	.431	2.97E+04			
.927	947.0	.446	2.95E+04			
1.003	966.1	.460	2.95E+04			
1.079	979.1	.475	2.95E+04			
1.156	976.4	.489	2.94E+04			
1.206	977.8	.499	2.93E+04			
1.257	943.2	.508	2.77E+04			
1.308	966.0	.518	2.94E+04			
1.384	986.5	.532	2.91E+04			
1.460	1016.2	.546	2.88E+04			
1.511	1017.0	.555	2.69E+04			
1.562	1001.9	.564	2.90E+04			
1.613	1018.0	.574	2.87E+04			
1.689	1030.0	.588	2.83E+04			
1.765	1050.8	.602	2.80E+04			
1.816	1049.1	.610	2.62E+04			
1.867	1017.4	.619	2.77E+04			
1.918	1046.5	.628	2.79E+04			
1.994	1009.8	.646	4.31E+04			
2.070	1010.4	.668	4.80E+04			

INEL POST-CHF EXPERIMENT NO. 50

POINT SERIAL NO. 1050.070 (TIME= 448.50 SEC)

LOOP PRESSURE(PE-3) 8.47 MPA
 FCV TEMPERATURE(TE-FCV-1T) 543.0 K
 LHP INLET ENTHALPY 1.184E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.35 K
 MASS FLUX 18.65 KG/SEC-M**2
 INLET QUALITY .261
 INLET ENTHALPY 1.184E+06 J/KG
 QUENCH FRONT:
 ELEVATION .547 M
 VELOCITY .0013 M/SEC
 QUALITY .362
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.685	657.3	.500	.407

WALL TEMPERATURE MEASUREMENT					LOCATION INFORMATION	
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2		
.013	430.7	.263	2.70E+04			
.051	430.8	.270	2.72E+04			
.063	425.9	.272	2.70E+04			
.089	429.9	.276	2.70E+04			
.114	427.7	.281	2.70E+04			
.140	425.4	.285	2.70E+04			
.165	425.6	.290	2.70E+04			
.317	426.4	.316	2.71E+04			
.394	428.5	.330	2.72E+04			
.470	446.4	.344	2.95E+04			
.546	618.4	.362	4.50E+04			
.622	835.7	.382	3.47E+04			
.698	874.5	.398	3.16E+04			
.775	900.9	.413	3.04E+04			
.851	921.6	.428	2.99E+04			
.927	936.4	.433	2.95E+04			
1.003	956.5	.447	2.93E+04			
1.079	969.4	.471	2.94E+04			
1.156	967.2	.486	2.92E+04			
1.206	968.7	.496	2.93E+04			
1.257	934.4	.505	2.75E+04			
1.308	956.6	.514	2.93E+04			
1.384	978.2	.529	2.93E+04			
1.460	1009.2	.543	2.88E+04			
1.511	1010.9	.552	2.72E+04			
1.562	997.0	.561	2.87E+04			
1.613	1014.1	.571	2.85E+04			
1.689	1027.9	.585	2.81E+04			
1.765	1050.1	.598	2.78E+04			
1.816	1048.9	.607	2.60E+04			
1.867	1018.2	.616	2.74E+04			
1.918	1048.2	.625	2.75E+04			
1.994	1012.5	.638	2.50E+04			
2.070	1017.5	.650	2.33E+04			

INEL POST-CHF EXPERIMENT NO. 50

POINT SERIAL NO. 2050.070 (TIME= 448.50 SEC)

LOOP PRESSURE(PE-3) 8.47 MPA
 FCV TEMPERATURE(TE-FCV-1T) 543.0 K
 LHP INLET ENTHALPY 1.184E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.35 K
 MASS FLUX 18.65 KG/SEC-M**2
 INLET QUALITY .261
 INLET ENTHALPY 1.184E+06 J/KG
 QUENCH FRONT:
 ELEVATION .547 M
 VELOCITY .0013 M/SEC
 QUALITY .362
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE XA
1.537	.990	761.2	.557 .416

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	430.7	.263	2.70E+04	
.051	430.8	.270	2.72E+04	
.063	425.9	.272	2.70E+04	
.089	429.9	.276	2.70E+04	
.114	427.7	.281	2.70E+04	
.140	425.4	.285	2.70E+04	
.165	425.6	.290	2.70E+04	
.317	426.4	.316	2.71E+04	
.394	428.5	.330	2.72E+04	
.470	446.4	.344	2.95E+04	
.546	618.4	.362	4.50E+04	
.622	835.7	.382	3.47E+04	
.698	874.5	.398	3.16E+04	
.775	900.9	.413	3.04E+04	
.851	921.6	.428	2.99E+04	
.927	936.4	.443	2.95E+04	
1.003	956.3	.457	2.93E+04	
1.079	969.4	.471	2.94E+04	
1.156	967.2	.486	2.92E+04	
1.206	968.7	.496	2.93E+04	
1.257	934.4	.505	2.75E+04	
1.308	956.6	.514	2.93E+04	
1.384	978.2	.529	2.93E+04	
1.460	1009.2	.543	2.88E+04	
1.511	1010.9	.552	2.72E+04	
1.562	997.0	.561	2.87E+04	
1.613	1014.1	.571	2.85E+04	
1.689	1027.9	.585	2.81E+04	
1.765	1050.1	.598	2.78E+04	
1.816	1048.9	.607	2.60E+04	
1.867	1018.2	.616	2.74E+04	
1.918	1048.2	.625	2.75E+04	
1.994	1012.5	.638	2.50E+04	
2.070	1017.5	.650	2.33E+04	

INEL POST-CHF EXPERIMENT NO. 50

POINT SERIAL NO. 3050.070 (TIME= 449.50 SEC)

LOOP PRESSURE(PE-3) 8.47 MPA
 FCV TEMPERATURE(TE-FCV-1T) 543.6 K
 LHP INLET ENTHALPY 1.184E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.35 K
 MASS FLUX 18.67 KG/SEC-M**2
 INLET QUALITY .261
 INLET ENTHALPY 1.184E+06 J/KG
 QUENCH FRONT:
 ELEVATION .548 M
 VELOCITY .0013 M/SEC
 QUALITY .362
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE XA
1.841	1.293	837.9	.613 .433

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	430.7	.263	2.71E+04	
.051	430.8	.270	2.71E+04	
.063	425.9	.272	2.71E+04	
.089	429.9	.276	2.71E+04	
.114	427.7	.281	2.70E+04	
.140	425.4	.285	2.71E+04	
.165	425.6	.290	2.71E+04	
.317	426.3	.316	2.71E+04	
.394	428.5	.330	2.72E+04	
.470	446.1	.344	2.93E+04	
.546	596.9	.362	4.50E+04	
.622	834.9	.382	3.50E+04	
.698	874.1	.398	3.17E+04	
.775	900.7	.413	3.06E+04	
.851	921.3	.428	2.99E+04	
.927	936.2	.443	2.95E+04	
1.003	956.1	.457	2.95E+04	
1.079	969.2	.472	2.96E+04	
1.156	967.0	.486	2.93E+04	
1.206	968.5	.496	2.95E+04	
1.257	934.2	.505	2.79E+04	
1.308	956.4	.515	2.97E+04	
1.384	978.1	.529	2.93E+04	
1.460	1009.1	.544	2.90E+04	
1.511	1010.7	.553	2.74E+04	
1.562	996.8	.562	2.91E+04	
1.613	1014.0	.572	2.89E+04	
1.689	1027.9	.586	2.84E+04	
1.765	1050.1	.600	2.82E+04	
1.816	1048.9	.609	2.63E+04	
1.867	1018.2	.618	2.76E+04	
1.918	1048.2	.627	2.80E+04	
1.994	1012.5	.642	3.57E+04	
2.070	1017.5	.658	2.94E+04	

H-55

INEL POST-CHF EXPERIMENT NO. 50

POINT SERIAL NO. 1050.080 (TIME= 502.50 SEC)

LOOP PRESSURE(PE-3) 8.48 MPA
 FCV TEMPERATURE(TE-FCV-1T) 542.3 K
 LHP INLET ENTHALPY 1.180E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.22 K
 MASS FLUX 18.62 KG/SEC-M**2
 INLET QUALITY .259
 INLET ENTHALPY 1.180E+06 J/KG
 QUENCH FRONT:
 ELEVATION .622 M
 VELOCITY .0014 M/SEC
 QUALITY .388
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.232	.610	629.8	.526	.436

WALL TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	429.9	.262	2.94E+04	
.051	430.0	.269	2.94E+04	
.063	425.5	.271	2.94E+04	
.089	429.3	.276	2.94E+04	
.114	427.0	.281	2.94E+04	
.140	425.1	.286	2.93E+04	
.165	425.2	.291	2.92E+04	
.317	425.7	.320	2.93E+04	
.394	427.2	.334	2.93E+04	
.470	437.8	.349	2.99E+04	
.546	450.0	.364	3.21E+04	
.622	643.8	.388	6.41E+04	
.698	844.1	.413	3.75E+04	
.775	882.1	.431	3.43E+04	
.851	908.3	.447	3.30E+04	
.927	926.4	.463	3.22E+04	
1.003	947.2	.479	3.17E+04	
1.079	961.2	.495	3.16E+04	
1.156	959.5	.510	3.15E+04	
1.206	960.6	.521	3.14E+04	
1.257	925.5	.531	2.97E+04	
1.308	947.3	.541	3.17E+04	
1.384	970.4	.557	3.15E+04	
1.460	1002.1	.572	3.14E+04	
1.511	1004.6	.582	2.93E+04	
1.562	992.0	.592	3.12E+04	
1.613	1010.0	.602	3.09E+04	
1.689	1025.6	.617	3.05E+04	
1.765	1048.9	.632	3.03E+04	
1.816	1048.2	.642	2.83E+04	
1.867	1017.7	.652	3.04E+04	
1.918	1047.8	.662	3.03E+04	
1.994	985.5	.677	3.15E+04	
2.070	985.1	.693	3.26E+04	

INEL POST-CHF EXPERIMENT NO. 50

POINT SERIAL NO. 2050.080 (TIME= 502.50 SEC)

LOOP PRESSURE(PE-3) 8.48 MPA
 FCV TEMPERATURE(TE-FCV-1T) 542.3 K
 LHP INLET ENTHALPY 1.180E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.22 K
 MASS FLUX 18.62 KG/SEC-M**2
 INLET QUALITY .259
 INLET ENTHALPY 1.180E+06 J/KG
 QUENCH FRONT:
 ELEVATION .622 M
 VELOCITY .0014 M/SEC
 QUALITY .388
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.537	.915	740.9	.587	.446

WALL TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	429.9	.262	2.94E+04	
.051	430.0	.269	2.94E+04	
.063	425.5	.271	2.94E+04	
.089	429.3	.276	2.94E+04	
.114	427.0	.281	2.94E+04	
.140	425.1	.286	2.93E+04	
.165	425.2	.291	2.92E+04	
.317	425.7	.320	2.93E+04	
.394	427.2	.334	2.93E+04	
.470	437.8	.349	2.99E+04	
.546	450.0	.364	3.21E+04	
.622	643.8	.388	6.41E+04	
.698	844.1	.413	3.75E+04	
.775	882.1	.431	3.43E+04	
.851	908.3	.447	3.30E+04	
.927	926.4	.463	3.22E+04	
1.003	947.2	.479	3.17E+04	
1.079	961.2	.495	3.16E+04	
1.156	959.5	.510	3.15E+04	
1.206	960.6	.521	3.14E+04	
1.257	925.5	.531	2.97E+04	
1.308	947.3	.541	3.17E+04	
1.384	970.4	.557	3.15E+04	
1.460	1002.1	.572	3.14E+04	
1.511	1004.6	.582	2.93E+04	
1.562	992.0	.592	3.12E+04	
1.613	1010.0	.602	3.09E+04	
1.689	1025.6	.617	3.05E+04	
1.765	1048.9	.632	3.03E+04	
1.816	1048.2	.642	2.83E+04	
1.867	1017.7	.652	3.04E+04	
1.918	1047.8	.662	3.03E+04	
1.994	985.5	.677	3.15E+04	
2.070	985.1	.693	3.26E+04	

INEL POST-CHF EXPERIMENT NO. 50

POINT SERIAL NO. 3050.080 (TIME= 503.50 SEC)

LOOP PRESSURE(PE-3) 8.49 MPA
 FCV TEMPERATURE(TE-FCV-1T) 542.3 K
 LHP INLET ENTHALPY 1.180E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.20 K
 MASS FLUX 18.62 KG/SEC-M**2
 INLET QUALITY .259
 INLET ENTHALPY 1.180E+06 J/KG
 QUENCH FRONT:
 ELEVATION .623 M
 VELOCITY .0014 M/SEC
 QUALITY .388
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.218	820.0	.648	.463

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	429.9	.262	2.94E+04	
.051	430.0	.269	2.93E+04	
.063	425.5	.271	2.94E+04	
.089	429.3	.276	2.94E+04	
.114	427.0	.281	2.94E+04	
.140	425.1	.286	2.93E+04	
.165	425.2	.291	2.93E+04	
.317	425.7	.320	2.93E+04	
.394	427.2	.334	2.93E+04	
.470	437.7	.349	2.99E+04	
.546	449.6	.364	3.20E+04	
.622	609.3	.388	6.38E+04	
.698	843.3	.413	3.77E+04	
.775	881.7	.431	3.46E+04	
.851	908.0	.447	3.31E+04	
.927	926.2	.464	3.22E+04	
1.003	947.1	.479	3.19E+04	
1.079	961.0	.495	3.17E+04	
1.156	959.4	.511	3.15E+04	
1.206	960.5	.521	3.15E+04	
1.257	925.4	.531	2.99E+04	
1.308	947.1	.541	3.18E+04	
1.384	970.2	.557	3.16E+04	
1.460	1002.0	.573	3.15E+04	
1.511	1004.5	.583	2.94E+04	
1.562	991.9	.593	3.13E+04	
1.613	1009.9	.603	3.10E+04	
1.689	1025.5	.618	3.06E+04	
1.765	1048.9	.633	3.04E+04	
1.816	1048.1	.643	2.83E+04	
1.867	1017.7	.653	3.04E+04	
1.918	1047.8	.663	3.05E+04	
1.994	985.3	.678	3.25E+04	
2.070	984.9	.694	3.22E+04	

INEL POST-CHF EXPERIMENT NO. 50

POINT SERIAL NO. 1050.090 (TIME= 554.50 SEC)

LOOP PRESSURE(PE-3) 8.60 MPA
 FCV TEMPERATURE(TE-FCV-1T) 543.1 K
 LHP INLET ENTHALPY 1.184E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.17 K
 MASS FLUX 18.47 KG/SEC-M**2
 INLET QUALITY .261
 INLET ENTHALPY 1.184E+06 J/KG
 QUENCH FRONT:
 ELEVATION .693 M
 VELOCITY .0013 M/SEC
 QUALITY .407
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.539	598.9	.532	.452

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	429.5	.264	3.06E+04	
.051	429.7	.271	3.06E+04	
.063	425.4	.274	3.06E+04	
.089	428.9	.279	3.05E+04	
.114	426.4	.284	3.04E+04	
.140	424.8	.289	3.05E+04	
.165	425.0	.294	3.05E+04	
.317	425.1	.324	3.07E+04	
.394	426.4	.340	3.07E+04	
.470	433.8	.355	3.10E+04	
.546	438.3	.370	3.18E+04	
.622	434.8	.386	3.23E+04	
.698	740.8	.409	5.85E+04	
.775	853.2	.433	3.68E+04	
.851	891.3	.450	3.46E+04	
.927	914.7	.467	3.33E+04	
1.003	938.3	.483	3.25E+04	
1.079	953.5	.500	3.24E+04	
1.156	953.1	.516	3.24E+04	
1.206	954.0	.526	3.23E+04	
1.257	918.7	.537	2.99E+04	
1.308	939.9	.547	3.23E+04	
1.384	963.9	.563	3.23E+04	
1.460	996.3	.579	3.23E+04	
1.511	999.3	.589	3.00E+04	
1.562	987.7	.599	3.14E+04	
1.613	1006.5	.610	3.12E+04	
1.689	1023.9	.625	3.11E+04	
1.765	1048.2	.640	3.09E+04	
1.816	1047.8	.650	2.88E+04	
1.867	1016.9	.660	3.13E+04	
1.918	1048.1	.670	3.05E+04	
1.994	973.8	.682	1.49E+04	
2.070	969.6	.690	2.08E+04	

INEL POST-CHF EXPERIMENT NO. 50

POINT SERIAL NO. 2050.090 (TIME= 554.50 SEC)

LOOP PRESSURE(PE-3) 8.60 MPA
 FCV TEMPERATURE(TE-FCV-1T) 543.1 K
 LHP INLET ENTHALPY 1.184E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.17 K
 MASS FLUX 18.47 KG/SEC-M**2
 INLET QUALITY .261
 INLET ENTHALPY 1.184E+06 J/KG
 QUENCH FRONT:
 ELEVATION .693 M
 VELOCITY .0013 M/SEC
 QUALITY .407
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.843	722.0	.594	.458

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	429.5	.264	3.06E+04	
.051	429.7	.271	3.06E+04	
.063	425.4	.274	3.06E+04	
.089	428.9	.279	3.05E+04	
.114	426.4	.284	3.04E+04	
.140	424.8	.289	3.05E+04	
.165	425.0	.294	3.05E+04	
.317	425.1	.324	3.07E+04	
.394	426.4	.340	3.07E+04	
.470	433.8	.355	3.10E+04	
.546	438.3	.370	3.18E+04	
.622	434.8	.386	3.23E+04	
.698	740.8	.409	5.85E+04	
.775	853.2	.433	3.68E+04	
.851	891.3	.450	3.46E+04	
.927	914.7	.467	3.33E+04	
1.003	938.3	.483	3.25E+04	
1.079	953.5	.500	3.24E+04	
1.156	953.1	.516	3.24E+04	
1.206	954.0	.526	3.23E+04	
1.257	918.7	.537	2.99E+04	
1.308	939.9	.547	3.23E+04	
1.384	963.9	.563	3.23E+04	
1.460	996.3	.579	3.23E+04	
1.511	999.3	.589	3.00E+04	
1.562	987.7	.599	3.14E+04	
1.613	1006.5	.610	3.12E+04	
1.689	1023.9	.625	3.11E+04	
1.765	1048.2	.640	3.09E+04	
1.816	1047.8	.650	2.88E+04	
1.867	1016.9	.660	3.13E+04	
1.918	1048.1	.670	3.05E+04	
1.994	973.8	.682	1.49E+04	
2.070	969.6	.690	2.08E+04	

INEL POST-CHF EXPERIMENT NO. 50

POINT SERIAL NO. 3050.090 (TIME= 557.50 SEC)

LOOP PRESSURE(PE-3) 8.47 MPA
 FCV TEMPERATURE(TE-FCV-1T) 543.1 K
 LHP INLET ENTHALPY 1.184E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.16 K
 MASS FLUX 18.46 KG/SEC-M**2
 INLET QUALITY .261
 INLET ENTHALPY 1.184E+06 J/KG
 QUENCH FRONT:
 ELEVATION .697 M
 VELOCITY .0013 M/SEC
 QUALITY .408
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.144	810.1	.656	.473

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	429.4	.264	3.04E+04	
.051	429.7	.271	3.05E+04	
.063	425.4	.274	3.04E+04	
.089	428.9	.279	3.04E+04	
.114	426.4	.284	3.05E+04	
.140	424.8	.289	3.04E+04	
.165	424.9	.294	3.04E+04	
.317	425.0	.324	3.05E+04	
.394	426.3	.339	3.06E+04	
.470	433.7	.355	3.08E+04	
.546	437.9	.370	3.10E+04	
.622	434.2	.386	3.21E+04	
.698	667.2	.408	5.78E+04	
.775	851.4	.432	3.73E+04	
.851	890.3	.450	3.47E+04	
.927	914.2	.467	3.33E+04	
1.003	938.0	.483	3.29E+04	
1.079	953.2	.499	3.25E+04	
1.156	952.8	.515	3.23E+04	
1.206	953.8	.526	3.23E+04	
1.257	918.6	.536	3.04E+04	
1.308	939.6	.547	3.25E+04	
1.384	963.7	.563	3.25E+04	
1.460	996.1	.579	3.21E+04	
1.511	999.2	.589	3.02E+04	
1.562	987.7	.600	3.14E+04	
1.613	1006.5	.610	3.14E+04	
1.689	1024.0	.626	3.13E+04	
1.765	1048.3	.641	3.11E+04	
1.816	1047.9	.651	2.91E+04	
1.867	1017.1	.661	3.07E+04	
1.918	1048.4	.671	3.06E+04	
1.994	980.5	.684	2.32E+04	
2.070	973.3	.697	2.56E+04	

INEL POST-CHF EXPERIMENT NO. 50

POINT SERIAL NO. 1050.100 (TIME= 619.50 SEC)

LOOP PRESSURE(PE-3) 8.48 MPA
 FCV TEMPERATURE(TE-FCV-1T) 543.2 K
 LHP INLET ENTHALPY 1.185E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.14 K
 MASS FLUX 18.46 KG/SEC-M**2
 INLET QUALITY .262
 INLET ENTHALPY 1.185E+06 J/KG
 QUENCH FRONT:
 ELEVATION .774 M
 VELOCITY .0012 M/SEC
 QUALITY .435
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.457	579.1	.549	.494

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION			HEAT LOSS W/M**2
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2		
.013	428.7	.264	3.28E+04		
.051	429.2	.272	3.29E+04		
.063	425.3	.275	3.28E+04		
.089	428.9	.281	3.29E+04		
.114	426.4	.286	3.28E+04		
.140	424.9	.291	3.27E+04		
.165	425.2	.297	3.29E+04		
.317	425.0	.329	3.29E+04		
.394	425.7	.346	3.28E+04		
.470	431.6	.362	3.30E+04		
.546	433.5	.378	3.33E+04		
.622	428.8	.395	3.35E+04		
.698	450.0	.412	3.58E+04		
.775	681.2	.435	5.82E+04		
.851	858.8	.460	4.01E+04		
.927	896.0	.479	3.72E+04		
1.003	925.5	.497	3.59E+04		
1.079	943.7	.515	3.52E+04		
1.156	945.2	.532	3.48E+04		
1.206	946.0	.544	3.48E+04		
1.257	910.2	.555	3.22E+04		
1.308	930.5	.566	3.47E+04		
1.384	955.4	.583	3.46E+04		
1.460	988.7	.600	3.44E+04		
1.511	992.4	.611	3.21E+04		
1.562	982.3	.622	3.37E+04		
1.613	1002.0	.633	3.36E+04		
1.689	1021.4	.650	3.35E+04		
1.765	1047.2	.666	3.33E+04		
1.816	1047.1	.677	3.11E+04		
1.867	1016.7	.688	3.36E+04		
1.918	1048.6	.699	3.29E+04		
1.994	943.0	.709	8.56E+03		
2.070	952.1	.716	1.77E+04		

INEL POST-CHF EXPERIMENT NO. 50

POINT SERIAL NO. 2050.100 (TIME= 619.50 SEC)

LOOP PRESSURE(PE-3) 8.48 MPA
 FCV TEMPERATURE(TE-FCV-1T) 543.2 K
 LHP INLET ENTHALPY 1.185E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.14 K
 MASS FLUX 18.45 KG/SEC-M**2
 INLET QUALITY .262
 INLET ENTHALPY 1.185E+06 J/KG
 QUENCH FRONT:
 ELEVATION .774 M
 VELOCITY .0012 M/SEC
 QUALITY .435
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.762	704.5	.616	.484

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION			HEAT LOSS W/M**2
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2		
.013	428.7	.264	3.28E+04		
.051	429.2	.272	3.29E+04		
.063	425.3	.275	3.28E+04		
.089	428.9	.281	3.29E+04		
.114	426.4	.286	3.28E+04		
.140	424.9	.291	3.27E+04		
.165	425.2	.297	3.29E+04		
.317	425.0	.329	3.29E+04		
.394	425.7	.346	3.28E+04		
.470	431.6	.362	3.30E+04		
.546	433.5	.378	3.33E+04		
.622	428.8	.395	3.35E+04		
.698	450.0	.412	3.58E+04		
.775	681.2	.435	5.82E+04		
.851	858.8	.460	4.01E+04		
.927	896.0	.479	3.72E+04		
1.003	925.5	.497	3.59E+04		
1.079	943.7	.515	3.52E+04		
1.156	945.2	.532	3.48E+04		
1.206	946.0	.544	3.48E+04		
1.257	910.2	.555	3.22E+04		
1.308	930.5	.566	3.47E+04		
1.384	955.4	.583	3.46E+04		
1.460	988.7	.600	3.44E+04		
1.511	992.4	.611	3.21E+04		
1.562	982.3	.622	3.37E+04		
1.613	1002.0	.633	3.36E+04		
1.689	1021.4	.650	3.35E+04		
1.765	1047.2	.666	3.33E+04		
1.816	1047.1	.677	3.11E+04		
1.867	1016.7	.688	3.36E+04		
1.918	1048.6	.699	3.29E+04		
1.994	943.0	.709	8.56E+03		
2.070	952.1	.716	1.77E+04		

INEL POST-CHF EXPERIMENT NO. 50

POINT SERIAL NO. 3050.100 (TIME= 620.50 SEC)

LOOP PRESSURE{PE-3} 8.46 MPA
 FCV TEMPERATURE{TE-FCV-1T} 543.2 K
 LHP INLET ENTHALPY 1.185E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.12 K
 MASS FLUX 18.46 KG/SEC-M**2
 INLET QUALITY .262
 INLET ENTHALPY 1.185E+06 J/KG
 QUENCH FRONT:
 ELEVATION .776 M
 VELOCITY .0012 M/SEC
 QUALITY .435
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.841	1.066	792.0	.681	.497

WALL TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	428.7	.264	3.26E+04	
.051	429.2	.272	3.27E+04	
.063	425.3	.275	3.26E+04	
.089	428.9	.281	3.27E+04	
.114	426.4	.286	3.26E+04	
.140	424.9	.291	3.25E+04	
.165	425.2	.297	3.27E+04	
.317	425.0	.329	3.27E+04	
.394	425.7	.345	3.27E+04	
.470	431.6	.362	3.30E+04	
.546	433.5	.378	3.31E+04	
.622	428.7	.394	3.32E+04	
.698	449.7	.411	3.54E+04	
.775	654.9	.435	5.78E+04	
.851	858.1	.459	4.00E+04	
.927	895.6	.478	3.71E+04	
1.003	925.3	.496	3.58E+04	
1.079	943.5	.514	3.51E+04	
1.156	945.1	.531	3.47E+04	
1.206	945.9	.543	3.46E+04	
1.257	910.2	.554	3.23E+04	
1.308	930.4	.565	3.46E+04	
1.384	955.3	.582	3.45E+04	
1.460	988.6	.599	3.44E+04	
1.511	992.3	.610	3.20E+04	
1.562	982.3	.621	3.38E+04	
1.613	1002.0	.632	3.36E+04	
1.689	1021.5	.649	3.34E+04	
1.765	1047.3	.665	3.33E+04	
1.816	1047.1	.676	3.12E+04	
1.867	1016.8	.686	3.33E+04	
1.918	1048.7	.697	3.30E+04	
1.994	946.0	.710	1.94E+04	
2.070	954.0	.721	2.45E+04	

INEL POST-CHF EXPERIMENT NO. 50

POINT SERIAL NO. 2050.110 (TIME= 686.50 SEC)

LOOP PRESSURE{PE-3} 8.46 MPA
 FCV TEMPERATURE{TE-FCV-1T} 542.7 K
 LHP INLET ENTHALPY 1.182E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.40 K
 MASS FLUX 18.52 KG/SEC-M**2
 INLET QUALITY .260
 INLET ENTHALPY 1.182E+06 J/KG
 QUENCH FRONT:
 ELEVATION .856 M
 VELOCITY .0012 M/SEC
 QUALITY .455
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.537	.681	677.9	.620	.497

WALL TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	428.6	.263	3.37E+04	
.051	429.1	.271	3.37E+04	
.063	425.5	.274	3.37E+04	
.089	428.9	.280	3.38E+04	
.114	426.3	.285	3.38E+04	
.140	425.0	.291	3.36E+04	
.165	425.1	.296	3.37E+04	
.317	425.0	.330	3.36E+04	
.394	425.8	.346	3.38E+04	
.470	430.3	.363	3.38E+04	
.546	431.2	.380	3.38E+04	
.622	426.7	.397	3.36E+04	
.698	438.4	.414	3.41E+04	
.775	440.3	.431	3.54E+04	
.851	589.6	.453	5.60E+04	
.927	861.4	.477	4.03E+04	
1.003	905.8	.497	3.77E+04	
1.079	931.4	.515	3.64E+04	
1.156	937.4	.533	3.58E+04	
1.206	937.4	.545	3.57E+04	
1.257	903.1	.556	3.34E+04	
1.308	922.5	.568	3.58E+04	
1.384	948.0	.586	3.58E+04	
1.460	982.3	.603	3.56E+04	
1.511	986.7	.615	3.33E+04	
1.562	977.9	.626	3.50E+04	
1.613	998.2	.638	3.49E+04	
1.689	1019.2	.655	3.48E+04	
1.765	1046.3	.672	3.43E+04	
1.816	1046.8	.683	3.21E+04	
1.867	1017.5	.694	3.39E+04	
1.918	1050.2	.705	3.38E+04	
1.994	935.1	.720	2.79E+04	
2.070	947.7	.735	2.92E+04	

INEL POST-CHF EXPERIMENT NO. 50

POINT SERIAL NO. 3050.110 (TIME= 686.50 SEC)

LOOP PRESSURE(PE-3) 8.46 MPA
 FCV TEMPERATURE(TE-FCV-1T) 542.7 K
 LHP INLET ENTHALPY 1.182E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.40 K
 MASS FLUX 18.52 KG/SEC-M**2
 INLET QUALITY .260
 INLET ENTHALPY 1.182E+06 J/KG
 QUENCH FRONT:
 ELEVATION .856 M
 VELOCITY .0012 M/SEC
 QUALITY .455
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.841	.986	790.5	.688	.508

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	428.6	.263	3.37E+04	
.051	429.1	.271	3.37E+04	
.063	425.5	.274	3.37E+04	
.089	428.9	.280	3.38E+04	
.114	426.3	.285	3.38E+04	
.140	425.0	.291	3.36E+04	
.165	425.1	.296	3.37E+04	
.317	425.0	.330	3.36E+04	
.394	425.8	.346	3.38E+04	
.470	430.3	.363	3.38E+04	
.546	431.2	.380	3.38E+04	
.622	426.7	.397	3.36E+04	
.698	438.4	.414	3.41E+04	
.775	440.3	.431	3.54E+04	
.851	589.6	.453	5.60E+04	
.927	861.4	.477	4.03E+04	
1.003	905.8	.497	3.77E+04	
1.079	931.4	.515	3.64E+04	
1.156	937.4	.533	3.58E+04	
1.206	937.4	.545	3.57E+04	
1.257	903.1	.556	3.34E+04	
1.308	922.5	.568	3.58E+04	
1.384	948.0	.586	3.58E+04	
1.460	982.3	.603	3.56E+04	
1.511	986.7	.615	3.33E+04	
1.562	977.9	.626	3.50E+04	
1.613	998.2	.638	3.49E+04	
1.689	1019.2	.655	3.48E+04	
1.765	1046.3	.672	3.43E+04	
1.816	1046.8	.683	3.21E+04	
1.867	1017.5	.694	3.39E+04	
1.918	1050.2	.705	3.38E+04	
1.994	935.1	.720	2.79E+04	
2.070	947.7	.735	2.92E+04	

INEL POST-CHF EXPERIMENT NO. 50

POINT SERIAL NO. 2050.120 (TIME= 744.50 SEC)

LOOP PRESSURE(PE-3) 8.47 MPA
 FCV TEMPERATURE(TE-FCV-1T) 543.7 K
 LHP INLET ENTHALPY 1.187E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.50 K
 MASS FLUX 18.47 KG/SEC-M**2
 INLET QUALITY .262
 INLET ENTHALPY 1.187E+06 J/KG
 QUENCH FRONT:
 ELEVATION .924 M
 VELOCITY .0011 M/SEC
 QUALITY .488
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.537	.613	652.7	.651	.532

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	428.4	.265	3.65E+04	
.051	429.2	.274	3.63E+04	
.063	425.7	.277	3.61E+04	
.089	429.0	.283	3.62E+04	
.114	426.3	.289	3.63E+04	
.140	425.3	.295	3.62E+04	
.165	425.3	.301	3.61E+04	
.317	425.2	.337	3.62E+04	
.394	425.8	.355	3.62E+04	
.470	429.6	.373	3.65E+04	
.546	430.2	.391	3.65E+04	
.622	426.7	.409	3.64E+04	
.698	435.2	.427	3.70E+04	
.775	433.8	.446	3.71E+04	
.851	448.9	.464	3.82E+04	
.927	722.8	.489	5.88E+04	
1.003	873.9	.514	4.47E+04	
1.079	913.1	.536	4.14E+04	
1.156	927.2	.556	3.97E+04	
1.206	927.4	.569	3.95E+04	
1.257	894.1	.582	3.69E+04	
1.308	914.1	.594	3.91E+04	
1.384	940.8	.613	3.89E+04	
1.460	975.6	.633	3.87E+04	
1.511	980.6	.645	3.62E+04	
1.562	973.0	.657	3.84E+04	
1.613	993.8	.670	3.84E+04	
1.689	1016.4	.689	3.81E+04	
1.765	1044.7	.708	3.79E+04	
1.816	1045.8	.720	3.53E+04	
1.867	1017.5	.732	3.78E+04	
1.918	1050.1	.745	3.74E+04	
1.994	909.8	.766	4.99E+04	
2.070	931.4	.790	4.42E+04	

INEL POST-CHF EXPERIMENT NO. 50

POINT SERIAL NO. 3050.120 (TIME= 744.50 SEC)

LOOP PRESSURE{PE-3} 8.47 MPA
 FCV TEMPERATURE{TE-FCV-11} 543.7 K
 LHP INLET ENTHALPY 1.187E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.50 K
 MASS FLUX 18.47 KG/SEC-M**2
 INLET QUALITY .262
 INLET ENTHALPY 1.187E+06 J/KG
 QUENCH FRONT:
 ELEVATION .924 M
 VELOCITY .0011 M/SEC
 QUALITY .488
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.841	.917	767.7	.726	.543

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	428.4	.265	3.65E+04	
.051	429.2	.274	3.63E+04	
.063	425.7	.277	3.61E+04	
.089	429.0	.283	3.62E+04	
.114	426.3	.289	3.63E+04	
.140	425.3	.295	3.62E+04	
.165	425.3	.301	3.61E+04	
.317	425.2	.337	3.62E+04	
.394	425.8	.355	3.62E+04	
.470	429.6	.373	3.65E+04	
.546	430.2	.391	3.65E+04	
.622	426.7	.409	3.64E+04	
.698	435.2	.427	3.70E+04	
.775	433.8	.446	3.71E+04	
.851	448.9	.464	3.82E+04	
.927	722.8	.489	5.88E+04	
1.003	873.9	.514	4.47E+04	
1.079	913.1	.536	4.14E+04	
1.156	927.2	.556	3.97E+04	
1.206	927.4	.569	3.95E+04	
1.257	894.1	.582	3.69E+04	
1.308	914.1	.594	3.91E+04	
1.384	940.8	.613	3.89E+04	
1.460	975.6	.633	3.87E+04	
1.511	980.6	.645	3.62E+04	
1.562	973.0	.657	3.84E+04	
1.613	993.8	.670	3.84E+04	
1.689	1016.4	.689	3.81E+04	
1.765	1044.7	.708	3.79E+04	
1.816	1045.8	.720	3.53E+04	
1.867	1017.5	.732	3.78E+04	
1.918	1050.1	.745	3.74E+04	
1.994	909.8	.766	4.99E+04	
2.070	931.4	.790	4.42E+04	

INEL POST-CHF EXPERIMENT NO. 50

POINT SERIAL NO. 2050.130 (TIME= 814.50 SEC)

LOOP PRESSURE{PE-3} 8.52 MPA
 FCV TEMPERATURE{TE-FCV-11} 543.2 K
 LHP INLET ENTHALPY 1.185E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.44 K
 MASS FLUX 18.53 KG/SEC-M**2
 INLET QUALITY .261
 INLET ENTHALPY 1.185E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.003 M
 VELOCITY .0011 M/SEC
 QUALITY .520
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.537	.533	620.2	.668	.559

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	428.3	.264	3.85E+04	
.051	429.3	.274	3.85E+04	
.063	426.2	.277	3.85E+04	
.089	429.3	.283	3.85E+04	
.114	426.4	.290	3.84E+04	
.140	425.9	.296	3.84E+04	
.165	425.8	.302	3.84E+04	
.317	425.4	.341	3.85E+04	
.394	426.1	.360	3.85E+04	
.470	429.2	.379	3.85E+04	
.546	429.6	.398	3.86E+04	
.622	426.5	.417	3.87E+04	
.698	433.1	.436	3.88E+04	
.775	430.8	.456	3.89E+04	
.851	437.5	.475	3.96E+04	
.927	454.8	.495	4.09E+04	
1.003	599.4	.520	5.87E+04	
1.079	878.4	.546	4.59E+04	
1.156	909.9	.568	4.27E+04	
1.206	912.9	.582	4.21E+04	
1.257	882.2	.595	3.90E+04	
1.308	904.4	.609	4.11E+04	
1.384	933.9	.629	4.06E+04	
1.460	969.6	.649	4.04E+04	
1.511	975.2	.662	3.78E+04	
1.562	968.7	.675	4.04E+04	
1.613	989.9	.688	4.03E+04	
1.689	1013.9	.708	3.99E+04	
1.765	1043.3	.728	3.98E+04	
1.816	1045.0	.741	3.72E+04	
1.867	1016.9	.754	3.96E+04	
1.918	1050.4	.767	3.95E+04	
1.994	897.3	.788	4.52E+04	
2.070	923.4	.810	4.29E+04	

H-62

INEL POST-CHF EXPERIMENT NO. 50

POINT SERIAL NO. 3050.130 (TIME= 814.50 SEC)

LOOP PRESSURE{PE-3} 8.52 MPA
 FCV TEMPERATURE{TE-FCV-1T} 543.2 K
 LHP INLET ENTHALPY 1.185E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.44 K
 MASS FLUX 18.53 KG/SEC-M**2
 INLET QUALITY .261
 INLET ENTHALPY 1.185E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.003 M
 VELOCITY .0011 M/SEC
 QUALITY .520
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	.838	742.6	.747	.568

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	428.3	.264	3.85E+04	
.051	429.3	.274	3.85E+04	
.063	426.2	.277	3.85E+04	
.089	429.3	.283	3.85E+04	
.114	426.4	.290	3.84E+04	
.140	425.9	.296	3.84E+04	
.165	425.8	.302	3.84E+04	
.317	425.4	.341	3.85E+04	
.394	426.1	.360	3.85E+04	
.470	429.2	.379	3.85E+04	
.546	429.6	.398	3.86E+04	
.622	426.5	.417	3.87E+04	
.698	433.1	.436	3.88E+04	
.775	430.8	.456	3.89E+04	
.851	437.5	.475	3.96E+04	
.927	454.8	.495	4.09E+04	
1.003	599.4	.520	5.87E+04	
1.079	878.4	.546	4.59E+04	
1.156	909.9	.568	4.27E+04	
1.206	912.9	.582	4.21E+04	
1.257	882.2	.595	3.90E+04	
1.308	904.4	.609	4.11E+04	
1.384	933.9	.629	4.06E+04	
1.460	969.6	.649	4.04E+04	
1.511	975.2	.662	3.78E+04	
1.562	968.7	.675	4.04E+04	
1.613	989.9	.688	4.03E+04	
1.689	1013.9	.708	3.99E+04	
1.765	1043.3	.728	3.98E+04	
1.816	1045.0	.741	3.72E+04	
1.867	1016.9	.754	3.96E+04	
1.918	1050.4	.767	3.95E+04	
1.994	897.3	.788	4.52E+04	
2.070	923.4	.810	4.29E+04	

INEL POST-CHF EXPERIMENT NO. 50

POINT SERIAL NO. 2050.140 (TIME= 886.50 SEC)

LOOP PRESSURE{PE-3} 8.48 MPA
 FCV TEMPERATURE{TE-FCV-1T} 542.8 K
 LHP INLET ENTHALPY 1.183E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.44 K
 MASS FLUX 18.48 KG/SEC-M**2
 INLET QUALITY .260
 INLET ENTHALPY 1.183E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.083 M
 VELOCITY .0011 M/SEC
 QUALITY .563
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.454	590.2	.700	.600

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	428.0	.263	4.17E+04	
.051	429.1	.274	4.17E+04	
.063	426.3	.277	4.17E+04	
.089	429.4	.284	4.18E+04	
.114	426.6	.291	4.17E+04	
.140	426.1	.298	4.17E+04	
.165	426.0	.305	4.17E+04	
.317	425.6	.347	4.17E+04	
.394	426.2	.367	4.17E+04	
.470	428.7	.388	4.17E+04	
.546	429.2	.409	4.19E+04	
.622	426.3	.430	4.19E+04	
.698	431.7	.451	4.20E+04	
.775	429.8	.471	4.20E+04	
.851	434.3	.492	4.21E+04	
.927	443.0	.514	4.26E+04	
1.003	434.7	.535	4.27E+04	
1.079	596.6	.562	5.52E+04	
1.156	879.2	.590	4.86E+04	
1.206	890.9	.606	4.69E+04	
1.257	865.9	.621	4.31E+04	
1.308	893.4	.635	4.48E+04	
1.384	926.5	.657	4.41E+04	
1.460	963.5	.679	4.38E+04	
1.511	969.5	.693	4.11E+04	
1.562	964.2	.707	4.38E+04	
1.613	985.5	.722	4.36E+04	
1.689	1011.0	.744	4.34E+04	
1.765	1041.8	.765	4.31E+04	
1.816	1044.2	.779	4.02E+04	
1.867	1016.7	.793	4.32E+04	
1.918	1050.7	.807	4.31E+04	
1.994	863.1	.829	4.50E+04	
2.070	910.2	.851	4.27E+04	

POINT SERIAL NO. 3050.160 [TIME= 887.50 SEC]

LOOP PRESSURE (PE-3) 8.48 MPa
 FCV TEMPERATURE (TE-FCV-11) 542.8 K
 LHP INLET ENTHALPY 1.183E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPa
 SAT TEMP 423.46 K
 MASS FLUX 18.49 KG/SEC-M**2
 INLET QUALITY .260
 INLET ENTHALPY 1.183E+06 J/KG

QUENCH FRONT:
 ELEVATION 1.084 M
 VELOCITY .0011 M/SEC
 QUALITY .563
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION (M) DZQF (M) TV (K) XE XA
 1.841 .758 720.6 .785 .507

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION (M) TEMP (K) HEAT FLUX W/M**2 HEAT LOSS W/M**2

.013	428.0	-263	4.17E+04	
.051	429.1	-274	4.16E+04	
.063	426.4	-277	4.17E+04	
.089	429.4	-284	4.18E+04	
.114	426.6	-291	4.17E+04	
.140	426.1	-298	4.18E+04	
.165	426.0	-305	4.17E+04	
.317	425.6	-347	4.17E+04	
.394	426.2	-367	4.16E+04	
.470	428.7	-388	4.17E+04	
.546	429.2	-409	4.18E+04	
.622	426.3	-430	4.18E+04	
.698	431.7	-450	4.20E+04	
.775	429.8	-471	4.20E+04	
.851	434.3	-492	4.20E+04	
.927	443.0	-513	4.22E+04	
1.003	434.7	-534	4.25E+04	
1.079	578.3	-561	6.50E+04	
1.156	878.6	-589	4.87E+04	
1.206	890.5	-605	4.68E+04	
1.257	865.6	-620	4.31E+04	
1.308	893.2	-635	4.48E+04	
1.384	926.4	-657	4.41E+04	
1.460	963.4	-679	4.38E+04	
1.511	969.5	-693	4.11E+04	
1.562	968.1	-707	4.36E+04	
1.613	985.5	-721	4.36E+04	
1.689	1011.0	-743	4.34E+04	
1.765	1041.8	-764	4.32E+04	
1.816	1044.2	-778	4.03E+04	
1.867	1016.7	-792	4.32E+04	
1.918	1050.7	-806	4.30E+04	
1.994	863.1	-829	4.69E+04	
2.070	910.3	-851	4.38E+04	

POINT SERIAL NO. 2050.150 [TIME= 954.50 SEC]

LOOP PRESSURE (PE-3) 8.47 MPa
 FCV TEMPERATURE (TE-FCV-11) 543.3 K
 LHP INLET ENTHALPY 1.185E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPa
 SAT TEMP 423.43 K
 MASS FLUX 18.49 KG/SEC-M**2
 INLET QUALITY .261
 INLET ENTHALPY 1.185E+06 J/KG

QUENCH FRONT:
 ELEVATION 1.155 M
 VELOCITY .0010 M/SEC
 QUALITY .603
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION (M) DZQF (M) TV (K) XE XA
 1.537 .382 558.1 .727 .640

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION (M) TEMP (K) HEAT FLUX W/M**2 HEAT LOSS W/M**2

.013	428.0	-265	4.46E+04	
.051	429.1	-276	4.46E+04	
.063	426.4	-280	4.44E+04	
.089	429.5	-287	4.45E+04	
.114	426.8	-295	4.45E+04	
.140	426.4	-302	4.44E+04	
.165	426.2	-309	4.43E+04	
.317	425.8	-353	4.43E+04	
.394	426.5	-375	4.45E+04	
.470	426.7	-391	4.44E+04	
.546	429.2	-419	4.45E+04	
.622	426.4	-442	4.46E+04	
.698	431.2	-464	4.46E+04	
.775	429.0	-486	4.41E+04	
.851	432.4	-508	4.45E+04	
.927	439.3	-530	4.48E+02	
1.003	431.0	-552	4.46E+04	
1.079	437.5	-575	4.65E+04	
1.156	744.6	-603	6.86E+04	
1.206	852.5	-624	5.46E+04	
1.257	840.1	-641	4.80E+04	
1.308	880.7	-657	4.87E+04	
1.384	919.4	-681	4.77E+04	
1.460	958.1	-704	4.75E+04	
1.511	964.6	-720	4.42E+04	
1.562	960.8	-735	4.72E+04	
1.613	981.9	-750	4.70E+04	
1.689	1008.7	-774	4.67E+04	
1.765	1040.4	-797	4.66E+04	
1.816	1043.3	-812	4.36E+04	
1.867	1016.4	-826	4.59E+04	
1.918	1050.5	-842	4.64E+04	
1.994	835.8	-865	4.73E+04	
2.070	904.2	-889	4.91E+04	

INEL POST-CHF EXPERIMENT NO. 50

POINT SERIAL NO. 3050.150 (TIME= 953.50 SEC)

LOOP PRESSURE{PE-3} 8.49 MPA
 FCV TEMPERATURE{TE-FCV-1T} 543.3 K
 LHP INLET ENTHALPY 1.185E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.43 K
 MASS FLUX 18.46 KG/SEC-M**2
 INLET QUALITY .261
 INLET ENTHALPY 1.185E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.154 M
 VELOCITY .0010 M/SEC
 QUALITY .602
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	.688	697.6	.817	.642

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	428.0	.265	4.46E+04	
.051	429.1	.276	4.46E+04	
.063	426.4	.280	4.44E+04	
.089	429.5	.287	4.46E+04	
.114	426.8	.295	4.45E+04	
.140	426.4	.302	4.44E+04	
.165	426.2	.309	4.44E+04	
.317	425.8	.353	4.43E+04	
.394	426.5	.375	4.44E+04	
.470	428.7	.397	4.45E+04	
.546	429.2	.419	4.44E+04	
.622	426.4	.441	4.44E+04	
.698	431.2	.463	4.46E+04	
.775	429.0	.485	4.43E+04	
.851	432.4	.508	4.45E+04	
.927	439.3	.530	4.48E+04	
1.003	430.9	.552	4.45E+04	
1.079	437.7	.574	4.60E+04	
1.156	755.4	.603	6.84E+04	
1.206	853.4	.623	5.39E+04	
1.257	840.6	.640	4.78E+04	
1.308	881.0	.656	4.83E+04	
1.384	919.5	.679	4.73E+04	
1.460	958.3	.703	4.71E+04	
1.511	964.7	.718	4.38E+04	
1.562	960.9	.733	4.69E+04	
1.613	982.0	.748	4.65E+04	
1.689	1008.7	.771	4.65E+04	
1.765	1040.4	.794	4.64E+04	
1.816	1043.4	.809	4.36E+04	
1.867	1016.4	.824	4.58E+04	
1.918	1050.6	.839	4.61E+04	
1.994	835.7	.862	4.55E+04	
2.070	904.2	.885	4.58E+04	

INEL POST-CHF EXPERIMENT NO. 50

POINT SERIAL NO. 2050.160 (TIME=1020.50 SEC)

LOOP PRESSURE{PE-3} 8.48 MPA
 FCV TEMPERATURE{TE-FCV-1T} 543.4 K
 LHP INLET ENTHALPY 1.186E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.44 K
 MASS FLUX 18.53 KG/SEC-M**2
 INLET QUALITY .261
 INLET ENTHALPY 1.186E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.222 M
 VELOCITY .0010 M/SEC
 QUALITY .656
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.315	527.2	.763	.690

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	427.9	.265	4.84E+04	
.051	429.4	.277	4.82E+04	
.063	426.8	.281	4.80E+04	
.089	430.0	.289	4.81E+04	
.114	427.1	.297	4.82E+04	
.140	426.9	.305	4.80E+04	
.165	426.6	.313	4.81E+04	
.317	426.1	.361	4.78E+04	
.394	426.8	.385	4.81E+04	
.470	428.7	.409	4.81E+04	
.546	429.1	.433	4.83E+04	
.622	426.5	.457	4.82E+04	
.698	430.6	.481	4.84E+04	
.775	428.7	.505	4.87E+04	
.851	431.6	.529	4.85E+04	
.927	436.3	.553	4.91E+04	
1.003	429.6	.577	4.82E+04	
1.079	432.3	.601	4.80E+04	
1.156	513.5	.628	5.87E+04	
1.206	580.4	.649	7.20E+04	
1.257	800.4	.670	5.41E+04	
1.308	865.9	.688	5.24E+04	
1.384	912.1	.714	5.14E+04	
1.460	953.4	.739	5.07E+04	
1.511	960.7	.755	4.76E+04	
1.562	958.3	.772	5.05E+04	
1.613	979.0	.788	5.03E+04	
1.689	1006.3	.813	5.02E+04	
1.765	1038.8	.838	4.99E+04	
1.816	1042.2	.854	4.67E+04	
1.867	1016.1	.870	5.06E+04	
1.918	1050.1	.887	4.98E+04	
1.994	808.4	.912	5.10E+04	
2.070	889.7	.937	5.16E+04	

INEL POST-CHF EXPERIMENT NO. 50

POINT SERIAL NO. 3050.160 (TIME=1019.50 SEC)

LOOP PRESSURE(PE-3) 8.48 MPA
 FCV TEMPERATURE(TE-FCV-11) 543.4 K
 LHP INLET ENTHALPY 1.186E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.43 K
 MASS FLUX 18.50 KG/SEC-M**2
 INLET QUALITY .261
 INLET ENTHALPY 1.186E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.221 M
 VELOCITY .0010 M/SEC
 QUALITY .654
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.841	.621	681.0	.862	.691

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	427.9	.265	4.82E+04	
.051	429.3	.277	4.81E+04	
.063	426.7	.281	4.79E+04	
.089	429.9	.289	4.79E+04	
.114	427.0	.297	4.80E+04	
.140	426.9	.305	4.78E+04	
.165	426.6	.313	4.79E+04	
.317	426.1	.360	4.77E+04	
.394	426.8	.384	4.80E+04	
.470	428.7	.408	4.80E+04	
.546	429.1	.432	4.82E+04	
.622	426.5	.456	4.81E+04	
.698	430.6	.480	4.83E+04	
.775	428.8	.504	4.87E+04	
.851	431.6	.528	4.83E+04	
.927	436.4	.552	4.87E+04	
1.003	429.6	.576	4.84E+04	
1.079	432.3	.600	4.80E+04	
1.156	514.8	.627	5.90E+04	
1.206	587.6	.648	7.20E+04	
1.257	801.2	.669	5.45E+04	
1.308	866.1	.687	5.28E+04	
1.384	912.3	.713	5.16E+04	
1.460	953.5	.739	5.12E+04	
1.511	960.8	.755	4.79E+04	
1.562	958.4	.771	5.11E+04	
1.613	979.1	.788	5.07E+04	
1.689	1006.3	.813	5.05E+04	
1.765	1038.8	.838	5.03E+04	
1.816	1042.3	.855	4.71E+04	
1.867	1016.2	.871	5.05E+04	
1.918	1050.1	.887	5.03E+04	
1.994	808.7	.916	6.32E+04	
2.070	890.1	.946	5.83E+04	

INEL POST-CHF EXPERIMENT NO. 66

POINT SERIAL NO. 1066.020 (TIME= 180.50 SEC)

LOOP PRESSURE(PE-3) 7.01 MPA
 FCV TEMPERATURE(TE-FCV-11) 506.5 K
 LHP INLET ENTHALPY 1.007E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.22 K
 MASS FLUX 45.06 KG/SEC-M**2
 INLET QUALITY .240
 INLET ENTHALPY 1.144E+06 J/KG
 QUENCH FRONT:
 ELEVATION .164 M
 VELOCITY .0043 M/SEC
 QUALITY .269
 NET LHP POWER TO FLUID 1191.2 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.232	1.068	684.5	.408	.324

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	496.3	.242	4.56E+04	
.051	487.1	.247	5.06E+04	
.063	463.6	.248	4.58E+04	
.089	497.1	.252	6.66E+04	
.114	530.7	.257	7.68E+04	
.140	585.5	.263	9.02E+04	
.165	654.4	.269	9.05E+04	
.317	858.8	.299	5.49E+04	
.394	906.3	.309	5.05E+04	
.470	933.8	.319	4.94E+04	
.546	954.6	.329	4.83E+04	
.622	968.5	.339	4.77E+04	
.698	983.2	.349	4.69E+04	
.775	996.5	.358	4.66E+04	
.851	1011.2	.368	4.61E+04	
.927	1020.3	.377	4.54E+04	
1.003	1016.2	.386	4.37E+04	
1.067	962.5	.393	3.83E+04	
1.156	975.6	.402	3.75E+04	
1.232	913.8	.410	3.78E+04	
1.257	901.7	.413	4.09E+04	
1.321	921.9	.420	4.11E+04	
1.384	990.5	.427	4.25E+04	
1.511	1003.3	.441	4.03E+04	
1.562	941.3	.446	4.17E+04	
1.613	967.5	.452	4.18E+04	
1.689	994.8	.461	4.07E+04	
1.765	1004.3	.469	3.92E+04	
1.816	989.8	.474	3.62E+04	
1.867	915.3	.479	3.86E+04	
1.918	938.2	.484	3.85E+04	

1.79E+03
 8.65E+02

INEL POST-CHF EXPERIMENT NO. 66

POINT SERIAL NO. 2066.020 (TIME= 180.50 SEC)

LOOP PRESSURE(PE-3) 7.01 MPA
 FCV TEMPERATURE(TE-FCV-1T) 506.5 K
 LHP INLET ENTHALPY 1.007E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.22 K
 MASS FLUX 45.06 KG/SEC-M**2
 INLET QUALITY .240
 INLET ENTHALPY 1.144E+06 J/KG
 QUENCH FRONT:
 ELEVATION .164 M
 VELOCITY .0043 M/SEC
 QUALITY .269
 NET LHP POWER TO FLUID 1191.2 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	1.372	769.8	.439	.326

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	496.3	.242	4.56E+04	
.051	487.1	.247	5.06E+04	
.063	463.6	.248	4.58E+04	
.089	497.1	.252	6.66E+04	
.114	530.7	.257	7.68E+04	
.140	585.5	.263	9.02E+04	
.165	654.4	.269	9.05E+04	
.317	858.8	.299	5.49E+04	
.394	906.3	.309	5.05E+04	
.470	933.8	.319	4.94E+04	
.546	954.6	.329	4.83E+04	
.622	968.5	.339	4.77E+04	
.698	983.2	.349	4.69E+04	
.775	996.5	.358	4.66E+04	
.851	1011.2	.368	4.61E+04	
.927	1020.3	.377	4.54E+04	
1.003	1016.2	.386	4.37E+04	
1.067	962.5	.393	3.83E+04	1.79E+03
1.156	975.6	.402	3.75E+04	8.65E+02
1.232	913.8	.410	3.78E+04	
1.257	901.7	.413	4.09E+04	
1.321	921.9	.420	4.11E+04	
1.384	990.5	.427	4.25E+04	
1.511	1003.3	.441	4.03E+04	
1.562	941.3	.446	4.17E+04	
1.613	967.5	.452	4.18E+04	
1.689	994.8	.461	4.07E+04	
1.765	1004.3	.469	3.92E+04	
1.816	989.8	.474	3.62E+04	
1.867	915.3	.479	3.86E+04	
1.918	938.2	.484	3.85E+04	

INEL POST-CHF EXPERIMENT NO. 66

POINT SERIAL NO. 3066.020 (TIME= 180.50 SEC)

LOOP PRESSURE(PE-3) 7.01 MPA
 FCV TEMPERATURE(TE-FCV-1T) 506.5 K
 LHP INLET ENTHALPY 1.007E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.22 K
 MASS FLUX 45.06 KG/SEC-M**2
 INLET QUALITY .240
 INLET ENTHALPY 1.144E+06 J/KG
 QUENCH FRONT:
 ELEVATION .164 M
 VELOCITY .0043 M/SEC
 QUALITY .269
 NET LHP POWER TO FLUID 1191.2 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.677	780.6	.474	.349

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	496.3	.242	4.56E+04	
.051	487.1	.247	5.06E+04	
.063	463.6	.248	4.58E+04	
.089	497.1	.252	6.66E+04	
.114	530.7	.257	7.68E+04	
.140	585.5	.263	9.02E+04	
.165	654.4	.269	9.05E+04	
.317	858.8	.299	5.49E+04	
.394	906.3	.309	5.05E+04	
.470	933.8	.319	4.94E+04	
.546	954.6	.329	4.83E+04	
.622	968.5	.339	4.77E+04	
.698	983.2	.349	4.69E+04	
.775	996.5	.358	4.66E+04	
.851	1011.2	.368	4.61E+04	
.927	1020.3	.377	4.54E+04	
1.003	1016.2	.386	4.37E+04	
1.067	962.5	.393	3.83E+04	1.79E+03
1.156	975.6	.402	3.75E+04	8.65E+02
1.232	913.8	.410	3.78E+04	
1.257	901.7	.413	4.09E+04	
1.321	921.9	.420	4.11E+04	
1.384	990.5	.427	4.25E+04	
1.511	1003.3	.441	4.03E+04	
1.562	941.3	.446	4.17E+04	
1.613	967.5	.452	4.18E+04	
1.689	994.8	.461	4.07E+04	
1.765	1004.3	.469	3.92E+04	
1.816	989.8	.474	3.62E+04	
1.867	915.3	.479	3.86E+04	
1.918	938.2	.484	3.85E+04	

INEL POST-CHF EXPERIMENT NO. 66

POINT SERIAL NO. 1066.030 (TIME= 199.50 SEC)

LOOP PRESSURE(PE-3) 6.99 MPA
 FCV TEMPERATURE(TE-FCV-1T) 506.1 K
 LHP INLET ENTHALPY 1.005E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.28 K
 MASS FLUX 44.89 KG/SEC-M**2
 INLET QUALITY .240
 INLET ENTHALPY 1.142E+06 J/KG
 QUENCH FRONT:
 ELEVATION .247 M
 VELOCITY .0044 M/SEC
 QUALITY .277
 NET LHP POWER TO FLUID 1192.8 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.985	665.1	.408	.329

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	482.7	.241	4.25E+04	
.051	465.4	.245	4.43E+04	
.063	451.3	.247	4.17E+04	
.089	469.3	.250	4.38E+04	
.114	459.0	.253	4.43E+04	
.140	447.2	.256	4.81E+04	
.165	477.4	.260	7.87E+04	
.317	791.0	.292	7.55E+04	
.394	878.8	.305	5.51E+04	
.470	911.0	.316	5.16E+04	
.546	934.6	.327	4.99E+04	
.622	950.2	.337	4.89E+04	
.698	966.7	.347	4.80E+04	
.775	980.8	.357	4.75E+04	
.851	996.5	.366	4.70E+04	
.927	1006.9	.376	4.64E+04	
1.003	1005.8	.385	4.49E+04	
1.067	957.9	.392	4.01E+04	1.97E+03
1.156	974.1	.402	3.95E+04	1.31E+03
1.232	910.3	.410	3.95E+04	
1.257	896.8	.413	4.26E+04	
1.321	916.8	.420	4.26E+04	
1.384	983.0	.427	4.33E+04	
1.511	997.2	.442	4.13E+04	
1.562	935.4	.448	4.25E+04	
1.613	961.5	.453	4.26E+04	
1.689	990.8	.462	4.17E+04	
1.765	1002.8	.471	4.06E+04	
1.816	989.6	.476	3.75E+04	
1.867	915.5	.481	4.00E+04	
1.918	938.8	.487	3.96E+04	

INEL POST-CHF EXPERIMENT NO. 66

POINT SERIAL NO. 2066.030 (TIME= 199.50 SEC)

LOOP PRESSURE(PE-3) 6.99 MPA
 FCV TEMPERATURE(TE-FCV-1T) 506.1 K
 LHP INLET ENTHALPY 1.005E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.28 K
 MASS FLUX 44.89 KG/SEC-M**2
 INLET QUALITY .240
 INLET ENTHALPY 1.142E+06 J/KG
 QUENCH FRONT:
 ELEVATION .247 M
 VELOCITY .0044 M/SEC
 QUALITY .277
 NET LHP POWER TO FLUID 1192.8 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	1.290	765.7	.440	.328

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	482.7	.241	4.25E+04	
.051	465.4	.245	4.43E+04	
.063	451.3	.247	4.17E+04	
.089	469.3	.250	4.38E+04	
.114	459.0	.253	4.43E+04	
.140	447.2	.256	4.81E+04	
.165	477.4	.260	7.87E+04	
.317	791.0	.292	7.55E+04	
.394	878.8	.305	5.51E+04	
.470	911.0	.316	5.16E+04	
.546	934.6	.327	4.99E+04	
.622	950.2	.337	4.89E+04	
.698	966.7	.347	4.80E+04	
.775	980.8	.357	4.75E+04	
.851	996.5	.366	4.70E+04	
.927	1006.9	.376	4.64E+04	
1.003	1005.8	.385	4.49E+04	
1.067	957.9	.392	4.01E+04	1.97E+03
1.156	974.1	.402	3.95E+04	1.31E+03
1.232	910.3	.410	3.95E+04	
1.257	896.8	.413	4.26E+04	
1.321	916.8	.420	4.26E+04	
1.384	983.0	.427	4.33E+04	
1.511	997.2	.442	4.13E+04	
1.562	935.4	.448	4.25E+04	
1.613	961.5	.453	4.26E+04	
1.689	990.8	.462	4.17E+04	
1.765	1002.8	.471	4.06E+04	
1.816	989.6	.476	3.75E+04	
1.867	915.5	.481	4.00E+04	
1.918	938.8	.487	3.96E+04	

INEL POST-CHF EXPERIMENT NO. 66

POINT SERIAL NO. 3066.030 (TIME= 199.50 SEC)

LOOP PRESSURE{PE-3} 6.99 MPA
 FCV TEMPERATURE{TE-FCV-11} 506.1 K
 LHP INLET ENTHALPY 1.005E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.28 K
 MASS FLUX 44.09 KG/SEC-M**2
 INLET QUALITY .240
 INLET ENTHALPY 1.142E+06 J/KG
 QUENCH FRONT:
 ELEVATION .247 M
 VELOCITY .0044 M/SEC
 QUALITY .277
 NET LHP POWER TO FLUID 1192.8 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.841 1.595 773.1 .476 .353

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013	482.7	.241	4.25E+04	
.051	465.4	.245	4.43E+04	
.063	451.3	.247	4.17E+04	
.089	469.3	.250	4.38E+04	
.114	459.0	.253	4.43E+04	
.140	447.2	.255	4.81E+04	
.165	477.4	.260	7.87E+04	
.317	791.0	.292	7.55E+04	
.394	878.8	.305	5.51E+04	
.470	911.0	.316	5.16E+04	
.546	934.6	.327	4.99E+04	
.622	950.2	.337	4.89E+04	
.698	966.7	.347	4.80E+04	
.775	980.8	.357	4.75E+04	
.851	996.5	.366	4.70E+04	
.927	1006.9	.376	4.64E+04	
1.003	1005.8	.385	4.49E+04	
1.067	957.9	.392	4.01E+04	1.97E+03
1.156	974.1	.402	3.95E+04	1.31E+03
1.232	910.3	.410	3.95E+04	
1.257	896.8	.413	4.26E+04	
1.321	916.8	.420	4.26E+04	
1.384	983.0	.427	4.33E+04	
1.511	997.2	.442	4.13E+04	
1.562	935.4	.448	4.25E+04	
1.613	961.5	.453	4.26E+04	
1.689	990.8	.462	4.17E+04	
1.765	1002.8	.471	4.06E+04	
1.816	989.6	.476	3.75E+04	
1.867	915.5	.481	4.00E+04	
1.918	938.8	.487	3.96E+04	

INEL POST-CHF EXPERIMENT NO. 66

POINT SERIAL NO. 1066.040 (TIME= 216.50 SEC)

LOOP PRESSURE{PE-3} 6.99 MPA
 FCV TEMPERATURE{TE-FCV-11} 505.8 K
 LHP INLET ENTHALPY 1.004E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.25 K
 MASS FLUX 44.48 KG/SEC-M**2
 INLET QUALITY .239
 INLET ENTHALPY 1.142E+06 J/KG
 QUENCH FRONT:
 ELEVATION .321 M
 VELOCITY .0044 M/SEC
 QUALITY .284
 NET LHP POWER TO FLUID 1192.5 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.232 .911 647.9 .410 .335

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013	476.5	.241	4.18E+04	
.051	456.2	.245	4.24E+04	
.063	446.2	.247	4.10E+04	
.089	461.0	.249	4.22E+04	
.114	450.1	.252	4.20E+04	
.140	438.4	.255	4.12E+04	
.165	446.9	.258	4.61E+04	
.317	512.3	.284	7.66E+04	
.394	823.0	.300	8.64E+04	
.470	887.1	.315	5.49E+04	
.546	915.6	.326	5.15E+04	
.622	933.5	.337	4.99E+04	
.698	952.1	.347	4.85E+04	
.775	967.2	.357	4.80E+04	
.851	983.9	.367	4.75E+04	
.927	995.2	.376	4.70E+04	
1.003	996.3	.386	4.58E+04	
1.067	952.9	.393	4.14E+04	1.96E+03
1.156	970.9	.403	4.10E+04	1.37E+03
1.232	906.6	.412	4.03E+04	
1.257	892.5	.415	4.28E+04	
1.321	912.5	.422	4.30E+04	
1.384	977.2	.430	4.35E+04	
1.511	992.5	.444	4.15E+04	
1.562	931.4	.450	4.25E+04	
1.613	957.3	.456	4.25E+04	
1.689	987.9	.465	4.19E+04	
1.765	1001.7	.473	4.10E+04	
1.816	989.6	.479	3.80E+04	
1.867	915.9	.484	4.05E+04	
1.918	939.6	.490	4.00E+04	

INEL POST-CHF EXPERIMENT NO. 66

POINT SERIAL NO. 2066.040 (TIME= 216.50 SEC)

LOOP PRESSURE(PE-3) 6.99 MPA
 FCV TEMPERATURE(TE-FCV-1T) 505.8 K
 LHP INLET ENTHALPY 1.004E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.25 K
 MASS FLUX 44.48 KG/SEC-M**2
 INLET QUALITY .239
 INLET ENTHALPY 1.142E+06 J/KG
 QUENCH FRONT:
 ELEVATION .321 M
 VELOCITY .0044 M/SEC
 QUALITY .284
 NET LHP POWER TO FLUID 1192.5 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	1.216	747.1	.442	.334

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	476.5	.241	4.18E+04	
.051	456.2	.245	4.24E+04	
.063	446.2	.247	4.10E+04	
.089	461.0	.249	4.22E+04	
.114	450.1	.252	4.20E+04	
.140	438.4	.255	4.12E+04	
.165	446.9	.258	4.61E+04	
.317	612.3	.284	7.66E+04	
.394	823.0	.300	8.64E+04	
.470	887.1	.315	5.49E+04	
.546	915.6	.326	5.15E+04	
.622	933.5	.337	4.99E+04	
.698	952.1	.347	4.85E+04	
.775	967.2	.357	4.80E+04	
.851	983.9	.367	4.75E+04	
.927	995.2	.376	4.70E+04	
1.003	996.3	.386	4.58E+04	
1.067	952.9	.393	4.14E+04	1.96E+03
1.156	970.9	.403	4.10E+04	1.37E+03
1.232	906.6	.412	4.03E+04	
1.257	892.5	.415	4.28E+04	
1.321	912.5	.422	4.30E+04	
1.384	977.2	.430	4.35E+04	
1.511	992.5	.444	4.15E+04	
1.562	931.4	.450	4.25E+04	
1.613	957.3	.456	4.25E+04	
1.689	987.9	.465	4.19E+04	
1.765	1001.7	.473	4.10E+04	
1.816	989.6	.479	3.80E+04	
1.867	915.9	.484	4.05E+04	
1.918	939.6	.490	4.00E+04	

INEL POST-CHF EXPERIMENT NO. 66

POINT SERIAL NO. 3066.040 (TIME= 216.50 SEC)

LOOP PRESSURE(PE-3) 6.99 MPA
 FCV TEMPERATURE(TE-FCV-1T) 505.8 K
 LHP INLET ENTHALPY 1.004E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.25 K
 MASS FLUX 44.48 KG/SEC-M**2
 INLET QUALITY .239
 INLET ENTHALPY 1.142E+06 J/KG
 QUENCH FRONT:
 ELEVATION .321 M
 VELOCITY .0044 M/SEC
 QUALITY .284
 NET LHP POWER TO FLUID 1192.5 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.521	765.4	.479	.357

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	476.5	.241	4.18E+04	
.051	456.2	.245	4.24E+04	
.063	446.2	.247	4.10E+04	
.089	461.0	.249	4.22E+04	
.114	450.1	.252	4.20E+04	
.140	438.4	.255	4.12E+04	
.165	446.9	.258	4.61E+04	
.317	612.3	.284	7.66E+04	
.394	823.0	.300	8.64E+04	
.470	887.1	.315	5.49E+04	
.546	915.6	.326	5.15E+04	
.622	933.5	.337	4.99E+04	
.698	952.1	.347	4.85E+04	
.775	967.2	.357	4.80E+04	
.851	983.9	.367	4.75E+04	
.927	995.2	.376	4.70E+04	
1.003	996.3	.386	4.58E+04	
1.067	952.9	.393	4.14E+04	1.96E+03
1.156	970.9	.403	4.10E+04	1.37E+03
1.232	906.6	.412	4.03E+04	
1.257	892.5	.415	4.28E+04	
1.321	912.5	.422	4.30E+04	
1.384	977.2	.430	4.35E+04	
1.511	992.5	.444	4.15E+04	
1.562	931.4	.450	4.25E+04	
1.613	957.3	.456	4.25E+04	
1.689	987.9	.465	4.19E+04	
1.765	1001.7	.473	4.10E+04	
1.816	989.6	.479	3.80E+04	
1.867	915.9	.484	4.05E+04	
1.918	939.6	.490	4.00E+04	

INEL POST-CHF EXPERIMENT NO. 66

POINT SERIAL NO. 1066.050 (TIME= 230.50 SEC)

LOOP PRESSURE{PE-3} 7.00 MPA
 FCV TEMPERATURE{TE-FCV-11} 505.7 K
 LHP INLET ENTHALPY 1.003E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.24 K
 MASS FLUX 44.39 KG/SEC-M**2
 INLET QUALITY .239
 INLET ENTHALPY 1.142E+06 J/KG
 QUENCH FRONT:
 ELEVATION .381 M
 VELOCITY .0042 M/SEC
 QUALITY .293
 NET LHP POWER TO FLUID 1191.8 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.851	636.3	.414	.341

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	473.1	.241	4.17E+04	
.051	451.7	.245	4.20E+04	
.063	443.5	.247	4.12E+04	
.089	456.7	.250	4.20E+04	
.114	445.6	.252	4.19E+04	
.140	435.9	.255	4.10E+04	
.165	442.3	.258	4.19E+04	
.317	502.9	.280	6.13E+04	
.394	753.7	.296	9.53E+04	
.470	859.9	.314	7.98E+04	
.546	897.1	.328	5.47E+04	
.622	918.6	.339	5.19E+04	
.698	939.7	.349	4.99E+04	
.775	955.7	.360	4.91E+04	
.851	973.4	.370	4.84E+04	
.927	985.6	.380	4.78E+04	
1.003	988.1	.390	4.69E+04	
1.067	948.0	.397	4.23E+04	2.06E+03
1.156	967.1	.407	4.17E+04	1.96E+03
1.232	903.0	.416	4.15E+04	
1.257	888.7	.419	4.40E+04	
1.321	908.9	.427	4.39E+04	
1.384	972.6	.434	4.43E+04	
1.511	988.8	.449	4.22E+04	
1.562	928.6	.455	4.32E+04	
1.613	954.4	.461	4.32E+04	
1.689	985.8	.470	4.27E+04	
1.765	1000.8	.479	4.18E+04	
1.816	989.4	.484	3.88E+04	
1.867	916.5	.490	4.10E+04	
1.918	940.5	.495	4.07E+04	

INEL POST-CHF EXPERIMENT NO. 66

POINT SERIAL NO. 2066.050 (TIME= 230.50 SEC)

LOOP PRESSURE{PE-3} 7.00 MPA
 FCV TEMPERATURE{TE-FCV-11} 505.7 K
 LHP INLET ENTHALPY 1.003E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.24 K
 MASS FLUX 44.39 KG/SEC-M**2
 INLET QUALITY .239
 INLET ENTHALPY 1.142E+06 J/KG
 QUENCH FRONT:
 ELEVATION .381 M
 VELOCITY .0042 M/SEC
 QUALITY .293
 NET LHP POWER TO FLUID 1191.8 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	1.156	738.6	.447	.340

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	473.1	.241	4.17E+04	
.051	451.7	.245	4.20E+04	
.063	443.5	.247	4.12E+04	
.089	456.7	.250	4.20E+04	
.114	445.6	.252	4.19E+04	
.140	435.9	.255	4.10E+04	
.165	442.3	.258	4.19E+04	
.317	502.9	.280	6.13E+04	
.394	753.7	.296	9.53E+04	
.470	859.9	.314	7.98E+04	
.546	897.1	.328	5.47E+04	
.622	918.6	.339	5.19E+04	
.698	939.7	.349	4.99E+04	
.775	955.7	.360	4.91E+04	
.851	973.4	.370	4.84E+04	
.927	985.6	.380	4.78E+04	
1.003	988.1	.390	4.69E+04	
1.067	948.0	.397	4.23E+04	2.06E+03
1.156	967.1	.407	4.17E+04	1.96E+03
1.232	903.0	.416	4.15E+04	
1.257	888.7	.419	4.40E+04	
1.321	908.9	.427	4.39E+04	
1.384	972.6	.434	4.43E+04	
1.511	988.8	.449	4.22E+04	
1.562	928.6	.455	4.32E+04	
1.613	954.4	.461	4.32E+04	
1.689	985.8	.470	4.27E+04	
1.765	1000.8	.479	4.18E+04	
1.816	989.4	.484	3.88E+04	
1.867	916.5	.490	4.10E+04	
1.918	940.5	.495	4.07E+04	

H-71

INEL POST-CHF EXPERIMENT NO. 66

POINT SERIAL NO. 3066.050 (TIME= 230.50 SEC)

LOOP PRESSURE (PE-3) 7.00 MPA
 FCV TEMPERATURE (TE-FCV-1T) 505.7 K
 LHP INLET ENTHALPY 1.003E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.24 K
 MASS FLUX 44.39 KG/SEC-M**2
 INLET QUALITY .239
 INLET ENTHALPY 1.142E+06 J/KG
 QUENCH FRONT:
 ELEVATION .381 M
 VELOCITY .0042 M/SEC
 QUALITY .293
 NET LHP POWER TO FLUID 1191.8 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.460	765.5	.484	.361

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	473.1	.241	4.17E+04	
.051	451.7	.245	4.20E+04	
.063	443.5	.247	4.12E+04	
.089	456.7	.250	4.20E+04	
.114	445.6	.252	4.19E+04	
.140	435.9	.255	4.10E+04	
.165	442.3	.258	4.19E+04	
.317	502.9	.280	6.13E+04	
.394	753.7	.296	9.53E+04	
.470	859.9	.314	7.98E+04	
.546	897.1	.328	5.47E+04	
.622	918.6	.339	5.19E+04	
.698	939.7	.349	4.99E+04	
.775	955.7	.360	4.91E+04	
.851	973.4	.370	4.84E+04	
.927	985.6	.380	4.78E+04	
1.003	988.1	.390	4.69E+04	
1.067	948.0	.397	4.23E+04	
1.156	967.1	.407	4.17E+04	2.06E+03
1.232	903.0	.416	4.15E+04	1.96E+03
1.257	888.7	.419	4.40E+04	
1.321	908.9	.427	4.39E+04	
1.384	972.6	.434	4.43E+04	
1.511	988.8	.449	4.22E+04	
1.562	928.6	.455	4.32E+04	
1.613	954.4	.461	4.32E+04	
1.689	985.8	.470	4.27E+04	
1.765	1000.8	.479	4.18E+04	
1.816	989.4	.484	3.88E+04	
1.867	916.5	.490	4.10E+04	
1.918	940.5	.495	4.07E+04	

INEL POST-CHF EXPERIMENT NO. 66

POINT SERIAL NO. 1066.060 (TIME= 250.50 SEC)

LOOP PRESSURE (PE-3) 7.02 MPA
 FCV TEMPERATURE (TE-FCV-1T) 505.7 K
 LHP INLET ENTHALPY 1.003E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.23 K
 MASS FLUX 44.07 KG/SEC-M**2
 INLET QUALITY .240
 INLET ENTHALPY 1.143E+06 J/KG
 QUENCH FRONT:
 ELEVATION .466 M
 VELOCITY .0043 M/SEC
 QUALITY .308
 NET LHP POWER TO FLUID 1192.8 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.766	611.0	.423	.356

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	469.9	.241	4.32E+04	
.051	447.8	.246	4.32E+04	
.063	440.8	.247	4.28E+04	
.089	452.5	.250	4.34E+04	
.114	441.8	.253	4.31E+04	
.140	434.0	.256	4.25E+04	
.165	438.7	.259	4.30E+04	
.317	444.0	.278	4.51E+04	
.394	497.8	.290	7.52E+04	
.470	726.6	.309	1.02E+05	
.546	847.3	.328	8.15E+04	
.622	892.1	.343	5.78E+04	
.698	919.6	.354	5.37E+04	
.775	938.4	.365	5.20E+04	
.851	958.1	.376	5.08E+04	
.927	971.5	.386	5.00E+04	
1.003	975.9	.397	4.92E+04	
1.067	940.1	.405	4.48E+04	
1.156	960.3	.416	4.40E+04	2.07E+03
1.232	897.0	.425	4.37E+04	2.17E+03
1.257	882.5	.428	4.64E+04	
1.321	903.2	.436	4.63E+04	
1.384	966.0	.444	4.65E+04	
1.511	983.7	.460	4.41E+04	
1.562	924.8	.466	4.52E+04	
1.613	950.3	.473	4.52E+04	
1.689	982.9	.482	4.46E+04	
1.765	999.4	.491	4.39E+04	
1.816	989.1	.497	4.07E+04	
1.867	917.4	.503	4.30E+04	
1.918	941.6	.509	4.28E+04	

INEL POST-CHF EXPERIMENT NO. 66

POINT SERIAL NO. 2066.060 (TIME= 250.50 SEC)

LOOP PRESSURE(PE-3) 7.02 MPA
 FCV TEMPERATURE(TE-FCV-1T) 505.7 K
 LHP INLET ENTHALPY 1.003E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.23 K
 MASS FLUX 44.07 KG/SEC-M**2
 INLET QUALITY .240
 INLET ENTHALPY 1.143E+06 J/KG
 QUENCH FRONT:
 ELEVATION .466 M
 VELOCITY .0043 M/SEC
 QUALITY .308
 NET LHP POWER TO FLUID 1192.8 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	1.070	719.5	.458	.353

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	469.9	.241	4.32E+04	
.051	447.8	.246	4.32E+04	
.063	440.8	.247	4.28E+04	
.089	452.5	.250	4.34E+04	
.114	441.8	.253	4.31E+04	
.140	434.0	.256	4.25E+04	
.165	438.7	.259	4.30E+04	
.317	444.0	.278	4.51E+04	
.394	497.8	.290	7.52E+04	
.470	726.6	.309	1.02E+05	
.546	847.3	.328	8.15E+04	
.622	892.1	.343	5.78E+04	
.698	919.6	.354	5.37E+04	
.775	938.4	.365	5.20E+04	
.851	958.1	.376	5.08E+04	
.927	971.5	.386	5.00E+04	
1.003	975.9	.397	4.92E+04	
1.067	940.1	.405	4.48E+04	2.07E+03
1.156	960.3	.416	4.40E+04	2.17E+03
1.232	897.0	.425	4.37E+04	
1.257	882.5	.428	4.64E+04	
1.321	903.2	.436	4.63E+04	
1.384	966.0	.444	4.65E+04	
1.511	983.7	.460	4.41E+04	
1.562	924.8	.466	4.52E+04	
1.613	950.3	.473	4.52E+04	
1.689	982.9	.482	4.46E+04	
1.765	999.4	.491	4.39E+04	
1.816	989.1	.497	4.07E+04	
1.867	917.4	.503	4.30E+04	
1.918	941.6	.509	4.28E+04	

INEL POST-CHF EXPERIMENT NO. 66

POINT SERIAL NO. 3066.060 (TIME= 250.50 SEC)

LOOP PRESSURE(PE-3) 7.02 MPA
 FCV TEMPERATURE(TE-FCV-1T) 505.7 K
 LHP INLET ENTHALPY 1.003E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.23 K
 MASS FLUX 44.07 KG/SEC-M**2
 INLET QUALITY .240
 INLET ENTHALPY 1.143E+06 J/KG
 QUENCH FRONT:
 ELEVATION .466 M
 VELOCITY .0043 M/SEC
 QUALITY .308
 NET LHP POWER TO FLUID 1192.8 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.375	745.0	.497	.376

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	469.9	.241	4.32E+04	
.051	447.8	.246	4.32E+04	
.063	440.8	.247	4.28E+04	
.089	452.5	.250	4.34E+04	
.114	441.8	.253	4.31E+04	
.140	434.0	.256	4.25E+04	
.165	438.7	.259	4.30E+04	
.317	444.0	.278	4.51E+04	
.394	497.8	.290	7.52E+04	
.470	726.6	.309	1.02E+05	
.546	847.3	.328	8.15E+04	
.622	892.1	.343	5.78E+04	
.698	919.6	.354	5.37E+04	
.775	938.4	.365	5.20E+04	
.851	958.1	.376	5.08E+04	
.927	971.5	.386	5.00E+04	
1.003	975.9	.397	4.92E+04	
1.067	940.1	.405	4.48E+04	2.07E+03
1.156	960.3	.416	4.40E+04	2.17E+03
1.232	897.0	.425	4.37E+04	
1.257	882.5	.428	4.64E+04	
1.321	903.2	.436	4.63E+04	
1.384	966.0	.444	4.65E+04	
1.511	983.7	.460	4.41E+04	
1.562	924.8	.466	4.52E+04	
1.613	950.3	.473	4.52E+04	
1.689	982.9	.482	4.46E+04	
1.765	999.4	.491	4.39E+04	
1.816	989.1	.497	4.07E+04	
1.867	917.4	.503	4.30E+04	
1.918	941.6	.509	4.28E+04	

INEL POST-CHF EXPERIMENT NO. 66

POINT SERIAL NO. 1066.070 (TIME= 268.50 SEC)

LOOP PRESSURE(PE-3) 7.01 MPA
 FCV TEMPERATURE(TE-FCV-1T) 505.6 K
 LHP INLET ENTHALPY 1.002E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.21 K
 MASS FLUX 43.86 KG/SEC-M**2
 INLET QUALITY .240
 INLET ENTHALPY 1.143E+06 J/KG
 QUENCH FRONT:
 ELEVATION .545 M
 VELOCITY .0044 M/SEC
 QUALITY .321
 NET LHP POWER TO FLUID 1192.7 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.687	590.9	.428	.366

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	468.0	.241	4.48E+04	
.051	445.7	.246	4.48E+04	
.063	439.3	.248	4.45E+04	
.089	449.9	.251	4.50E+04	
.114	439.6	.254	4.47E+04	
.140	433.2	.257	4.42E+04	
.165	437.0	.260	4.44E+04	
.317	439.0	.279	4.53E+04	
.394	450.3	.289	4.75E+04	
.470	531.0	.303	8.37E+04	
.546	701.4	.321	9.45E+04	
.622	837.6	.340	8.28E+04	
.698	896.0	.355	5.94E+04	
.775	920.0	.367	5.57E+04	
.851	943.0	.378	5.35E+04	
.927	958.3	.389	5.24E+04	
1.003	964.4	.400	5.15E+04	
1.067	932.3	.409	4.75E+04	1.75E+03
1.156	953.2	.420	4.66E+04	1.94E+03
1.232	890.7	.430	4.60E+04	
1.257	876.3	.434	4.82E+04	
1.321	897.8	.442	4.80E+04	
1.384	959.9	.450	4.82E+04	
1.511	979.2	.467	4.59E+04	
1.562	921.1	.473	4.75E+04	
1.613	946.6	.480	4.73E+04	
1.689	980.3	.490	4.67E+04	
1.765	998.1	.500	4.60E+04	
1.816	988.8	.506	4.27E+04	
1.867	918.4	.512	4.50E+04	
1.918	942.6	.518	4.48E+04	

INEL POST-CHF EXPERIMENT NO. 66

POINT SERIAL NO. 2066.070 (TIME= 268.50 SEC)

LOOP PRESSURE(PE-3) 7.01 MPA
 FCV TEMPERATURE(TE-FCV-1T) 505.6 K
 LHP INLET ENTHALPY 1.002E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.21 K
 MASS FLUX 43.86 KG/SEC-M**2
 INLET QUALITY .240
 INLET ENTHALPY 1.143E+06 J/KG
 QUENCH FRONT:
 ELEVATION .545 M
 VELOCITY .0044 M/SEC
 QUALITY .321
 NET LHP POWER TO FLUID 1192.7 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.992	705.0	.464	.363

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	468.0	.241	4.48E+04	
.051	445.7	.246	4.48E+04	
.063	439.3	.248	4.45E+04	
.089	449.9	.251	4.50E+04	
.114	439.6	.254	4.47E+04	
.140	433.2	.257	4.42E+04	
.165	437.0	.260	4.44E+04	
.317	439.0	.279	4.53E+04	
.394	450.3	.289	4.75E+04	
.470	531.0	.303	8.37E+04	
.546	701.4	.321	9.45E+04	
.622	837.6	.340	8.28E+04	
.698	896.0	.355	5.94E+04	
.775	920.0	.367	5.57E+04	
.851	943.0	.378	5.35E+04	
.927	958.3	.389	5.24E+04	
1.003	964.4	.400	5.15E+04	
1.067	932.3	.409	4.75E+04	1.75E+03
1.156	953.2	.420	4.66E+04	1.94E+03
1.232	890.7	.430	4.60E+04	
1.257	876.3	.434	4.82E+04	
1.321	897.8	.442	4.80E+04	
1.384	959.9	.450	4.82E+04	
1.511	979.2	.467	4.59E+04	
1.562	921.1	.473	4.75E+04	
1.613	946.6	.480	4.73E+04	
1.689	980.3	.490	4.67E+04	
1.765	998.1	.500	4.60E+04	
1.816	988.8	.506	4.27E+04	
1.867	918.4	.512	4.50E+04	
1.918	942.6	.518	4.48E+04	

H-74

INEL POST-CHF EXPERIMENT NO. 66

POINT SERIAL NO. 3066.070 (TIME= 268.50 SEC)

LOOP PRESSURE(PE-3) 7.01 MPA
 FCV TEMPERATURE(TE-FCV-11) 505.6 K
 LHP INLET ENTHALPY 1.002E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.21 K
 MASS FLUX 43.86 KG/SEC-M**2
 INLET QUALITY .240
 INLET ENTHALPY 1.143E+06 J/KG
 QUENCH FRONT:
 ELEVATION .545 M
 VELOCITY .0044 M/SEC
 QUALITY .321
 NET LHP POWER TO FLUID 1192.7 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)
 1.841 1.297 736.5 .509 .388

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2
 .013 468.0 .241 4.48E+04
 .051 445.7 .246 4.48E+04
 .063 439.3 .248 4.45E+04
 .089 449.9 .251 4.50E+04
 .114 439.6 .254 4.47E+04
 .140 433.2 .257 4.42E+04
 .165 437.0 .260 4.44E+04
 .317 439.0 .279 4.53E+04
 .394 450.3 .289 4.75E+04
 .470 531.0 .303 8.37E+04
 .546 701.4 .321 9.45E+04
 .622 837.6 .340 8.28E+04
 .698 896.0 .355 5.94E+04
 .775 920.0 .367 5.57E+04
 .851 943.0 .378 5.35E+04
 .927 958.3 .389 5.24E+04
 1.003 964.4 .400 5.15E+04
 1.067 932.3 .409 4.75E+04 1.75E+03
 1.156 953.2 .420 4.66E+04 1.94E+03
 1.232 890.7 .430 4.60E+04
 1.257 876.3 .434 4.82E+04
 1.321 897.8 .442 4.80E+04
 1.384 959.9 .450 4.82E+04
 1.511 979.2 .467 4.59E+04
 1.562 921.1 .473 4.75E+04
 1.613 946.6 .480 4.73E+04
 1.689 980.3 .490 4.67E+04
 1.765 998.1 .500 4.60E+04
 1.816 988.8 .506 4.27E+04
 1.867 918.4 .512 4.50E+04
 1.918 942.6 .518 4.48E+04

INEL POST-CHF EXPERIMENT NO. 66

POINT SERIAL NO. 1066.081 (TIME= 286.50 SEC)

{ INFERRED VAPOR TEMP }
 LOOP PRESSURE(PE-3) 7.01 MPA
 FCV TEMPERATURE(TE-FCV-11) 505.5 K
 LHP INLET ENTHALPY 1.002E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.31 K
 MASS FLUX 43.69 KG/SEC-M**2
 INLET QUALITY .240
 INLET ENTHALPY 1.142E+06 J/KG
 QUENCH FRONT:
 ELEVATION .623 M
 VELOCITY .0043 M/SEC
 QUALITY .332
 NET LHP POWER TO FLUID 1191.3 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 { INFERRED VAPOR TEMP }
 ELEVATION DZQF TV XE XA
 (M) (M) (K)
 1.232 .609 570.0 .433 .377

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2
 .013 466.7 .241 4.64E+04
 .051 444.2 .246 4.62E+04
 .063 438.2 .248 4.61E+04
 .089 448.0 .251 4.65E+04
 .114 438.0 .254 4.63E+04
 .140 432.6 .257 4.58E+04
 .165 435.9 .261 4.60E+04
 .317 436.5 .280 4.65E+04
 .394 444.2 .290 4.74E+04
 .470 474.0 .300 5.26E+04
 .546 525.4 .314 7.89E+04
 .622 662.4 .332 9.12E+04
 .698 843.9 .351 9.16E+04
 .775 896.0 .368 6.20E+04
 .851 925.3 .380 5.73E+04
 .927 943.6 .392 5.54E+04
 1.003 951.9 .404 5.41E+04
 1.067 923.5 .413 5.04E+04 1.43E+03
 1.156 945.2 .425 4.94E+04 1.63E+03
 1.232 883.9 .435 4.80E+04
 1.257 871.6 .439 4.98E+04
 1.321 893.3 .447 4.97E+04
 1.384 954.7 .456 5.00E+04
 1.511 975.1 .473 4.76E+04
 1.562 917.0 .480 4.99E+04
 1.613 942.9 .487 4.95E+04
 1.689 977.7 .497 4.87E+04
 1.765 996.6 .508 4.81E+04
 1.816 988.4 .514 4.44E+04
 1.867 919.8 .521 4.69E+04
 1.918 944.0 .527 4.69E+04

H-75

INEL POST-CHF EXPERIMENT NO. 66

POINT SERIAL NO. 2066.080 (TIME= 286.50 SEC)

LOOP PRESSURE(PE-3) 7.01 MPA
 FCV TEMPERATURE(TE-FCV-1T) 505.5 K
 LHP INLET ENTHALPY 1.002E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.31 K
 MASS FLUX 43.69 KG/SEC-M**2
 INLET QUALITY .240
 INLET ENTHALPY 1.142E+06 J/KG
 QUENCH FRONT:
 ELEVATION .623 M
 VELOCITY .0043 M/SEC
 QUALITY .332
 NET LHP POWER TO FLUID 1191.3 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.913	687.4	.477	.377

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	466.7	.241	4.64E+04	
.051	444.2	.246	4.62E+04	
.063	438.2	.248	4.61E+04	
.089	448.0	.251	4.65E+04	
.114	438.0	.254	4.63E+04	
.140	432.6	.257	4.58E+04	
.165	435.9	.261	4.60E+04	
.317	436.5	.280	4.65E+04	
.394	444.2	.290	4.74E+04	
.470	474.0	.300	5.26E+04	
.546	525.4	.314	7.89E+04	
.622	662.4	.332	9.12E+04	
.698	843.9	.351	9.16E+04	
.775	896.0	.368	6.20E+04	
.851	925.3	.380	5.73E+04	
.927	943.6	.392	5.54E+04	
1.003	951.9	.404	5.41E+04	
1.067	923.5	.413	5.04E+04	1.43E+03
1.156	945.2	.425	4.94E+04	1.63E+03
1.232	883.9	.435	4.80E+04	
1.257	871.6	.439	4.98E+04	
1.321	893.3	.447	4.97E+04	
1.384	954.7	.456	5.00E+04	
1.511	975.1	.473	4.76E+04	
1.562	917.0	.480	4.99E+04	
1.613	942.9	.487	4.95E+04	
1.689	977.7	.497	4.87E+04	
1.765	996.6	.508	4.81E+04	
1.816	988.4	.514	4.44E+04	
1.867	919.8	.521	4.69E+04	
1.918	944.0	.527	4.69E+04	

INEL POST-CHF EXPERIMENT NO. 66

POINT SERIAL NO. 3066.080 (TIME= 286.50 SEC)

LOOP PRESSURE(PE-3) 7.01 MPA
 FCV TEMPERATURE(TE-FCV-1T) 505.5 K
 LHP INLET ENTHALPY 1.002E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.31 K
 MASS FLUX 43.69 KG/SEC-M**2
 INLET QUALITY .240
 INLET ENTHALPY 1.142E+06 J/KG
 QUENCH FRONT:
 ELEVATION .623 M
 VELOCITY .0043 M/SEC
 QUALITY .332
 NET LHP POWER TO FLUID 1191.3 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.218	726.8	.517	.397

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	466.7	.241	4.64E+04	
.051	444.2	.246	4.62E+04	
.063	438.2	.248	4.61E+04	
.089	448.0	.251	4.65E+04	
.114	438.0	.254	4.63E+04	
.140	432.6	.257	4.58E+04	
.165	435.9	.261	4.60E+04	
.317	436.5	.280	4.65E+04	
.394	444.2	.290	4.74E+04	
.470	474.0	.300	5.26E+04	
.546	525.4	.314	7.89E+04	
.622	662.4	.332	9.12E+04	
.698	843.9	.351	9.16E+04	
.775	896.0	.368	6.20E+04	
.851	925.3	.380	5.73E+04	
.927	943.6	.392	5.54E+04	
1.003	951.9	.404	5.41E+04	
1.067	923.5	.413	5.04E+04	1.43E+03
1.156	945.2	.425	4.94E+04	1.63E+03
1.232	883.9	.435	4.80E+04	
1.257	871.6	.439	4.98E+04	
1.321	893.3	.447	4.97E+04	
1.384	954.7	.456	5.00E+04	
1.511	975.1	.473	4.76E+04	
1.562	917.0	.480	4.99E+04	
1.613	942.9	.487	4.95E+04	
1.689	977.7	.497	4.87E+04	
1.765	996.6	.508	4.81E+04	
1.816	988.4	.514	4.44E+04	
1.867	919.8	.521	4.69E+04	
1.918	944.0	.527	4.69E+04	

INEL POST-CHF EXPERIMENT NO. 66

POINT SERIAL NO. 2066.090 (TIME= 304.50 SEC)

LOOP PRESSURE(PE-3) 6.99 MPA
 FCV TEMPERATURE(TE-FCV-1T) 505.5 K
 LHP INLET ENTHALPY 1.002E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.23 K
 MASS FLUX 43.92 KG/SEC-M**2
 INLET QUALITY .240
 INLET ENTHALPY 1.143E+06 J/KG
 QUENCH FRONT:
 ELEVATION .703 M
 VELOCITY .0045 M/SEC
 QUALITY .347
 NET LHP POWER TO FLUID 1190.9 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION	DZQF TV	XE	XA
(M)	(M) (K)		
1.537	.834 669.1	.484	.389

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		HEAT FLUX W/M**2	HEAT LOSS W/M**2
ELEVATION	TEMP	XE			
(M)	(K)				
.013	465.9	.241		4.84E+04	
.051	443.2	.246		4.83E+04	
.063	437.5	.248		4.82E+04	
.089	446.6	.251		4.86E+04	
.114	437.2	.255		4.82E+04	
.140	432.3	.258		4.81E+04	
.165	435.3	.262		4.81E+04	
.317	435.0	.282		4.84E+04	
.394	440.9	.292		4.89E+04	
.470	463.5	.303		5.09E+04	
.546	475.8	.314		5.52E+04	
.622	489.2	.327		7.38E+04	
.698	683.5	.346		1.05E+05	
.775	831.6	.367		9.16E+04	
.851	901.8	.383		6.42E+04	
.927	926.4	.396		5.94E+04	
1.003	937.8	.408		5.73E+04	
1.067	913.8	.418		5.38E+04	8.81E+02
1.156	936.7	.431		5.26E+04	1.03E+03
1.232	876.4	.442		5.03E+04	
1.257	867.3	.445		5.18E+04	
1.321	889.3	.454		5.16E+04	
1.384	950.1	.463		5.19E+04	
1.511	971.4	.481		4.96E+04	
1.562	912.6	.488		5.16E+04	
1.613	939.1	.495		5.14E+04	
1.689	975.1	.506		5.07E+04	
1.765	995.1	.517		5.01E+04	
1.816	988.0	.523		4.64E+04	
1.867	921.1	.530		4.88E+04	
1.918	945.4	.537		4.87E+04	

INEL POST-CHF EXPERIMENT NO. 66

POINT SERIAL NO. 3066.090 (TIME= 304.50 SEC)

LOOP PRESSURE(PE-3) 6.99 MPA
 FCV TEMPERATURE(TE-FCV-1T) 505.5 K
 LHP INLET ENTHALPY 1.002E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.23 K
 MASS FLUX 43.92 KG/SEC-M**2
 INLET QUALITY .240
 INLET ENTHALPY 1.143E+06 J/KG
 QUENCH FRONT:
 ELEVATION .703 M
 VELOCITY .0045 M/SEC
 QUALITY .347
 NET LHP POWER TO FLUID 1190.9 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION	DZQF TV	XE	XA
(M)	(M) (K)		
1.841	1.139 709.4	.526	.410

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		HEAT FLUX W/M**2	HEAT LOSS W/M**2
ELEVATION	TEMP	XE			
(M)	(K)				
.013	465.9	.241		4.84E+04	
.051	443.2	.246		4.83E+04	
.063	437.5	.248		4.82E+04	
.089	446.6	.251		4.86E+04	
.114	437.2	.255		4.82E+04	
.140	432.3	.258		4.81E+04	
.165	435.3	.262		4.81E+04	
.317	435.0	.282		4.84E+04	
.394	440.9	.292		4.89E+04	
.470	463.5	.303		5.09E+04	
.546	475.8	.314		5.52E+04	
.622	489.2	.327		7.38E+04	
.698	683.5	.346		1.05E+05	
.775	831.6	.367		9.16E+04	
.851	901.8	.383		6.42E+04	
.927	926.4	.396		5.94E+04	
1.003	937.8	.408		5.73E+04	
1.067	913.8	.418		5.38E+04	8.81E+02
1.156	936.7	.431		5.26E+04	1.03E+03
1.232	876.4	.442		5.03E+04	
1.257	867.3	.445		5.18E+04	
1.321	889.3	.454		5.16E+04	
1.384	950.1	.463		5.19E+04	
1.511	971.4	.481		4.96E+04	
1.562	912.6	.488		5.16E+04	
1.613	939.1	.495		5.14E+04	
1.689	975.1	.506		5.07E+04	
1.765	995.1	.517		5.01E+04	
1.816	988.0	.523		4.64E+04	
1.867	921.1	.530		4.88E+04	
1.918	945.4	.537		4.87E+04	

H-77

INEL POST-CHF EXPERIMENT NO. 66

POINT SERIAL NO. 2066.100 (TIME= 320.50 SEC)

LOOP PRESSURE(PE-3) 7.01 MPA
 FCV TEMPERATURE(TE-FCV-1T) 505.4 K
 LHP INLET ENTHALPY 1.002E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.15 K
 MASS FLUX 43.86 KG/SEC-M**2
 INLET QUALITY .240
 INLET ENTHALPY 1.143E+06 J/KG
 QUENCH FRONT:
 ELEVATION .775 M
 VELOCITY .0045 M/SEC
 QUALITY .364
 NET LHP POWER TO FLUID 1192.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.762	652.6	.495	.403

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	465.4	.242	5.08E+04	
.051	442.5	.247	5.07E+04	
.063	437.0	.249	5.06E+04	
.089	445.5	.252	5.10E+04	
.114	436.5	.256	5.06E+04	
.140	432.0	.259	5.05E+04	
.165	434.8	.263	5.06E+04	
.317	434.1	.284	5.08E+04	
.394	439.0	.295	5.12E+04	
.470	458.6	.306	5.24E+04	
.546	464.2	.317	5.46E+04	
.622	451.1	.329	5.50E+04	
.698	538.2	.344	9.04E+04	
.775	687.6	.364	1.01E+05	
.851	847.3	.384	9.06E+04	
.927	905.9	.400	6.58E+04	
1.003	922.4	.414	6.20E+04	
1.067	903.7	.424	5.78E+04	3.14E+02
1.156	928.2	.438	5.65E+04	3.02E+02
1.232	869.2	.450	5.28E+04	
1.257	861.9	.454	5.55E+04	
1.321	885.1	.463	5.47E+04	
1.384	945.5	.473	5.48E+04	
1.511	967.8	.491	5.22E+04	
1.562	909.0	.499	5.41E+04	
1.613	935.7	.506	5.40E+04	
1.689	972.8	.518	5.34E+04	
1.765	993.8	.529	5.26E+04	
1.816	987.7	.536	4.88E+04	
1.867	922.1	.543	5.15E+04	
1.918	946.3	.550	5.14E+04	

INEL POST-CHF EXPERIMENT NO. 66

POINT SERIAL NO. 3066.100 (TIME= 320.50 SEC)

LOOP PRESSURE(PE-3) 7.01 MPA
 FCV TEMPERATURE(TE-FCV-1T) 505.4 K
 LHP INLET ENTHALPY 1.002E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.15 K
 MASS FLUX 43.86 KG/SEC-M**2
 INLET QUALITY .240
 INLET ENTHALPY 1.143E+06 J/KG
 QUENCH FRONT:
 ELEVATION .775 M
 VELOCITY .0045 M/SEC
 QUALITY .364
 NET LHP POWER TO FLUID 1192.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.067	703.9	.539	.421

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	465.4	.242	5.08E+04	
.051	442.5	.247	5.07E+04	
.063	437.0	.249	5.06E+04	
.089	445.5	.252	5.10E+04	
.114	436.5	.256	5.06E+04	
.140	432.0	.259	5.05E+04	
.165	434.8	.263	5.06E+04	
.317	434.1	.284	5.08E+04	
.394	439.0	.295	5.12E+04	
.470	458.6	.306	5.24E+04	
.546	464.2	.317	5.46E+04	
.622	451.1	.329	5.50E+04	
.698	538.2	.344	9.04E+04	
.775	687.6	.364	1.01E+05	
.851	847.3	.384	9.06E+04	
.927	905.9	.400	6.58E+04	
1.003	922.4	.414	6.20E+04	
1.067	903.7	.424	5.78E+04	3.14E+02
1.156	928.2	.438	5.65E+04	3.02E+02
1.232	869.2	.450	5.28E+04	
1.257	861.9	.454	5.55E+04	
1.321	885.1	.463	5.47E+04	
1.384	945.5	.473	5.48E+04	
1.511	967.8	.491	5.22E+04	
1.562	909.0	.499	5.41E+04	
1.613	935.7	.506	5.40E+04	
1.689	972.8	.518	5.34E+04	
1.765	993.8	.529	5.26E+04	
1.816	987.7	.536	4.88E+04	
1.867	922.1	.543	5.15E+04	
1.918	946.3	.550	5.14E+04	

INEL POST-CHF EXPERIMENT NO. 66

POINT SERIAL NO. 2066.110 (TIME= 335.50 SEC)

LOOP PRESSURE(PE-3) 7.00 MPA
 FCV TEMPERATURE(TE-FCV-1T) 505.3 K
 LHP INLET ENTHALPY 1.001E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.30 K
 MASS FLUX 43.52 KG/SEC-M**2
 INLET QUALITY .240
 INLET ENTHALPY 1.143E+06 J/KG
 QUENCH FRONT:
 ELEVATION .841 M
 VELOCITY .0044 M/SEC
 QUALITY .379
 NET LHP POWER TO FLUID 1192.2 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.695	634.9	.504	.416

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	464.9	.242	5.32E+04	
.051	441.8	.247	5.30E+04	
.063	436.7	.249	5.29E+04	
.089	444.5	.253	5.32E+04	
.114	435.7	.257	5.32E+04	
.140	431.9	.260	5.28E+04	
.165	434.5	.264	5.29E+04	
.317	433.4	.286	5.29E+04	
.394	437.4	.298	5.35E+04	
.470	455.1	.309	5.44E+04	
.546	457.4	.321	5.56E+04	
.622	444.7	.332	5.51E+04	
.698	482.4	.345	6.22E+04	
.775	536.2	.361	9.07E+04	
.851	747.2	.381	1.01E+05	
.927	872.2	.401	8.85E+04	
1.003	903.4	.418	6.80E+04	
1.067	892.3	.429	6.23E+04	
1.156	919.2	.444	6.02E+04	
1.232	862.4	.457	5.52E+04	
1.257	856.0	.461	5.83E+04	
1.321	880.7	.471	5.73E+04	
1.384	940.9	.481	5.73E+04	
1.511	964.3	.501	5.47E+04	
1.562	905.7	.508	5.64E+04	
1.613	932.6	.516	5.62E+04	
1.689	970.5	.528	5.58E+04	
1.765	992.6	.540	5.51E+04	
1.816	987.3	.547	5.11E+04	
1.867	922.8	.555	5.42E+04	
1.918	947.2	.562	5.40E+04	

INEL POST-CHF EXPERIMENT NO. 66

POINT SERIAL NO. 3066.110 (TIME= 335.50 SEC)

LOOP PRESSURE(PE-3) 7.00 MPA
 FCV TEMPERATURE(TE-FCV-1T) 505.3 K
 LHP INLET ENTHALPY 1.001E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.30 K
 MASS FLUX 43.52 KG/SEC-M**2
 INLET QUALITY .240
 INLET ENTHALPY 1.143E+06 J/KG
 QUENCH FRONT:
 ELEVATION .841 M
 VELOCITY .0044 M/SEC
 QUALITY .379
 NET LHP POWER TO FLUID 1192.2 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.000	686.5	.551	.437

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	464.9	.242	5.32E+04	
.051	441.8	.247	5.30E+04	
.063	436.7	.249	5.29E+04	
.089	444.5	.253	5.32E+04	
.114	435.7	.257	5.32E+04	
.140	431.9	.260	5.28E+04	
.165	434.5	.264	5.29E+04	
.317	433.4	.286	5.29E+04	
.394	437.4	.298	5.35E+04	
.470	455.1	.309	5.44E+04	
.546	457.4	.321	5.56E+04	
.622	444.7	.332	5.51E+04	
.698	482.4	.345	6.22E+04	
.775	536.2	.361	9.07E+04	
.851	747.2	.381	1.01E+05	
.927	872.2	.401	8.85E+04	
1.003	903.4	.418	6.80E+04	
1.067	892.3	.429	6.23E+04	
1.156	919.2	.444	6.02E+04	
1.232	862.4	.457	5.52E+04	
1.257	856.0	.461	5.83E+04	
1.321	880.7	.471	5.73E+04	
1.384	940.9	.481	5.73E+04	
1.511	964.3	.501	5.47E+04	
1.562	905.7	.508	5.64E+04	
1.613	932.6	.516	5.62E+04	
1.689	970.5	.528	5.58E+04	
1.765	992.6	.540	5.51E+04	
1.816	987.3	.547	5.11E+04	
1.867	922.8	.555	5.42E+04	
1.918	947.2	.562	5.40E+04	

INEL POST-CHF EXPERIMENT NO. 66

POINT SERIAL NO. 2066.120 (TIME= 349.50 SEC)

LOOP PRESSURE(PE-3) 7.01 MPA
 FCV TEMPERATURE(TE-FCV-11) 505.3 K
 LHP INLET ENTHALPY 1.001E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.37 K
 MASS FLUX 43.25 KG/SEC-M**2
 INLET QUALITY .240
 INLET ENTHALPY 1.143E+06 J/KG
 QUENCH FRONT:
 ELEVATION .902 M
 VELOCITY .0043 M/SEC
 QUALITY .393
 NET LHP POWER TO FLUID 1191.8 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.634	621.5	.513	.428

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	464.4	.242	5.52E+04	
.051	441.3	.248	5.51E+04	
.063	436.2	.250	5.50E+04	
.089	443.5	.254	5.53E+04	
.114	435.2	.257	5.48E+04	
.140	431.8	.261	5.47E+04	
.165	434.2	.265	5.48E+04	
.317	432.7	.289	5.51E+04	
.394	436.0	.300	5.55E+04	
.470	452.0	.312	5.64E+04	
.546	452.7	.324	5.70E+04	
.622	441.1	.336	5.62E+04	
.698	469.8	.348	5.98E+04	
.775	471.1	.362	6.36E+04	
.851	567.8	.379	9.70E+04	
.927	751.1	.400	1.04E+05	
1.003	877.4	.420	8.81E+04	
1.067	878.3	.434	6.70E+04	
1.156	909.5	.450	6.33E+04	
1.232	855.6	.463	5.77E+04	
1.257	849.4	.467	6.14E+04	
1.321	876.1	.478	5.99E+04	
1.384	936.2	.489	5.99E+04	
1.511	960.8	.509	5.71E+04	
1.562	903.1	.517	5.85E+04	
1.613	930.3	.526	5.82E+04	
1.689	968.5	.538	5.78E+04	
1.765	991.5	.550	5.72E+04	
1.816	987.0	.558	5.32E+04	
1.867	923.2	.566	5.66E+04	
1.918	947.6	.574	5.65E+04	

INEL POST-CHF EXPERIMENT NO. 66

POINT SERIAL NO. 3066.120 (TIME= 349.50 SEC)

LOOP PRESSURE(PE-3) 7.01 MPA
 FCV TEMPERATURE(TE-FCV-11) 505.3 K
 LHP INLET ENTHALPY 1.001E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.37 K
 MASS FLUX 43.25 KG/SEC-M**2
 INLET QUALITY .240
 INLET ENTHALPY 1.143E+06 J/KG
 QUENCH FRONT:
 ELEVATION .902 M
 VELOCITY .0043 M/SEC
 QUALITY .393
 NET LHP POWER TO FLUID 1191.8 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	.939	684.3	.562	.446

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	464.4	.242	5.52E+04	
.051	441.3	.248	5.51E+04	
.063	436.2	.250	5.50E+04	
.089	443.5	.254	5.53E+04	
.114	435.2	.257	5.48E+04	
.140	431.8	.261	5.47E+04	
.165	434.2	.265	5.48E+04	
.317	432.7	.289	5.51E+04	
.394	436.0	.300	5.55E+04	
.470	452.0	.312	5.64E+04	
.546	452.7	.324	5.70E+04	
.622	441.1	.336	5.62E+04	
.698	469.8	.348	5.98E+04	
.775	471.1	.362	6.36E+04	
.851	567.8	.379	9.70E+04	
.927	751.1	.400	1.04E+05	
1.003	877.4	.420	8.81E+04	
1.067	878.3	.434	6.70E+04	
1.156	909.5	.450	6.33E+04	
1.232	855.6	.463	5.77E+04	
1.257	849.4	.467	6.14E+04	
1.321	876.1	.478	5.99E+04	
1.384	936.2	.489	5.99E+04	
1.511	960.8	.509	5.71E+04	
1.562	903.1	.517	5.85E+04	
1.613	930.3	.526	5.82E+04	
1.689	968.5	.538	5.78E+04	
1.765	991.5	.550	5.72E+04	
1.816	987.0	.558	5.32E+04	
1.867	923.2	.566	5.66E+04	
1.918	947.6	.574	5.65E+04	

INEL POST-CHF EXPERIMENT NO. 66

POINT SERIAL NO. 3066.140 (TIME= 385.50 SEC)

LOOP PRESSURE(PE-3) 6.99 MPA
 FCV TEMPERATURE(TE-FCV-11) 505.3 K
 LHP INLET ENTHALPY 1.001E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.35 K
 MASS FLUX 42.49 KG/SEC-M**2
 INLET QUALITY .241
 INLET ENTHALPY 1.146E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.067 M
 VELOCITY .0049 M/SEC
 QUALITY .445
 NET LHP POWER TO FLUID 1192.6 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	.775	640.7	.603	.495

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	463.7	.243	6.21E+04	
.051	440.4	.250	6.19E+04	
.063	435.8	.252	6.18E+04	
.089	442.0	.257	6.21E+04	
.114	435.0	.261	6.18E+04	
.140	432.1	.266	6.16E+04	
.165	434.4	.270	6.17E+04	
.317	431.9	.297	6.17E+04	
.394	434.2	.310	6.20E+04	
.470	446.2	.324	6.27E+04	
.546	445.8	.337	6.28E+04	
.622	436.7	.351	6.23E+04	
.698	455.2	.364	6.38E+04	
.775	451.4	.378	6.41E+04	
.851	461.7	.392	6.57E+04	
.927	491.3	.407	7.22E+04	
1.003	533.0	.426	1.03E+05	
1.067	737.4	.445	1.11E+05	
1.156	860.3	.471	9.07E+04	
1.232	830.4	.488	6.90E+04	
1.257	824.4	.493	7.25E+04	
1.321	861.1	.506	6.85E+04	
1.384	921.9	.518	6.83E+04	
1.511	949.3	.542	6.50E+04	
1.562	896.1	.552	6.65E+04	
1.613	925.2	.561	6.56E+04	
1.689	963.8	.575	6.53E+04	
1.765	988.5	.590	6.48E+04	
1.816	985.6	.599	6.03E+04	
1.867	923.0	.608	6.41E+04	
1.918	948.4	.617	6.37E+04	

INEL POST-CHF EXPERIMENT NO. 66

POINT SERIAL NO. 3066.150 (TIME= 400.50 SEC)

LOOP PRESSURE(PE-3) 7.01 MPA
 FCV TEMPERATURE(TE-FCV-11) 505.1 K
 LHP INLET ENTHALPY 1.000E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.47 K
 MASS FLUX 42.40 KG/SEC-M**2
 INLET QUALITY .241
 INLET ENTHALPY 1.146E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.143 M
 VELOCITY .0054 M/SEC
 QUALITY .474
 NET LHP POWER TO FLUID 1191.9 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	.698	623.1	.624	.521

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	463.8	.243	6.67E+04	
.051	440.4	.250	6.64E+04	
.063	436.1	.253	6.64E+04	
.089	441.8	.258	6.64E+04	
.114	435.2	.262	6.63E+04	
.140	432.6	.267	6.61E+04	
.165	434.8	.272	6.62E+04	
.317	432.2	.301	6.60E+04	
.394	434.2	.315	6.63E+04	
.470	444.9	.330	6.69E+04	
.546	444.2	.344	6.69E+04	
.622	435.8	.359	6.65E+04	
.698	452.0	.373	6.75E+04	
.775	447.8	.388	6.76E+04	
.851	455.4	.403	6.87E+04	
.927	476.6	.418	7.14E+04	
1.003	449.6	.433	7.00E+04	
1.067	559.3	.449	1.07E+05	
1.156	830.3	.478	1.22E+05	
1.232	813.2	.500	7.95E+04	
1.257	808.8	.506	8.04E+04	
1.321	853.2	.520	7.41E+04	
1.384	914.7	.533	7.37E+04	
1.511	944.1	.559	6.93E+04	
1.562	891.7	.570	7.14E+04	
1.613	922.4	.580	7.03E+04	
1.689	961.4	.595	6.98E+04	
1.765	986.9	.610	6.93E+04	
1.816	984.8	.620	6.43E+04	
1.867	922.7	.629	6.84E+04	
1.918	948.8	.639	6.80E+04	

INEL POST-CHF EXPERIMENT NO. 66

POINT SERIAL NO. 3066.160 (TIME= 412.50 SEC)

LOOP PRESSURE(PE-3) 7.00 MPA
 FCV TEMPERATURE(TE-FCV-1T) 505.2 K
 LHP INLET ENTHALPY 1.001E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.49 K
 MASS FLUX 42.12 KG/SEC-M**2
 INLET QUALITY .241
 INLET ENTHALPY 1.146E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.215 M
 VELOCITY .0081 M/SEC
 QUALITY .505
 NET LHP POWER TO FLUID 1190.4 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	DZQF (M)	IV (K)	XE	XA
1.841	.627	604.5	.663	.561

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION			HEAT LOSS W/M**2
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2		
.013	463.9	.244	7.02E+04		
.051	440.7	.251	6.97E+04		
.063	436.2	.254	6.98E+04		
.089	441.9	.259	6.98E+04		
.114	435.2	.264	7.01E+04		
.140	433.2	.269	6.94E+04		
.165	435.2	.274	6.96E+04		
.317	432.4	.305	6.97E+04		
.394	434.3	.320	6.97E+04		
.470	444.4	.335	7.02E+04		
.546	443.7	.350	7.02E+04		
.622	435.9	.366	6.98E+04		
.698	450.5	.381	7.09E+04		
.775	446.4	.396	7.10E+04		
.851	452.9	.412	7.12E+04		
.927	471.3	.428	7.31E+04		
1.003	445.6	.444	7.20E+04		
1.067	525.2	.458	8.34E+04		
1.156	647.5	.484	1.22E+05		
1.232	775.4	.511	1.30E+05		
1.257	787.6	.523	1.94E+05		
1.321	844.1	.549	8.43E+04		
1.384	906.7	.564	8.23E+04		
1.511	939.0	.592	7.58E+04		
1.562	886.9	.604	7.82E+04		
1.613	919.4	.615	7.60E+04		
1.689	959.0	.631	7.51E+04		
1.765	985.1	.648	7.44E+04		
1.816	983.7	.658	6.93E+04		
1.867	922.1	.669	7.38E+04		
1.918	948.6	.679	7.32E+04		

INEL POST-CHF EXPERIMENT NO. 68

POINT SERIAL NO. 1068.010 (TIME= 360.50 SEC)

LOOP PRESSURE(PE-3) 6.99 MPA
 FCV TEMPERATURE(TE-FCV-1T) 492.8 K
 LHP INLET ENTHALPY 9.434E+05 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.82 K
 MASS FLUX 17.94 KG/SEC-M**2
 INLET QUALITY .287
 INLET ENTHALPY 1.242E+06 J/KG
 QUENCH FRONT:
 ELEVATION .140 M
 VELOCITY .0011 M/SEC
 QUALITY .307
 NET LHP POWER TO FLUID 1035.2 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	DZQF (M)	IV (K)	XE	XA
1.232	1.092	771.3	.469	.348

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION			HEAT LOSS W/M**2
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2		
.013	463.5	.289	1.91E+04		
.051	442.1	.294	1.94E+04		
.063	434.4	.296	1.89E+04		
.089	446.6	.299	1.97E+04		
.114	440.6	.302	2.10E+04		
.140	520.5	.307	3.84E+04		
.165	610.9	.314	3.38E+04		
.317	818.8	.342	2.20E+04		
.394	863.3	.354	2.23E+04		
.470	891.3	.365	2.21E+04		
.546	916.6	.376	2.19E+04		
.622	937.5	.387	2.18E+04		
.698	955.9	.399	2.17E+04		
.775	973.3	.410	2.16E+04		
.851	988.9	.421	2.14E+04		
.927	1001.2	.432	2.12E+04		
1.003	1004.4	.442	2.09E+04		
1.067	949.3	.451	1.84E+04		
1.156	977.8	.462	1.86E+04	1.45E+03	
1.232	948.9	.471	1.90E+04	2.67E+02	
1.257	955.7	.475	2.06E+04		
1.321	952.1	.484	2.00E+04		
1.384	1018.8	.492	2.01E+04		
1.511	1032.9	.509	1.89E+04		
1.562	1006.0	.515	1.96E+04		
1.613	1020.1	.522	1.96E+04		
1.689	1042.3	.532	1.94E+04		
1.765	1057.1	.542	1.92E+04		
1.816	1050.7	.543	1.78E+04		
1.867	1011.0	.555	1.89E+04		
1.918	1021.8	.561	1.87E+04		
1.994	87.3	.570	1.79E+04		

INEL POST-CHF EXPERIMENT NO. 68

POINT SERIAL NO. 2068.010 (TIME= 360.50 SEC)

LOOP PRESSURE(PE-3) 6.99 MPA
 FCV TEMPERATURE(TE-FCV-1T) 492.8 K
 LHP INLET ENTHALPY 9.434E+05 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.82 K
 MASS FLUX 17.94 KG/SEC-M**2
 INLET QUALITY .287
 INLET ENTHALPY 1.242E+06 J/KG
 QUENCH FRONT:
 ELEVATION .140 M
 VELOCITY .0011 M/SEC
 QUALITY .307
 NET LHP POWER TO FLUID 1035.2 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	1.397	858.2	.506	.352

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION			HEAT LOSS W/M**2
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2		
.013	463.5	.289	1.91E+04		
.051	442.1	.294	1.94E+04		
.063	434.4	.296	1.89E+04		
.089	446.6	.299	1.97E+04		
.114	440.6	.302	2.10E+04		
.140	520.5	.307	3.84E+04		
.165	610.9	.314	3.38E+04		
.317	818.8	.342	2.20E+04		
.394	863.3	.354	2.23E+04		
.470	891.3	.365	2.21E+04		
.546	916.6	.376	2.19E+04		
.622	937.5	.387	2.18E+04		
.698	955.5	.399	2.17E+04		
.775	973.3	.410	2.16E+04		
.851	988.9	.421	2.14E+04		
.927	1001.2	.432	2.12E+04		
1.003	1004.4	.442	2.09E+04		
1.067	949.3	.451	1.84E+04	1.45E+03	
1.156	977.8	.462	1.86E+04	9.67E+02	
1.232	948.9	.471	1.90E+04		
1.257	955.7	.475	2.06E+04		
1.321	952.1	.484	2.00E+04		
1.384	1018.8	.492	2.01E+04		
1.511	1032.9	.509	1.89E+04		
1.562	1006.0	.515	1.96E+04		
1.613	1020.1	.522	1.96E+04		
1.689	1042.3	.532	1.94E+04		
1.765	1057.1	.542	1.92E+04		
1.816	1050.7	.548	1.78E+04		
1.867	1011.0	.555	1.89E+04		
1.918	1021.8	.561	1.87E+04		
1.994	87.3	.570	1.79E+04		

INEL POST-CHF EXPERIMENT NO. 68

POINT SERIAL NO. 3068.010 (TIME= 360.50 SEC)

LOOP PRESSURE(PE-3) 6.99 MPA
 FCV TEMPERATURE(TE-FCV-1T) 492.8 K
 LHP INLET ENTHALPY 9.434E+05 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.82 K
 MASS FLUX 17.94 KG/SEC-M**2
 INLET QUALITY .287
 INLET ENTHALPY 1.242E+06 J/KG
 QUENCH FRONT:
 ELEVATION .140 M
 VELOCITY .0011 M/SEC
 QUALITY .307
 NET LHP POWER TO FLUID 1035.2 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.702	917.9	.548	.365

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION			HEAT LOSS W/M**2
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2		
.013	463.5	.289	1.91E+04		
.051	442.1	.294	1.94E+04		
.063	434.4	.296	1.89E+04		
.089	446.6	.299	1.97E+04		
.114	440.6	.302	2.10E+04		
.140	520.5	.307	3.84E+04		
.165	610.9	.314	3.38E+04		
.317	818.8	.342	2.20E+04		
.394	863.3	.354	2.23E+04		
.470	891.3	.365	2.21E+04		
.546	916.6	.376	2.19E+04		
.622	937.5	.387	2.18E+04		
.698	955.5	.399	2.17E+04		
.775	973.3	.410	2.16E+04		
.851	988.9	.421	2.14E+04		
.927	1001.2	.432	2.12E+04		
1.003	1004.4	.442	2.09E+04		
1.067	949.3	.451	1.84E+04	1.45E+03	
1.156	977.8	.462	1.86E+04	9.67E+02	
1.232	948.9	.471	1.90E+04		
1.257	955.7	.475	2.06E+04		
1.321	952.1	.484	2.00E+04		
1.384	1018.8	.492	2.01E+04		
1.511	1032.9	.509	1.89E+04		
1.562	1006.0	.515	1.96E+04		
1.613	1020.1	.522	1.96E+04		
1.689	1042.3	.532	1.94E+04		
1.765	1057.1	.542	1.92E+04		
1.816	1050.7	.548	1.78E+04		
1.867	1011.0	.555	1.89E+04		
1.918	1021.8	.561	1.87E+04		
1.994	87.3	.570	1.79E+04		

INEL POST-CHF EXPERIMENT NO. 68

POINT SERIAL NO. 1068.020 (TIME= 453.50 SEC)

LOOP PRESSURE(PE-3) 6.98 MPA
 FCV TEMPERATURE(TE-FCV-1T) 494.3 K
 LHP INLET ENTHALPY 9.504E+05 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.83 K
 MASS FLUX 17.85 KG/SEC-M**2
 INLET QUALITY .291
 INLET ENTHALPY 1.250E+06 J/KG
 QUENCH FRONT:
 ELEVATION .246 M
 VELOCITY .0011 M/SEC
 QUALITY .328
 NET LHP POWER TO FLUID 1035.3 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.986	720.3	.469	.362

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	459.5	.293	1.91E+04	
.051	436.7	.298	1.91E+04	
.063	430.1	.299	1.90E+04	
.089	438.6	.303	1.92E+04	
.114	430.0	.306	1.93E+04	
.140	426.2	.309	1.89E+04	
.165	431.5	.313	2.53E+04	
.317	787.3	.341	2.96E+04	
.394	838.1	.355	2.22E+04	
.470	868.7	.366	2.18E+04	
.546	895.4	.377	2.16E+04	
.622	917.3	.388	2.14E+04	
.698	936.6	.399	2.14E+04	
.775	955.8	.410	2.12E+04	
.851	973.1	.421	2.11E+04	
.927	986.5	.432	2.09E+04	
1.003	992.3	.443	2.06E+04	
1.067	942.0	.451	1.84E+04	1.49E+03
1.156	969.6	.462	1.85E+04	1.32E+03
1.232	938.6	.472	1.95E+04	
1.257	943.8	.475	2.06E+04	
1.321	944.3	.484	2.04E+04	
1.384	1011.2	.493	2.03E+04	
1.511	1028.7	.510	1.91E+04	
1.562	1002.0	.516	1.95E+04	
1.613	1016.8	.523	1.96E+04	
1.689	1040.0	.533	1.94E+04	
1.765	1056.7	.543	1.92E+04	
1.816	1050.7	.550	1.80E+04	
1.867	1010.0	.556	1.94E+04	
1.918	1023.3	.563	1.91E+04	
1.994	89.0	.572	1.82E+04	

INEL POST-CHF EXPERIMENT NO. 68

POINT SERIAL NO. 2068.020 (TIME= 453.50 SEC)

LOOP PRESSURE(PE-3) 6.98 MPA
 FCV TEMPERATURE(TE-FCV-1T) 494.3 K
 LHP INLET ENTHALPY 9.504E+05 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.83 K
 MASS FLUX 17.85 KG/SEC-M**2
 INLET QUALITY .291
 INLET ENTHALPY 1.250E+06 J/KG
 QUENCH FRONT:
 ELEVATION .246 M
 VELOCITY .0011 M/SEC
 QUALITY .328
 NET LHP POWER TO FLUID 1035.3 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	1.291	828.6	.507	.360

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	459.5	.293	1.91E+04	
.051	436.7	.298	1.91E+04	
.063	430.1	.299	1.90E+04	
.089	438.6	.303	1.92E+04	
.114	430.0	.306	1.93E+04	
.140	426.2	.309	1.89E+04	
.165	431.5	.313	2.53E+04	
.317	787.3	.341	2.96E+04	
.394	838.1	.355	2.22E+04	
.470	868.7	.366	2.18E+04	
.546	895.4	.377	2.16E+04	
.622	917.3	.388	2.14E+04	
.698	936.6	.399	2.14E+04	
.775	955.8	.410	2.12E+04	
.851	973.1	.421	2.11E+04	
.927	986.5	.432	2.09E+04	
1.003	992.3	.443	2.06E+04	
1.067	942.0	.451	1.84E+04	1.49E+03
1.156	969.6	.462	1.85E+04	1.32E+03
1.232	938.6	.472	1.95E+04	
1.257	943.8	.475	2.06E+04	
1.321	944.3	.484	2.04E+04	
1.384	1011.2	.493	2.03E+04	
1.511	1028.7	.510	1.91E+04	
1.562	1002.0	.516	1.95E+04	
1.613	1016.8	.523	1.96E+04	
1.689	1040.0	.533	1.94E+04	
1.765	1056.7	.543	1.92E+04	
1.816	1050.7	.550	1.80E+04	
1.867	1010.0	.556	1.94E+04	
1.918	1023.3	.563	1.91E+04	
1.994	89.0	.572	1.82E+04	

H-84

INEL POST-CHF EXPERIMENT NO. 68

POINT SERIAL NO. 3068.020 (TIME= 453.50 SEC)

LOOP PRESSURE(PE-3) 6.98 MPA
 FCV TEMPERATURE(TE-FCV-11) 494.3 K
 LHP INLET ENTHALPY 9.504E+05 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.83 K
 MASS FLUX 17.85 KG/SEC-M**2
 INLET QUALITY .291
 INLET ENTHALPY 1.250E+06 J/KG
 QUENCH FRONT:
 ELEVATION .246 M
 VELOCITY .0011 M/SEC
 QUALITY .328
 NET LHP POWER TO FLUID 1035.3 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.596	909.1	.550	.368

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	459.5	.293	1.91E+04	
.051	436.7	.298	1.91E+04	
.063	430.1	.299	1.90E+04	
.089	438.6	.303	1.92E+04	
.114	430.0	.306	1.93E+04	
.140	426.2	.309	1.89E+04	
.165	431.5	.313	2.53E+04	
.317	787.3	.341	2.96E+04	
.394	838.1	.355	2.22E+04	
.470	868.7	.366	2.18E+04	
.546	895.4	.377	2.16E+04	
.622	917.3	.388	2.14E+04	
.698	936.6	.399	2.14E+04	
.775	955.8	.410	2.12E+04	
.851	973.1	.421	2.11E+04	
.927	986.5	.432	2.09E+04	
1.003	992.3	.443	2.06E+04	
1.067	942.0	.451	1.84E+04	1.49E+03
1.156	969.6	.462	1.85E+04	1.32E+03
1.232	938.6	.472	1.95E+04	
1.257	943.8	.475	2.06E+04	
1.321	944.3	.484	2.04E+04	
1.384	1011.2	.493	2.03E+04	
1.511	1028.7	.510	1.91E+04	
1.562	1002.0	.516	1.95E+04	
1.613	1016.8	.523	1.96E+04	
1.689	1040.0	.533	1.94E+04	
1.765	1056.7	.543	1.92E+04	
1.816	1050.7	.550	1.80E+04	
1.867	1010.0	.556	1.94E+04	
1.918	1023.3	.563	1.91E+04	
1.994	89.0	.572	1.82E+04	

INEL POST-CHF EXPERIMENT NO. 68

POINT SERIAL NO. 1068.030 (TIME= 515.50 SEC)

LOOP PRESSURE(PE-3) 6.98 MPA
 FCV TEMPERATURE(TE-FCV-11) 495.1 K
 LHP INLET ENTHALPY 9.540E+05 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.82 K
 MASS FLUX 17.68 KG/SEC-M**2
 INLET QUALITY .293
 INLET ENTHALPY 1.255E+06 J/KG
 QUENCH FRONT:
 ELEVATION .315 M
 VELOCITY .0011 M/SEC
 QUALITY .342
 NET LHP POWER TO FLUID 1035.2 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.917	709.5	.481	.374

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	458.8	.295	1.96E+04	
.051	435.1	.300	1.95E+04	
.063	429.6	.302	1.95E+04	
.089	436.9	.305	1.95E+04	
.114	428.3	.308	1.95E+04	
.140	425.9	.312	1.95E+04	
.165	428.8	.315	1.96E+04	
.317	643.2	.343	3.36E+04	
.394	810.7	.358	2.48E+04	
.470	848.2	.371	2.34E+04	
.546	877.4	.383	2.29E+04	
.622	900.2	.394	2.28E+04	
.698	921.5	.406	2.24E+04	
.775	941.4	.418	2.25E+04	
.851	959.8	.430	2.22E+04	
.927	974.4	.441	2.20E+04	
1.003	981.5	.452	2.17E+04	
1.067	935.4	.461	1.95E+04	1.34E+03
1.156	962.6	.473	1.96E+04	1.04E+03
1.232	931.2	.483	1.98E+04	
1.257	936.3	.487	2.10E+04	
1.321	938.3	.496	2.08E+04	
1.384	1005.5	.505	2.06E+04	
1.511	1025.8	.523	1.96E+04	
1.562	999.4	.529	2.06E+04	
1.613	1013.9	.537	2.05E+04	
1.689	1038.3	.547	2.01E+04	
1.765	1056.2	.558	1.99E+04	
1.816	1050.4	.564	1.87E+04	
1.867	1009.4	.571	2.01E+04	
1.918	1023.5	.578	2.00E+04	
1.994	89.6	.588	1.87E+04	

INEL POST-CHF EXPERIMENT NO. 68

POINT SERIAL NO. 2068.030 (TIME= 515.50 SEC)

LOOP PRESSURE(PE-3) 6.98 MPA
 FCV TEMPERATURE(TE-FCV-1T) 495.1 K
 LHP INLET ENTHALPY 9.540E+05 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.82 K
 MASS FLUX 17.68 KG/SEC-M**2
 INLET QUALITY .293
 INLET ENTHALPY 1.255E+06 J/KG
 QUENCH FRONT:
 ELEVATION .315 M
 VELOCITY .0011 M/SEC
 QUALITY .342
 NET LHP POWER TO FLUID 1035.2 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	OZQF (M)	TV (K)	XE	XA
1.537	1.221	813.5	.520	.374

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	458.8	.295	1.96E+04	
.051	435.1	.300	1.95E+04	
.063	429.6	.302	1.95E+04	
.089	436.9	.305	1.95E+04	
.114	428.3	.308	1.95E+04	
.140	425.9	.312	1.95E+04	
.165	428.8	.315	1.96E+04	
.317	643.2	.343	3.36E+04	
.394	810.7	.358	2.48E+04	
.470	848.2	.371	2.34E+04	
.546	877.4	.383	2.29E+04	
.622	900.2	.394	2.28E+04	
.698	921.5	.406	2.24E+04	
.775	941.4	.418	2.25E+04	
.851	959.8	.430	2.22E+04	
.927	974.4	.441	2.20E+04	
1.003	981.5	.452	2.17E+04	
1.067	935.4	.461	1.95E+04	1.34E+03
1.156	962.6	.473	1.96E+04	1.04E+03
1.232	931.2	.483	1.98E+04	
1.257	936.3	.487	2.10E+04	
1.321	938.3	.496	2.08E+04	
1.384	1005.5	.505	2.06E+04	
1.511	1025.8	.523	1.96E+04	
1.562	999.4	.529	2.06E+04	
1.613	1013.9	.537	2.05E+04	
1.689	1038.3	.547	2.01E+04	
1.765	1056.2	.558	1.99E+04	
1.816	1050.4	.564	1.87E+04	
1.867	1009.4	.571	2.01E+04	
1.918	1023.5	.578	2.00E+04	
1.994	89.6	.588	1.87E+04	

INEL POST-CHF EXPERIMENT NO. 68

POINT SERIAL NO. 3068.030 (TIME= 515.50 SEC)

LOOP PRESSURE(PE-3) 6.98 MPA
 FCV TEMPERATURE(TE-FCV-1T) 495.1 K
 LHP INLET ENTHALPY 9.540E+05 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.82 K
 MASS FLUX 17.68 KG/SEC-M**2
 INLET QUALITY .293
 INLET ENTHALPY 1.255E+06 J/KG
 QUENCH FRONT:
 ELEVATION .315 M
 VELOCITY .0011 M/SEC
 QUALITY .342
 NET LHP POWER TO FLUID 1035.2 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	OZQF (M)	TV (K)	XE	XA
1.841	1.526	884.0	.564	.385

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	458.8	.295	1.96E+04	
.051	435.1	.300	1.95E+04	
.063	429.6	.302	1.95E+04	
.089	436.9	.305	1.95E+04	
.114	428.3	.308	1.95E+04	
.140	425.9	.312	1.95E+04	
.165	428.8	.315	1.96E+04	
.317	643.2	.343	3.36E+04	
.394	810.7	.358	2.48E+04	
.470	848.2	.371	2.34E+04	
.546	877.4	.383	2.29E+04	
.622	900.2	.394	2.28E+04	
.698	921.5	.406	2.24E+04	
.775	941.4	.418	2.25E+04	
.851	959.8	.430	2.22E+04	
.927	974.4	.441	2.20E+04	
1.003	981.5	.452	2.17E+04	
1.067	935.4	.461	1.95E+04	1.34E+03
1.156	962.6	.473	1.96E+04	1.04E+03
1.232	931.2	.483	1.98E+04	
1.257	936.3	.487	2.10E+04	
1.321	938.3	.496	2.08E+04	
1.384	1005.5	.505	2.06E+04	
1.511	1025.8	.523	1.96E+04	
1.562	999.4	.529	2.06E+04	
1.613	1013.9	.537	2.05E+04	
1.689	1038.3	.547	2.01E+04	
1.765	1056.2	.558	1.99E+04	
1.816	1050.4	.564	1.87E+04	
1.867	1009.4	.571	2.01E+04	
1.918	1023.5	.578	2.00E+04	
1.994	89.6	.588	1.87E+04	

INEL POST-CHF EXPERIMENT NO. 68

POINT SERIAL NO. 1068.040 (TIME= 583.50 SEC)

LOOP PRESSURE(PE-3) 7.07 MPA
 FCV TEMPERATURE(TE-FCV-1T) 495.8 K
 LHP INLET ENTHALPY 9.570E+05 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.86 K
 MASS FLUX 17.84 KG/SEC-M**2
 INLET QUALITY .295
 INLET ENTHALPY 1.257E+06 J/KG
 QUENCH FRONT:
 ELEVATION .391 M
 VELOCITY .0011 M/SEC
 QUALITY .357
 NET LHP POWER TO FLUID 1035.2 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.841	684.4	.492	.390

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	458.0	.296	2.05E+04	
.051	433.9	.302	2.05E+04	
.063	428.4	.303	2.04E+04	
.089	435.1	.307	2.05E+04	
.114	426.8	.310	2.05E+04	
.140	425.1	.314	2.04E+04	
.165	427.3	.318	2.04E+04	
.317	429.1	.339	2.21E+04	
.394	687.5	.358	4.85E+04	
.470	820.9	.377	2.59E+04	
.546	857.4	.390	2.42E+04	
.622	882.9	.402	2.38E+04	
.698	906.1	.414	2.35E+04	
.775	926.4	.426	2.33E+04	
.851	945.7	.438	2.30E+04	
.927	962.2	.450	2.28E+04	
1.003	970.8	.462	2.28E+04	
1.067	928.3	.471	2.06E+04	1.21E+03
1.156	954.6	.484	2.07E+04	1.04E+03
1.232	923.1	.494	2.09E+04	
1.257	928.5	.498	2.24E+04	
1.321	932.1	.508	2.21E+04	
1.384	999.6	.517	2.21E+04	
1.511	1022.5	.536	2.08E+04	
1.562	995.9	.543	2.14E+04	
1.613	1010.8	.550	2.15E+04	
1.639	1036.2	.561	2.13E+04	
1.765	1055.7	.572	2.11E+04	
1.816	1050.3	.579	1.97E+04	
1.867	1009.1	.586	2.09E+04	
1.918	1024.1	.593	2.09E+04	
1.994	90.7	.604	1.98E+04	

INEL POST-CHF EXPERIMENT NO. 68

POINT SERIAL NO. 2068.040 (TIME= 584.50 SEC)

LOOP PRESSURE(PE-3) 7.07 MPA
 FCV TEMPERATURE(TE-FCV-1T) 495.8 K
 LHP INLET ENTHALPY 9.571E+05 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.84 K
 MASS FLUX 17.83 KG/SEC-M**2
 INLET QUALITY .295
 INLET ENTHALPY 1.257E+06 J/KG
 QUENCH FRONT:
 ELEVATION .392 M
 VELOCITY .0011 M/SEC
 QUALITY .357
 NET LHP POWER TO FLUID 1035.2 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	1.145	816.6	.533	.382

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	458.0	.296	2.05E+04	
.051	433.9	.302	2.05E+04	
.063	428.4	.303	2.04E+04	
.089	435.1	.307	2.05E+04	
.114	426.7	.311	2.04E+04	
.140	425.1	.314	2.04E+04	
.165	427.3	.318	2.04E+04	
.317	428.9	.339	2.17E+04	
.394	674.0	.357	4.84E+04	
.470	820.4	.377	2.60E+04	
.546	857.0	.390	2.43E+04	
.622	882.6	.402	2.38E+04	
.698	905.8	.414	2.36E+04	
.775	926.2	.426	2.33E+04	
.851	945.5	.438	2.31E+04	
.927	962.0	.450	2.29E+04	
1.003	970.6	.462	2.29E+04	
1.067	928.2	.471	2.07E+04	1.23E+03
1.156	954.5	.484	2.08E+04	1.03E+03
1.232	922.9	.495	2.10E+04	
1.257	928.4	.498	2.26E+04	
1.321	932.0	.508	2.22E+04	
1.384	999.5	.517	2.22E+04	
1.511	1022.4	.536	2.09E+04	
1.562	995.9	.543	2.16E+04	
1.613	1010.7	.551	2.17E+04	
1.639	1036.2	.562	2.15E+04	
1.765	1055.7	.573	2.13E+04	
1.816	1050.3	.580	1.99E+04	
1.867	1009.1	.587	2.11E+04	
1.918	1024.1	.594	2.11E+04	
1.994	90.7	.605	1.99E+04	

INEL POST-CHF EXPERIMENT NO. 68

POINT SERIAL NO. 3068.040 (TIME= 583.50 SEC)

LOOP PRESSURE(PE-3) 7.07 MPA
 FCV TEMPERATURE(TE-FCV-1T) 495.8 K
 LHP INLET ENTHALPY 9.570E+05 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.86 K
 MASS FLUX 17.84 KG/SEC-M**2
 INLET QUALITY .295
 INLET ENTHALPY 1.257E+06 J/KG
 QUENCH FRONT:
 ELEVATION .391 M
 VELOCITY .0011 M/SEC
 QUALITY .357
 NET LHP POWER TO FLUID 1035.2 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.451	881.5	.579	.396

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	458.0	.296	2.05E+04	
.051	433.9	.302	2.05E+04	
.063	428.4	.303	2.04E+04	
.089	435.1	.307	2.05E+04	
.114	426.8	.310	2.05E+04	
.140	425.1	.314	2.04E+04	
.165	427.3	.318	2.04E+04	
.317	429.1	.339	2.21E+04	
.394	687.5	.358	4.85E+04	
.470	820.9	.377	2.59E+04	
.546	857.4	.390	2.42E+04	
.622	852.9	.402	2.38E+04	
.698	906.1	.414	2.35E+04	
.775	926.4	.426	2.33E+04	
.851	945.7	.438	2.30E+04	
.927	962.2	.450	2.28E+04	
1.003	970.8	.462	2.28E+04	
1.067	928.3	.471	2.06E+04	1.21E+03
1.156	954.6	.484	2.07E+04	1.04E+03
1.232	923.1	.494	2.09E+04	
1.257	928.5	.498	2.24E+04	
1.321	932.1	.508	2.21E+04	
1.384	999.6	.517	2.21E+04	
1.511	1022.5	.536	2.08E+04	
1.562	995.9	.543	2.14E+04	
1.613	1070.8	.550	2.15E+04	
1.689	1036.2	.561	2.13E+04	
1.765	1055.7	.572	2.11E+04	
1.816	1050.3	.579	1.97E+04	
1.867	1009.1	.586	2.09E+04	
1.918	1024.1	.593	2.09E+04	
1.994	90.7	.604	1.98E+04	

INEL POST-CHF EXPERIMENT NO. 68

POINT SERIAL NO. 1068.050 (TIME= 657.50 SEC)

LOOP PRESSURE(PE-3) 7.01 MPA
 FCV TEMPERATURE(TE-FCV-1T) 496.2 K
 LHP INLET ENTHALPY 9.592E+05 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.93 K
 MASS FLUX 17.74 KG/SEC-M**2
 INLET QUALITY .296
 INLET ENTHALPY 1.260E+06 J/KG
 QUENCH FRONT:
 ELEVATION .473 M
 VELOCITY .0011 M/SEC
 QUALITY .373
 NET LHP POWER TO FLUID 1035.2 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.759	662.1	.502	.405

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	457.6	.298	2.26E+04	
.051	433.1	.304	2.25E+04	
.063	428.0	.306	2.25E+04	
.089	434.1	.310	2.25E+04	
.114	426.3	.314	2.25E+04	
.140	425.3	.317	2.24E+04	
.165	427.1	.321	2.25E+04	
.317	426.1	.345	2.26E+04	
.394	431.7	.357	2.34E+04	
.470	557.6	.372	3.53E+04	
.546	822.0	.389	2.93E+04	
.622	858.0	.403	2.66E+04	
.698	886.2	.417	2.56E+04	
.775	908.9	.430	2.53E+04	
.851	929.6	.443	2.51E+04	
.927	946.8	.456	2.51E+04	
1.003	956.7	.469	2.48E+04	
1.067	918.8	.479	2.27E+04	1.26E+03
1.156	944.9	.493	2.29E+04	1.04E+03
1.232	913.9	.505	2.29E+04	
1.257	919.6	.509	2.43E+04	
1.321	925.2	.519	2.40E+04	
1.384	992.6	.530	2.40E+04	
1.511	1017.6	.550	2.29E+04	
1.562	991.8	.558	2.38E+04	
1.613	1006.5	.566	2.36E+04	
1.689	1033.5	.578	2.34E+04	
1.765	1054.6	.590	2.31E+04	
1.816	1049.9	.598	2.16E+04	
1.867	1008.6	.606	2.33E+04	
1.918	1023.7	.614	2.31E+04	
1.994	90.9	.626	2.18E+04	

INEL POST-CHF EXPERIMENT NO. 68

POINT SERIAL NO. 2068.050 (TIME= 655.50 SEC)

LOOP PRESSURE(PE-3) 7.01 MPA
 FCV TEMPERATURE(TE-FCV-1T) 496.2 K
 LHP INLET ENTHALPY 9.591E+05 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.95 K
 MASS FLUX 17.74 KG/SEC-M**2
 INLET QUALITY .296
 INLET ENTHALPY 1.260E+06 J/KG
 QUENCH FRONT:
 ELEVATION .471 M
 VELOCITY .0011 M/SEC
 QUALITY .372
 NET LHP POWER TO FLUID 1035.2 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	1.066	791.2	.546	.399

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	457.6	.298	2.25E+04	
.051	433.1	.304	2.24E+04	
.063	428.0	.306	2.25E+04	
.089	434.1	.310	2.25E+04	
.114	426.3	.313	2.25E+04	
.140	425.3	.317	2.24E+04	
.165	427.2	.321	2.25E+04	
.317	426.2	.345	2.26E+04	
.394	432.0	.357	2.35E+04	
.470	583.2	.372	3.53E+04	
.546	823.3	.389	2.91E+04	
.622	858.8	.403	2.66E+04	
.698	886.7	.416	2.55E+04	
.775	909.4	.430	2.52E+04	
.851	930.0	.443	2.50E+04	
.927	947.2	.456	2.50E+04	
1.003	957.1	.469	2.48E+04	
1.067	919.0	.479	2.27E+04	1.22E+03
1.156	945.2	.493	2.28E+04	9.95E+02
1.232	914.1	.504	2.27E+04	
1.257	919.9	.508	2.42E+04	
1.321	925.4	.519	2.39E+04	
1.384	992.7	.529	2.39E+04	
1.511	1017.7	.549	2.28E+04	
1.562	991.9	.557	2.38E+04	
1.613	1006.7	.566	2.37E+04	
1.689	1033.6	.578	2.33E+04	
1.765	1054.6	.590	2.31E+04	
1.816	1049.9	.598	2.17E+04	
1.867	1008.7	.605	2.33E+04	
1.918	1023.7	.613	2.31E+04	
1.994	90.9	.625	2.18E+04	

INEL POST-CHF EXPERIMENT NO. 68

POINT SERIAL NO. 3068.050 (TIME= 654.50 SEC)

LOOP PRESSURE(PE-3) 7.01 MPA
 FCV TEMPERATURE(TE-FCV-1T) 496.2 K
 LHP INLET ENTHALPY 9.591E+05 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.95 K
 MASS FLUX 17.72 KG/SEC-M**2
 INLET QUALITY .296
 INLET ENTHALPY 1.260E+06 J/KG
 QUENCH FRONT:
 ELEVATION .470 M
 VELOCITY .0011 M/SEC
 QUALITY .372
 NET LHP POWER TO FLUID 1035.2 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.372	860.6	.597	.414

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	457.6	.298	2.25E+04	
.051	433.1	.304	2.24E+04	
.063	428.1	.306	2.24E+04	
.089	434.2	.310	2.25E+04	
.114	426.3	.313	2.25E+04	
.140	425.3	.317	2.24E+04	
.165	427.2	.321	2.24E+04	
.317	426.3	.345	2.25E+04	
.394	432.2	.356	2.36E+04	
.470	593.9	.372	3.53E+04	
.546	824.0	.388	2.90E+04	
.622	859.2	.403	2.66E+04	
.698	886.9	.416	2.54E+04	
.775	909.6	.429	2.51E+04	
.851	930.2	.442	2.50E+04	
.927	947.4	.455	2.52E+04	
1.003	957.3	.468	2.48E+04	
1.067	919.1	.479	2.27E+04	1.18E+03
1.156	945.3	.492	2.28E+04	9.37E+02
1.232	914.2	.504	2.27E+04	
1.257	920.0	.508	2.41E+04	
1.321	925.5	.519	2.39E+04	
1.384	992.8	.529	2.38E+04	
1.511	1017.8	.549	2.27E+04	
1.562	992.0	.557	2.37E+04	
1.613	1006.7	.565	2.35E+04	
1.689	1033.6	.577	2.32E+04	
1.765	1054.6	.589	2.30E+04	
1.816	1049.9	.597	2.15E+04	
1.867	1008.7	.605	2.32E+04	
1.918	1023.7	.613	2.30E+04	
1.994	90.9	.624	2.16E+04	

INEL POST-CHF EXPERIMENT NO. 68

POINT SERIAL NO. 1068.060 (TIME= 718.50 SEC)

LOOP PRESSURE(PE-3) 7.07 MPA
 FCV TEMPERATURE(TE-FCV-1T) 496.4 K
 LHP INLET ENTHALPY 9.599E+05 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.97 K
 MASS FLUX 17.84 KG/SEC-M**2
 INLET QUALITY .296
 INLET ENTHALPY 1.261E+06 J/KG
 QUENCH FRONT:
 ELEVATION .543 M
 VELOCITY .0012 M/SEC
 QUALITY .386
 NET LHP POWER TO FLUID 1035.6 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.689	632.4	.506	.419

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	457.4	.298	2.31E+04	
.051	432.8	.304	2.30E+04	
.063	427.9	.306	2.29E+04	
.089	433.6	.310	2.30E+04	
.114	426.1	.314	2.27E+04	
.140	425.3	.318	2.30E+04	
.165	426.7	.322	2.29E+04	
.317	425.3	.346	2.29E+04	
.394	427.2	.357	2.31E+04	
.470	445.6	.370	2.51E+04	
.546	601.1	.387	4.10E+04	
.622	830.3	.405	2.92E+04	
.698	869.3	.419	2.68E+04	
.775	896.1	.433	2.60E+04	
.851	918.6	.446	2.55E+04	
.927	936.3	.459	2.53E+04	
1.003	947.4	.473	2.52E+04	
1.067	912.4	.483	2.34E+04	1.20E+03
1.156	937.9	.497	2.36E+04	8.68E+02
1.232	906.3	.509	2.35E+04	
1.257	912.1	.513	2.52E+04	
1.321	919.6	.524	2.48E+04	
1.384	986.6	.535	2.48E+04	
1.511	1013.4	.556	2.36E+04	
1.562	987.7	.564	2.45E+04	
1.613	1003.2	.572	2.44E+04	
1.689	1031.5	.585	2.41E+04	
1.765	1054.0	.597	2.39E+04	
1.816	1049.7	.605	2.24E+04	
1.867	1008.1	.613	2.38E+04	
1.918	1024.2	.621	2.37E+04	
1.994	91.8	.633	2.24E+04	

INEL POST-CHF EXPERIMENT NO. 68

POINT SERIAL NO. 2068.060 (TIME= 718.50 SEC)

LOOP PRESSURE(PE-3) 7.07 MPA
 FCV TEMPERATURE(TE-FCV-1T) 496.4 K
 LHP INLET ENTHALPY 9.599E+05 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.97 K
 MASS FLUX 17.84 KG/SEC-M**2
 INLET QUALITY .296
 INLET ENTHALPY 1.261E+06 J/KG
 QUENCH FRONT:
 ELEVATION .543 M
 VELOCITY .0012 M/SEC
 QUALITY .386
 NET LHP POWER TO FLUID 1035.6 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.994	771.2	.553	.410

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	457.4	.298	2.31E+04	
.051	432.8	.304	2.30E+04	
.063	427.9	.306	2.29E+04	
.089	433.6	.310	2.30E+04	
.114	426.1	.314	2.27E+04	
.140	425.3	.318	2.30E+04	
.165	426.7	.322	2.29E+04	
.317	425.3	.346	2.29E+04	
.394	427.2	.357	2.31E+04	
.470	445.6	.370	2.51E+04	
.546	601.1	.387	4.10E+04	
.622	830.3	.405	2.92E+04	
.698	869.3	.419	2.68E+04	
.775	896.1	.433	2.60E+04	
.851	918.6	.446	2.55E+04	
.927	936.3	.459	2.53E+04	
1.003	947.4	.473	2.52E+04	
1.067	912.4	.483	2.34E+04	1.20E+03
1.156	937.9	.497	2.36E+04	8.68E+02
1.232	906.3	.509	2.35E+04	
1.257	912.1	.513	2.52E+04	
1.321	919.6	.524	2.48E+04	
1.384	986.6	.535	2.48E+04	
1.511	1013.4	.556	2.36E+04	
1.562	987.7	.564	2.45E+04	
1.613	1003.2	.572	2.44E+04	
1.689	1031.5	.585	2.41E+04	
1.765	1054.0	.597	2.39E+04	
1.816	1049.7	.605	2.24E+04	
1.867	1008.1	.613	2.38E+04	
1.918	1024.2	.621	2.37E+04	
1.994	91.8	.633	2.24E+04	

INEL POST-CHF EXPERIMENT NO. 68

POINT SERIAL NO. 3068.060 (TIME= 717.50 SEC)

LOOP PRESSURE(PE-3) 7.07 MPA
 FCV TEMPERATURE(TE-FCV-1T) 496.4 K
 LHP INLET ENTHALPY 9.600E+05 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.95 K
 MASS FLUX 17.84 KG/SEC-M**2
 INLET QUALITY .296
 INLET ENTHALPY 1.261E+06 J/KG
 QUENCH FRONT:
 ELEVATION .542 M
 VELOCITY .0012 M/SEC
 QUALITY .386
 NET LHP POWER TO FLUID 1035.5 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TV (K)	XE	XA
1.841	1.300	842.9	.607 .427

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	457.4	.298	2.31E+04	
.051	432.8	.304	2.30E+04	
.063	427.9	.306	2.29E+04	
.089	433.6	.310	2.30E+04	
.114	426.1	.314	2.28E+04	
.140	425.3	.318	2.30E+04	
.165	426.8	.322	2.29E+04	
.317	425.3	.346	2.28E+04	
.394	427.2	.357	2.31E+04	
.470	446.0	.370	2.52E+04	
.546	615.6	.387	4.08E+04	
.622	830.9	.405	2.91E+04	
.698	869.7	.419	2.66E+04	
.775	896.3	.433	2.59E+04	
.851	918.8	.446	2.54E+04	
.927	936.5	.459	2.53E+04	
1.003	947.6	.472	2.52E+04	
1.067	912.5	.482	2.29E+04	1.51E+03
1.156	938.0	.496	2.26E+04	1.59E+03
1.232	906.4	.508	2.34E+04	
1.257	912.3	.512	2.51E+04	
1.321	919.7	.523	2.48E+04	
1.384	986.7	.534	2.48E+04	
1.511	1013.5	.554	2.35E+04	
1.562	987.8	.563	2.44E+04	
1.613	1003.2	.571	2.43E+04	
1.689	1031.5	.583	2.41E+04	
1.765	1054.0	.596	2.38E+04	
1.816	1049.7	.604	2.23E+04	
1.867	1008.1	.612	2.37E+04	
1.918	1024.2	.620	2.36E+04	
1.994	91.8	.632	2.23E+04	

INEL POST-CHF EXPERIMENT NO. 68

POINT SERIAL NO. 1068.070 (TIME= 794.50 SEC)

LOOP PRESSURE(PE-3) 6.99 MPA
 FCV TEMPERATURE(TE-FCV-1T) 493.7 K
 LHP INLET ENTHALPY 9.475E+05 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.90 K
 MASS FLUX 17.80 KG/SEC-M**2
 INLET QUALITY .290
 INLET ENTHALPY 1.248E+06 J/KG
 QUENCH FRONT:
 ELEVATION .625 M
 VELOCITY .0010 M/SEC
 QUALITY .399
 NET LHP POWER TO FLUID 1035.6 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.606	603.7	.512	.438

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	456.9	.292	2.46E+04	
.051	432.2	.299	2.45E+04	
.063	427.5	.301	2.45E+04	
.089	432.8	.305	2.46E+04	
.114	425.9	.309	2.44E+04	
.140	425.0	.313	2.44E+04	
.165	426.3	.317	2.45E+04	
.317	424.9	.343	2.44E+04	
.394	425.1	.355	2.45E+04	
.470	434.2	.368	2.50E+04	
.546	442.2	.381	2.64E+04	
.622	541.9	.398	3.86E+04	
.698	838.9	.416	2.99E+04	
.775	878.3	.431	2.77E+04	
.851	905.6	.445	2.68E+04	
.927	926.0	.458	2.64E+04	
1.003	938.9	.472	2.61E+04	
1.067	906.3	.483	2.60E+04	
1.156	931.0	.499	2.58E+04	
1.232	897.3	.512	2.49E+04	
1.257	902.9	.516	2.64E+04	
1.321	911.5	.528	2.63E+04	
1.384	978.3	.539	2.62E+04	
1.511	1008.1	.561	2.50E+04	
1.562	982.8	.570	2.59E+04	
1.613	999.0	.579	2.57E+04	
1.689	1028.7	.592	2.56E+04	
1.765	1053.2	.605	2.53E+04	
1.816	1049.4	.613	2.36E+04	
1.867	1007.7	.622	2.54E+04	
1.918	1025.0	.630	2.51E+04	
1.994	93.1	.643	2.38E+04	

16-H

INEL POST-CHF EXPERIMENT NO. 68

POINT SERIAL NO. 2068.070 (TIME= 792.50 SEC)

LOOP PRESSURE(PE-3) 7.00 MPA
 FCV TEMPERATURE(TE-FCV-1T) 493.8 K
 LHP INLET ENTHALPY 9.479E+05 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.90 K
 MASS FLUX 17.80 KG/SEC-M**2
 INLET QUALITY .290
 INLET ENTHALPY 1.248E+06 J/KG
 QUENCH FRONT:
 ELEVATION .623 M
 VELOCITY .0010 M/SEC
 QUALITY .398
 NET LHP POWER TO FLUID 1035.5 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.913	750.2	.565	.430

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	456.9	.292	2.45E+04	
.051	432.2	.299	2.44E+04	
.063	427.5	.301	2.43E+04	
.089	432.6	.305	2.44E+04	
.114	425.8	.309	2.42E+04	
.140	425.0	.313	2.42E+04	
.165	426.3	.318	2.42E+04	
.317	424.9	.343	2.43E+04	
.394	425.1	.355	2.42E+04	
.470	434.3	.368	2.49E+04	
.546	442.7	.381	2.65E+04	
.622	567.4	.398	3.85E+04	
.698	840.0	.415	2.92E+04	
.775	878.8	.430	2.76E+04	
.851	905.9	.444	2.68E+04	
.927	926.2	.458	2.64E+04	
1.003	939.1	.472	2.61E+04	
1.067	906.5	.483	2.59E+04	
1.156	931.1	.498	2.57E+04	
1.232	897.6	.511	2.48E+04	
1.257	903.1	.516	2.64E+04	
1.321	911.7	.527	2.63E+04	
1.384	978.5	.538	2.63E+04	
1.511	1008.2	.561	2.50E+04	
1.562	982.9	.569	2.59E+04	
1.613	999.1	.578	2.58E+04	
1.689	1028.8	.591	2.56E+04	
1.765	1053.2	.605	2.53E+04	
1.816	1049.4	.613	2.37E+04	
1.867	1007.8	.621	2.52E+04	
1.918	1025.0	.630	2.52E+04	
1.994	93.1	.643	2.37E+04	

INEL POST-CHF EXPERIMENT NO. 68

POINT SERIAL NO. 3068.070 (TIME= 791.50 SEC)

LOOP PRESSURE(PE-3) 7.00 MPA
 FCV TEMPERATURE(TE-FCV-1T) 493.8 K
 LHP INLET ENTHALPY 9.480E+05 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.90 K
 MASS FLUX 17.79 KG/SEC-M**2
 INLET QUALITY .290
 INLET ENTHALPY 1.248E+06 J/KG
 QUENCH FRONT:
 ELEVATION .622 M
 VELOCITY .0010 M/SEC
 QUALITY .398
 NET LHP POWER TO FLUID 1035.5 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.219	830.9	.617	.441

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	457.0	.293	2.44E+04	
.051	432.2	.299	2.44E+04	
.063	427.5	.301	2.43E+04	
.089	432.8	.305	2.44E+04	
.114	425.8	.309	2.42E+04	
.140	425.0	.314	2.42E+04	
.165	426.3	.318	2.43E+04	
.317	424.8	.343	2.42E+04	
.394	425.1	.355	2.41E+04	
.470	434.4	.368	2.49E+04	
.546	443.0	.381	2.67E+04	
.622	582.6	.398	3.85E+04	
.698	840.5	.416	2.98E+04	
.775	879.1	.431	2.76E+04	
.851	906.0	.445	2.68E+04	
.927	926.4	.458	2.64E+04	
1.003	939.2	.472	2.62E+04	
1.067	906.6	.483	2.59E+04	
1.156	931.2	.499	2.57E+04	
1.232	897.7	.512	2.47E+04	
1.257	903.3	.516	2.65E+04	
1.321	911.9	.527	2.63E+04	
1.384	978.6	.539	2.63E+04	
1.511	1008.3	.561	2.50E+04	
1.562	983.0	.570	2.59E+04	
1.613	999.2	.578	2.58E+04	
1.689	1028.9	.592	2.56E+04	
1.765	1053.3	.605	2.52E+04	
1.816	1049.5	.613	2.36E+04	
1.867	1007.8	.622	2.52E+04	
1.918	1025.1	.630	2.51E+04	
1.994	93.1	.643	2.36E+04	

INEL POST-CHF EXPERIMENT NO. 68

POINT SERIAL NO. 1068.080 (TIME= 863.50 SEC)

LOOP PRESSURE(PE-3) 7.04 MPA
 FCV TEMPERATURE(TE-FCV-1T) 485.8 K
 LHP INLET ENTHALPY 9.116E+05 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.02 K
 MASS FLUX 18.40 KG/SEC-M**2
 INLET QUALITY .268
 INLET ENTHALPY 1.201E+06 J/KG
 QUENCH FRONT:
 ELEVATION .697 M
 VELOCITY .0011 M/SEC
 QUALITY .390
 NET LHP POWER TO FLUID 1035.6 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.535	578.3	.493	.428

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	456.9	.270	2.53E+04	
.051	432.0	.276	2.53E+04	
.063	427.6	.278	2.52E+04	
.089	432.4	.283	2.53E+04	
.114	425.8	.287	2.52E+04	
.140	425.3	.291	2.52E+04	
.165	426.3	.295	2.52E+04	
.317	424.9	.320	2.53E+04	
.394	425.1	.333	2.52E+04	
.470	431.7	.346	2.55E+04	
.546	433.5	.358	2.58E+04	
.622	430.4	.371	2.65E+04	
.698	708.7	.391	5.13E+04	
.775	853.5	.411	3.07E+04	
.851	891.3	.426	2.85E+04	
.927	916.7	.440	2.77E+04	
1.003	931.8	.454	2.73E+04	
1.067	901.6	.465	2.70E+04	
1.156	926.1	.481	2.66E+04	
1.232	891.0	.493	2.53E+04	
1.257	896.5	.498	2.69E+04	
1.321	905.1	.509	2.69E+04	
1.384	971.6	.520	2.68E+04	
1.511	1003.2	.542	2.57E+04	
1.562	978.5	.551	2.67E+04	
1.613	995.3	.559	2.66E+04	
1.689	1026.3	.573	2.63E+04	
1.765	1052.4	.586	2.61E+04	
1.816	1049.1	.594	2.44E+04	
1.867	1007.3	.603	2.64E+04	
1.918	1025.6	.611	2.61E+04	
1.994	94.8	.624	2.46E+04	

INEL POST-CHF EXPERIMENT NO. 68

POINT SERIAL NO. 2068.080 (TIME= 862.50 SEC)

LOOP PRESSURE(PE-3) 7.02 MPA
 FCV TEMPERATURE(TE-FCV-1T) 486.7 K
 LHP INLET ENTHALPY 9.125E+05 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.01 K
 MASS FLUX 18.39 KG/SEC-M**2
 INLET QUALITY .268
 INLET ENTHALPY 1.202E+06 J/KG
 QUENCH FRONT:
 ELEVATION .696 M
 VELOCITY .0011 M/SEC
 QUALITY .390
 NET LHP POWER TO FLUID 1035.6 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.841	720.0	.546	.422

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	456.9	.271	2.52E+04	
.051	432.0	.277	2.52E+04	
.063	427.6	.279	2.51E+04	
.089	432.4	.283	2.52E+04	
.114	425.8	.287	2.51E+04	
.140	425.3	.291	2.51E+04	
.165	426.3	.296	2.51E+04	
.317	424.9	.321	2.51E+04	
.394	425.1	.333	2.52E+04	
.470	431.8	.346	2.54E+04	
.546	433.5	.359	2.56E+04	
.622	430.5	.371	2.65E+04	
.698	720.6	.391	5.13E+04	
.775	854.1	.411	3.06E+04	
.851	891.6	.426	2.85E+04	
.927	916.9	.440	2.77E+04	
1.003	932.0	.454	2.73E+04	
1.067	901.7	.465	2.68E+04	
1.156	926.2	.481	2.65E+04	
1.232	891.1	.493	2.51E+04	
1.257	896.6	.498	2.69E+04	
1.321	905.2	.509	2.68E+04	
1.384	971.7	.520	2.68E+04	
1.511	1003.3	.542	2.56E+04	
1.562	978.6	.551	2.68E+04	
1.613	995.4	.559	2.66E+04	
1.689	1026.3	.573	2.62E+04	
1.765	1052.5	.586	2.60E+04	
1.816	1049.1	.594	2.44E+04	
1.867	1007.4	.602	2.63E+04	
1.918	1025.6	.611	2.61E+04	
1.994	94.8	.624	2.45E+04	

INEL POST-CHF EXPERIMENT NO. 68

POINT SERIAL NO. 3068.080 (TIME= 862.50 SEC)

LOOP PRESSURE{PE-3} 7.02 MPA
 FCV TEMPERATURE{TE-FCV-1T} 486.0 K
 LHP INLET ENTHALPY 9.125E+05 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.01 K
 MASS FLUX 18.39 KG/SEC-M**2
 INLET QUALITY .268
 INLET ENTHALPY 1.202E+06 J/KG
 QUENCH FRONT:
 ELEVATION .696 M
 VELOCITY .0011 M/SEC
 QUALITY .390
 NET LHP POWER TO FLUID 1035.6 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.146	813.7	.598	.431

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	456.9	.271	2.52E+04	
.051	432.0	.277	2.52E+04	
.063	427.6	.279	2.51E+04	
.089	432.4	.283	2.52E+04	
.114	425.8	.287	2.51E+04	
.140	425.3	.291	2.51E+04	
.165	426.3	.296	2.51E+04	
.317	424.9	.321	2.51E+04	
.394	425.1	.333	2.52E+04	
.470	431.8	.346	2.54E+04	
.546	423.5	.359	2.56E+04	
.622	430.5	.371	2.65E+04	
.698	720.6	.391	5.13E+04	
.775	854.1	.411	3.06E+04	
.851	891.6	.426	2.85E+04	
.927	916.9	.440	2.77E+04	
1.003	932.0	.454	2.73E+04	
1.067	901.7	.465	2.68E+04	
1.156	926.2	.481	2.65E+04	
1.232	891.1	.493	2.51E+04	
1.257	896.6	.498	2.69E+04	
1.321	905.2	.509	2.68E+04	
1.384	971.7	.520	2.68E+04	
1.511	1003.3	.542	2.56E+04	
1.562	978.6	.551	2.68E+04	
1.613	995.4	.559	2.66E+04	
1.689	1026.3	.573	2.62E+04	
1.765	1052.5	.586	2.60E+04	
1.816	1049.1	.594	2.44E+04	
1.867	1007.4	.602	2.63E+04	
1.918	1025.6	.611	2.61E+04	
1.994	948.8	.624	2.45E+04	

INEL POST-CHF EXPERIMENT NO. 68

POINT SERIAL NO. 1068.090 (TIME= 921.50 SEC)

LOOP PRESSURE{PE-3} 7.03 MPA
 FCV TEMPERATURE{TE-FCV-1T} 475.4 K
 LHP INLET ENTHALPY 8.646E+05 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.95 K
 MASS FLUX 19.20 KG/SEC-M**2
 INLET QUALITY .239
 INLET ENTHALPY 1.141E+06 J/KG
 QUENCH FRONT:
 ELEVATION .757 M
 VELOCITY .0010 M/SEC
 QUALITY .377
 NET LHP POWER TO FLUID 1035.9 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.475	571.6	.473	.417

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	456.9	.242	2.76E+04	
.051	432.1	.248	2.75E+04	
.063	427.7	.250	2.75E+04	
.089	432.5	.255	2.75E+04	
.114	426.1	.259	2.74E+04	
.140	425.5	.263	2.75E+04	
.165	426.4	.268	2.75E+04	
.317	424.8	.294	2.75E+04	
.394	424.8	.307	2.75E+04	
.470	430.6	.320	2.76E+04	
.546	430.8	.333	2.77E+04	
.622	426.7	.346	2.75E+04	
.698	456.8	.361	3.46E+04	
.775	752.8	.382	5.09E+04	
.851	872.0	.401	3.28E+04	
.927	904.7	.417	3.11E+04	
1.003	924.1	.431	3.02E+04	
1.067	897.2	.443	2.95E+04	
1.156	922.5	.459	2.90E+04	
1.232	887.5	.473	2.76E+04	
1.257	893.3	.477	2.94E+04	
1.321	902.0	.489	2.92E+04	
1.384	968.5	.500	2.93E+04	
1.511	1000.4	.523	2.81E+04	
1.562	975.0	.532	2.94E+04	
1.613	992.6	.541	2.93E+04	
1.689	1024.7	.555	2.89E+04	
1.765	1051.8	.569	2.87E+04	
1.816	1048.6	.578	2.71E+04	
1.867	1005.7	.587	2.90E+04	
1.918	1025.0	.596	2.90E+04	
1.994	941.1	.609	2.70E+04	

INEL POST-CHF EXPERIMENT NO. 68

POINT SERIAL NO 2068.090 (TIME= 933.50 SEC)

LOOP PRESSURE(PE-3) 6.99 MPA
 FCV TEMPERATURE(TE-FCV-1T) 473.6 K
 LHP INLET ENTHALPY 8.568E+05 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.96 K
 MASS FLUX 19.46 KG/SEC-M**2
 INLET QUALITY .234
 INLET ENTHALPY 1.131E+06 J/KG
 QUENCH FRONT:
 ELEVATION .769 M
 VELOCITY .0010 M/SEC
 QUALITY .375
 NET LHP POWER TO FLUID 1035.9 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.767	708.5	.524	.410

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	456.9	.237	2.81E+04	
.051	432.1	.243	2.79E+04	
.063	427.8	.245	2.79E+04	
.089	432.6	.250	2.79E+04	
.114	426.2	.254	2.78E+04	
.140	425.6	.259	2.79E+04	
.165	426.4	.263	2.79E+04	
.317	424.9	.289	2.79E+04	
.394	424.9	.302	2.79E+04	
.470	430.5	.316	2.80E+04	
.546	430.6	.329	2.80E+04	
.622	426.4	.342	2.82E+04	
.698	450.3	.356	3.15E+04	
.775	682.3	.376	5.38E+04	
.851	866.0	.397	3.39E+04	
.927	901.4	.412	3.17E+04	
1.003	922.1	.427	3.06E+04	
1.067	896.0	.439	3.00E+04	
1.156	921.8	.455	2.94E+04	
1.232	886.4	.469	2.81E+04	
1.257	892.5	.473	2.97E+04	
1.321	901.3	.485	2.96E+04	
1.384	967.7	.496	2.96E+04	
1.511	999.7	.519	2.84E+04	
1.562	974.1	.528	2.97E+04	
1.613	991.9	.538	2.96E+04	
1.689	1024.2	.551	2.93E+04	
1.765	1051.4	.565	2.91E+04	
1.816	1048.3	.574	2.73E+04	
1.867	1005.2	.583	2.93E+04	
1.918	1024.6	.592	2.91E+04	
1.994	93.9	.605	2.74E+04	

INEL POST-CHF EXPERIMENT NO. 68

POINT SERIAL NO. 3068.090 (TIME= 932.50 SEC)

LOOP PRESSURE(PE-3) 7.03 MPA
 FCV TEMPERATURE(TE-FCV-1T) 473.8 K
 LHP INLET ENTHALPY 8.574E+05 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.95 K
 MASS FLUX 19.45 KG/SEC-M**2
 INLET QUALITY .235
 INLET ENTHALPY 1.132E+06 J/KG
 QUENCH FRONT:
 ELEVATION .768 M
 VELOCITY .0010 M/SEC
 QUALITY .375
 NET LHP POWER TO FLUID 1035.9 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.073	806.5	.578	.422

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	456.9	.237	2.80E+04	
.051	432.1	.244	2.79E+04	
.063	427.8	.246	2.78E+04	
.089	432.6	.250	2.79E+04	
.114	426.2	.255	2.78E+04	
.140	425.6	.259	2.78E+04	
.165	426.4	.263	2.79E+04	
.317	424.9	.290	2.79E+04	
.394	424.9	.303	2.78E+04	
.470	430.5	.316	2.79E+04	
.546	430.6	.329	2.79E+04	
.622	426.5	.342	2.81E+04	
.698	450.8	.356	3.15E+04	
.775	688.3	.376	5.38E+04	
.851	866.5	.397	3.38E+04	
.927	901.7	.412	3.16E+04	
1.003	922.3	.427	3.06E+04	
1.067	896.1	.439	2.99E+04	
1.156	921.9	.455	2.93E+04	
1.232	886.5	.469	2.80E+04	
1.257	892.6	.473	2.97E+04	
1.321	901.4	.485	2.95E+04	
1.384	967.8	.497	2.96E+04	
1.511	999.8	.519	2.84E+04	
1.562	974.2	.528	2.96E+04	
1.613	991.9	.538	2.95E+04	
1.689	1024.2	.551	2.93E+04	
1.765	1051.4	.565	2.90E+04	
1.816	1048.3	.574	2.73E+04	
1.867	1005.3	.583	2.92E+04	
1.918	1024.7	.592	2.90E+04	
1.994	93.9	.605	2.73E+04	

INEL POST-CHF EXPERIMENT NO. 68

POINT SERIAL NO. 2068.100 (TIME=1028.50 SEC)

LOOP PRESSURE(PE-3) 6.98 MPA
 FCV TEMPERATURE(TE-FCV-1T) 464.8 K
 LHP INLET ENTHALPY 8.175E+05 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.97 K
 MASS FLUX 20.46 KG/SEC-M**2
 INLET QUALITY .210
 INLET ENTHALPY 1.079E+06 J/KG
 QUENCH FRONT:
 ELEVATION .863 M
 VELOCITY .0010 M/SEC
 QUALITY .365
 NET LHP POWER TO FLUID 1035.6 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.674	682.7	.495	.393

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	457.1	.212	2.93E+04	
.051	432.2	.219	2.92E+04	
.063	427.9	.221	2.91E+04	
.089	432.4	.225	2.91E+04	
.114	426.2	.230	2.91E+04	
.140	425.7	.234	2.91E+04	
.165	426.3	.239	2.92E+04	
.317	424.8	.265	2.91E+04	
.394	424.9	.278	2.91E+04	
.470	429.4	.291	2.92E+04	
.546	428.9	.304	2.92E+04	
.622	425.2	.317	2.92E+04	
.698	435.6	.330	2.98E+04	
.775	437.0	.344	3.06E+04	
.851	568.3	.362	4.74E+04	
.927	863.2	.381	3.71E+04	
1.003	902.2	.397	3.35E+04	
1.067	885.7	.409	3.21E+04	
1.156	915.5	.425	3.13E+04	
1.232	876.5	.439	2.97E+04	
1.257	885.0	.444	3.17E+04	
1.321	894.3	.456	3.14E+04	
1.384	959.8	.467	3.13E+04	
1.511	993.5	.490	3.01E+04	
1.562	966.7	.500	3.15E+04	
1.613	985.7	.509	3.13E+04	
1.689	1019.7	.523	3.10E+04	
1.765	1048.4	.537	3.08E+04	
1.816	1045.7	.546	2.89E+04	
1.867	1002.0	.555	3.09E+04	
1.918	1023.1	.564	3.09E+04	
1.994	93.8	.577	2.35E+04	

INEL POST-CHF EXPERIMENT NO. 68

POINT SERIAL NO. 3068.100 (TIME=1027.50 SEC)

LOOP PRESSURE(PE-3) 7.01 MPA
 FCV TEMPERATURE(TE-FCV-1T) 464.9 K
 LHP INLET ENTHALPY 8.178E+05 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.95 K
 MASS FLUX 20.45 KG/SEC-M**2
 INLET QUALITY .210
 INLET ENTHALPY 1.079E+06 J/KG
 QUENCH FRONT:
 ELEVATION .862 M
 VELOCITY .0010 M/SEC
 QUALITY .365
 NET LHP POWER TO FLUID 1035.6 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	.979	788.6	.550	.407

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	457.1	.212	2.93E+04	
.051	432.2	.219	2.92E+04	
.063	427.9	.221	2.91E+04	
.089	432.4	.225	2.92E+04	
.114	426.2	.230	2.91E+04	
.140	425.7	.234	2.91E+04	
.165	426.3	.239	2.92E+04	
.317	424.8	.265	2.91E+04	
.394	424.9	.278	2.91E+04	
.470	429.4	.291	2.92E+04	
.546	428.9	.304	2.92E+04	
.622	425.2	.317	2.92E+04	
.698	435.7	.331	2.98E+04	
.775	437.2	.344	3.08E+04	
.851	574.2	.362	4.75E+04	
.927	864.0	.381	3.69E+04	
1.003	902.6	.397	3.34E+04	
1.067	885.9	.409	3.20E+04	
1.156	915.6	.426	3.12E+04	
1.232	876.7	.439	2.97E+04	
1.257	885.2	.444	3.16E+04	
1.321	894.4	.456	3.13E+04	
1.384	959.9	.467	3.12E+04	
1.511	993.6	.490	3.00E+04	
1.562	966.9	.500	3.14E+04	
1.613	985.9	.509	3.12E+04	
1.689	1019.8	.523	3.09E+04	
1.765	1048.5	.537	3.07E+04	
1.816	1045.7	.546	2.88E+04	
1.867	1002.1	.555	3.08E+04	
1.918	1023.2	.564	3.07E+04	
1.994	93.8	.577	2.85E+04	

INEL POST-CHF EXPERIMENT NO. 68

POINT SERIAL NO. 2068.110 (TIME=1098.50 SEC)

LOOP PRESSURE(PE-3) 7.04 MPA
 FCV TEMPERATURE(TE-FCV-1T) 461.6 K
 LHP INLET ENTHALPY 8.036E+05 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.94 K
 MASS FLUX 20.56 KG/SEC-M**2
 INLET QUALITY .203
 INLET ENTHALPY 1.064E+06 J/KG
 QUENCH FRONT:
 ELEVATION .932 M
 VELOCITY .0010 M/SEC
 QUALITY .368
 NET LHP POWER TO FLUID 1035.7 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.605	657.6	.487	.396

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	456.8	.205	2.94E+04	
.051	431.9	.212	2.93E+04	
.063	427.7	.214	2.93E+04	
.089	431.9	.218	2.93E+04	
.114	426.1	.223	2.93E+04	
.140	425.6	.227	2.93E+04	
.165	426.1	.231	2.93E+04	
.317	424.6	.257	2.93E+04	
.394	424.6	.271	2.93E+04	
.470	428.6	.284	2.93E+04	
.546	428.0	.297	2.93E+04	
.622	424.6	.310	2.93E+04	
.698	432.2	.323	2.94E+04	
.775	430.8	.336	2.96E+04	
.851	441.1	.350	3.09E+04	
.927	609.5	.366	4.38E+04	
1.003	866.6	.385	3.83E+04	
1.067	867.1	.398	3.41E+04	
1.156	902.9	.416	3.27E+04	
1.232	864.3	.430	3.07E+04	
1.257	872.7	.435	3.30E+04	
1.321	884.6	.447	3.22E+04	
1.384	949.4	.459	3.24E+04	
1.511	983.7	.483	3.11E+04	
1.562	956.2	.492	3.25E+04	
1.613	976.3	.502	3.23E+04	
1.689	1011.4	.516	3.20E+04	
1.765	1041.3	.530	3.18E+04	
1.816	1038.4	.540	2.99E+04	
1.867	994.3	.549	3.19E+04	
1.918	1016.6	.558	3.19E+04	
1.994	92.4	.572	2.88E+04	

INEL POST-CHF EXPERIMENT NO. 68

POINT SERIAL NO. 3068.110 (TIME=1098.50 SEC)

LOOP PRESSURE(PE-3) 7.04 MPA
 FCV TEMPERATURE(TE-FCV-1T) 461.6 K
 LHP INLET ENTHALPY 8.036E+05 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.94 K
 MASS FLUX 20.56 KG/SEC-M**2
 INLET QUALITY .203
 INLET ENTHALPY 1.064E+06 J/KG
 QUENCH FRONT:
 ELEVATION .932 M
 VELOCITY .0010 M/SEC
 QUALITY .368
 NET LHP POWER TO FLUID 1035.7 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	.910	757.6	.544	.409

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	456.8	.205	2.94E+04	
.051	431.9	.212	2.93E+04	
.063	427.7	.214	2.93E+04	
.089	431.9	.218	2.93E+04	
.114	426.1	.223	2.93E+04	
.140	425.6	.227	2.93E+04	
.165	426.1	.231	2.93E+04	
.317	424.6	.257	2.93E+04	
.394	424.6	.271	2.93E+04	
.470	428.6	.284	2.93E+04	
.546	428.0	.297	2.93E+04	
.622	424.6	.310	2.93E+04	
.698	432.2	.323	2.94E+04	
.775	430.8	.336	2.96E+04	
.851	441.1	.350	3.09E+04	
.927	609.5	.366	4.38E+04	
1.003	866.6	.385	3.83E+04	
1.067	867.1	.398	3.41E+04	
1.156	902.9	.416	3.27E+04	
1.232	864.3	.430	3.07E+04	
1.257	872.7	.435	3.30E+04	
1.321	884.6	.447	3.22E+04	
1.384	949.4	.459	3.24E+04	
1.511	983.7	.483	3.11E+04	
1.562	956.2	.492	3.25E+04	
1.613	976.3	.502	3.23E+04	
1.689	1011.4	.516	3.20E+04	
1.765	1041.3	.530	3.18E+04	
1.816	1038.4	.540	2.99E+04	
1.867	994.3	.549	3.19E+04	
1.918	1016.6	.558	3.19E+04	
1.994	92.4	.572	2.88E+04	

INEL POST-CHF EXPERIMENT NO. 68

POINT SERIAL NO. 2068.120 (TIME=1159.50 SEC)

LOOP PRESSURE(PE-3) 7.06 MPA
 FCV TEMPERATURE(TE-FCV-1T) 460.0 K
 LHP INLET ENTHALPY 7.964E+05 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.04 K
 MASS FLUX 20.59 KG/SEC-M**2
 INLET QUALITY .200
 INLET ENTHALPY 1.057E+06 J/KG
 QUENCH FRONT:
 ELEVATION .999 M
 VELOCITY .0012 M/SEC
 QUALITY .380
 NET LHP POWER TO FLUID 1035.8 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.537	628.2	.490	.407

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	456.8	.202	2.94E+04	
.051	431.8	.208	2.93E+04	
.063	427.7	.211	2.92E+04	
.089	431.9	.215	2.93E+04	
.114	425.9	.219	2.92E+04	
.140	425.5	.224	2.92E+04	
.165	426.0	.228	2.92E+04	
.317	424.6	.254	2.92E+04	
.394	424.5	.267	2.92E+04	
.470	428.0	.280	2.93E+04	
.546	427.6	.294	2.92E+04	
.622	424.4	.307	2.92E+04	
.698	430.8	.320	2.94E+04	
.775	429.1	.333	2.92E+04	
.851	433.2	.346	2.97E+04	
.927	456.6	.360	3.26E+04	
1.003	665.6	.381	6.16E+04	
1.067	833.4	.400	3.69E+04	
1.156	882.1	.418	3.36E+04	
1.232	846.1	.432	3.11E+04	
1.257	855.0	.437	3.29E+04	
1.321	871.5	.449	3.23E+04	
1.384	935.8	.461	3.23E+04	
1.511	971.1	.485	3.10E+04	
1.562	944.4	.495	3.19E+04	
1.613	964.3	.504	3.20E+04	
1.689	1000.1	.518	3.19E+04	
1.765	1030.5	.533	3.18E+04	
1.816	1027.9	.542	2.98E+04	
1.867	984.4	.551	3.16E+04	
1.918	1007.1	.560	3.15E+04	
1.994	88.5	.574	2.89E+04	

INEL POST-CHF EXPERIMENT NO. 68

POINT SERIAL NO. 3068.120 (TIME=1159.50 SEC)

LOOP PRESSURE(PE-3) 7.06 MPA
 FCV TEMPERATURE(TE-FCV-1T) 460.0 K
 LHP INLET ENTHALPY 7.964E+05 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.04 K
 MASS FLUX 20.59 KG/SEC-M**2
 INLET QUALITY .200
 INLET ENTHALPY 1.057E+06 J/KG
 QUENCH FRONT:
 ELEVATION .999 M
 VELOCITY .0012 M/SEC
 QUALITY .380
 NET LHP POWER TO FLUID 1035.8 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	.842	734.7	.546	.418

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	456.8	.202	2.94E+04	
.051	431.8	.208	2.93E+04	
.063	427.7	.211	2.92E+04	
.089	431.9	.215	2.93E+04	
.114	425.9	.219	2.92E+04	
.140	425.5	.224	2.92E+04	
.165	426.0	.228	2.92E+04	
.317	424.6	.254	2.92E+04	
.394	424.5	.267	2.92E+04	
.470	428.0	.280	2.93E+04	
.546	427.6	.294	2.92E+04	
.622	424.4	.307	2.92E+04	
.698	430.8	.320	2.94E+04	
.775	429.1	.333	2.92E+04	
.851	433.2	.346	2.97E+04	
.927	456.6	.360	3.26E+04	
1.003	665.6	.381	6.16E+04	
1.067	833.4	.400	3.69E+04	
1.156	882.1	.418	3.36E+04	
1.232	846.1	.432	3.11E+04	
1.257	855.0	.437	3.29E+04	
1.321	871.5	.449	3.23E+04	
1.384	935.8	.461	3.23E+04	
1.511	971.1	.485	3.10E+04	
1.562	944.4	.495	3.19E+04	
1.613	964.3	.504	3.20E+04	
1.689	1000.1	.518	3.19E+04	
1.765	1030.5	.533	3.18E+04	
1.816	1027.9	.542	2.98E+04	
1.867	984.4	.551	3.16E+04	
1.918	1007.1	.560	3.15E+04	
1.994	88.5	.574	2.89E+04	

INEL POST-CHF EXPERIMENT NO. 68

POINT SERIAL NO. 2068.130 (TIME=1218.50 SEC)

LOOP PRESSURE(PE-3) 7.02 MPA
 FCV TEMPERATURE(TE-FCV-1T) 458.9 K
 LHP INLET ENTHALPY 7.914E+05 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.00 K
 MASS FLUX 20.56 KG/SEC-M**2
 INLET QUALITY .197
 INLET ENTHALPY 1.051E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.069 M
 VELOCITY .0011 M/SEC
 QUALITY .386
 NET LHP POWER TO FLUID 1035.9 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.468	609.1	.482	.407

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	456.6	.199	2.93E+04	
.051	431.7	.206	2.93E+04	
.063	427.6	.208	2.92E+04	
.089	431.6	.212	2.93E+04	
.114	425.8	.216	2.93E+04	
.140	425.6	.221	2.92E+04	
.165	425.9	.225	2.93E+04	
.317	424.5	.251	2.92E+04	
.394	424.6	.264	2.93E+04	
.470	427.8	.278	2.93E+04	
.546	427.2	.291	2.93E+04	
.622	424.4	.304	2.93E+04	
.698	430.1	.317	2.94E+04	
.775	428.4	.330	2.94E+04	
.851	430.7	.343	2.96E+04	
.927	444.0	.357	3.03E+04	
1.003	432.9	.370	3.11E+04	
1.067	669.7	.385	4.99E+04	
1.156	850.9	.408	3.62E+04	
1.232	823.2	.423	3.26E+04	
1.257	832.1	.428	3.44E+04	
1.321	855.3	.441	3.31E+04	
1.384	919.1	.453	3.32E+04	
1.511	955.7	.477	3.19E+04	
1.562	929.7	.487	3.30E+04	
1.613	949.2	.497	3.30E+04	
1.689	985.5	.512	3.29E+04	
1.765	1016.4	.526	3.28E+04	
1.816	1014.1	.536	3.09E+04	
1.867	972.0	.545	3.26E+04	
1.918	994.8	.555	3.26E+04	
1.994	83.9	.569	2.91E+04	

INEL POST-CHF EXPERIMENT NO. 68

POINT SERIAL NO. 3068.130 (TIME=1218.50 SEC)

LOOP PRESSURE(PE-3) 7.02 MPA
 FCV TEMPERATURE(TE-FCV-1T) 458.9 K
 LHP INLET ENTHALPY 7.914E+05 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.00 K
 MASS FLUX 20.56 KG/SEC-M**2
 INLET QUALITY .197
 INLET ENTHALPY 1.051E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.069 M
 VELOCITY .0011 M/SEC
 QUALITY .386
 NET LHP POWER TO FLUID 1035.9 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	.772	708.2	.540	.421

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	456.6	.199	2.93E+04	
.051	431.7	.206	2.93E+04	
.063	427.6	.208	2.92E+04	
.089	431.6	.212	2.93E+04	
.114	425.8	.216	2.93E+04	
.140	425.6	.221	2.92E+04	
.165	425.9	.225	2.93E+04	
.317	424.5	.251	2.92E+04	
.394	424.6	.264	2.93E+04	
.470	427.8	.278	2.93E+04	
.546	427.2	.291	2.93E+04	
.622	424.4	.304	2.93E+04	
.698	430.1	.317	2.94E+04	
.775	428.4	.330	2.94E+04	
.851	430.7	.343	2.96E+04	
.927	444.0	.357	3.03E+04	
1.003	432.9	.370	3.11E+04	
1.067	669.7	.385	4.99E+04	
1.156	850.9	.408	3.62E+04	
1.232	823.2	.423	3.26E+04	
1.257	832.1	.428	3.44E+04	
1.321	855.3	.441	3.31E+04	
1.384	919.1	.453	3.32E+04	
1.511	955.7	.477	3.19E+04	
1.562	929.7	.487	3.30E+04	
1.613	949.2	.497	3.30E+04	
1.689	985.5	.512	3.29E+04	
1.765	1016.4	.526	3.28E+04	
1.816	1014.1	.536	3.09E+04	
1.867	972.0	.545	3.26E+04	
1.918	994.8	.555	3.26E+04	
1.994	83.9	.569	2.91E+04	

INEL POST-CHF EXPERIMENT NO. 68

POINT SERIAL NO. 3068.140 (TIME=1287.50 SEC)

LOOP PRESSURE(PE-3) 7.00 MPA
 FCV TEMPERATURE(TE-FCV-1T) 458.0 K
 LHP INLET ENTHALPY 7.877E+05 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.06 K
 MASS FLUX 20.72 KG/SEC-M**2
 INLET QUALITY .194
 INLET ENTHALPY 1.046E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.155 M
 VELOCITY .0014 M/SEC
 QUALITY .401
 NET LHP POWER TO FLUID 1035.5 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	.686	677.5	.538	.429

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	456.8	.196	2.95E+04	
.051	431.8	.203	2.94E+04	
.063	427.6	.205	2.93E+04	
.089	431.7	.209	2.94E+04	
.114	425.8	.214	2.94E+04	
.140	425.5	.218	2.93E+04	
.165	425.8	.222	2.94E+04	
.317	424.4	.249	2.94E+04	
.394	424.5	.262	2.94E+04	
.470	427.3	.275	2.94E+04	
.546	426.8	.288	2.94E+04	
.622	424.1	.301	2.94E+04	
.698	429.1	.314	2.94E+04	
.775	427.5	.327	2.94E+04	
.851	429.4	.340	2.94E+04	
.927	438.3	.353	2.98E+04	
1.003	425.6	.366	2.98E+04	
1.067	477.3	.378	3.28E+04	
1.156	716.7	.401	5.74E+04	
1.232	785.8	.422	3.51E+04	
1.257	797.1	.427	3.57E+04	
1.321	833.3	.440	3.34E+04	
1.384	897.6	.452	3.33E+04	
1.511	935.2	.476	3.20E+04	
1.562	909.4	.486	3.35E+04	
1.613	929.3	.496	3.29E+04	
1.689	967.1	.510	3.23E+04	
1.765	998.7	.525	3.19E+04	
1.816	997.0	.534	2.99E+04	
1.867	955.5	.543	3.20E+04	
1.918	979.2	.552	3.16E+04	
1.994	77.2	.566	2.91E+04	

INEL POST-CHF EXPERIMENT NO. 68

POINT SERIAL NO. 3068.150 (TIME=1342.50 SEC)

LOOP PRESSURE(PE-3) 7.00 MPA
 FCV TEMPERATURE(TE-FCV-1T) 458.3 K
 LHP INLET ENTHALPY 7.889E+05 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.13 K
 MASS FLUX 20.65 KG/SEC-M**2
 INLET QUALITY .195
 INLET ENTHALPY 1.047E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.232 M
 VELOCITY .0014 M/SEC
 QUALITY .419
 NET LHP POWER TO FLUID 1035.8 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	.610	652.0	.542	.441

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	457.0	.197	2.97E+04	
.051	431.9	.203	2.95E+04	
.063	427.8	.205	2.95E+04	
.089	431.8	.210	2.96E+04	
.114	425.5	.214	2.94E+04	
.140	425.7	.219	2.96E+04	
.165	426.0	.223	2.96E+04	
.317	424.4	.249	2.95E+04	
.394	424.5	.262	2.95E+04	
.470	427.1	.275	2.96E+04	
.546	426.6	.288	2.96E+04	
.622	424.1	.302	2.95E+04	
.698	428.7	.315	2.96E+04	
.775	427.2	.328	2.96E+04	
.851	429.0	.341	2.96E+04	
.927	436.4	.354	2.99E+04	
1.003	424.6	.367	2.99E+04	
1.067	462.4	.379	3.13E+04	
1.156	497.3	.397	4.08E+04	
1.232	655.1	.419	5.44E+04	
1.257	738.8	.426	4.65E+04	
1.321	813.2	.441	3.51E+04	
1.384	878.9	.454	3.47E+04	
1.511	916.4	.479	3.34E+04	
1.562	888.3	.489	3.50E+04	
1.613	914.8	.499	3.36E+04	
1.689	958.5	.514	3.24E+04	
1.765	992.4	.528	3.17E+04	
1.816	990.8	.537	2.98E+04	
1.867	949.1	.546	3.18E+04	
1.918	973.4	.556	3.17E+04	
1.994	74.2	.569	2.91E+04	

INEL POST-CHF EXPERIMENT NO. 68

POINT SERIAL NO. 3068.160 (TIME=1359.50 SEC)

LOOP PRESSURE(PE-3) 7.05 MPA
 FCV TEMPERATURE(TE-FCV-1T) 458.3 K
 LHP INLET ENTHALPY 7.889E+05 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.15 K
 MASS FLUX 20.73 KG/SEC-M**2
 INLET QUALITY .195
 INLET ENTHALPY 1.048E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.256 M
 VELOCITY .0015 M/SEC
 QUALITY .426
 NET LHP POWER TO FLUID 1036.3 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 (INFERRED VAPOR TEMP)
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.841	.585	648.9	.543	.443
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WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013	457.0	.197	2.97E+04	
.051	431.9	.204	2.96E+04	
.063	427.8	.206	2.96E+04	
.089	431.8	.210	2.96E+04	
.114	425.5	.215	2.94E+04	
.140	425.7	.219	2.96E+04	
.165	426.0	.223	2.96E+04	
.317	424.4	.250	2.96E+04	
.394	424.5	.263	2.95E+04	
.470	427.1	.276	2.96E+04	
.546	426.6	.289	2.96E+04	
.622	424.2	.302	2.95E+04	
.698	428.6	.315	2.96E+04	
.775	427.2	.329	2.97E+04	
.851	428.8	.342	2.95E+04	
.927	436.1	.355	3.00E+04	
1.003	424.4	.368	3.03E+04	
1.067	460.5	.380	3.13E+04	
1.156	484.9	.398	3.78E+04	
1.232	622.4	.419	5.73E+04	
1.257	662.1	.427	4.98E+04	
1.321	808.9	.442	3.50E+04	
1.384	875.0	.455	3.42E+04	
1.511	912.5	.480	3.30E+04	
1.562	884.0	.490	3.44E+04	
1.613	911.9	.500	3.34E+04	
1.689	956.8	.515	3.22E+04	
1.765	991.2	.529	3.16E+04	
1.816	989.5	.538	2.97E+04	
1.867	947.9	.547	3.17E+04	
1.918	972.1	.557	3.15E+04	
1.994	73.7	.570	2.91E+04	

INEL POST-CHF EXPERIMENT NO. 89

POINT SERIAL NO. 1089.011 (TIME= 181.50 SEC)

(INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 16.07 MPA
 FCV TEMPERATURE(TE-FCV-1T) 613.4 K
 LHP INLET ENTHALPY 1.592E+06 J/KG
 TEST SECTION:
 PRESSURE 3.57 MPA
 SAT TEMP 516.77 K
 MASS FLUX 46.55 KG/SEC-M**2
 INLET QUALITY .307
 INLET ENTHALPY 1.592E+06 J/KG
 QUENCH FRONT:
 ELEVATION .659 M
 VELOCITY .0069 M/SEC
 QUALITY .407
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 (INFERRED VAPOR TEMP)
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.232	.573	655.0	.510	.419
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WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013	526.2	.309	3.77E+04	
.051	528.8	.313	3.81E+04	
.063	524.6	.315	3.75E+04	
.089	531.9	.318	3.80E+04	
.114	526.3	.321	3.89E+04	
.140	523.0	.324	3.76E+04	
.165	524.0	.327	3.84E+04	
.317	525.1	.346	4.01E+04	
.394	532.9	.355	4.03E+04	
.470	541.1	.365	4.04E+04	
.546	552.7	.375	4.69E+04	
.622	563.7	.393	1.04E+05	
.698	725.1	.423	1.42E+05	
.775	758.1	.446	2.11E+04	
.851	789.8	.458	4.94E+04	
.927	807.9	.469	4.36E+04	
1.003	819.6	.479	4.21E+04	
1.067	800.2	.488	4.83E+04	
1.156	841.4	.500	3.78E+04	
1.232	832.4	.510	4.78E+04	
1.257	853.2	.514	3.80E+04	
1.321	864.0	.521	3.39E+04	
1.384	917.3	.527	3.07E+04	
1.461	929.9	.535	2.98E+04	
1.511	931.4	.539	2.77E+04	
1.562	926.7	.544	3.57E+04	
1.613	943.1	.550	3.93E+04	
1.689	959.3	.559	3.42E+04	
1.765	974.9	.567	3.20E+04	
1.816	979.7	.572	2.83E+04	
1.867	962.1	.577	3.37E+04	
1.918	957.1	.582	3.49E+04	
1.994	958.5	.590	2.84E+04	
2.070	974.0	.597	3.01E+04	

INEL POST-CHF EXPERIMENT NO. 89

POINT SERIAL NO. 1089.021 (TIME= 209.50 SEC)
 {INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 16.15 MPA
 FCV TEMPERATURE(TE-FCV-1T) 614.1 K
 LHP INLET ENTHALPY 1.597E+06 J/KG
 TEST SECTION:
 PRESSURE 3.56 MPA
 SAT TEMP 516.75 K
 MASS FLUX 46.98 KG/SEC-M**2
 INLET QUALITY .310
 INLET ENTHALPY 1.597E+06 J/KG
 QUENCH FRONT:
 ELEVATION .769 M
 VELOCITY .0029 M/SEC
 QUALITY .408
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 {INFERRED VAPOR TEMP)
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.232 .463 612.0 .477 .412

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013	524.8	.312	3.79E+04	
.051	526.5	.316	3.80E+04	
.063	523.3	.318	3.78E+04	
.089	529.3	.321	3.80E+04	
.114	524.2	.324	3.79E+04	
.140	522.2	.327	3.76E+04	
.165	522.9	.330	3.77E+04	
.317	523.0	.348	3.80E+04	
.394	529.0	.357	3.85E+04	
.470	533.4	.366	3.89E+04	
.546	539.2	.375	4.04E+04	
.622	533.6	.365	4.10E+04	
.698	559.5	.396	5.30E+04	
.775	674.8	.409	5.76E+04	
.851	761.3	.422	5.20E+04	
.927	780.4	.434	4.87E+04	
1.003	800.0	.445	4.65E+04	
1.067	789.2	.453	4.08E+04	
1.156	833.1	.465	3.98E+04	
1.232	711.3	.477	6.93E+04	
1.257	806.9	.482	5.33E+04	
1.321	857.9	.491	3.82E+04	
1.384	915.5	.499	3.62E+04	
1.461	935.6	.507	3.36E+04	
1.511	939.8	.512	3.08E+04	
1.562	930.5	.517	3.31E+04	
1.613	949.4	.522	3.30E+04	
1.689	973.6	.530	3.06E+04	
1.765	992.9	.537	2.97E+04	
1.816	996.4	.541	2.77E+04	
1.867	978.8	.546	3.10E+04	
1.918	973.9	.551	3.13E+04	
1.994	979.7	.558	3.03E+04	
2.070	997.0	.565	2.92E+04	

INEL POST-CHF EXPERIMENT NO. 89

POINT SERIAL NO. 1089.030 (TIME= 215.50 SEC)
 LOOP PRESSURE(PE-3) 16.05 MPA
 FCV TEMPERATURE(TE-FCV-1T) 614.0 K
 LHP INLET ENTHALPY 1.597E+06 J/KG
 TEST SECTION:
 PRESSURE 3.57 MPA
 SAT TEMP 516.79 K
 MASS FLUX 46.91 KG/SEC-M**2
 INLET QUALITY .310
 INLET ENTHALPY 1.597E+06 J/KG
 QUENCH FRONT:
 ELEVATION .786 M
 VELOCITY .0029 M/SEC
 QUALITY .409
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.232 .466 606.2 .482 .422

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013	524.6	.312	3.78E+04	
.051	526.2	.316	3.79E+04	
.063	523.1	.318	3.77E+04	
.089	528.9	.321	3.79E+04	
.114	523.9	.324	3.78E+04	
.140	522.1	.327	3.76E+04	
.165	522.7	.329	3.77E+04	
.317	522.6	.347	3.79E+04	
.394	528.3	.356	3.83E+04	
.470	532.3	.365	3.87E+04	
.546	536.4	.375	3.98E+04	
.622	529.2	.384	4.04E+04	
.698	547.0	.394	4.67E+04	
.775	642.0	.407	6.28E+04	
.851	751.5	.421	5.81E+04	
.927	772.0	.435	5.34E+04	
1.003	793.3	.447	5.21E+04	
1.067	787.5	.456	4.35E+04	
1.156	831.3	.468	4.49E+04	
1.232	683.9	.482	7.41E+04	
1.257	793.9	.488	6.91E+04	
1.321	857.4	.499	4.12E+04	
1.384	916.3	.507	3.98E+04	
1.461	938.0	.516	3.70E+04	
1.511	942.4	.521	3.41E+04	
1.562	933.4	.527	3.68E+04	
1.613	952.3	.533	3.66E+04	
1.689	978.2	.541	3.43E+04	
1.765	998.1	.549	3.31E+04	
1.816	1001.2	.554	3.13E+04	
1.867	983.3	.559	3.33E+04	
1.918	978.0	.564	3.46E+04	
1.994	984.8	.572	3.20E+04	
2.070	1002.7	.580	3.11E+04	

INEL POST-CHF EXPERIMENT NO. 89

POINT SERIAL NO. 1089.041 (TIME= 232.50 SEC)
 { INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 16.08 MPA
 FCV TEMPERATURE(TE-FCV-1T) 614.3 K
 LHP INLET ENTHALPY 1.599E+06 J/KG
 TEST SECTION:
 PRESSURE 3.57 MPA
 SAT TEMP 516.76 K
 MASS FLUX 47.92 KG/SEC-M**2
 INLET QUALITY .311
 INLET ENTHALPY 1.599E+06 J/KG
 QUENCH FRONT:
 ELEVATION .842 M
 VELOCITY .0038 M/SEC
 QUALITY .416
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 { INFERRED VAPOR TEMP)
 ELEVATION DZQF TV XE XA
 (M) (M) (K) (K) (K)
 1.232 .390 574.0 .485 .440

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) (K) W/M**2 W/M**2

.013	524.0	.313	3.79E+04	
.051	525.5	.317	3.80E+04	
.063	522.6	.319	3.79E+04	
.089	528.1	.322	3.81E+04	
.114	523.2	.325	3.81E+04	
.140	521.9	.328	3.77E+04	
.165	522.3	.331	3.79E+04	
.317	521.9	.348	3.80E+04	
.394	526.7	.357	3.83E+04	
.470	530.4	.366	3.85E+04	
.546	532.8	.375	3.91E+04	
.622	526.2	.384	3.85E+04	
.698	537.9	.393	4.05E+04	
.775	556.3	.404	5.08E+04	
.851	684.0	.418	6.94E+04	
.927	751.2	.432	4.98E+04	
1.003	776.7	.443	4.65E+04	
1.067	776.2	.452	4.34E+04	
1.156	791.1	.469	8.46E+04	
1.232	612.5	.485	4.92E+04	
1.257	718.7	.490	7.87E+04	
1.321	853.1	.501	4.08E+04	
1.384	914.6	.509	3.90E+04	
1.461	939.9	.518	3.70E+04	
1.511	945.4	.523	3.40E+04	
1.562	936.4	.529	3.69E+04	
1.613	955.0	.534	3.74E+04	
1.689	983.5	.543	3.65E+04	
1.765	1005.2	.551	3.50E+04	
1.816	1008.3	.557	3.27E+04	
1.867	990.4	.562	3.55E+04	
1.918	983.3	.567	3.61E+04	
1.994	993.8	.576	3.41E+04	
2.070	1012.9	.583	3.29E+04	

INEL POST-CHF EXPERIMENT NO. 90

POINT SERIAL NO. 3090.091 (TIME= 179.50 SEC)
 { INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 16.15 MPA
 FCV TEMPERATURE(TE-FCV-1T) 616.3 K
 LHP INLET ENTHALPY 1.615E+06 J/KG
 TEST SECTION:
 PRESSURE 3.57 MPA
 SAT TEMP 516.81 K
 MASS FLUX 66.88 KG/SEC-M**2
 INLET QUALITY .321
 INLET ENTHALPY 1.615E+06 J/KG
 QUENCH FRONT:
 ELEVATION .622 M
 VELOCITY .0056 M/SEC
 QUALITY .410
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 { INFERRED VAPOR TEMP)
 ELEVATION DZQF TV XE XA
 (M) (M) (K) (K) (K)
 1.841 1.220 763.0 .583 .429

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) (K) W/M**2 W/M**2

.013	526.8	.322	5.85E+04	
.051	528.7	.327	5.88E+04	
.063	524.9	.329	5.84E+04	
.089	531.4	.332	5.89E+04	
.114	526.9	.335	5.86E+04	
.140	523.8	.338	5.82E+04	
.165	524.0	.342	5.84E+04	
.317	526.2	.361	5.91E+04	
.394	534.5	.371	5.98E+04	
.470	550.4	.381	6.53E+04	
.546	588.5	.394	8.85E+04	
.622	701.6	.410	1.01E+05	
.698	802.7	.426	9.07E+04	
.775	830.3	.439	6.92E+04	
.851	851.3	.451	6.75E+04	
.927	866.2	.462	6.69E+04	
1.003	882.9	.473	6.67E+04	
1.067	850.4	.482	5.89E+04	4.30E+03
1.156	892.0	.493	6.24E+04	8.17E+02
1.232	852.8	.504	6.39E+04	
1.257	879.4	.507	6.83E+04	
1.321	901.7	.517	6.42E+04	
1.384	946.9	.526	6.42E+04	
1.460	952.7	.536	6.29E+04	
1.511	949.0	.543	5.85E+04	
1.562	940.4	.550	6.28E+04	
1.613	970.4	.556	6.18E+04	
1.689	988.7	.567	6.02E+04	
1.765	995.3	.576	5.89E+04	
1.816	990.6	.583	5.49E+04	
1.867	972.5	.589	5.91E+04	
1.918	977.3	.596	5.85E+04	
1.994	984.6	.605	5.57E+04	
2.070	993.8	.614	5.50E+04	

INEL POST-CHF EXPERIMENT NO. 90

POINT SERIAL NO. 3090.100 (TIME= 192.50 SEC)

LOOP PRESSURE(PE-3) 16.08 MPA
 FCV TEMPERATURE(TE-FCV-1T) 616.0 K
 LHP INLET ENTHALPY 1.613E+06 J/KG
 TEST SECTION:
 PRESSURE 3.57 MPA
 SAT TEMP 516.84 K
 MASS FLUX 66.87 KG/SEC-M**2
 INLET QUALITY .319
 INLET ENTHALPY 1.613E+06 J/KG
 QUENCH FRONT:
 ELEVATION .694 M
 VELOCITY .0055 M/SEC
 QUALITY .417
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.147	757.4	.583	.432

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION			HEAT LOSS W/M**2
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2		
.013	525.9	.321	5.85E+04		
.051	527.5	.326	5.85E+04		
.063	524.1	.327	5.84E+04		
.089	530.1	.330	5.87E+04		
.114	525.8	.334	5.84E+04		
.140	523.3	.337	5.82E+04		
.165	523.3	.340	5.83E+04		
.317	524.4	.360	5.86E+04		
.294	532.1	.369	5.86E+04		
.470	541.3	.379	6.12E+04		
.546	551.1	.390	6.37E+04		
.622	546.4	.401	7.00E+04		
.698	760.3	.418	1.41E+05		
.775	816.3	.436	7.13E+04		
.851	839.5	.448	6.94E+04		
.927	855.2	.459	6.84E+04		
1.003	872.5	.471	6.96E+04		
1.067	843.6	.480	6.09E+04	4.14E+03	
1.156	885.0	.492	6.44E+04	6.22E+02	
1.232	840.0	.502	6.47E+04		
1.257	865.7	.506	7.02E+04		
1.321	894.5	.516	6.54E+04		
1.384	939.6	.525	6.54E+04		
1.460	947.2	.535	6.45E+04		
1.511	944.7	.542	6.02E+04		
1.562	935.4	.549	6.38E+04		
1.613	966.9	.556	6.29E+04		
1.689	986.8	.567	6.21E+04		
1.765	995.7	.577	6.10E+04		
1.816	991.3	.583	5.76E+04		
1.867	972.2	.590	6.03E+04		
1.918	977.8	.597	5.99E+04		
1.994	989.1	.606	5.68E+04		
2.070	999.0	.616	5.62E+04		

INEL POST-CHF EXPERIMENT NO. 91

POINT SERIAL NO. 1091.070 (TIME= 225.50 SEC)

LOOP PRESSURE(PE-3) 16.13 MPA
 FCV TEMPERATURE(TE-FCV-1T) 613.1 K
 LHP INLET ENTHALPY 1.589E+06 J/KG
 TEST SECTION:
 PRESSURE 3.56 MPA
 SAT TEMP 516.74 K
 MASS FLUX 16.79 KG/SEC-M**2
 INLET QUALITY .306
 INLET ENTHALPY 1.589E+06 J/KG
 QUENCH FRONT:
 ELEVATION .694 M
 VELOCITY .0049 M/SEC
 QUALITY .445
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.538	691.2	.638	.520

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION			HEAT LOSS W/M**2
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2		
.013	524.8	.308	1.91E+04		
.051	526.5	.314	1.94E+04		
.063	523.3	.316	1.89E+04		
.089	530.3	.321	1.92E+04		
.114	524.1	.325	1.92E+04		
.140	522.2	.329	1.89E+04		
.165	523.1	.333	1.89E+04		
.317	523.4	.358	1.93E+04		
.394	531.7	.371	1.94E+04		
.470	540.4	.385	2.12E+04		
.546	549.4	.400	2.36E+04		
.622	542.7	.416	2.72E+04		
.698	730.9	.447	6.47E+04		
.775	808.4	.490	6.49E+04		
.851	852.0	.530	5.68E+04		
.927	879.6	.564	4.78E+04		
1.003	903.3	.593	3.85E+04		
1.067	860.9	.610	2.31E+04		
1.156	890.3	.626	1.87E+04		
1.232	892.2	.638	1.89E+04		
1.257	903.9	.643	2.09E+04		
1.321	888.0	.654	1.95E+04		
1.384	937.8	.665	1.89E+04		
1.460	953.3	.677	1.75E+04		
1.511	956.4	.684	1.59E+04		
1.562	954.2	.691	1.74E+04		
1.613	960.7	.699	1.71E+04		
1.689	971.4	.710	1.63E+04		
1.765	979.9	.720	1.49E+04		
1.816	980.0	.727	1.34E+04		
1.867	964.7	.733	1.41E+04		
1.918	949.9	.739	1.44E+04		
1.994	945.9	.748	1.22E+04		
2.070	952.1	.755	1.10E+04		

INEL POST-CHF EXPERIMENT NO. 91

POINT SERIAL NO. 2091.070 (TIME= 225.50 SEC)

LOOP PRESSURE(PE-3) 16.13 MPA
 FCV TEMPERATURE(TE-FCV-1T) 613.1 K
 LHP INLET ENTHALPY 1.589E+06 J/KG
 TEST SECTION:
 PRESSURE 3.56 MPA
 SAT TEMP 516.74 K
 MASS FLUX 16.79 KG/SEC-M**2
 INLET QUALITY .306
 INLET ENTHALPY 1.589E+06 J/KG
 QUENCH FRONT:
 ELEVATION .694 M
 VELOCITY .0049 M/SEC
 QUALITY .445
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.537	.843	795.9	.687	.496

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION			HEAT LOSS
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS	
(M)	(K)		W/M**2	W/M**2	
.013	524.8	.308	1.91E+04		
.051	526.5	.314	1.94E+04		
.063	523.3	.316	1.89E+04		
.089	530.3	.321	1.92E+04		
.114	524.1	.325	1.92E+04		
.140	522.2	.329	1.89E+04		
.165	523.1	.333	1.89E+04		
.317	523.4	.358	1.93E+04		
.394	531.7	.371	1.94E+04		
.470	540.4	.385	2.12E+04		
.546	549.4	.400	2.36E+04		
.622	542.7	.416	2.72E+04		
.698	730.9	.447	6.47E+04		
.775	808.4	.490	6.49E+04		
.851	852.0	.530	5.68E+04		
.927	879.6	.564	4.78E+04		
1.003	903.3	.593	3.85E+04		
1.067	860.9	.610	2.31E+04		
1.156	890.3	.626	1.87E+04		
1.232	892.2	.638	1.89E+04		
1.257	903.9	.643	2.09E+04		
1.321	888.0	.654	1.95E+04		
1.384	937.8	.665	1.89E+04		
1.460	953.3	.677	1.75E+04		
1.511	956.4	.684	1.59E+04		
1.562	954.2	.691	1.74E+04		
1.613	960.7	.699	1.71E+04		
1.689	971.4	.710	1.63E+04		
1.765	979.9	.720	1.49E+04		
1.816	980.9	.727	1.34E+04		
1.867	964.7	.733	1.41E+04		
1.918	949.9	.739	1.44E+04		
1.994	945.9	.748	1.22E+04		
2.070	952.1	.755	1.10E+04		

INEL POST-CHF EXPERIMENT NO. 91

POINT SERIAL NO. 1091.080 (TIME= 236.50 SEC)

LOOP PRESSURE(PE-3) 16.11 MPA
 FCV TEMPERATURE(TE-FCV-1T) 613.6 K
 LHP INLET ENTHALPY 1.593E+06 J/KG
 TEST SECTION:
 PRESSURE 3.57 MPA
 SAT TEMP 516.78 K
 MASS FLUX 16.79 KG/SEC-M**2
 INLET QUALITY .308
 INLET ENTHALPY 1.593E+06 J/KG
 QUENCH FRONT:
 ELEVATION .754 M
 VELOCITY .0072 M/SEC
 QUALITY .466
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.232	.478	642.5	.661	.551

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION			HEAT LOSS
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS	
(M)	(K)		W/M**2	W/M**2	
.013	524.2	.310	1.91E+04		
.051	525.9	.317	1.92E+04		
.063	522.8	.319	1.91E+04		
.089	529.5	.323	1.93E+04		
.114	523.4	.327	1.92E+04		
.140	521.9	.332	1.89E+04		
.165	522.8	.336	1.90E+04		
.317	522.6	.361	1.93E+04		
.394	530.2	.374	1.97E+04		
.470	537.7	.387	2.07E+04		
.546	544.2	.402	2.24E+04		
.622	536.4	.417	2.38E+04		
.698	618.3	.440	4.54E+04		
.775	726.6	.476	6.37E+04		
.851	784.0	.519	6.76E+04		
.927	833.8	.559	5.34E+04		
1.003	860.9	.594	5.05E+04		
1.067	841.5	.617	3.48E+04		
1.156	878.7	.642	2.84E+04		
1.232	879.9	.661	2.91E+04		
1.257	885.3	.667	3.31E+04		
1.321	878.1	.684	2.63E+04		
1.384	929.7	.698	2.46E+04		
1.460	949.1	.713	2.18E+04		
1.511	954.5	.722	1.91E+04		
1.562	953.0	.731	2.00E+04		
1.613	960.2	.740	1.95E+04		
1.689	972.5	.752	1.83E+04		
1.765	982.6	.764	1.69E+04		
1.816	984.0	.771	1.53E+04		
1.867	968.5	.778	1.61E+04		
1.918	953.4	.785	1.64E+04		
1.994	952.1	.795	1.41E+04		
2.070	959.7	.804	1.30E+04		

INEL POST-CHF EXPERIMENT NO. 91

POINT SERIAL NO. 2091.080 (TIME= 236.50 SEC)

LOOP PRESSURE(PE-3) 16.11 MPA
 FCV TEMPERATURE(TE-FCV-1T) 613.6 K
 LHP INLET ENTHALPY 1.594E+06 J/KG
 TEST SECTION:
 PRESSURE 3.57 MPA
 SAT TEMP 516.78 K
 MASS FLUX 16.79 KG/SEC-M**2
 INLET QUALITY .308
 INLET ENTHALPY 1.594E+06 J/KG
 QUENCH FRONT:
 ELEVATION .754 M
 VELOCITY .0072 M/SEC
 QUALITY .466
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.537 .783 786.7 .718 .524

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013	524.3	.310	1.91E+04	
.051	525.9	.317	1.92E+04	
.063	522.8	.319	1.91E+04	
.089	529.5	.323	1.93E+04	
.114	523.5	.327	1.92E+04	
.140	521.9	.332	1.90E+04	
.165	522.8	.336	1.90E+04	
.317	522.7	.361	1.93E+04	
.394	530.2	.374	1.97E+04	
.470	537.8	.387	2.08E+04	
.546	544.5	.402	2.25E+04	
.622	537.4	.418	2.71E+04	
.698	626.0	.442	4.35E+04	
.775	719.7	.475	5.88E+04	
.851	776.5	.516	6.33E+04	
.927	832.8	.555	5.53E+04	
1.003	859.2	.589	4.78E+04	
1.067	839.7	.612	3.41E+04	
1.156	877.4	.636	2.75E+04	
1.232	878.3	.654	2.89E+04	
1.257	884.1	.661	3.15E+04	
1.321	877.5	.676	2.54E+04	
1.384	929.3	.690	2.37E+04	
1.460	948.7	.705	2.12E+04	
1.511	954.2	.714	1.87E+04	
1.562	952.7	.722	1.97E+04	
1.613	959.8	.731	1.92E+04	
1.689	972.2	.743	1.81E+04	
1.765	982.3	.755	1.67E+04	
1.816	983.7	.762	1.52E+04	
1.867	968.2	.768	1.60E+04	
1.918	953.1	.776	1.62E+04	
1.994	951.8	.786	1.40E+04	
2.070	959.4	.795	1.29E+04	

INEL POST-CHF EXPERIMENT NO. 91

POINT SERIAL NO. 1091.090 (TIME= 247.50 SEC)

LOOP PRESSURE(PE-3) 16.06 MPA
 FCV TEMPERATURE(TE-FCV-1T) 614.0 K
 LHP INLET ENTHALPY 1.597E+06 J/KG
 TEST SECTION:
 PRESSURE 3.56 MPA
 SAT TEMP 516.74 K
 MASS FLUX 16.80 KG/SEC-M**2
 INLET QUALITY .310
 INLET ENTHALPY 1.597E+06 J/KG
 QUENCH FRONT:
 ELEVATION .835 M
 VELOCITY .0081 M/SEC
 QUALITY .492
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.232 .397 610.7 .657 .577

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013	523.8	.312	1.91E+04	
.051	525.3	.319	1.91E+04	
.063	522.4	.321	1.91E+04	
.089	528.0	.325	1.92E+04	
.114	522.8	.329	1.92E+04	
.140	521.7	.333	1.89E+04	
.165	522.4	.338	1.90E+04	
.317	522.0	.363	1.95E+04	
.394	528.8	.376	1.97E+04	
.470	535.2	.389	2.04E+04	
.546	539.9	.403	2.14E+04	
.622	531.7	.417	2.14E+04	
.698	566.9	.435	3.38E+04	
.775	624.0	.463	5.06E+04	
.851	710.2	.499	5.87E+04	
.927	763.7	.541	6.73E+04	
1.003	818.7	.581	5.35E+04	
1.067	816.8	.607	4.02E+04	
1.156	863.4	.635	3.24E+04	
1.232	861.2	.657	3.46E+04	
1.257	865.4	.665	3.59E+04	
1.321	867.9	.682	2.81E+04	
1.384	922.5	.697	2.56E+04	
1.460	945.3	.713	2.27E+04	
1.511	952.3	.723	2.01E+04	
1.562	951.1	.732	2.12E+04	
1.613	958.8	.741	2.07E+04	
1.689	972.6	.754	1.94E+04	
1.765	984.2	.767	1.81E+04	
1.816	986.0	.774	1.66E+04	
1.867	970.9	.782	1.76E+04	
1.918	955.7	.790	1.77E+04	
1.994	957.0	.801	1.55E+04	
2.070	965.9	.811	1.44E+04	

INEL POST-CHF EXPERIMENT NO. 91

POINT SERIAL NO. 2091.090 (TIME= 248.50 SEC)

LOOP PRESSURE(PE-3) 16.06 MPA
 FCV TEMPERATURE(TE-FCV-1T) 614.0 K
 LHP INLET ENTHALPY 1.597E+06 J/KG
 TEST SECTION:
 PRESSURE 3.56 MPA
 SAT TEMP 516.73 K
 MASS FLUX 16.80 KG/SEC-M**2
 INLET QUALITY .310
 INLET ENTHALPY 1.597E+06 J/KG
 QUENCH FRONT:
 ELEVATION .843 M
 VELOCITY .0081 M/SEC
 QUALITY .494
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.693	737.9	.727	.549

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	523.7	.312	1.91E+04	
.051	525.2	.319	1.91E+04	
.063	522.3	.321	1.90E+04	
.089	528.7	.325	1.92E+04	
.114	522.8	.329	1.92E+04	
.140	521.6	.334	1.90E+04	
.165	522.4	.338	1.90E+04	
.317	521.9	.363	1.92E+04	
.394	528.7	.376	1.97E+04	
.470	535.0	.389	2.03E+04	
.546	539.6	.403	2.14E+04	
.622	531.4	.417	2.13E+04	
.698	563.9	.435	3.28E+04	
.775	617.8	.462	4.98E+04	
.851	694.2	.498	5.85E+04	
.927	756.6	.540	6.74E+04	
1.003	814.7	.580	5.42E+04	
1.067	814.4	.606	4.07E+04	
1.156	861.9	.634	3.27E+04	
1.232	859.3	.657	3.50E+04	
1.257	863.6	.665	3.60E+04	
1.321	866.9	.682	2.82E+04	
1.384	921.8	.697	2.58E+04	
1.460	944.9	.713	2.28E+04	
1.511	952.1	.723	2.03E+04	
1.562	950.8	.732	2.14E+04	
1.613	958.6	.741	2.09E+04	
1.689	972.6	.755	1.96E+04	
1.765	984.4	.767	1.82E+04	
1.816	986.2	.775	1.67E+04	
1.867	971.1	.783	1.77E+04	
1.918	955.9	.790	1.78E+04	
1.994	957.4	.801	1.56E+04	
2.070	966.4	.811	1.45E+04	

INEL POST-CHF EXPERIMENT NO. 91

POINT SERIAL NO. 1091.101 (TIME= 258.50 SEC)

(INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 16.09 MPA
 FCV TEMPERATURE(TE-FCV-1T) 614.0 K
 LHP INLET ENTHALPY 1.597E+06 J/KG
 TEST SECTION:
 PRESSURE 3.56 MPA
 SAT TEMP 516.73 K
 MASS FLUX 16.78 KG/SEC-M**2
 INLET QUALITY .310
 INLET ENTHALPY 1.597E+06 J/KG
 QUENCH FRONT:
 ELEVATION .921 M
 VELOCITY .0073 M/SEC
 QUALITY .516
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.311	595.0	.635	.560

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	523.4	.312	1.91E+04	
.051	524.8	.319	1.92E+04	
.063	522.0	.321	1.91E+04	
.089	528.2	.325	1.93E+04	
.114	522.3	.329	1.92E+04	
.140	521.5	.334	1.90E+04	
.165	522.2	.338	1.90E+04	
.317	521.4	.363	1.92E+04	
.394	527.6	.376	1.97E+04	
.470	533.3	.389	2.02E+04	
.546	537.1	.403	2.10E+04	
.622	529.3	.417	2.08E+04	
.698	556.0	.433	2.91E+04	
.775	592.2	.456	4.07E+04	
.851	645.4	.485	4.71E+04	
.927	690.0	.519	5.48E+04	
1.003	738.5	.554	4.95E+04	
1.067	787.6	.579	4.25E+04	
1.156	843.6	.608	3.40E+04	
1.232	830.6	.635	4.62E+04	
1.257	841.6	.644	3.96E+04	
1.321	854.3	.664	3.11E+04	
1.384	910.2	.681	3.07E+04	
1.460	936.5	.700	2.80E+04	
1.511	944.9	.712	2.54E+04	
1.562	942.8	.724	2.77E+04	
1.613	952.2	.736	2.60E+04	
1.689	968.7	.752	2.37E+04	
1.765	982.9	.767	2.18E+04	
1.816	985.2	.777	2.02E+04	
1.867	970.6	.785	2.02E+04	
1.918	955.5	.794	2.02E+04	
1.994	959.5	.807	1.76E+04	
2.070	969.8	.818	1.64E+04	

INEL POST-CHF EXPERIMENT NO. 91

POINT SERIAL NO. 2091.100 (TIME= 258.50 SEC)

LOOP PRESSURE(PE-3) 16.09 MPA
 FCV TEMPERATURE(TE-FCV-1T) 614.4 K
 LHP INLET ENTHALPY 1.600E+06 J/KG
 TEST SECTION:
 PRESSURE 3.56 MPA
 SAT TEMP 516.73 K
 MASS FLUX 16.78 KG/SEC-M**2
 INLET QUALITY .312
 INLET ENTHALPY 1.600E+06 J/KG
 QUENCH FRONT:
 ELEVATION .921 M
 VELOCITY .0073 M/SEC
 QUALITY .514
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.616	708.7	.714	.556

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	523.3	.314	1.91E+04	
.051	524.8	.320	1.91E+04	
.063	522.0	.322	1.91E+04	
.089	528.1	.327	1.92E+04	
.114	522.2	.331	1.91E+04	
.140	521.4	.335	1.89E+04	
.165	522.1	.339	1.90E+04	
.317	521.3	.365	1.92E+04	
.394	527.4	.377	1.96E+04	
.470	533.0	.391	2.02E+04	
.546	536.3	.404	2.07E+04	
.622	528.3	.418	2.03E+04	
.698	549.2	.432	2.38E+04	
.775	552.1	.449	2.66E+04	
.851	592.6	.475	5.07E+04	
.927	701.1	.517	7.87E+04	
1.003	773.7	.561	5.41E+04	
1.067	788.3	.588	4.37E+04	
1.156	845.2	.619	3.57E+04	
1.232	838.7	.644	3.93E+04	
1.257	843.2	.652	3.67E+04	
1.321	856.4	.670	2.77E+04	
1.384	914.5	.684	2.44E+04	
1.460	940.8	.700	2.21E+04	
1.511	949.5	.709	2.04E+04	
1.562	948.5	.719	2.21E+04	
1.613	956.8	.728	2.18E+04	
1.689	972.1	.742	2.06E+04	
1.765	985.3	.756	1.92E+04	
1.816	987.4	.764	1.78E+04	
1.867	972.6	.772	1.90E+04	
1.918	957.3	.780	1.90E+04	
1.994	961.2	.792	1.71E+04	
2.070	971.4	.803	1.58E+04	

INEL POST-CHF EXPERIMENT NO. 91

POINT SERIAL NO. 3091.100 (TIME= 258.50 SEC)

LOOP PRESSURE(PE-3) 16.09 MPA
 FCV TEMPERATURE(TE-FCV-1T) 614.4 K
 LHP INLET ENTHALPY 1.600E+06 J/KG
 TEST SECTION:
 PRESSURE 3.56 MPA
 SAT TEMP 516.73 K
 MASS FLUX 16.78 KG/SEC-M**2
 INLET QUALITY .312
 INLET ENTHALPY 1.600E+06 J/KG
 QUENCH FRONT:
 ELEVATION .921 M
 VELOCITY .0073 M/SEC
 QUALITY .514
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	.920	787.9	.768	.552

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	523.3	.314	1.91E+04	
.051	524.8	.320	1.91E+04	
.063	522.0	.322	1.91E+04	
.089	528.1	.327	1.92E+04	
.114	522.2	.331	1.91E+04	
.140	521.4	.335	1.89E+04	
.165	522.1	.339	1.90E+04	
.317	521.3	.365	1.92E+04	
.394	527.4	.377	1.96E+04	
.470	533.0	.391	2.02E+04	
.546	536.3	.404	2.07E+04	
.622	528.3	.418	2.03E+04	
.698	549.2	.432	2.38E+04	
.775	552.1	.449	2.66E+04	
.851	592.6	.475	5.07E+04	
.927	701.1	.517	7.87E+04	
1.003	773.7	.561	5.41E+04	
1.067	788.3	.588	4.37E+04	
1.156	845.2	.619	3.57E+04	
1.232	838.7	.644	3.93E+04	
1.257	843.2	.652	3.67E+04	
1.321	856.4	.670	2.77E+04	
1.384	914.5	.684	2.44E+04	
1.460	940.8	.700	2.21E+04	
1.511	949.5	.709	2.04E+04	
1.562	948.5	.719	2.21E+04	
1.613	956.8	.728	2.18E+04	
1.689	972.1	.742	2.06E+04	
1.765	985.3	.756	1.92E+04	
1.816	987.4	.764	1.78E+04	
1.867	972.6	.772	1.90E+04	
1.918	957.3	.780	1.90E+04	
1.994	961.2	.792	1.71E+04	
2.070	971.4	.803	1.58E+04	

INEL POST-CHF EXPERIMENT NO. 91

POINT SERIAL NO. 1091.111 (TIME= 271.50 SEC)
 (INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 16.08 MPA
 FCV TEMPERATURE(TE-FCV-1T) 614.2 K
 LHP INLET ENTHALPY 1.598E+06 J/KG
 TEST SECTION:
 PRESSURE 3.57 MPA
 SAT TEMP 516.78 K
 MASS FLUX 16.78 KG/SEC-M**2
 INLET QUALITY .311
 INLET ENTHALPY 1.598E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.001 M
 VELOCITY .0051 M/SEC
 QUALITY .527
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 (INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.231	570.0	.625	.571

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	523.0	.313	1.91E+04	
.051	524.4	.319	1.91E+04	
.063	521.6	.321	1.91E+04	
.089	527.5	.326	1.92E+04	
.114	521.8	.330	1.92E+04	
.140	521.2	.334	1.90E+04	
.165	521.9	.338	1.57E+04	
.317	520.8	.364	1.92E+04	
.394	526.3	.376	1.96E+04	
.470	531.2	.390	2.00E+04	
.546	534.0	.403	2.05E+04	
.622	526.7	.416	2.01E+04	
.698	544.6	.431	2.30E+04	
.775	547.6	.448	2.84E+04	
.851	589.4	.470	3.87E+04	
.927	632.0	.498	4.76E+04	
1.003	659.4	.528	4.23E+04	
1.067	742.9	.554	5.13E+04	
1.156	814.6	.591	4.51E+04	
1.232	776.7	.625	5.68E+04	
1.257	806.0	.636	4.55E+04	
1.321	835.7	.658	3.17E+04	
1.384	892.2	.675	3.16E+04	
1.460	922.5	.695	2.93E+04	
1.511	932.7	.708	2.73E+04	
1.562	929.5	.720	2.90E+04	
1.613	941.4	.732	2.72E+04	
1.689	961.3	.750	2.48E+04	
1.765	977.7	.766	2.33E+04	
1.816	980.9	.775	2.14E+04	
1.867	967.6	.785	2.21E+04	
1.918	953.2	.795	2.13E+04	
1.994	960.5	.808	1.92E+04	
2.070	972.5	.820	1.79E+04	

INEL POST-CHF EXPERIMENT NO. 91

POINT SERIAL NO 2091.111 (TIME= 271.50 SEC)
 (INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 16.08 MPA
 FCV TEMPERATURE(TE-FCV-1T) 614.2 K
 LHP INLET ENTHALPY 1.598E+06 J/KG
 TEST SECTION:
 PRESSURE 3.57 MPA
 SAT TEMP 516.78 K
 MASS FLUX 16.78 KG/SEC-M**2
 INLET QUALITY .311
 INLET ENTHALPY 1.598E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.001 M
 VELOCITY .0051 M/SEC
 QUALITY .516
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 (INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.536	652.0	.685	.565

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	522.9	.313	1.91E+04	
.051	524.3	.320	1.92E+04	
.063	521.6	.322	1.91E+04	
.089	527.4	.326	1.91E+04	
.114	521.7	.330	1.91E+04	
.140	521.2	.334	1.89E+04	
.165	521.9	.339	1.90E+04	
.317	520.8	.364	1.92E+04	
.394	526.1	.377	1.97E+04	
.470	530.9	.390	2.00E+04	
.546	533.5	.403	2.03E+04	
.622	526.2	.416	1.99E+04	
.698	542.6	.430	2.20E+04	
.775	543.0	.445	2.26E+04	
.851	560.0	.461	2.64E+04	
.927	581.2	.485	4.55E+04	
1.003	666.0	.516	4.96E+04	
1.067	752.3	.541	4.10E+04	
1.156	820.1	.571	3.58E+04	
1.232	801.9	.598	4.64E+04	
1.257	815.7	.608	3.85E+04	
1.321	840.9	.627	3.16E+04	
1.384	900.8	.645	3.32E+04	
1.460	931.2	.666	3.01E+04	
1.511	940.8	.679	2.77E+04	
1.562	938.9	.691	3.04E+04	
1.613	949.0	.704	2.84E+04	
1.689	967.5	.722	2.48E+04	
1.765	983.7	.737	2.17E+04	
1.816	986.4	.747	2.01E+04	
1.867	971.7	.756	2.08E+04	
1.918	956.7	.765	2.05E+04	
1.994	963.5	.778	1.82E+04	
2.070	975.4	.789	1.69E+04	

INEL POST-CHF EXPERIMENT NO. 91

POINT SERIAL NO. 3091.110 (TIME= 270.50 SEC)

LOOP PRESSURE(PE-3) 16.07 MPA
 FCV TEMPERATURE(TE-FCV-1T) 614.2 K
 LHP INLET ENTHALPY 1.599E+06 J/KG
 TEST SECTION:
 PRESSURE 3.57 MPA
 SAT TEMP 516.78 K
 MASS FLUX 16.78 KG/SEC-M**2
 INLET QUALITY .311
 INLET ENTHALPY 1.599E+06 J/KG

QUENCH FRONT:
 ELEVATION .996 M
 VELOCITY .0051 M/SEC
 QUALITY .517
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	.845	770.4	.746	.545

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	522.9	.313	1.91E+04	
.051	524.3	.320	1.91E+04	
.063	521.6	.322	1.91E+04	
.089	527.5	.326	1.92E+04	
.114	521.7	.330	1.92E+04	
.140	521.2	.334	1.90E+04	
.165	521.9	.339	1.90E+04	
.317	520.8	.364	1.92E+04	
.394	526.3	.377	1.97E+04	
.470	531.0	.390	2.00E+04	
.546	533.7	.403	2.03E+04	
.622	526.3	.417	1.99E+04	
.698	543.0	.431	2.21E+04	
.775	543.5	.445	2.29E+04	
.851	561.0	.462	2.68E+04	
.927	584.7	.487	4.92E+04	
1.003	691.3	.520	4.99E+04	
1.067	754.9	.545	4.13E+04	
1.156	822.0	.575	3.54E+04	
1.232	805.2	.602	4.59E+04	
1.257	817.9	.611	3.68E+04	
1.321	842.2	.629	3.02E+04	
1.384	902.2	.646	3.07E+04	
1.460	932.3	.665	2.80E+04	
1.511	941.8	.677	2.60E+04	
1.562	940.0	.689	2.82E+04	
1.613	949.9	.701	2.65E+04	
1.689	968.0	.718	2.33E+04	
1.765	981.9	.733	2.09E+04	
1.816	980.6	.741	1.92E+04	
1.867	971.8	.750	2.04E+04	
1.918	956.0	.759	2.01E+04	
1.994	963.4	.772	1.79E+04	
2.070	975.1	.783	1.67E+04	

INEL POST-CHF EXPERIMENT NO. 91

POINT SERIAL NO. 2091.121 (TIME= 287.50 SEC)

[INFERRED VAPOR TEMP]
 LOOP PRESSURE(PE-3) 16.12 MPA
 FCV TEMPERATURE(TE-FCV-1T) 614.1 K
 LHP INLET ENTHALPY 1.597E+06 J/KG
 TEST SECTION:
 PRESSURE 3.56 MPA
 SAT TEMP 516.71 K
 MASS FLUX 16.79 KG/SEC-M**2
 INLET QUALITY .310
 INLET ENTHALPY 1.597E+06 J/KG

QUENCH FRONT:
 ELEVATION 1.090 M
 VELOCITY .0050 M/SEC
 QUALITY .531
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	1.537	615.0	.710	.611

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	522.6	.313	1.91E+04	
.051	523.9	.319	1.92E+04	
.063	521.2	.321	1.91E+04	
.089	526.9	.325	1.92E+04	
.114	521.3	.329	1.92E+04	
.140	521.0	.334	1.90E+04	
.165	521.6	.338	1.91E+04	
.317	520.3	.363	1.92E+04	
.394	525.0	.376	1.95E+04	
.470	529.1	.389	1.98E+04	
.546	531.2	.402	2.01E+04	
.622	524.6	.415	1.97E+04	
.698	538.0	.429	2.11E+04	
.775	537.6	.443	2.15E+04	
.851	550.9	.458	2.32E+04	
.927	561.0	.475	2.71E+04	
1.003	571.4	.494	3.31E+04	
1.067	691.7	.519	5.62E+04	
1.156	777.6	.563	5.73E+04	
1.232	712.9	.604	6.79E+04	
1.257	764.3	.619	6.45E+04	
1.321	815.1	.646	3.40E+04	
1.384	871.4	.666	3.62E+04	
1.460	905.7	.689	3.38E+04	
1.511	917.3	.703	3.19E+04	
1.562	912.4	.718	3.37E+04	
1.613	927.5	.732	3.09E+04	
1.689	951.8	.751	2.78E+04	
1.765	971.2	.769	2.61E+04	
1.816	975.4	.780	2.41E+04	
1.867	963.2	.791	2.45E+04	
1.918	949.8	.802	2.31E+04	
1.994	960.6	.816	2.10E+04	
2.070	974.6	.830	1.97E+04	

INEL POST-CHF EXPERIMENT NO. 91

POINT SERIAL NO. 3091.121 (TIME= 287.50 SEC)
 (INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 16.12 MPA
 FCV TEMPERATURE(TE-FCV-1T) 614.0 K
 LHP INLET ENTHALPY 1.597E+06 J/KG
 TEST SECTION:
 PRESSURE 3.56 MPA
 SAT TEMP 516.71 K
 MASS FLUX 16.79 KG/SEC-M**2
 INLET QUALITY .310
 INLET ENTHALPY 1.597E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.090 M
 VELOCITY .0050 M/SEC
 QUALITY .528
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 (INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.841	735.0	.805	.609

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	522.5	.312	1.91E+04	
.051	523.8	.319	1.91E+04	
.063	521.2	.321	1.91E+04	
.089	526.7	.325	1.91E+04	
.114	521.2	.329	1.92E+04	
.140	521.0	.333	1.90E+04	
.165	521.6	.337	1.91E+04	
.317	520.2	.363	1.92E+04	
.354	524.8	.376	1.95E+04	
.470	528.9	.389	1.98E+04	
.546	530.8	.402	2.00E+04	
.622	524.3	.415	1.97E+04	
.698	537.3	.428	2.10E+04	
.775	536.8	.442	2.13E+04	
.851	549.4	.457	2.25E+04	
.927	557.6	.473	2.51E+04	
1.003	544.4	.490	2.88E+04	
1.067	693.6	.516	6.51E+04	
1.156	786.5	.561	5.15E+04	
1.232	716.9	.606	8.44E+04	
1.257	766.2	.622	5.75E+04	
1.321	812.0	.648	3.71E+04	
1.384	867.6	.669	4.04E+04	
1.460	902.2	.695	3.83E+04	
1.511	914.3	.712	3.52E+04	
1.562	908.0	.728	3.80E+04	
1.613	923.9	.744	3.47E+04	
1.689	949.4	.766	3.13E+04	
1.765	969.7	.786	3.03E+04	
1.816	974.1	.799	2.78E+04	
1.867	962.7	.811	2.69E+04	
1.918	949.0	.823	2.54E+04	
1.994	960.7	.839	2.30E+04	
2.070	974.9	.853	2.16E+04	

INEL POST-CHF EXPERIMENT NO. 91

POINT SERIAL NO. 2091.131 (TIME= 298.50 SEC)
 (INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 16.14 MPA
 FCV TEMPERATURE(TE-FCV-1T) 614.1 K
 LHP INLET ENTHALPY 1.597E+06 J/KG
 TEST SECTION:
 PRESSURE 3.57 MPA
 SAT TEMP 516.80 K
 MASS FLUX 16.78 KG/SEC-M**2
 INLET QUALITY .311
 INLET ENTHALPY 1.597E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.156 M
 VELOCITY .0050 M/SEC
 QUALITY .572
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 (INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	1.537	600.0	.735	.644

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	522.3	.313	1.91E+04	
.051	523.6	.319	1.91E+04	
.063	521.0	.321	1.90E+04	
.089	526.5	.325	1.91E+04	
.114	521.0	.329	1.91E+04	
.140	520.9	.334	1.90E+04	
.165	521.5	.338	1.90E+04	
.317	520.0	.363	1.91E+04	
.394	524.3	.376	1.94E+04	
.470	528.0	.389	1.96E+04	
.546	529.7	.402	1.98E+04	
.622	523.6	.415	1.95E+04	
.698	535.2	.428	2.05E+04	
.775	534.3	.442	2.07E+04	
.851	545.7	.456	2.18E+04	
.927	551.8	.471	2.29E+04	
1.003	537.4	.486	2.25E+04	
1.067	635.7	.512	7.15E+04	
1.156	722.2	.572	8.38E+04	
1.232	630.7	.624	7.53E+04	
1.257	718.9	.642	8.97E+04	
1.321	795.0	.676	3.23E+04	
1.384	848.8	.694	3.31E+04	
1.460	885.1	.715	3.07E+04	
1.511	898.2	.728	2.94E+04	
1.562	891.5	.741	2.82E+04	
1.613	910.3	.753	2.67E+04	
1.689	938.5	.770	2.50E+04	
1.765	958.9	.787	2.51E+04	
1.816	964.5	.798	2.28E+04	
1.867	954.7	.808	2.56E+04	
1.918	942.9	.819	2.23E+04	
1.994	956.5	.833	2.16E+04	
2.070	972.2	.847	2.05E+04	

H-111

POINT SERIAL NO. 3091.131 (TIME= 299.50 SEC)
 {INFERRED VAPOR TEMP}
 LOOP PRESSURE(PE-3) 16.14 MPA
 FCV TEMPERATURE(TE-FCV-1T) 614.1 K
 LHP INLET ENTHALPY 1.597E+06 J/KG
 TEST SECTION:
 PRESSURE 3.57 MPA
 SAT TEMP 516.80 K
 MASS FLUX 16.78 KG/SEC-M**2
 INLET QUALITY .311
 INLET ENTHALPY 1.597E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.156 M
 VELOCITY .0050 M/SEC
 QUALITY .572
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 {INFERRED VAPOR TEMP}

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.841	712.0	.803	.621

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	522.3	.313	1.91E+04	
.051	523.6	.319	1.91E+04	
.063	521.0	.321	1.90E+04	
.089	526.5	.325	1.91E+04	
.114	521.0	.329	1.91E+04	
.140	520.9	.334	1.90E+04	
.165	521.5	.338	1.90E+04	
.317	520.0	.363	1.91E+04	
.394	524.3	.376	1.94E+04	
.470	528.0	.389	1.96E+04	
.546	529.7	.402	1.98E+04	
.622	523.6	.415	1.95E+04	
.698	535.2	.428	2.05E+04	
.775	534.3	.442	2.07E+04	
.851	545.7	.456	2.18E+04	
.927	551.8	.471	2.29E+04	
1.003	537.4	.486	2.25E+04	
1.067	635.7	.512	7.15E+04	
1.156	722.2	.572	8.38E+04	
1.232	630.7	.624	7.53E+04	
1.257	718.9	.642	8.97E+04	
1.321	795.0	.676	3.23E+04	
1.384	848.8	.694	3.31E+04	
1.460	385.1	.715	3.07E+04	
1.511	898.2	.728	2.94E+04	
1.562	891.3	.741	2.82E+04	
1.613	910.3	.753	2.67E+04	
1.689	938.5	.770	2.50E+04	
1.765	958.9	.787	2.51E+04	
1.816	964.5	.798	2.28E+04	
1.867	954.7	.808	2.56E+04	
1.918	942.9	.819	2.23E+04	
1.994	956.5	.833	2.16E+04	
2.070	972.2	.847	2.05E+04	

POINT SERIAL NO. 2091.140 (TIME= 303.50 SEC)
 LOOP PRESSURE(PE-3) 16.06 MPA
 FCV TEMPERATURE(TE-FCV-1T) 614.1 K
 LHP INLET ENTHALPY 1.598E+06 J/KG
 TEST SECTION:
 PRESSURE 3.57 MPA
 SAT TEMP 516.77 K
 MASS FLUX 16.77 KG/SEC-M**2
 INLET QUALITY .311
 INLET ENTHALPY 1.598E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.230 M
 VELOCITY .0050 M/SEC
 QUALITY .625
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	1.537	584.9	.735	.658

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	522.3	.313	1.91E+04	
.051	523.6	.319	1.92E+04	
.063	521.0	.321	1.91E+04	
.089	526.5	.326	1.91E+04	
.114	520.9	.330	1.91E+04	
.140	521.0	.334	1.90E+04	
.165	521.5	.338	1.91E+04	
.317	519.9	.364	1.92E+04	
.394	524.2	.376	1.94E+04	
.470	527.8	.389	1.96E+04	
.546	529.4	.402	1.98E+04	
.622	523.5	.415	1.95E+04	
.698	534.7	.429	2.05E+04	
.775	533.7	.442	2.06E+04	
.851	544.9	.456	2.16E+04	
.927	550.6	.471	2.25E+04	
1.003	536.2	.485	2.20E+04	
1.067	617.0	.509	6.36E+04	
1.156	680.9	.573	1.02E+05	
1.232	612.4	.626	5.89E+04	
1.257	677.4	.644	1.01E+05	
1.321	791.5	.681	3.04E+04	
1.384	845.2	.698	3.15E+04	
1.460	882.2	.717	2.78E+04	
1.511	895.4	.729	2.68E+04	
1.562	889.4	.741	2.49E+04	
1.613	908.8	.751	2.29E+04	
1.689	937.5	.766	2.11E+04	
1.765	958.0	.779	1.97E+04	
1.816	964.0	.788	1.89E+04	
1.867	953.4	.797	2.20E+04	
1.918	942.6	.806	1.96E+04	
1.994	956.2	.819	1.90E+04	
2.070	972.3	.831	1.79E+04	

INEL POST-CHF EXPERIMENT NO. 91

POINT SERIAL NO. 3091.140 (TIME= 303.50 SEC)

LOOP PRESSURE(PE-3) 16.06 MPA
 FCV TEMPERATURE(TE-FCV-1T) 614.1 K
 LHP INLET ENTHALPY 1.598E+06 J/KG
 TEST SECTION:
 PRESSURE 3.57 MPA
 SAT TEMP 516.77 K
 MASS FLUX 16.77 KG/SEC-M**2
 INLET QUALITY .311
 INLET ENTHALPY 1.598E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.230 M
 VELOCITY .0050 M/SEC
 QUALITY .625
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.841	714.6	.792	.620

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	522.3	.313	1.91E+04	
.051	523.6	.319	1.92E+04	
.063	521.0	.321	1.91E+04	
.089	526.5	.326	1.91E+04	
.114	520.9	.330	1.91E+04	
.140	521.0	.334	1.90E+04	
.165	521.5	.338	1.91E+04	
.317	519.9	.364	1.92E+04	
.394	524.2	.376	1.94E+04	
.470	527.8	.389	1.96E+04	
.546	529.4	.402	1.98E+04	
.622	523.5	.415	1.95E+04	
.698	534.7	.429	2.05E+04	
.775	533.7	.442	2.06E+04	
.851	544.9	.456	2.16E+04	
.927	550.6	.471	2.25E+04	
1.003	536.2	.485	2.20E+04	
1.067	617.0	.509	6.36E+04	
1.156	680.9	.573	1.02E+05	
1.232	612.4	.626	5.89E+04	
1.257	677.4	.644	1.01E+05	
1.321	791.5	.681	3.04E+04	
1.384	845.2	.698	3.15E+04	
1.460	882.2	.717	2.78E+04	
1.511	895.4	.729	2.68E+04	
1.562	889.4	.741	2.49E+04	
1.613	908.8	.751	2.29E+04	
1.689	937.5	.766	2.11E+04	
1.765	958.0	.779	1.97E+04	
1.816	964.0	.788	1.89E+04	
1.867	953.4	.797	2.20E+04	
1.918	942.6	.806	1.96E+04	
1.994	956.2	.819	1.90E+04	
2.070	972.3	.831	1.79E+04	

INEL POST-CHF EXPERIMENT NO. 92

POINT SERIAL NO. 1092.010 (TIME= 256.50 SEC)

LOOP PRESSURE(PE-3) 8.13 MPA
 FCV TEMPERATURE(TE-FCV-1T) 547.0 K
 LHP INLET ENTHALPY 1.204E+06 J/KG
 TEST SECTION:
 PRESSURE 3.57 MPA
 SAT TEMP 516.89 K
 MASS FLUX 30.15 KG/SEC-M**2
 INLET QUALITY .085
 INLET ENTHALPY 1.204E+06 J/KG
 QUENCH FRONT:
 ELEVATION .731 M
 VELOCITY .0060 M/SEC
 QUALITY .166
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.501	742.5	.253	.190

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	527.3	.086	1.26E+04	
.051	530.5	.088	1.23E+04	
.063	526.3	.089	1.27E+04	
.089	534.5	.090	1.28E+04	
.114	526.9	.092	1.28E+04	
.140	523.6	.094	1.22E+04	
.165	524.8	.095	1.22E+04	
.317	527.0	.104	1.29E+04	
.394	536.7	.109	1.30E+04	
.470	550.3	.114	1.46E+04	
.546	561.9	.120	1.78E+04	
.622	551.9	.127	2.02E+04	
.698	632.4	.149	9.94E+04	
.775	908.7	.188	1.14E+05	
.851	971.7	.216	3.90E+04	
.927	990.2	.228	2.40E+04	
1.003	992.1	.236	1.99E+04	
1.067	920.4	.241	1.55E+04	
1.156	958.3	.248	1.47E+04	
1.232	951.3	.253	1.45E+04	
1.257	966.4	.255	1.52E+04	
1.321	959.2	.260	1.42E+04	
1.384	1018.5	.264	1.47E+04	
1.461	1033.5	.269	1.34E+04	
1.511	1035.9	.272	1.19E+04	
1.562	1036.9	.275	1.25E+04	
1.613	1042.3	.278	1.16E+04	
1.689	1045.8	.282	9.89E+03	
1.765	1042.7	.286	8.04E+03	
1.816	1035.8	.287	6.17E+03	
1.867	1014.0	.289	5.55E+03	
1.918	980.8	.290	4.89E+03	
1.994	961.5	.292	3.70E+03	
2.070	945.6	.293	2.42E+03	

INEL POST-CHF EXPERIMENT NO. 92

POINT SERIAL NO. 2092.010 (TIME= 256.50 SEC)

LOOP PRESSURE(PE-3) 8.13 MPA
 FCV TEMPERATURE(TE-FCV-1T) 547.0 K
 LHP INLET ENTHALPY 1.204E+06 J/KG
 TEST SECTION:
 PRESSURE 3.57 MPA
 SAT TEMP 516.89 K
 MASS FLUX 30.15 KG/SEC-M**2
 INLET QUALITY .085
 INLET ENTHALPY 1.204E+06 J/KG
 QUENCH FRONT:
 ELEVATION .731 M
 VELOCITY .0060 M/SEC
 QUALITY .166
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.805	905.4	.274	.177

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION			HEAT LOSS W/M**2
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2		
.013	527.3	.086	1.26E+04		
.051	530.5	.088	1.23E+04		
.063	526.3	.089	1.27E+04		
.089	534.5	.090	1.28E+04		
.114	526.9	.092	1.28E+04		
.140	523.6	.094	1.22E+04		
.165	524.8	.095	1.22E+04		
.317	527.0	.104	1.29E+04		
.394	536.7	.109	1.30E+04		
.470	550.3	.114	1.46E+04		
.546	561.9	.120	1.78E+04		
.622	551.9	.127	2.02E+04		
.698	632.4	.149	9.94E+04		
.775	908.7	.188	1.14E+05		
.851	971.7	.216	3.90E+04		
.927	990.2	.228	2.40E+04		
1.003	992.1	.236	1.99E+04		
1.067	920.4	.241	1.55E+04		
1.156	958.3	.248	1.47E+04		
1.232	951.3	.253	1.45E+04		
1.257	966.4	.255	1.52E+04		
1.321	959.2	.260	1.42E+04		
1.384	1018.5	.264	1.47E+04		
1.461	1033.5	.269	1.34E+04		
1.511	1035.9	.272	1.15E+04		
1.562	1036.9	.275	1.25E+04		
1.613	1042.3	.278	1.16E+04		
1.689	1045.8	.282	9.89E+03		
1.765	1042.7	.286	8.04E+03		
1.816	1035.8	.287	6.17E+03		
1.867	1014.0	.289	5.55E+03		
1.918	980.8	.290	4.89E+03		
1.994	961.5	.292	3.70E+03		
2.070	945.6	.293	2.42E+03		

INEL POST-CHF EXPERIMENT NO. 92

POINT SERIAL NO. 1092.020 (TIME= 263.50 SEC)

LOOP PRESSURE(PE-3) 7.95 MPA
 FCV TEMPERATURE(TE-FCV-1T) 547.4 K
 LHP INLET ENTHALPY 1.206E+06 J/KG
 TEST SECTION:
 PRESSURE 3.57 MPA
 SAT TEMP 516.81 K
 MASS FLUX 30.18 KG/SEC-M**2
 INLET QUALITY .086
 INLET ENTHALPY 1.206E+06 J/KG
 QUENCH FRONT:
 ELEVATION .784 M
 VELOCITY .0077 M/SEC
 QUALITY .172
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.448	727.0	.269	.206

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION			HEAT LOSS W/M**2
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2		
.013	526.9	.087	1.27E+04		
.051	530.2	.090	1.28E+04		
.063	525.9	.090	1.25E+04		
.089	533.7	.092	1.31E+04		
.114	526.1	.094	1.30E+04		
.140	523.3	.095	1.26E+04		
.165	524.5	.097	1.26E+04		
.317	526.2	.106	1.29E+04		
.394	535.7	.111	1.33E+04		
.470	548.5	.116	1.40E+04		
.546	557.2	.122	1.69E+04		
.622	546.1	.128	1.77E+04		
.698	598.4	.138	3.91E+04		
.775	692.3	.167	1.18E+05		
.851	920.3	.209	1.06E+05		
.927	973.3	.236	4.46E+04		
1.003	983.4	.249	2.67E+04		
1.067	917.1	.256	1.77E+04		
1.156	955.6	.263	1.63E+04		
1.232	948.6	.269	1.58E+04		
1.257	963.2	.271	1.75E+04		
1.321	956.8	.277	1.63E+04		
1.384	1015.6	.282	1.67E+04		
1.461	1031.6	.288	1.53E+04		
1.511	1034.5	.291	1.39E+04		
1.562	1035.7	.295	1.46E+04		
1.613	1041.6	.298	1.40E+04		
1.689	1046.4	.303	1.21E+04		
1.765	1044.9	.307	1.01E+04		
1.816	1038.7	.309	8.18E+03		
1.867	1018.2	.311	7.31E+03		
1.918	985.4	.313	7.14E+03		
1.994	967.5	.315	4.87E+03		
2.070	952.7	.317	3.52E+03		

INEL POST-CHF EXPERIMENT NO. 92

POINT SERIAL NO. 2092.020 (TIME= 263.50 SEC)

LOOP PRESSURE(PE-3) 7.95 MPA
 FCV TEMPERATURE(TE-FCV-1T) 547.4 K
 LHP INLET ENTHALPY 1.206E+06 J/KG
 TEST SECTION:
 PRESSURE 3.57 MPA
 SAT TEMP 516.81 K
 MASS FLUX 30.18 KG/SEC-M**2
 INLET QUALITY .086
 INLET ENTHALPY 1.206E+06 J/KG
 QUENCH FRONT:
 ELEVATION .784 M
 VELOCITY .0077 M/SEC
 QUALITY .172
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.753	878.6	.293	.194

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	526.9	.087	1.27E+04	
.051	530.2	.090	1.28E+04	
.063	525.9	.090	1.25E+04	
.089	533.7	.092	1.31E+04	
.114	526.1	.094	1.30E+04	
.140	523.3	.095	1.26E+04	
.165	524.5	.097	1.26E+04	
.317	526.2	.106	1.29E+04	
.394	535.7	.111	1.33E+04	
.470	548.5	.116	1.40E+04	
.546	557.2	.122	1.69E+04	
.622	546.1	.128	1.77E+04	
.698	598.4	.138	3.91E+04	
.775	692.3	.167	1.18E+05	
.851	920.3	.209	1.06E+05	
.927	973.3	.236	4.46E+04	
1.003	983.4	.249	2.67E+04	
1.067	917.1	.256	1.77E+04	
1.156	955.6	.263	1.63E+04	
1.232	948.6	.269	1.58E+04	
1.257	963.2	.271	1.75E+04	
1.321	956.8	.277	1.63E+04	
1.384	1015.6	.282	1.67E+04	
1.461	1031.6	.288	1.53E+04	
1.511	1034.5	.291	1.39E+04	
1.562	1035.7	.295	1.46E+04	
1.613	1041.6	.298	1.40E+04	
1.689	1046.4	.303	1.21E+04	
1.765	1044.9	.307	1.01E+04	
1.816	1038.7	.309	8.18E+03	
1.867	1018.2	.311	7.30E+03	
1.918	985.4	.313	7.14E+03	
1.994	967.5	.315	4.87E+03	
2.070	952.7	.317	3.52E+03	

INEL POST-CHF EXPERIMENT NO. 92

POINT SERIAL NO. 1092.030 (TIME= 271.50 SEC)

LOOP PRESSURE(PE-3) 7.97 MPA
 FCV TEMPERATURE(TE-FCV-1T) 547.5 K
 LHP INLET ENTHALPY 1.207E+06 J/KG
 TEST SECTION:
 PRESSURE 3.57 MPA
 SAT TEMP 516.84 K
 MASS FLUX 30.33 KG/SEC-M**2
 INLET QUALITY .087
 INLET ENTHALPY 1.207E+06 J/KG
 QUENCH FRONT:
 ELEVATION .842 M
 VELOCITY .0069 M/SEC
 QUALITY .180
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.390	714.3	.255	.199

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	526.5	.088	1.26E+04	
.051	529.5	.090	1.28E+04	
.063	525.5	.091	1.25E+04	
.089	533.1	.092	1.28E+04	
.114	525.5	.094	1.28E+04	
.140	523.0	.095	1.24E+04	
.165	524.1	.097	1.25E+04	
.317	525.6	.106	1.28E+04	
.394	534.4	.111	1.35E+04	
.470	546.3	.116	1.43E+04	
.546	552.9	.122	1.61E+04	
.622	541.6	.128	1.61E+04	
.698	581.1	.135	2.69E+04	
.775	614.7	.152	6.16E+04	
.851	770.0	.184	1.15E+05	
.927	934.0	.216	5.79E+04	
1.003	967.8	.232	3.34E+04	
1.067	911.0	.240	2.04E+04	
1.156	951.1	.249	1.77E+04	
1.232	944.2	.255	1.71E+04	
1.257	957.9	.257	1.90E+04	
1.321	953.2	.263	1.68E+04	
1.384	1011.9	.268	1.68E+04	
1.461	1029.1	.274	1.54E+04	
1.511	1032.7	.277	1.39E+04	
1.562	1033.7	.281	1.50E+04	
1.613	1040.3	.284	1.40E+04	
1.689	1046.8	.289	1.20E+04	
1.765	1046.8	.293	1.01E+04	
1.816	1041.5	.295	8.32E+03	
1.867	1022.1	.297	8.01E+03	
1.918	989.9	.299	7.38E+03	
1.994	973.8	.302	5.28E+03	
2.070	960.3	.303	3.92E+03	

POINT SERIAL NO. 2092.030 (TIME= 271.50 SEC)

LOOP PRESSURE{PE-3} 7.97 MPA
 FCV TEMPERATURE{TE-FCV-1T} 547.5 K
 LHP INLET ENTHALPY 1.207E+06 J/KG
 TEST SECTION:
 PRESSURE 3.57 MPA
 SAT TEMP 516.84 K
 MASS FLUX 30.33 KG/SEC-M**2
 INLET QUALITY .087
 INLET ENTHALPY 1.207E+06 J/KG
 QUENCH FRONT:
 ELEVATION .842 M
 VELOCITY .0069 M/SEC
 QUALITY .180
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.694	868.2	.279	.186

WALL TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	526.5	.088	1.26E+04	
.051	529.5	.090	1.28E+04	
.063	525.5	.091	1.25E+04	
.089	533.1	.092	1.28E+04	
.114	525.5	.094	1.28E+04	
.140	523.0	.095	1.24E+04	
.165	524.1	.097	1.25E+04	
.317	525.6	.106	1.28E+04	
.394	534.4	.111	1.35E+04	
.470	546.3	.116	1.43E+04	
.546	552.9	.122	1.61E+04	
.622	541.6	.128	1.61E+04	
.698	581.1	.135	2.69E+04	
.775	614.7	.152	6.16E+04	
.851	770.0	.184	1.15E+05	
.927	934.0	.216	5.79E+04	
1.003	967.8	.232	3.34E+04	
1.067	911.0	.240	2.04E+04	
1.156	951.1	.249	1.77E+04	
1.232	944.2	.255	1.71E+04	
1.257	957.9	.257	1.90E+04	
1.321	953.2	.263	1.68E+04	
1.384	1011.9	.268	1.68E+04	
1.461	1029.1	.274	1.54E+04	
1.511	1032.7	.277	1.7E+04	
1.562	1033.7	.281	1.50E+04	
1.613	1040.3	.284	1.40E+04	
1.689	1046.8	.289	1.20E+04	
1.765	1046.8	.293	1.01E+04	
1.816	1041.5	.295	8.32E+03	
1.867	1022.1	.297	8.01E+03	
1.918	989.9	.299	7.38E+03	
1.994	973.8	.302	5.28E+03	
2.070	960.3	.303	3.92E+03	

POINT SERIAL NO. 1092.040 (TIME= 286.50 SEC)

LOOP PRESSURE{PE-3} 7.98 MPA
 FCV TEMPERATURE{TE-FCV-1T} 547.1 K
 LHP INLET ENTHALPY 1.205E+06 J/KG
 TEST SECTION:
 PRESSURE 3.58 MPA
 SAT TEMP 516.97 K
 MASS FLUX 30.63 KG/SEC-M**2
 INLET QUALITY .085
 INLET ENTHALPY 1.205E+06 J/KG
 QUENCH FRONT:
 ELEVATION .913 M
 VELOCITY .0029 M/SEC
 QUALITY .164
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.319	681.8	.217	.175

WALL TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	525.9	.086	1.26E+04	
.051	528.8	.089	1.27E+04	
.063	524.9	.089	1.27E+04	
.089	532.1	.091	1.29E+04	
.114	524.7	.092	1.27E+04	
.140	522.7	.094	1.24E+04	
.165	523.8	.095	1.25E+04	
.317	524.5	.105	1.28E+04	
.394	531.9	.109	1.36E+04	
.470	542.0	.114	1.44E+04	
.546	546.5	.120	1.51E+04	
.622	535.8	.125	1.46E+04	
.698	562.8	.131	1.88E+04	
.775	564.0	.138	2.07E+04	
.851	584.6	.149	3.93E+04	
.927	761.2	.168	6.25E+04	
1.003	920.5	.188	5.10E+04	
1.067	894.3	.200	2.51E+04	
1.156	940.2	.209	2.02E+04	
1.232	933.7	.217	1.92E+04	
1.257	946.0	.219	2.08E+04	
1.321	945.5	.225	1.77E+04	
1.384	1004.8	.230	1.75E+04	
1.460	1024.1	.236	1.61E+04	
1.511	1028.8	.240	1.47E+04	
1.562	1029.3	.244	1.58E+04	
1.613	1037.6	.247	1.45E+04	
1.689	1047.4	.252	1.24E+04	
1.765	1050.3	.256	1.06E+04	
1.816	1046.4	.259	9.00E+03	
1.867	1028.3	.261	9.11E+03	
1.918	997.4	.263	8.28E+03	
1.994	984.9	.266	6.04E+03	
2.070	973.6	.267	4.94E+03	

INEL POST-CHF EXPERIMENT NO. 92

POINT SERIAL NO. 2092.040 (TIME= 287.50 SEC)

LOOP PRESSURE(PE-3) 8.00 MPA
 FCV TEMPERATURE(TE-FCV-1T) 547.1 K
 LHP INLET ENTHALPY 1.205E+06 J/KG
 TEST SECTION:
 PRESSURE 3.58 MPA
 SAT TEMP 516.96 K
 MASS FLUX 30.67 KG/SEC-M**2
 INLET QUALITY .085
 INLET ENTHALPY 1.205E+06 J/KG
 QUENCH FRONT:
 ELEVATION .915 M
 VELOCITY .0029 M/SEC
 QUALITY .163
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.621	864.5	.240	.163

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	525.8	.086	1.26E+04	
.051	528.7	.088	1.27E+04	
.063	524.8	.089	1.26E+04	
.089	532.1	.091	1.29E+04	
.114	524.6	.092	1.27E+04	
.140	522.6	.094	1.25E+04	
.165	523.7	.095	1.25E+04	
.317	524.5	.104	1.28E+04	
.394	531.7	.109	1.35E+04	
.470	541.8	.114	1.43E+04	
.546	546.1	.120	1.51E+04	
.622	535.5	.125	1.45E+04	
.698	562.0	.131	1.85E+04	
.775	563.0	.138	2.03E+04	
.851	582.2	.148	3.35E+04	
.927	721.5	.165	6.32E+04	
1.003	916.2	.186	5.17E+04	
1.067	892.9	.198	2.55E+04	
1.156	939.3	.207	2.04E+04	
1.232	932.9	.215	1.93E+04	
1.257	945.1	.217	2.09E+04	
1.321	945.0	.223	1.78E+04	
1.384	1004.3	.228	1.75E+04	
1.460	1023.7	.234	1.62E+04	
1.511	1028.5	.238	1.47E+04	
1.562	1028.9	.242	1.58E+04	
1.613	1037.4	.245	1.46E+04	
1.689	1047.4	.250	1.25E+04	
1.765	1050.5	.254	1.07E+04	
1.816	1046.7	.257	9.06E+03	
1.867	1028.7	.259	9.16E+03	
1.918	997.9	.261	8.32E+03	
1.994	985.6	.264	6.07E+03	
2.070	974.4	.266	4.85E+03	

INEL POST-CHF EXPERIMENT NO. 92

POINT SERIAL NO. 1092.050 (TIME= 308.50 SEC)

LOOP PRESSURE(PE-3) 7.98 MPA
 FCV TEMPERATURE(TE-FCV-1T) 546.2 K
 LHP INLET ENTHALPY 1.200E+06 J/KG
 TEST SECTION:
 PRESSURE 3.57 MPA
 SAT TEMP 516.86 K
 MASS FLUX 30.87 KG/SEC-M**2
 INLET QUALITY .083
 INLET ENTHALPY 1.200E+06 J/KG
 QUENCH FRONT:
 ELEVATION .972 M
 VELOCITY .0019 M/SEC
 QUALITY .155
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.260	649.0	.187	.157

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	525.0	.084	1.25E+04	
.051	527.7	.086	1.26E+04	
.063	524.0	.087	1.25E+04	
.089	530.7	.088	1.27E+04	
.114	523.5	.090	1.27E+04	
.140	522.2	.091	1.24E+04	
.165	523.2	.093	1.25E+04	
.317	523.2	.102	1.26E+04	
.394	528.9	.106	1.31E+04	
.470	537.2	.111	1.37E+04	
.546	540.0	.116	1.41E+04	
.622	530.8	.121	1.37E+04	
.698	549.7	.126	1.55E+04	
.775	548.3	.132	1.60E+04	
.851	558.8	.138	1.75E+04	
.927	581.6	.147	3.45E+04	
1.003	824.8	.160	3.43E+04	
1.067	858.9	.169	2.68E+04	
1.156	917.4	.179	2.31E+04	
1.232	913.8	.187	2.06E+04	
1.257	925.3	.190	2.10E+04	
1.321	933.1	.196	1.73E+04	
1.384	993.7	.201	1.65E+04	
1.460	1016.3	.206	1.52E+04	
1.511	1022.4	.210	1.38E+04	
1.562	1023.4	.213	1.38E+04	
1.613	1034.7	.216	1.26E+04	
1.689	1048.9	.220	1.09E+04	
1.765	1055.6	.224	9.38E+03	
1.816	1053.4	.226	8.02E+03	
1.867	1036.6	.228	8.26E+03	
1.918	1007.9	.230	7.51E+03	
1.994	1000.2	.232	5.86E+03	
2.070	991.5	.234	5.01E+03	

INEL POST-CHF EXPERIMENT NO. 92

POINT SERIAL NO. 2092.050 (TIME= 308.50 SEC)

LOOP PRESSURE(PE-3) 7.98 MPA
 FCV TEMPERATURE(TE-FCV-1T) 546.2 K
 LHP INLET ENTHALPY 1.200E+06 J/KG
 TEST SECTION:
 PRESSURE 3.57 MPA
 SAT TEMP 516.86 K
 MASS FLUX 30.87 KG/SEC-M**2
 INLET QUALITY .083
 INLET ENTHALPY 1.200E+06 J/KG
 QUENCH FRONT:
 ELEVATION .972 M
 VELOCITY .0019 M/SEC
 QUALITY .155
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.537	.565	867.1	.211	.142

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	525.0	.084	1.25E+04	
.051	527.7	.086	1.26E+04	
.063	524.0	.087	1.25E+04	
.089	530.7	.088	1.27E+04	
.114	523.5	.090	1.27E+04	
.140	522.2	.091	1.24E+04	
.165	523.2	.093	1.25E+04	
.317	523.2	.102	1.26E+04	
.394	528.9	.106	1.31E+04	
.470	537.2	.111	1.37E+04	
.546	540.0	.116	1.41E+04	
.622	530.8	.121	1.37E+04	
.698	549.7	.126	1.55E+04	
.775	548.3	.132	1.60E+04	
.851	558.8	.138	1.75E+04	
.927	581.6	.147	3.45E+04	
1.003	824.8	.160	3.43E+04	
1.067	858.9	.169	2.68E+04	
1.156	917.4	.179	2.31E+04	
1.232	913.8	.187	2.06E+04	
1.257	925.3	.190	2.10E+04	
1.321	933.1	.196	1.73E+04	
1.384	993.7	.201	1.65E+04	
1.460	1016.3	.206	1.52E+04	
1.511	1022.4	.210	1.38E+04	
1.562	1023.4	.213	1.38E+04	
1.613	1034.7	.216	1.26E+04	
1.689	1048.9	.220	1.09E+04	
1.765	1055.6	.224	9.38E+03	
1.816	1053.4	.226	8.02E+03	
1.867	1036.6	.228	8.26E+03	
1.918	1007.9	.230	7.51E+03	
1.994	1000.2	.232	5.86E+03	
2.070	991.5	.234	5.01E+03	

INEL POST-CHF EXPERIMENT NO. 92

POINT SERIAL NO. 1092.060 (TIME= 332.50 SEC)

LOOP PRESSURE(PE-3) 8.00 MPA
 FCV TEMPERATURE(TE-FCV-1T) 545.0 K
 LHP INLET ENTHALPY 1.194E+06 J/KG
 TEST SECTION:
 PRESSURE 3.58 MPA
 SAT TEMP 516.95 K
 MASS FLUX 30.97 KG/SEC-M**2
 INLET QUALITY .079
 INLET ENTHALPY 1.194E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.018 M
 VELOCITY .0019 M/SEC
 QUALITY .148
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.232	.214	616.9	.174	.150

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	524.3	.080	1.25E+04	
.051	526.8	.082	1.25E+04	
.063	523.3	.083	1.24E+04	
.089	529.6	.084	1.26E+04	
.114	522.7	.086	1.25E+04	
.140	521.8	.087	1.24E+04	
.165	522.7	.089	1.24E+04	
.317	522.4	.098	1.25E+04	
.394	526.8	.102	1.29E+04	
.470	533.5	.107	1.33E+04	
.546	535.4	.112	1.35E+04	
.622	527.6	.117	1.31E+04	
.698	542.0	.122	1.43E+04	
.775	539.5	.127	1.43E+04	
.851	546.9	.132	1.51E+04	
.927	559.9	.138	1.67E+04	
1.003	592.9	.146	2.76E+04	
1.067	823.5	.154	3.10E+04	
1.156	888.5	.166	2.31E+04	
1.232	891.0	.174	2.03E+04	
1.257	904.8	.176	2.06E+04	
1.321	921.2	.182	1.77E+04	
1.384	983.4	.187	1.74E+04	
1.460	1009.2	.193	1.62E+04	
1.511	1017.2	.197	1.48E+04	
1.562	1020.9	.200	1.44E+04	
1.613	1035.0	.204	1.34E+04	
1.689	1053.1	.208	1.19E+04	
1.765	1063.1	.212	1.06E+04	
1.816	1062.4	.215	9.21E+03	
1.867	1047.8	.217	8.72E+03	
1.918	1020.3	.219	8.53E+03	
1.994	1016.4	.222	6.91E+03	
2.070	1009.8	.224	6.02E+03	

INEL POST-CHF EXPERIMENT NO. 92

POINT SERIAL NO. 2092.060 (TIME= 332.50 SEC)

LOOP PRESSURE(PE-3) 8.00 MPA
 FCV TEMPERATURE(TE-FCV-1T) 545.0 K
 LHP INLET ENTHALPY 1.194E+06 J/KG
 TEST SECTION:
 PRESSURE 3.58 MPA
 SAT TEMP 516.95 K
 MASS FLUX 30.97 KG/SEC-M**2
 INLET QUALITY .079
 INLET ENTHALPY 1.194E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.018 M
 VELOCITY .0019 M/SEC
 QUALITY .148
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.537	.518	856.6	.199	.134

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION			HEAT LOSS W/M**2
ELEVATION	TEMP	XE	HEAT FLUX		
(M)	(K)		W/M**2		
.013	524.3	.080	1.25E+04		
.051	526.8	.082	1.25E+04		
.063	523.3	.083	1.24E+04		
.089	529.6	.084	1.26E+04		
.114	522.7	.086	1.25E+04		
.140	521.8	.087	1.24E+04		
.165	522.7	.089	1.24E+04		
.317	522.4	.098	1.25E+04		
.394	526.8	.102	1.29E+04		
.470	533.5	.107	1.33E+04		
.546	535.4	.112	1.35E+04		
.622	527.6	.117	1.31E+04		
.698	542.0	.122	1.43E+04		
.775	539.5	.127	1.43E+04		
.851	546.9	.132	1.51E+04		
.927	559.9	.138	1.67E+04		
1.003	592.9	.146	2.76E+04		
1.067	823.5	.154	3.10E+04		
1.156	888.5	.166	2.31E+04		
1.232	891.0	.174	2.03E+04		
1.257	904.8	.176	2.06E+04		
1.321	921.2	.182	1.77E+04		
1.384	983.4	.187	1.74E+04		
1.460	1009.2	.193	1.62E+04		
1.511	1017.2	.197	1.48E+04		
1.562	1020.9	.200	1.44E+04		
1.613	1035.0	.204	1.34E+04		
1.689	1053.1	.208	1.19E+04		
1.765	1063.1	.212	1.06E+04		
1.816	1062.4	.215	9.21E+03		
1.867	1047.8	.217	8.72E+03		
1.918	1020.3	.219	8.53E+03		
1.994	1016.4	.222	6.91E+03		
2.070	1009.8	.224	6.02E+03		

INEL POST-CHF EXPERIMENT NO. 92

POINT SERIAL NO. 1092.070 (TIME= 348.50 SEC)

LOOP PRESSURE(PE-3) 8.01 MPA
 FCV TEMPERATURE(TE-FCV-1T) 545.7 K
 LHP INLET ENTHALPY 1.198E+06 J/KG
 TEST SECTION:
 PRESSURE 3.58 MPA
 SAT TEMP 516.93 K
 MASS FLUX 31.64 KG/SEC-M**2
 INLET QUALITY .081
 INLET ENTHALPY 1.198E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.074 M
 VELOCITY .0053 M/SEC
 QUALITY .161
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.232	.158	596.8	.196	.175

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION			HEAT LOSS W/M**2
ELEVATION	TEMP	XE	HEAT FLUX		
(M)	(K)		W/M**2		
.013	523.9	.082	1.26E+04		
.051	526.5	.084	1.26E+04		
.063	522.9	.085	1.26E+04		
.089	529.0	.086	1.18E+04		
.114	522.2	.088	1.40E+04		
.140	521.6	.090	1.27E+04		
.165	522.6	.091	1.34E+04		
.317	521.9	.100	1.32E+04		
.394	525.7	.105	1.35E+04		
.470	531.6	.110	1.38E+04		
.546	533.2	.115	1.20E+04		
.622	526.1	.119	1.34E+04		
.698	538.4	.124	1.43E+04		
.775	535.9	.129	1.42E+04		
.851	541.6	.134	1.51E+04		
.927	552.1	.139	1.55E+04		
1.003	544.1	.145	1.80E+04		
1.067	743.6	.159	7.87E+04		
1.156	864.8	.184	4.28E+04		
1.232	875.2	.196	2.25E+04		
1.257	888.8	.199	2.57E+04		
1.321	910.5	.206	2.09E+04		
1.384	972.9	.212	2.16E+04		
1.460	1000.4	.220	2.28E+04		
1.511	1009.6	.225	1.90E+04		
1.562	1014.7	.229	1.97E+04		
1.613	1030.2	.234	1.96E+04		
1.689	1051.0	.240	1.81E+04		
1.765	1063.4	.246	1.63E+04		
1.816	1063.4	.250	1.52E+04		
1.867	1051.7	.253	1.36E+04		
1.918	1024.4	.257	1.43E+04		
1.994	1023.9	.261	1.13E+04		
2.070	1019.2	.265	9.56E+03		

POINT SERIAL NO. 2092.071 (TIME= 348.50 SEC)
 { INFERRED VAPOR TEMP }
 LOOP PRESSURE{PE-3} 8.01 MPA
 FCV TEMPERATURE{TE-FCV-1T} 544.1 K
 LHP INLET ENTHALPY 1.190E+06 J/KG
 TEST SECTION:
 PRESSURE 3.58 MPA
 SAT TEMP 516.93 K
 MASS FLUX 31.64 KG/SEC-M**2
 INLET QUALITY .077
 INLET ENTHALPY 1.190E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.074 M
 VELOCITY .0053 M/SEC
 QUALITY .154
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 { INFERRED VAPOR TEMP }

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.463	810.0	.216	.152

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	523.9	.077	1.25E+04	
.051	526.4	.080	1.25E+04	
.063	522.8	.080	1.25E+04	
.089	529.1	.082	1.26E+04	
.114	522.3	.083	1.26E+04	
.140	521.6	.085	1.25E+04	
.165	522.5	.086	1.24E+04	
.317	521.9	.095	1.25E+04	
.394	525.7	.099	1.28E+04	
.470	531.6	.104	1.32E+04	
.546	533.2	.109	1.34E+04	
.622	526.1	.113	1.30E+04	
.698	538.4	.118	1.38E+04	
.775	535.9	.123	1.38E+04	
.851	541.8	.128	1.44E+04	
.927	552.3	.133	1.54E+04	
1.003	545.1	.139	1.91E+04	
1.067	744.8	.152	6.91E+04	
1.156	859.0	.175	4.25E+04	
1.232	874.0	.187	2.40E+04	
1.257	887.2	.189	2.69E+04	
1.321	909.8	.196	2.09E+04	
1.384	972.4	.203	2.09E+04	
1.460	1000.1	.210	1.96E+04	
1.511	1009.3	.214	1.82E+04	
1.562	1014.3	.218	1.87E+04	
1.613	1029.7	.223	1.81E+04	
1.689	1050.4	.229	1.66E+04	
1.765	1062.8	.234	1.50E+04	
1.816	1062.9	.238	1.36E+04	
1.867	1051.1	.241	1.27E+04	
1.918	1023.9	.244	1.24E+04	
1.994	1023.4	.248	1.01E+04	
2.070	1018.8	.251	8.68E+03	

POINT SERIAL NO. 3092.071 (TIME= 348.50 SEC)
 { INFERRED VAPOR TEMP }
 LOOP PRESSURE{PE-3} 8.01 MPA
 FCV TEMPERATURE{TE-FCV-1T} 544.1 K
 LHP INLET ENTHALPY 1.190E+06 J/KG
 TEST SECTION:
 PRESSURE 3.58 MPA
 SAT TEMP 516.93 K
 MASS FLUX 31.64 KG/SEC-M**2
 INLET QUALITY .077
 INLET ENTHALPY 1.190E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.074 M
 VELOCITY .0053 M/SEC
 QUALITY .154
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 { INFERRED VAPOR TEMP }

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	.768	925.0	.239	.152

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	523.9	.077	1.25E+04	
.051	526.4	.080	1.25E+04	
.063	522.8	.080	1.25E+04	
.089	529.1	.082	1.26E+04	
.114	522.3	.083	1.26E+04	
.140	521.6	.085	1.25E+04	
.165	522.5	.086	1.24E+04	
.317	521.9	.095	1.25E+04	
.394	525.7	.099	1.28E+04	
.470	531.6	.104	1.32E+04	
.546	533.2	.109	1.34E+04	
.622	526.1	.113	1.30E+04	
.698	538.4	.118	1.38E+04	
.775	535.9	.123	1.38E+04	
.851	541.8	.128	1.44E+04	
.927	552.3	.133	1.54E+04	
1.003	545.1	.139	1.91E+04	
1.067	744.8	.152	6.91E+04	
1.156	859.0	.175	4.25E+04	
1.232	874.0	.187	2.40E+04	
1.257	887.2	.189	2.69E+04	
1.321	909.8	.196	2.09E+04	
1.384	972.4	.203	2.09E+04	
1.460	1000.1	.210	1.96E+04	
1.511	1009.3	.214	1.82E+04	
1.562	1014.3	.218	1.87E+04	
1.613	1029.7	.223	1.81E+04	
1.689	1050.4	.229	1.66E+04	
1.765	1062.8	.234	1.50E+04	
1.816	1062.9	.238	1.36E+04	
1.867	1051.1	.241	1.27E+04	
1.918	1023.9	.244	1.24E+04	
1.994	1023.4	.248	1.01E+04	
2.070	1018.8	.251	8.68E+03	

INEL POST-CHF EXPERIMENT NO. 92

POINT SERIAL NO. 2092.080 (TIME= 360.50 SEC)

LOOP PRESSURE(PE-3) 7.99 MPA
 FCV TEMPERATURE(TE-FCV-11) 542.1 K
 LHP INLET ENTHALPY 1.179E+06 J/KG
 TEST SECTION:
 PRESSURE 3.58 MPA
 SAT TEMP 516.97 K
 MASS FLUX 32.19 KG/SEC-M**2
 INLET QUALITY .071
 INLET ENTHALPY 1.179E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.157 M
 VELOCITY .0093 M/SEC
 QUALITY .163
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.380	732.7	.230	.174

WALL TEMPERATURE MEASUREMENT			LOCATION INFORMATION		HEAT LOSS W/M**2
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2	
.013	523.6	.071	1.25E+04		
.051	526.1	.074	1.25E+04		
.063	522.5	.074	1.25E+04		
.089	528.7	.076	1.26E+04		
.114	522.0	.077	1.25E+04		
.140	521.5	.079	1.24E+04		
.165	522.5	.080	1.24E+04		
.317	521.6	.089	1.25E+04		
.394	525.0	.093	1.27E+04		
.470	530.5	.097	1.30E+04		
.546	531.8	.102	1.32E+04		
.622	525.1	.106	1.28E+04		
.698	536.3	.111	1.35E+04		
.775	533.9	.116	1.35E+04		
.851	538.9	.120	1.39E+04		
.927	548.2	.125	1.47E+04		
1.003	538.2	.131	1.54E+04		
1.067	632.4	.140	5.08E+04		
1.156	760.6	.163	6.37E+04		
1.232	830.1	.183	5.15E+04		
1.257	842.7	.190	6.98E+04		
1.321	890.6	.205	3.26E+04		
1.384	956.9	.213	2.76E+04		
1.460	988.2	.222	2.36E+04		
1.511	998.7	.227	2.17E+04		
1.562	1003.6	.233	2.27E+04		
1.613	1019.8	.238	2.18E+04		
1.689	1042.7	.245	2.00E+04		
1.765	1057.2	.251	1.81E+04		
1.816	1058.0	.255	1.68E+04		
1.867	1048.3	.259	1.63E+04		
1.918	1021.3	.263	1.58E+04		
1.994	1024.2	.268	1.30E+04		
2.070	1021.7	.272	1.13E+04		

INEL POST-CHF EXPERIMENT NO. 92

POINT SERIAL NO. 3092.080 (TIME= 361.50 SEC)

LOOP PRESSURE(PE-3) 7.97 MPA
 FCV TEMPERATURE(TE-FCV-11) 542.0 K
 LHP INLET ENTHALPY 1.179E+06 J/KG
 TEST SECTION:
 PRESSURE 3.58 MPA
 SAT TEMP 516.98 K
 MASS FLUX 32.23 KG/SEC-M**2
 INLET QUALITY .070
 INLET ENTHALPY 1.179E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.166 M
 VELOCITY .0093 M/SEC
 QUALITY .164
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	.675	854.5	.258	.175

WALL TEMPERATURE MEASUREMENT			LOCATION INFORMATION		HEAT LOSS W/M**2
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2	
.013	523.6	.071	1.25E+04		
.051	526.1	.073	1.25E+04		
.063	522.5	.074	1.25E+04		
.089	528.7	.075	1.25E+04		
.114	522.0	.077	1.25E+04		
.140	521.5	.078	1.24E+04		
.165	522.5	.080	1.24E+04		
.317	521.6	.088	1.25E+04		
.394	525.0	.093	1.27E+04		
.470	530.4	.097	1.30E+04		
.546	531.7	.101	1.31E+04		
.622	525.1	.106	1.28E+04		
.698	536.2	.110	1.35E+04		
.775	533.7	.115	1.35E+04		
.851	538.7	.120	1.39E+04		
.927	547.9	.125	1.46E+04		
1.003	537.8	.130	1.53E+04		
1.067	627.0	.139	4.84E+04		
1.156	734.8	.162	6.30E+04		
1.232	821.9	.182	5.65E+04		
1.257	833.0	.190	7.70E+04		
1.321	888.4	.206	3.32E+04		
1.384	955.3	.214	2.78E+04		
1.460	987.1	.223	2.39E+04		
1.511	997.6	.229	2.18E+04		
1.562	1002.5	.234	2.28E+04		
1.613	1018.8	.239	2.18E+04		
1.689	1042.0	.246	1.99E+04		
1.765	1056.6	.253	1.80E+04		
1.816	1057.5	.257	1.67E+04		
1.867	1047.9	.260	1.64E+04		
1.918	1021.0	.264	1.57E+04		
1.994	1024.2	.269	1.31E+04		
2.070	1021.8	.273	1.13E+04		

POINT SERIAL NO. 2092.090 (TIME= 367.50 SEC)

LOOP PRESSURE(PE-3) 7.98 MPA
 FCV TEMPERATURE(TE-FCV-1T) 541.6 K
 LHP INLET ENTHALPY 1.177E+06 J/KG
 TEST SECTION:
 PRESSURE 3.58 MPA
 SAT TEMP 516.97 K
 MASS FLUX 32.35 KG/SEC-M**2
 INLET QUALITY .069
 INLET ENTHALPY 1.177E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.228 M
 VELOCITY .0113 M/SEC
 QUALITY .179
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.537 .309 726.3 .236 .183

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013	523.6	.070	1.25E+04	
.051	526.0	.072	1.25E+04	
.063	522.5	.073	1.25E+04	
.089	528.6	.074	1.26E+04	
.114	521.9	.076	1.25E+04	
.140	521.5	.077	1.24E+04	
.165	522.5	.079	1.24E+04	
.317	521.5	.087	1.26E+04	
.394	524.8	.092	1.27E+04	
.470	530.1	.096	1.30E+04	
.546	531.4	.100	1.31E+04	
.622	524.9	.105	1.29E+04	
.698	535.7	.109	1.35E+04	
.775	533.2	.114	1.35E+04	
.851	538.0	.119	1.38E+04	
.927	546.9	.124	1.45E+04	
1.003	536.5	.129	1.49E+04	
1.067	610.0	.136	3.69E+04	
1.156	703.7	.157	6.54E+04	
1.232	771.0	.180	7.17E+04	
1.257	801.0	.190	1.01E+05	
1.321	880.3	.210	3.77E+04	
1.384	949.4	.220	3.01E+04	
1.460	982.8	.229	2.52E+04	
1.511	993.9	.235	2.29E+04	
1.562	998.6	.240	2.37E+04	
1.613	1015.3	.246	2.27E+04	
1.689	1039.2	.253	2.07E+04	
1.765	1054.5	.260	1.89E+04	
1.816	1055.6	.264	1.75E+04	
1.867	1046.5	.268	1.73E+04	
1.918	1019.7	.272	1.66E+04	
1.994	1024.0	.277	1.37E+04	
2.070	1022.3	.282	1.20E+04	

POINT SERIAL NO. 2092.100 (TIME= 370.50 SEC)

LOOP PRESSURE(PE-3) 7.99 MPA
 FCV TEMPERATURE(TE-FCV-1T) 541.1 K
 LHP INLET ENTHALPY 1.174E+06 J/KG
 TEST SECTION:
 PRESSURE 3.58 MPA
 SAT TEMP 516.98 K
 MASS FLUX 32.37 KG/SEC-M**2
 INLET QUALITY .068
 INLET ENTHALPY 1.174E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.253 M
 VELOCITY .0051 M/SEC
 QUALITY .186
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.537 .284 722.9 .239 .184

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013	523.6	.068	1.25E+04	
.051	526.0	.071	1.25E+04	
.063	522.5	.071	1.25E+04	
.089	528.5	.073	1.26E+04	
.114	521.9	.074	1.25E+04	
.140	521.5	.076	1.24E+04	
.165	522.5	.077	1.25E+04	
.317	521.5	.086	1.26E+04	
.394	524.8	.090	1.28E+04	
.470	530.0	.095	1.30E+04	
.546	531.2	.099	1.31E+04	
.622	524.8	.104	1.29E+04	
.698	535.4	.108	1.35E+04	
.775	533.0	.113	1.35E+04	
.851	537.7	.117	1.38E+04	
.927	546.5	.122	1.44E+04	
1.003	536.0	.127	1.47E+04	
1.067	604.9	.134	3.29E+04	
1.156	677.9	.153	6.11E+04	
1.232	716.9	.177	7.99E+04	
1.257	721.7	.188	1.13E+05	
1.321	875.8	.210	4.04E+04	
1.384	946.4	.221	3.13E+04	
1.460	980.7	.230	2.59E+04	
1.511	992.1	.236	2.36E+04	
1.562	996.7	.242	2.42E+04	
1.613	1013.6	.247	2.31E+04	
1.689	1037.8	.255	2.08E+04	
1.765	1053.3	.261	1.93E+04	
1.816	1054.5	.266	1.77E+04	
1.867	1045.7	.270	1.77E+04	
1.918	1018.9	.274	1.68E+04	
1.994	1023.6	.279	1.40E+04	
2.070	1022.2	.284	1.22E+04	

INEL POST-CHF EXPERIMENT NO. 93

POINT SERIAL NO. 1093.041 (TIME= 123.50 SEC)
 [INFERRED VAPOR TEMP]
 LOOP PRESSURE[PE-3] 7.99 MPA
 FCV TEMPERATURE[TE-FCV-1T] 541.3 K
 LHP INLET ENTHALPY 1.175E+06 J/KG
 TEST SECTION:
 PRESSURE 3.58 MPA
 SAT TEMP 516.96 K
 MASS FLUX 70.66 KG/SEC-M**2
 INLET QUALITY .068
 INLET ENTHALPY 1.175E+06 J/KG
 QUENCH FRONT:
 ELEVATION .320 M
 VELOCITY .0172 M/SEC
 QUALITY .105
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 [INFERRED VAPOR TEMP]

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.912	750.0	.234	.174

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	550.4	.069	3.57E+04	
.051	574.1	.072	4.61E+04	
.063	543.6	.073	3.50E+04	
.089	561.2	.075	3.99E+04	
.114	549.6	.077	3.79E+04	
.140	540.8	.079	3.95E+04	
.165	545.7	.082	4.92E+04	
.317	650.7	.105	9.58E+04	
.394	789.8	.123	1.34E+05	
.470	834.4	.141	1.04E+05	
.546	859.6	.157	1.02E+05	
.622	888.6	.173	9.58E+04	
.698	923.5	.184	5.12E+04	
.775	936.2	.194	6.84E+04	
.851	941.7	.204	5.71E+04	
.927	947.4	.212	4.86E+04	
1.003	942.9	.219	4.55E+04	
1.067	880.5	.225	3.31E+04	5.01E+02
1.156	905.7	.230	2.98E+04	
1.232	910.9	.235	3.03E+04	
1.257	928.3	.237	3.94E+04	
1.321	924.7	.242	3.45E+04	
1.384	975.6	.246	3.51E+04	
1.460	977.3	.252	3.38E+04	
1.511	973.3	.255	2.99E+04	
1.562	971.9	.258	3.45E+04	
1.613	977.2	.262	3.19E+04	
1.689	977.0	.267	2.57E+04	
1.765	972.5	.270	2.29E+04	
1.816	966.7	.273	2.04E+04	
1.867	939.5	.275	1.58E+04	
1.918	926.5	.276	1.72E+04	
1.994	903.2	.279	1.32E+04	
2.070	906.1	.281	1.25E+04	

INEL POST-CHF EXPERIMENT NO. 93

POINT SERIAL NO. 1093.050 (TIME= 128.50 SEC)
 LOOP PRESSURE[PE-3] 7.95 MPA
 FCV TEMPERATURE[TE-FCV-1T] 542.5 K
 LHP INLET ENTHALPY 1.181E+06 J/KG
 TEST SECTION:
 PRESSURE 3.58 MPA
 SAT TEMP 516.97 K
 MASS FLUX 69.49 KG/SEC-M**2
 INLET QUALITY .072
 INLET ENTHALPY 1.181E+06 J/KG
 QUENCH FRONT:
 ELEVATION .412 M
 VELOCITY .0195 M/SEC
 QUALITY .122
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.820	727.6	.238	.181

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	547.2	.073	3.46E+04	
.051	567.6	.076	4.34E+04	
.063	541.4	.077	3.45E+04	
.089	558.0	.079	3.94E+04	
.114	547.5	.081	3.88E+04	
.140	540.3	.083	4.53E+04	
.165	547.8	.086	5.63E+04	
.317	628.8	.106	7.12E+04	
.394	643.2	.119	8.87E+04	
.470	779.5	.134	9.89E+04	
.546	792.5	.150	1.04E+05	
.622	841.7	.166	9.90E+04	
.698	885.1	.180	8.05E+04	
.775	905.9	.193	7.70E+04	
.851	921.2	.204	6.39E+04	
.927	933.4	.213	5.36E+04	
1.003	931.1	.221	4.99E+04	
1.067	874.9	.227	3.51E+04	
1.156	902.7	.233	3.04E+04	
1.232	906.6	.238	3.06E+04	
1.257	923.0	.240	3.78E+04	
1.321	920.5	.245	3.42E+04	
1.384	972.7	.249	3.41E+04	
1.460	976.4	.254	3.05E+04	
1.511	973.2	.257	2.63E+04	
1.562	970.2	.260	2.99E+04	
1.613	977.8	.263	2.64E+04	
1.689	980.2	.267	2.11E+04	
1.765	976.6	.270	1.83E+04	
1.816	972.4	.272	1.50E+04	
1.867	946.2	.274	1.36E+04	
1.918	933.6	.275	1.41E+04	
1.994	911.9	.277	1.14E+04	
2.070	915.2	.279	1.06E+04	

POINT SERIAL NO. 1093.061 (TIME= 136.50 SEC)
 [INFERRED VAPOR TEMP]
 LOOP PRESSURE[PE-3] 7.98 MPA
 FCV TEMPERATURE[TE-FCV-1T] 544.2 K
 LHP INLET ENTHALPY 1.190E+06 J/KG
 TEST SECTION:
 PRESSURE 3.58 MPA
 SAT TEMP 516.95 K
 MASS FLUX 68.74 KG/SEC-M**2
 INLET QUALITY .077
 INLET ENTHALPY 1.190E+06 J/KG
 QUENCH FRONT:
 ELEVATION .544 M
 VELOCITY .0139 M/SEC
 QUALITY .138
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

[INFERRED VAPOR TEMP]
 ELEVATION DZQF TV XE XA
 (M) (M) (K)
 1.232 .688 700.0 .236 .185

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	542.0	.078	3.25E+04	
.051	556.5	.081	3.84E+04	
.063	536.9	.081	3.18E+04	
.089	550.9	.083	3.45E+04	
.114	541.3	.085	3.35E+04	
.140	533.5	.087	3.39E+04	
.165	537.2	.089	4.09E+04	
.317	584.7	.104	5.45E+04	
.394	626.4	.114	6.94E+04	
.470	676.5	.126	7.82E+04	
.546	698.9	.139	8.23E+04	
.622	744.9	.152	8.74E+04	
.698	811.7	.167	9.39E+04	
.775	851.6	.181	8.43E+04	
.851	881.6	.194	7.02E+04	
.927	899.7	.204	6.51E+04	
1.003	900.6	.215	6.22E+04	
1.067	861.5	.222	4.43E+04	
1.156	894.2	.230	3.87E+04	
1.232	897.7	.236	3.77E+04	
1.257	908.1	.238	4.65E+04	
1.321	911.7	.244	3.94E+04	
1.384	962.6	.249	4.09E+04	
1.460	970.2	.255	3.71E+04	
1.511	969.2	.259	3.27E+04	
1.562	964.7	.263	3.60E+04	
1.613	975.2	.267	3.27E+04	
1.689	981.9	.271	2.76E+04	
1.765	981.3	.276	2.44E+04	
1.816	978.3	.278	2.13E+04	
1.867	955.5	.280	1.88E+04	
1.918	942.5	.282	1.90E+04	
1.994	924.4	.285	1.44E+04	
2.070	928.6	.287	1.33E+04	

POINT SERIAL NO. 1093.070 (TIME= 143.50 SEC)
 LOOP PRESSURE[PE-3] 7.96 MPA
 FCV TEMPERATURE[TE-FCV-1T] 545.8 K
 LHP INLET ENTHALPY 1.198E+06 J/KG
 TEST SECTION:
 PRESSURE 3.58 MPA
 SAT TEMP 516.95 K
 MASS FLUX 68.80 KG/SEC-M**2
 INLET QUALITY .082
 INLET ENTHALPY 1.198E+06 J/KG
 QUENCH FRONT:
 ELEVATION .636 M
 VELOCITY .0124 M/SEC
 QUALITY .142
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

[INFERRED VAPOR TEMP]
 ELEVATION DZQF TV XE XA
 (M) (M) (K)
 1.232 .596 660.6 .234 .191

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	537.0	.082	3.05E+04	
.051	546.0	.085	3.35E+04	
.063	532.7	.086	2.96E+04	
.089	544.5	.088	3.09E+04	
.114	536.1	.089	3.04E+04	
.140	528.6	.091	2.93E+04	
.165	531.4	.092	2.98E+04	
.317	538.4	.102	3.24E+04	
.394	553.1	.108	3.20E+04	
.470	581.1	.115	5.46E+04	
.546	621.8	.125	7.85E+04	
.622	633.8	.139	8.62E+04	
.698	759.9	.154	1.08E+05	
.775	813.0	.170	8.99E+04	
.851	849.9	.184	8.01E+04	
.927	876.2	.197	7.71E+04	
1.003	880.3	.209	7.48E+04	
1.067	853.7	.218	5.06E+04	
1.156	890.1	.227	4.43E+04	
1.232	892.5	.234	4.18E+04	
1.257	899.2	.236	5.24E+04	
1.321	905.6	.243	4.23E+04	
1.384	956.9	.249	4.57E+04	
1.460	967.6	.255	3.96E+04	
1.511	968.4	.260	3.56E+04	
1.562	962.0	.264	3.88E+04	
1.613	975.3	.268	3.56E+04	
1.689	985.8	.273	3.04E+04	
1.765	987.3	.278	2.63E+04	
1.816	985.9	.280	2.30E+04	
1.867	965.3	.283	2.03E+04	
1.918	952.3	.285	2.05E+04	
1.994	936.5	.288	1.56E+04	
2.070	941.4	.290	1.43E+04	

INEL POST-CHF EXPERIMENT NO. 93

POINT SERIAL NO. 1093.081 (TIME= 148.50 SEC)
 { INFERRED VAPOR TEMP }
 LOOP PRESSURE{PE-3} 7.96 MPA
 FCV TEMPERATURE{TE-FCV-1T} 546.8 K
 LHP INLET ENTHALPY 1.203E+06 J/KG
 TEST SECTION:
 PRESSURE 3.58 MPA
 SAT TEMP 516.95 K
 MASS FLUX 68.52 KG/SEC-M**2
 INLET QUALITY .084
 INLET ENTHALPY 1.203E+06 J/KG
 QUENCH FRONT:
 ELEVATION .696 M
 VELOCITY .0120 M/SEC
 QUALITY .147
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
{ INFERRED VAPOR TEMP }

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.536	655.0	.230	.189

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	535.1	.085	2.99E+04	
.051	542.4	.088	3.22E+04	
.063	531.4	.088	2.92E+04	
.089	542.5	.090	3.01E+04	
.114	534.3	.092	2.98E+04	
.140	527.5	.093	2.88E+04	
.165	529.9	.095	2.93E+04	
.317	535.5	.105	3.12E+04	
.394	550.7	.110	3.06E+04	
.470	569.6	.115	4.00E+04	
.546	582.0	.123	5.50E+04	
.622	604.5	.133	7.25E+04	
.698	711.2	.148	1.01E+05	
.775	759.3	.163	9.39E+04	
.851	820.3	.178	8.02E+04	
.927	847.3	.191	8.01E+04	
1.003	852.3	.203	7.82E+04	
1.067	838.9	.213	5.66E+04	
1.156	879.3	.222	4.88E+04	
1.232	882.1	.230	4.75E+04	
1.257	884.6	.233	5.46E+04	
1.321	896.9	.240	4.42E+04	
1.384	946.8	.246	4.66E+04	
1.460	960.1	.253	4.26E+04	
1.511	962.4	.258	3.76E+04	
1.562	955.8	.262	3.92E+04	
1.613	970.9	.266	3.60E+04	
1.689	983.8	.271	3.18E+04	
1.765	987.5	.276	2.79E+04	
1.816	986.6	.279	2.54E+04	
1.867	968.3	.282	2.35E+04	
1.918	955.4	.284	2.30E+04	
1.994	942.7	.287	1.74E+04	
2.070	948.4	.290	1.58E+04	

INEL POST-CHF EXPERIMENT NO. 93

POINT SERIAL NO. 1093.091 (TIME= 156.50 SEC)
 { INFERRED VAPOR TEMP }
 LOOP PRESSURE{PE-3} 7.97 MPA
 FCV TEMPERATURE{TE-FCV-1T} 547.9 K
 LHP INLET ENTHALPY 1.209E+06 J/KG
 TEST SECTION:
 PRESSURE 3.58 MPA
 SAT TEMP 516.97 K
 MASS FLUX 68.08 KG/SEC-M**2
 INLET QUALITY .088
 INLET ENTHALPY 1.209E+06 J/KG
 QUENCH FRONT:
 ELEVATION .786 M
 VELOCITY .0107 M/SEC
 QUALITY .154
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
{ INFERRED VAPOR TEMP }

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.446	620.0	.226	.194

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	532.7	.089	2.92E+04	
.051	537.9	.091	3.07E+04	
.063	529.6	.092	2.89E+04	
.089	539.9	.093	2.94E+04	
.114	532.0	.095	2.92E+04	
.140	526.1	.097	2.84E+04	
.165	528.2	.098	2.85E+04	
.317	532.1	.108	2.96E+04	
.394	546.4	.113	3.20E+04	
.470	559.8	.118	3.37E+04	
.546	565.1	.124	3.65E+04	
.622	548.4	.130	3.75E+04	
.698	592.5	.138	6.88E+04	
.775	632.5	.152	9.66E+04	
.851	771.7	.168	9.69E+04	
.927	797.0	.182	7.73E+04	
1.003	803.2	.195	8.01E+04	
1.067	809.3	.205	6.53E+04	
1.156	856.5	.217	5.93E+04	
1.232	859.8	.226	6.15E+04	
1.257	855.7	.230	5.77E+04	
1.321	880.1	.237	4.91E+04	
1.384	926.6	.244	4.89E+04	
1.460	943.7	.252	4.81E+04	
1.511	948.9	.256	4.09E+04	
1.562	941.9	.261	4.24E+04	
1.613	960.2	.265	3.69E+04	
1.689	977.4	.271	3.19E+04	
1.765	984.3	.276	2.99E+04	
1.816	984.2	.279	2.75E+04	
1.867	969.9	.282	2.68E+04	
1.918	957.5	.285	2.51E+04	
1.994	950.6	.288	1.96E+04	
2.070	957.7	.291	1.78E+04	

INEL POST-CHF EXPERIMENT NO. 93

POINT SERIAL NO. 1093.101 (TIME= 161.50 SEC)
 {INFERRED VAPOR TEMP}
 LOOP PRESSURE{PE-3} 7.99 MPA
 FCV TEMPERATURE{TE-FCV-11} 548.5 K
 LHP INLET ENTHALPY 1.212E+06 J/KG
 TEST SECTION:
 PRESSURE 3.58 MPA
 SAT TEMP 516.97 K
 MASS FLUX 67.99 KG/SEC-M**2
 INLET QUALITY .089
 INLET ENTHALPY 1.212E+06 J/KG
 QUENCH FRONT:
 ELEVATION .842 M
 VELOCITY .0115 M/SEC
 QUALITY .160
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
{INFERRED VAPOR TEMP}

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.390	590.0	.225	.200

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	531.6	.090	2.91E+04	
.05	535.7	.093	3.04E+04	
.063	528.6	.093	2.93E+04	
.089	538.5	.095	2.95E+04	
.114	530.9	.097	2.88E+04	
.140	525.4	.098	2.81E+04	
.165	527.4	.100	2.82E+04	
.317	530.4	.109	2.96E+04	
.394	543.3	.114	3.11E+04	
.470	555.7	.119	3.30E+04	
.546	559.7	.125	3.49E+04	
.622	542.8	.130	3.39E+04	
.698	575.3	.137	4.37E+04	
.775	578.9	.145	5.98E+04	
.851	741.5	.163	1.52E+05	
.927	770.1	.181	7.51E+04	
1.003	775.3	.194	7.63E+04	
1.067	788.4	.203	6.32E+04	
1.156	839.2	.214	5.51E+04	
1.232	838.5	.225	7.93E+04	
1.257	841.6	.229	4.71E+04	
1.321	869.9	.235	3.94E+04	
1.384	917.6	.240	3.73E+04	
1.460	934.1	.245	3.65E+04	
1.511	943.0	.250	3.13E+04	
1.562	936.5	.253	3.14E+04	
1.613	958.7	.256	2.61E+04	
1.689	977.8	.260	2.17E+04	
1.765	985.6	.263	1.86E+04	
1.816	985.7	.265	1.55E+04	
1.867	971.4	.267	1.97E+04	
1.918	960.2	.269	1.96E+04	
1.994	955.5	.272	1.80E+04	
2.070	963.5	.275	1.66E+04	

INEL POST-CHF EXPERIMENT NO. 93

POINT SERIAL NO. 1093.111 (TIME= 169.50 SEC)
 {INFERRED VAPOR TEMP}
 LOOP PRESSURE{PE-3} 7.98 MPA
 FCV TEMPERATURE{TE-FCV-11} 548.8 K
 LHP INLET ENTHALPY 1.214E+06 J/KG
 TEST SECTION:
 PRESSURE 3.58 MPA
 SAT TEMP 516.99 K
 MASS FLUX 67.61 KG/SEC-M**2
 INLET QUALITY .090
 INLET ENTHALPY 1.214E+06 J/KG
 QUENCH FRONT:
 ELEVATION .939 M
 VELOCITY .0130 M/SEC
 QUALITY .167
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
{INFERRED VAPOR TEMP}

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.293	552.0	.215	.201

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	530.2	.091	2.88E+04	
.051	533.5	.093	2.95E+04	
.063	527.7	.094	2.83E+04	
.089	536.9	.096	2.92E+04	
.114	529.5	.097	2.87E+04	
.140	524.9	.099	2.82E+04	
.165	526.5	.100	2.84E+04	
.317	523.4	.110	2.94E+04	
.394	540.2	.115	3.02E+04	
.470	550.6	.120	3.20E+04	
.546	553.4	.125	3.29E+04	
.622	537.9	.131	3.12E+04	
.698	562.9	.136	3.61E+04	
.775	560.9	.142	3.78E+04	
.851	586.9	.150	5.42E+04	
.927	647.3	.164	1.20E+05	
1.003	738.6	.179	6.56E+04	
1.067	757.7	.188	5.54E+04	
1.156	816.5	.198	4.85E+04	
1.232	714.5	.215	1.57E+05	
1.257	792.5	.222	9.78E+04	
1.321	849.2	.231	4.12E+04	
1.384	893.1	.237	3.88E+04	
1.460	913.0	.243	4.02E+04	
1.511	923.3	.247	4.09E+04	
1.562	916.6	.252	3.71E+04	
1.613	941.9	.256	3.27E+04	
1.689	964.6	.261	2.98E+04	
1.765	974.3	.266	3.59E+04	
1.816	977.8	.270	2.91E+04	
1.867	965.2	.273	3.63E+04	
1.918	954.1	.277	3.22E+04	
1.994	956.5	.282	2.71E+04	
2.070	966.3	.286	2.43E+04	

INEL POST-CHF EXPERIMENT NO. 95

POINT SERIAL NO. 1095.020 (TIME= 92.50 SEC)

LOOP PRESSURE(PE-3) 7.97 MPA
 FCV TEMPERATURE(TE-FCV-1T) 546.1 K
 LHP INLET ENTHALPY 1.200E+06 J/KG
 TEST SECTION:
 PRESSURE 3.58 MPA
 SAT TEMP 517.01 K
 MASS FLUX 60.98 KG/SEC-M**2
 INLET QUALITY .082
 INLET ENTHALPY 1.200E+06 J/KG
 QUENCH FRONT:
 ELEVATION .106 M
 VELOCITY .0097 M/SEC
 QUALITY .113
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	1.125	729.0	.328	.250

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	580.8	.084	5.39E+04	
.051	636.8	.090	9.17E+04	
.063	585.1	.093	9.40E+04	
.089	646.2	.104	2.60E+05	
.114	750.4	.117	1.74E+05	
.140	782.1	.126	9.98E+04	
.165	776.4	.132	1.05E+05	
.317	844.5	.173	1.22E+05	
.394	880.1	.196	1.27E+05	
.470	911.2	.218	1.05E+05	
.546	927.4	.235	8.57E+04	
.622	935.9	.250	7.47E+04	
.698	939.1	.263	6.53E+04	
.775	940.6	.275	7.17E+04	
.851	942.3	.288	6.91E+04	
.927	943.2	.299	5.60E+04	
1.003	933.4	.310	5.58E+04	
1.067	863.2	.316	3.22E+04	
1.156	895.6	.324	3.50E+04	
1.232	901.1	.329	2.80E+04	
1.257	918.9	.332	5.03E+04	
1.321	914.7	.339	4.72E+04	
1.384	974.9	.347	5.27E+04	
1.460	976.8	.356	5.09E+04	
1.511	970.8	.362	4.15E+04	
1.562	973.9	.367	4.69E+04	
1.613	979.1	.373	4.63E+04	
1.689	976.7	.382	5.27E+04	
1.765	972.5	.390	3.78E+04	
1.816	966.3	.394	3.58E+04	
1.867	939.4	.398	2.54E+04	
1.918	922.1	.401	2.77E+04	
1.994	902.8	.406	2.06E+04	
2.070	899.8	.409	1.88E+04	

INEL POST-CHF EXPERIMENT NO. 95

POINT SERIAL NO. 2095.020 (TIME= 53.50 SEC)

LOOP PRESSURE(PE-3) 7.98 MPA
 FCV TEMPERATURE(TE-FCV-1T) 546.2 K
 LHP INLET ENTHALPY 1.200E+06 J/KG
 TEST SECTION:
 PRESSURE 3.58 MPA
 SAT TEMP 517.03 K
 MASS FLUX 61.05 KG/SEC-M**2
 INLET QUALITY .082
 INLET ENTHALPY 1.200E+06 J/KG
 QUENCH FRONT:
 ELEVATION .116 M
 VELOCITY .0097 M/SEC
 QUALITY .110
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	1.421	728.1	.373	.284

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	577.5	.084	5.12E+04	
.051	629.3	.090	8.29E+04	
.063	577.8	.092	7.72E+04	
.089	625.2	.100	1.65E+05	
.114	663.4	.110	1.68E+05	
.140	773.7	.118	1.01E+05	
.165	766.7	.124	1.09E+05	
.317	834.0	.166	1.19E+05	
.394	868.8	.189	1.27E+05	
.470	901.0	.211	1.17E+05	
.546	919.8	.231	9.82E+04	
.622	929.6	.247	8.74E+04	
.698	934.5	.263	7.80E+04	
.775	935.7	.276	7.42E+04	
.851	938.2	.289	6.64E+04	
.927	940.2	.301	6.35E+04	
1.003	930.4	.313	6.37E+04	
1.067	862.6	.320	3.49E+04	
1.156	894.9	.328	3.88E+04	
1.232	900.7	.335	3.16E+04	
1.257	916.9	.337	5.53E+04	
1.321	912.8	.345	5.08E+04	
1.384	972.6	.353	5.73E+04	
1.460	973.8	.364	5.66E+04	
1.511	969.1	.370	4.75E+04	
1.562	971.7	.376	5.54E+04	
1.613	977.0	.383	5.13E+04	
1.689	973.2	.392	5.31E+04	
1.765	971.0	.401	4.40E+04	
1.816	964.9	.407	4.38E+04	
1.867	939.3	.411	3.06E+04	
1.918	921.9	.415	3.32E+04	
1.994	903.3	.420	2.45E+04	
2.070	900.6	.425	2.21E+04	

INEL POST-CHF EXPERIMENT NO. 95

POINT SERIAL NO. 3095.020 (TIME= 92.50 SEC)

LOOP PRESSURE(PE-3) 7.97 MPA
 FCV TEMPERATURE(TE-FCV-1T) 546.1 K
 LHP INLET ENTHALPY 1.200E+06 J/KG
 TEST SECTION:
 PRESSURE 3.58 MPA
 SAT TEMP 517.01 K
 MASS FLUX 60.98 KG/SEC-M**2
 INLET QUALITY .082
 INLET ENTHALPY 1.200E+06 J/KG
 QUENCH FRONT:
 ELEVATION .106 M
 VELOCITY .0097 M/SEC
 QUALITY .113
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.735	822.5	.394	.215

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	580.8	.084	5.39E+04	
.051	636.8	.090	9.17E+04	
.063	585.1	.093	9.40E+04	
.089	646.2	.104	2.60E+05	
.114	750.4	.117	1.74E+05	
.140	782.1	.126	9.98E+04	
.165	776.4	.132	1.05E+05	
.317	844.5	.173	1.22E+05	
.394	880.1	.196	1.27E+05	
.470	911.2	.218	1.05E+05	
.546	927.4	.235	8.57E+04	
.622	935.9	.250	7.47E+04	
.698	939.1	.263	6.53E+04	
.775	940.6	.275	7.17E+04	
.851	942.3	.288	6.91E+04	
.927	943.2	.299	5.60E+04	
1.003	933.4	.310	5.58E+04	
1.067	863.2	.316	3.22E+04	
1.156	895.6	.324	3.50E+04	
1.232	901.1	.329	2.80E+04	
1.257	918.9	.332	5.03E+04	
1.321	914.7	.339	4.72E+04	
1.384	974.9	.347	5.27E+04	
1.460	976.8	.356	5.09E+04	
1.511	970.8	.362	4.15E+04	
1.562	973.9	.367	4.69E+04	
1.613	979.1	.373	4.63E+04	
1.689	976.7	.382	5.27E+04	
1.765	972.5	.390	3.78E+04	
1.816	966.3	.394	3.58E+04	
1.867	939.4	.398	2.54E+04	
1.918	922.1	.401	2.77E+04	
1.994	902.8	.406	2.06E+04	
2.070	899.8	.409	1.88E+04	

INEL POST-CHF EXPERIMENT NO. 95

POINT SERIAL NO. 2095.031 (TIME= 104.50 SEC)

[INFERRED VAPOR TEMP]
 LOOP PRESSURE(PE-3) 7.98 MPA
 FCV TEMPERATURE(TE-FCV-1T) 547.4 K
 LHP INLET ENTHALPY 1.206E+06 J/KG
 TEST SECTION:
 PRESSURE 3.58 MPA
 SAT TEMP 517.04 K
 MASS FLUX 60.27 KG/SEC-M**2
 INLET QUALITY .086
 INLET ENTHALPY 1.206E+06 J/KG
 QUENCH FRONT:
 ELEVATION .307 M
 VELOCITY .0159 M/SEC
 QUALITY .144
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	1.229	755.0	.349	.259

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	557.2	.087	3.93E+04	
.051	586.2	.091	5.39E+04	
.063	551.1	.093	4.35E+04	
.089	574.1	.096	6.31E+04	
.114	570.4	.100	6.46E+04	
.140	582.1	.105	1.01E+05	
.165	590.5	.111	9.49E+04	
.317	696.4	.146	9.37E+04	
.394	777.4	.164	1.04E+05	
.470	803.8	.183	1.05E+05	
.546	837.1	.203	1.04E+05	
.622	848.5	.220	8.85E+04	
.698	867.8	.236	8.02E+04	
.775	874.7	.250	7.77E+04	
.851	887.5	.264	7.12E+04	
.927	893.4	.277	6.62E+04	
1.003	888.9	.289	6.15E+04	
1.067	841.6	.297	4.52E+04	
1.156	877.1	.306	4.29E+04	
1.232	880.5	.314	4.33E+04	
1.257	887.0	.317	5.27E+04	
1.321	888.2	.325	4.72E+04	
1.384	939.1	.333	5.44E+04	
1.460	942.8	.343	5.28E+04	
1.511	942.8	.349	4.72E+04	
1.562	941.3	.355	5.19E+04	
1.613	949.7	.361	4.91E+04	
1.689	950.8	.370	4.63E+04	
1.765	953.3	.378	4.11E+04	
1.816	949.5	.383	3.79E+04	
1.867	933.2	.387	3.26E+04	
1.918	914.0	.391	3.30E+04	
1.994	903.9	.397	2.66E+04	
2.070	903.2	.401	2.50E+04	

INEL POST-CHF EXPERIMENT NO. 95

POINT SERIAL NO. 3095.031 (TIME= 104.50 SEC)
 [INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 7.98 MPA
 FCV TEMPERATURE(TE-FCV-1T) 547.4 K
 LHP INLET ENTHALPY 1.206E+06 J/KG
 TEST SECTION:
 PRESSURE 3.58 MPA
 SAT TEMP 517.04 K
 MASS FLUX 60.27 KG/SEC-M**2
 INLET QUALITY .086
 INLET ENTHALPY 1.206E+06 J/KG
 QUENCH FRONT:
 ELEVATION .307 M
 VELOCITY .0159 M/SEC
 QUALITY .144
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 [INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.534	816.0	.383	.268

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	557.2	.087	3.93E+04	
.051	586.2	.091	5.39E+04	
.063	551.1	.093	4.35E+04	
.089	574.1	.096	6.31E+04	
.114	570.4	.100	6.46E+04	
.140	582.1	.105	1.01E+05	
.165	590.5	.111	9.49E+04	
.317	696.4	.146	9.37E+04	
.394	777.4	.164	1.04E+05	
.470	803.8	.183	1.05E+05	
.546	837.1	.203	1.04E+05	
.622	848.5	.220	8.85E+04	
.698	867.8	.236	8.02E+04	
.775	874.7	.250	7.77E+04	
.851	887.5	.264	7.12E+04	
.927	893.4	.277	6.62E+04	
1.003	888.9	.289	6.15E+04	
1.067	841.6	.297	4.52E+04	
1.156	877.1	.306	4.29E+04	
1.232	880.5	.314	4.33E+04	
1.257	887.0	.317	5.27E+04	
1.321	888.2	.325	4.72E+04	
1.384	939.1	.333	5.44E+04	
1.460	942.8	.343	5.28E+04	
1.511	942.8	.349	4.72E+04	
1.562	941.3	.355	5.19E+04	
1.613	949.7	.361	4.91E+04	
1.689	950.8	.370	4.63E+04	
1.765	953.3	.378	4.11E+04	
1.816	949.5	.383	3.79E+04	
1.867	933.2	.387	3.26E+04	
1.918	914.0	.391	3.30E+04	
1.994	903.9	.397	2.66E+04	
2.070	903.2	.401	2.50E+04	

INEL POST-CHF EXPERIMENT NO. 96

POINT SERIAL NO. 1096.010 (TIME= 246.50 SEC)
 LOOP PRESSURE(PE-3) 8.04 MPA
 FCV TEMPERATURE(TE-FCV-1T) 547.4 K
 LHP INLET ENTHALPY 1.206E+06 J/KG
 TEST SECTION:
 PRESSURE 3.58 MPA
 SAT TEMP 517.04 K
 MASS FLUX 48.73 KG/SEC-M**2
 INLET QUALITY .086
 INLET ENTHALPY 1.206E+06 J/KG
 QUENCH FRONT:
 ELEVATION .867 M
 VELOCITY .0025 M/SEC
 QUALITY .149
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.365	599.8	.193	.170

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	574.1	.087	2.24E+04	
.051	538.9	.089	2.29E+04	
.063	527.8	.090	2.22E+04	
.089	532.6	.092	2.22E+04	
.114	524.2	.094	2.18E+04	
.140	523.0	.095	2.16E+04	
.165	523.8	.097	2.17E+04	
.317	523.4	.107	2.18E+04	
.394	527.5	.112	2.19E+04	
.470	533.3	.117	2.25E+04	
.546	534.1	.122	2.26E+04	
.622	526.4	.127	2.25E+04	
.698	542.5	.132	2.46E+04	
.775	542.5	.138	2.46E+04	
.851	679.1	.147	5.08E+04	
.927	775.3	.158	5.18E+04	
1.003	806.4	.170	4.60E+04	
1.067	803.0	.177	3.41E+04	
1.156	854.6	.186	3.30E+04	
1.232	845.4	.193	3.18E+04	
1.257	854.6	.196	2.97E+04	
1.321	880.1	.201	2.69E+04	
1.384	931.6	.206	2.46E+04	
1.461	964.2	.212	2.41E+04	
1.511	971.7	.215	2.31E+04	
1.562	962.7	.219	2.40E+04	
1.613	985.1	.223	2.55E+04	
1.689	1021.1	.228	2.39E+04	
1.765	1048.9	.234	2.33E+04	
1.816	1055.1	.237	2.11E+04	
1.867	1044.0	.240	2.42E+04	
1.918	1030.7	.244	2.33E+04	
1.994	1049.4	.249	2.38E+04	
2.070	753.8	.254	1.98E+04	

INEL POST-CHF EXPERIMENT NO. 96

POINT SERIAL NO. 2096.010 (TIME= 247.50 SEC)

LOOP PRESSURE(PE-3) 8.02 MPA
 FCV TEMPERATURE(TE-FCV-1T) 547.4 K
 LHP INLET ENTHALPY 1.206E+06 J/KG
 TEST SECTION:
 PRESSURE 3.58 MPA
 SAT TEMP 517.04 K
 MASS FLUX 48.82 KG/SEC-M**2
 INLET QUALITY .086
 INLET ENTHALPY 1.206E+06 J/KG
 QUENCH FRONT:
 ELEVATION .869 M
 VELOCITY .0025 M/SEC
 QUALITY .149
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE XA
1.537	.667	707.9	.218 .169

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	574.1	.087	2.23E+04	
.051	538.9	.089	2.28E+04	
.063	527.8	.090	2.21E+04	
.089	532.6	.092	2.22E+04	
.114	524.2	.094	2.18E+04	
.140	523.0	.095	2.16E+04	
.165	523.8	.097	2.17E+04	
.317	523.4	.107	2.18E+04	
.394	527.5	.112	2.20E+04	
.470	533.3	.117	2.25E+04	
.546	534.1	.122	2.27E+04	
.622	526.4	.127	2.25E+04	
.698	542.4	.132	2.48E+04	
.775	542.4	.138	2.46E+04	
.851	655.1	.147	5.00E+04	
.927	769.8	.158	5.47E+04	
1.003	804.5	.170	4.72E+04	
1.067	802.1	.178	3.47E+04	
1.156	853.8	.187	3.33E+04	
1.232	844.8	.194	3.17E+04	
1.257	854.0	.197	3.04E+04	
1.321	879.8	.202	2.73E+04	
1.384	931.5	.207	2.49E+04	
1.461	964.1	.213	2.46E+04	
1.511	971.6	.216	2.32E+04	
1.562	962.6	.220	2.42E+04	
1.613	984.9	.224	2.57E+04	
1.689	1021.0	.229	2.41E+04	
1.765	1048.8	.235	2.34E+04	
1.816	1055.1	.238	2.13E+04	
1.867	1043.9	.242	2.43E+04	
1.918	1030.6	.245	2.35E+04	
1.994	1049.3	.251	2.39E+04	
2.070	754.0	.256	1.99E+04	

INEL POST-CHF EXPERIMENT NO. 96

POINT SERIAL NO. 3096.010 (TIME= 248.50 SEC)

LOOP PRESSURE(PE-3) 8.00 MPA
 FCV TEMPERATURE(TE-FCV-1T) 547.4 K
 LHP INLET ENTHALPY 1.206E+06 J/KG
 TEST SECTION:
 PRESSURE 3.58 MPA
 SAT TEMP 517.0 K
 MASS FLUX 48.83 KG/SEC-M**2
 INLET QUALITY .086
 INLET ENTHALPY 1.206E+06 J/KG
 QUENCH FRONT:
 ELEVATION .872 M
 VELOCITY .0025 M/SEC
 QUALITY .150
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE XA
1.842	.970	843.5	.242 .165

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	574.0	.087	2.23E+04	
.051	538.9	.089	2.28E+04	
.063	527.8	.090	2.21E+04	
.089	532.6	.092	2.22E+04	
.114	524.2	.093	2.18E+04	
.140	522.9	.095	2.17E+04	
.165	523.8	.097	2.17E+04	
.317	523.4	.107	2.18E+04	
.394	527.5	.112	2.20E+04	
.470	533.2	.117	2.25E+04	
.546	534.0	.122	2.27E+04	
.622	526.3	.127	2.25E+04	
.698	542.2	.132	2.47E+04	
.775	542.2	.138	2.45E+04	
.851	629.4	.146	4.92E+04	
.927	763.1	.158	5.72E+04	
1.003	802.5	.170	4.84E+04	
1.067	801.1	.178	3.55E+04	
1.156	853.0	.188	3.41E+04	
1.232	844.2	.195	3.20E+04	
1.257	853.3	.198	3.20E+04	
1.321	879.5	.203	2.84E+04	
1.384	931.3	.208	2.57E+04	
1.461	963.9	.214	2.49E+04	
1.511	971.5	.218	2.34E+04	
1.562	962.5	.222	2.46E+04	
1.613	984.7	.225	2.59E+04	
1.689	1020.9	.231	2.43E+04	
1.765	1048.8	.237	2.35E+04	
1.816	1055.0	.240	2.15E+04	
1.867	1043.8	.243	2.44E+04	
1.918	1030.5	.247	2.37E+04	
1.994	1049.3	.252	2.40E+04	
2.070	754.1	.258	2.01E+04	

INEL POST-CHF EXPERIMENT NO. 96

POINT SERIAL NO. 1096.020 (TIME= 256.50 SEC)

LOOP PRESSURE{PE-3} 7.96 MPA
 FCV TEMPERATURE{TE-FCV-1T} 547.0 K
 LHP INLET ENTHALPY 1.204E+06 J/KG
 TEST SECTION:
 PRESSURE 3.58 MPA
 SAT TEMP 517.05 K
 MASS FLUX 49.11 KG/SEC-M**2
 INLET QUALITY .085
 INLET ENTHALPY 1.204E+06 J/KG
 QUENCH FRONT:
 ELEVATION .901 M
 VELOCITY .0094 M/SEC
 QUALITY .152
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.232 .331 580.1 .202 .182

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013	573.8	.086	2.21E+04	
.051	538.3	.088	2.22E+04	
.063	527.5	.089	2.21E+04	
.089	532.2	.091	2.23E+04	
.114	523.9	.092	2.22E+04	
.140	522.8	.094	2.20E+04	
.165	523.7	.096	2.19E+04	
.317	523.2	.106	2.20E+04	
.394	527.1	.111	2.21E+04	
.470	532.4	.116	2.27E+04	
.546	533.3	.121	2.27E+04	
.622	525.6	.126	2.24E+04	
.698	540.2	.131	2.36E+04	
.775	540.1	.137	2.40E+04	
.851	583.6	.144	4.06E+04	
.927	711.4	.157	7.22E+04	
1.003	776.0	.172	6.66E+04	
1.067	786.5	.183	4.33E+04	
1.156	841.3	.194	3.93E+04	
1.232	834.4	.202	3.44E+04	
1.257	843.0	.205	3.88E+04	
1.321	873.0	.212	3.34E+04	
1.384	927.3	.218	3.16E+04	
1.461	961.6	.225	2.93E+04	
1.511	969.3	.229	2.67E+04	
1.562	960.2	.233	2.87E+04	
1.613	981.4	.237	2.93E+04	
1.689	1019.0	.244	2.73E+04	
1.765	1047.8	.250	2.51E+04	
1.816	1054.0	.254	2.44E+04	
1.867	1042.4	.257	2.52E+04	
1.918	1029.1	.261	2.56E+04	
1.994	1048.1	.267	2.44E+04	
2.070	756.4	.272	1.99E+04	

INEL POST-CHF EXPERIMENT NO. 96

POINT SERIAL NO. 2096.020 (TIME= 258.50 SEC)

LOOP PRESSURE{PE-3} 7.96 MPA
 FCV TEMPERATURE{TE-FCV-1T} 546.9 K
 LHP INLET ENTHALPY 1.204E+06 J/KG
 TEST SECTION:
 PRESSURE 3.58 MPA
 SAT TEMP 517.06 K
 MASS FLUX 49.18 KG/SEC-M**2
 INLET QUALITY .084
 INLET ENTHALPY 1.204E+06 J/KG
 QUENCH FRONT:
 ELEVATION .919 M
 VELOCITY .0094 M/SEC
 QUALITY .156
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.537 .617 706.2 .236 .183

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013	573.7	.085	2.21E+04	
.051	538.3	.088	2.23E+04	
.063	527.5	.089	2.21E+04	
.089	532.1	.090	2.22E+04	
.114	523.9	.092	2.20E+04	
.140	522.8	.094	2.20E+04	
.165	523.6	.095	2.19E+04	
.317	523.1	.105	2.21E+04	
.394	527.0	.110	2.23E+04	
.470	532.1	.115	2.26E+04	
.546	533.0	.120	2.26E+04	
.622	525.4	.126	2.24E+04	
.698	539.6	.131	2.37E+04	
.775	539.5	.136	2.38E+04	
.851	569.0	.143	3.63E+04	
.927	648.2	.158	9.30E+04	
1.003	765.9	.175	6.56E+04	
1.067	782.6	.186	4.96E+04	
1.156	837.1	.198	4.23E+04	
1.232	832.2	.207	3.68E+04	
1.257	839.6	.210	4.12E+04	
1.321	871.7	.217	3.40E+04	
1.384	927.0	.223	3.00E+04	
1.461	961.5	.230	2.62E+04	
1.511	969.1	.234	2.45E+04	
1.562	960.1	.238	2.65E+04	
1.613	980.6	.242	2.75E+04	
1.689	1018.7	.248	2.59E+04	
1.765	1047.7	.253	2.46E+04	
1.816	1054.0	.257	2.32E+04	
1.867	1042.2	.261	2.46E+04	
1.918	1028.8	.264	2.52E+04	
1.994	1047.7	.270	2.45E+04	
2.070	757.2	.275	2.07E+04	

INEL POST-CHF EXPERIMENT NO. 96

POINT SERIAL NO. 3096.021 (TIME= 258.50 SEC)
 { INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 7.96 MPA
 FCV TEMPERATURE(TE-FCV-1T) 546.9 K
 LHP INLET ENTHALPY 1.204E+06 J/KG
 TEST SECTION:
 PRESSURE 3.58 MPA
 SAT TEMP 517.06 K
 MASS FLUX 49.18 KG/SEC-M**2
 INLET QUALITY .084
 INLET ENTHALPY 1.204E+06 J/KG
 QUENCH FRONT:
 ELEVATION .919 M
 VELOCITY .0094 M/SEC
 QUALITY .156
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

{ INFERRED VAPOR TEMP)
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.842	.922	814.0	.259	.182
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WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	573.7	.085	2.21E+04	
.051	538.3	.088	2.23E+04	
.063	527.5	.089	2.21E+04	
.089	532.1	.090	2.22E+04	
.114	523.9	.092	2.20E+04	
.140	522.8	.094	2.20E+04	
.165	523.6	.095	2.19E+04	
.317	523.1	.105	2.21E+04	
.394	527.0	.110	2.23E+04	
.470	532.1	.115	2.26E+04	
.546	533.0	.120	2.26E+04	
.622	525.4	.126	2.24E+04	
.698	539.6	.131	2.37E+04	
.775	539.5	.136	2.38E+04	
.851	569.0	.143	3.63E+04	
.927	648.2	.158	9.30E+04	
1.003	765.9	.175	6.56E+04	
1.067	782.6	.186	4.96E+04	
1.156	837.1	.198	4.23E+04	
1.232	832.2	.207	3.68E+04	
1.257	839.6	.210	4.12E+04	
1.321	871.7	.217	3.40E+04	
1.384	927.0	.223	3.00E+04	
1.461	961.5	.230	2.62E+04	
1.511	969.1	.234	2.45E+04	
1.562	960.1	.238	2.65E+04	
1.613	980.6	.242	2.75E+04	
1.689	1018.7	.248	2.59E+04	
1.765	1047.7	.253	2.46E+04	
1.816	1054.0	.257	2.32E+04	
1.867	1042.2	.261	2.46E+04	
1.918	1028.8	.264	2.52E+04	
1.994	1047.7	.270	2.45E+04	
2.070	757.2	.275	2.07E+04	

INEL POST-CHF EXPERIMENT NO. 96

POINT SERIAL NO. 1096.031 (TIME= 269.50 SEC)
 { INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 7.96 MPA
 FCV TEMPERATURE(TE-FCV-1T) 546.7 K
 LHP INLET ENTHALPY 1.203E+06 J/KG
 TEST SECTION:
 PRESSURE 3.59 MPA
 SAT TEMP 517.10 K
 MASS FLUX 49.40 KG/SEC-M**2
 INLET QUALITY .084
 INLET ENTHALPY 1.203E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.007 M
 VELOCITY .0067 M/SEC
 QUALITY .164
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

{ INFERRED VAPOR TEMP)
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.232	.225	540.0	.202	.193
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WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	573.5	.085	2.22E+04	
.051	537.8	.087	2.22E+04	
.063	527.1	.088	2.21E+04	
.089	531.6	.090	2.23E+04	
.114	523.4	.091	2.22E+04	
.140	522.6	.093	2.21E+04	
.165	523.4	.095	2.21E+04	
.317	522.8	.105	2.22E+04	
.394	526.3	.110	2.23E+04	
.470	531.1	.115	2.26E+04	
.546	532.0	.120	2.26E+04	
.622	524.7	.125	2.24E+04	
.698	537.3	.130	2.33E+04	
.775	536.7	.135	2.38E+04	
.851	557.7	.141	2.79E+04	
.927	582.2	.150	4.97E+04	
1.003	657.1	.164	7.35E+04	
1.067	743.8	.176	5.83E+04	
1.156	810.4	.190	4.43E+04	
1.232	801.0	.202	6.22E+04	
1.257	810.6	.206	4.86E+04	
1.321	850.5	.214	4.16E+04	
1.384	904.7	.222	4.53E+04	
1.461	942.8	.233	4.48E+04	
1.511	951.9	.239	4.09E+04	
1.562	942.4	.245	4.29E+04	
1.613	964.9	.251	4.01E+04	
1.689	1005.0	.260	3.82E+04	
1.765	1037.5	.269	3.52E+04	
1.816	1042.7	.274	3.45E+04	
1.867	1033.0	.279	3.44E+04	
1.918	1019.4	.284	3.46E+04	
1.994	1041.4	.291	3.10E+04	
2.070	757.3	.298	2.36E+04	

INEL POST-CHF EXPERIMENT NO. 96

POINT SERIAL NO. 2096.030 (TIME= 268.50 SEC)

LOOP PRESSURE(PE-3) 7.97 MPA
 FCV TEMPERATURE(TE-FCV-1T) 546.7 K
 LHP INLET ENTHALPY 1.203E+06 J/KG
 TEST SECTION:
 PRESSURE 3.59 MPA
 SAT TEMP 517.10 K
 MASS FLUX 49.42 KG/SEC-M**2
 INLET QUALITY .084
 INLET ENTHALPY 1.203E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.000 M
 VELOCITY .0067 M/SEC
 QUALITY .164
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.537	658.8	.242	.198

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	573.5	.085	2.21E+04	
.051	537.9	.087	2.22E+04	
.063	527.2	.088	2.21E+04	
.089	531.7	.090	2.23E+04	
.114	523.4	.091	2.22E+04	
.140	522.6	.093	2.21E+04	
.165	523.5	.095	2.21E+04	
.317	522.8	.105	2.21E+04	
.394	526.4	.110	2.23E+04	
.470	531.2	.115	2.26E+04	
.546	532.1	.120	2.26E+04	
.622	524.8	.125	2.24E+04	
.698	537.4	.130	2.33E+04	
.775	537.0	.135	2.38E+04	
.851	558.5	.141	2.85E+04	
.927	586.0	.150	5.32E+04	
1.003	684.5	.165	7.55E+04	
1.067	748.6	.177	5.69E+04	
1.156	812.9	.191	4.42E+04	
1.232	805.6	.202	5.81E+04	
1.257	813.6	.206	4.85E+04	
1.321	852.7	.215	4.18E+04	
1.384	907.2	.223	4.50E+04	
1.461	945.1	.233	4.33E+04	
1.511	954.0	.239	3.99E+04	
1.562	944.6	.245	4.20E+04	
1.613	966.8	.251	3.96E+04	
1.689	1006.7	.260	3.79E+04	
1.765	1038.9	.268	3.48E+04	
1.816	1044.2	.273	3.42E+04	
1.867	1034.2	.278	3.40E+04	
1.918	1020.7	.284	3.43E+04	
1.994	1042.3	.291	3.08E+04	
2.070	757.5	.297	2.35E+04	

INEL POST-CHF EXPERIMENT NO. 96

POINT SERIAL NO. 3096.030 (TIME= 268.50 SEC)

LOOP PRESSURE(PE-3) 7.97 MPA
 FCV TEMPERATURE(TE-FCV-1T) 546.7 K
 LHP INLET ENTHALPY 1.203E+06 J/KG
 TEST SECTION:
 PRESSURE 3.59 MPA
 SAT TEMP 517.10 K
 MASS FLUX 49.42 KG/SEC-M**2
 INLET QUALITY .084
 INLET ENTHALPY 1.203E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.000 M
 VELOCITY .0067 M/SEC
 QUALITY .164
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.842	.842	793.0	.276	.197

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	573.5	.085	2.21E+04	
.051	537.9	.087	2.22E+04	
.063	527.2	.088	2.21E+04	
.089	531.7	.090	2.23E+04	
.114	523.4	.091	2.22E+04	
.140	522.6	.093	2.21E+04	
.165	523.5	.095	2.21E+04	
.317	522.8	.105	2.21E+04	
.394	526.4	.110	2.23E+04	
.470	531.2	.115	2.26E+04	
.546	532.1	.120	2.26E+04	
.622	524.8	.125	2.24E+04	
.698	537.4	.130	2.33E+04	
.775	537.0	.135	2.38E+04	
.851	558.5	.141	2.85E+04	
.927	586.0	.150	5.32E+04	
1.003	684.5	.165	7.55E+04	
1.067	748.6	.177	5.69E+04	
1.156	812.9	.191	4.42E+04	
1.232	805.6	.202	5.81E+04	
1.257	813.6	.206	4.85E+04	
1.321	852.7	.215	4.18E+04	
1.384	907.2	.223	4.50E+04	
1.461	945.1	.233	4.33E+04	
1.511	954.0	.239	3.99E+04	
1.562	944.6	.245	4.20E+04	
1.613	966.8	.251	3.96E+04	
1.689	1006.7	.260	3.79E+04	
1.765	1038.9	.268	3.48E+04	
1.816	1044.2	.273	3.42E+04	
1.867	1034.2	.278	3.40E+04	
1.918	1020.7	.284	3.43E+04	
1.994	1042.3	.291	3.08E+04	
2.070	757.5	.297	2.35E+04	

INEL POST-CHF EXPERIMENT NO. 96

POINT SERIAL NO. 1096.041 (TIME= 279.50 SEC)
 {INFERRED VAPOR TEMP}
 LOOP PRESSURE(PE-3) 7.97 MPA
 FCV TEMPERATURE(TE-FCV-1T) 546.7 K
 LHP INLET ENTHALPY 1.203E+06 J/KG
 TEST SECTION:
 PRESSURE 3.58 MPA
 SAT TEMP 517.04 K
 MASS FLUX 49.54 KG/SEC-M**2
 INLET QUALITY .084
 INLET ENTHALPY 1.203E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.081 M
 VELOCITY .0079 M/SEC
 QUALITY .167
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
(INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.151	520.0	.202	.200

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	573.2	.085	2.24E+04	
.051	537.4	.087	2.21E+04	
.063	526.8	.088	2.23E+04	
.089	531.2	.090	2.22E+04	
.114	522.9	.091	2.22E+04	
.140	522.4	.093	2.22E+04	
.165	523.2	.095	2.20E+04	
.317	522.5	.105	2.22E+04	
.394	525.7	.110	2.24E+04	
.470	530.2	.115	2.26E+04	
.546	530.9	.120	2.26E+04	
.622	524.1	.125	2.24E+04	
.698	535.5	.130	2.33E+04	
.775	534.5	.135	2.33E+04	
.851	551.6	.141	2.45E+04	
.927	563.6	.147	2.97E+04	
1.003	547.7	.154	3.33E+04	
1.067	682.6	.164	7.88E+04	
1.156	783.3	.182	5.37E+04	
1.232	737.1	.202	1.24E+05	
1.257	776.3	.209	6.61E+04	
1.321	827.1	.219	4.70E+04	
1.384	875.4	.228	5.09E+04	
1.461	912.8	.241	5.84E+04	
1.511	925.3	.249	5.30E+04	
1.562	914.5	.257	5.90E+04	
1.613	940.9	.266	5.34E+04	
1.689	983.3	.277	4.68E+04	
1.765	1019.4	.287	4.36E+04	
1.816	1024.0	.294	4.27E+04	
1.867	1016.4	.300	4.16E+04	
1.918	1002.2	.306	4.04E+04	
1.994	1028.9	.315	3.54E+04	
2.070	754.2	.322	2.64E+04	

INEL POST-CHF EXPERIMENT NO. 96

POINT SERIAL NO. 2096.041 (TIME= 279.50 SEC)
 {INFERRED VAPOR TEMP}
 LOOP PRESSURE(PE-3) 7.97 MPA
 FCV TEMPERATURE(TE-FCV-1T) 546.7 K
 LHP INLET ENTHALPY 1.203E+06 J/KG
 TEST SECTION:
 PRESSURE 3.58 MPA
 SAT TEMP 517.04 K
 MASS FLUX 49.54 KG/SEC-M**2
 INLET QUALITY .084
 INLET ENTHALPY 1.203E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.081 M
 VELOCITY .0079 M/SEC
 QUALITY .169
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
(INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.456	605.0	.238	.207

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	573.2	.085	2.23E+04	
.051	537.5	.087	2.23E+04	
.063	526.8	.088	2.22E+04	
.089	531.3	.090	2.22E+04	
.114	523.0	.091	2.22E+04	
.140	522.4	.093	2.20E+04	
.165	523.3	.095	2.21E+04	
.317	522.5	.105	2.22E+04	
.394	525.8	.110	2.23E+04	
.470	530.2	.115	2.26E+04	
.546	531.0	.120	2.27E+04	
.622	524.1	.125	2.24E+04	
.698	535.4	.130	2.32E+04	
.775	534.6	.135	2.33E+04	
.851	551.9	.141	2.56E+04	
.927	564.7	.147	3.03E+04	
1.003	559.7	.156	4.70E+04	
1.067	683.5	.166	6.73E+04	
1.156	775.7	.181	4.10E+04	
1.232	736.9	.195	9.12E+04	
1.257	772.5	.201	5.88E+04	
1.321	828.2	.210	4.08E+04	
1.384	878.4	.218	4.42E+04	
1.461	915.6	.228	4.56E+04	
1.511	926.9	.235	4.19E+04	
1.562	916.2	.241	4.49E+04	
1.613	942.4	.248	4.24E+04	
1.689	984.9	.257	4.03E+04	
1.765	1020.4	.266	3.88E+04	
1.816	1025.4	.272	3.68E+04	
1.867	1017.7	.277	3.70E+04	
1.918	1004.9	.283	3.57E+04	
1.994	1030.8	.290	3.31E+04	
2.070	754.7	.297	2.50E+04	

INEL POST-CHF EXPERIMENT NO. 96

POINT SERIAL NO. 3096.041 (TIME= 279.50 SEC)
 (INFERRED VAPOR TEMP)
 LOOP PRESSURE{PE-3} 7.97 MPA
 FCV TEMPERATURE{TE-FCV-1T} 546.7 K
 LHP INLET ENTHALPY 1.203E+06 J/KG
 TEST SECTION:
 PRESSURE 3.58 MPA
 SAT TEMP 517.04 K
 MASS FLUX 49.54 KG/SEC-M**2
 INLET QUALITY .084
 INLET ENTHALPY 1.203E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.081 M
 VELOCITY .0079 M/SEC
 QUALITY .169
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 (INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.842	.761	760.0	.275	.203

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	573.2	.085	2.23E+04	
.051	537.5	.087	2.23E+04	
.063	526.8	.088	2.22E+04	
.089	531.3	.090	2.22E+04	
.114	523.0	.091	2.22E+04	
.140	522.4	.093	2.20E+04	
.165	523.3	.095	2.21E+04	
.317	522.5	.105	2.22E+04	
.394	525.8	.110	2.23E+04	
.470	530.2	.115	2.26E+04	
.546	531.0	.120	2.27E+04	
.622	524.1	.125	2.24E+04	
.696	535.4	.130	2.32E+04	
.775	534.6	.135	2.33E+04	
.851	551.9	.141	2.56E+04	
.927	564.7	.147	3.03E+04	
1.003	559.7	.156	4.70E+04	
1.067	683.5	.166	6.73E+04	
1.156	775.7	.181	4.10E+04	
1.232	736.9	.195	9.12E+04	
1.257	772.5	.201	5.88E+04	
1.321	828.2	.210	4.08E+04	
1.384	878.4	.218	4.42E+04	
1.460	915.6	.228	4.56E+04	
1.511	926.9	.235	4.19E+04	
1.562	916.2	.241	4.49E+04	
1.613	942.4	.248	4.24E+04	
1.689	984.9	.257	4.03E+04	
1.765	1020.4	.266	3.88E+04	
1.816	1025.4	.272	3.68E+04	
1.867	1017.7	.277	3.70E+04	
1.918	1004.9	.283	3.57E+04	
1.994	1030.8	.290	3.31E+04	
2.070	754.7	.297	2.50E+04	

INEL POST-CHF EXPERIMENT NO. 96

POINT SERIAL NO. 2096.050 (TIME= 287.50 SEC)
 LOOP PRESSURE{PE-3} 7.99 MPA
 FCV TEMPERATURE{TE-FCV-1T} 546.9 K
 LHP INLET ENTHALPY 1.204E+06 J/KG
 TEST SECTION:
 PRESSURE 3.58 MPA
 SAT TEMP 517.06 K
 MASS FLUX 49.56 KG/SEC-M**2
 INLET QUALITY .084
 INLET ENTHALPY 1.204E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.05 M
 VELOCITY .0079 M/SEC
 QUALITY .185
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.352	569.5	.238	.217

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	573.0	.085	2.23E+04	
.051	537.2	.088	2.23E+04	
.063	526.6	.089	2.22E+04	
.089	531.1	.090	2.23E+04	
.114	522.8	.092	2.21E+04	
.140	522.3	.094	2.21E+04	
.165	523.2	.095	2.20E+04	
.317	522.3	.105	2.22E+04	
.394	525.5	.110	2.22E+04	
.470	529.7	.115	2.25E+04	
.546	530.4	.120	2.26E+04	
.622	523.7	.125	2.23E+04	
.698	534.4	.130	2.31E+04	
.775	533.5	.136	2.33E+04	
.851	549.1	.141	2.51E+04	
.927	558.8	.147	2.76E+04	
1.003	542.5	.153	2.82E+04	
1.067	635.1	.162	6.43E+04	
1.156	732.7	.178	6.02E+04	
1.232	648.8	.196	9.58E+04	
1.257	736.8	.202	6.34E+04	
1.321	813.6	.211	4.04E+04	
1.384	861.8	.219	4.16E+04	
1.460	898.1	.228	4.33E+04	
1.511	911.3	.235	3.98E+04	
1.562	899.0	.241	4.26E+04	
1.613	927.6	.247	3.92E+04	
1.689	972.5	.255	3.54E+04	
1.765	1009.3	.263	3.43E+04	
1.816	1014.6	.268	3.21E+04	
1.867	1007.4	.273	3.42E+04	
1.918	995.8	.278	3.12E+04	
1.994	1023.4	.285	3.01E+04	
2.070	752.5	.291	2.42E+04	

INEL POST-CHF EXPERIMENT NO. 96

POINT SERIAL NO. 3096.050 (TIME= 291.50 SEC)

LOOP PRESSURE{PE-3} 7.96 MPA
 FCV TEMPERATURE{TE-FCV-1T} 546.9 K
 LHP INLET ENTHALPY 1.204E+06 J/KG
 TEST SECTION:
 PRESSURE 3.59 MPA
 SAT TEMP 517.08 K
 MASS FLUX 49.47 KG/SEC-M**2
 INLET QUALITY .085
 INLET ENTHALPY 1.204E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.253 M
 VELOCITY .0025 M/SEC
 QUALITY .199
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.842	.588	705.8	.264	.206

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	573.0	.085	2.22E+04	
.051	537.1	.088	2.23E+04	
.063	526.5	.089	2.22E+04	
.089	531.0	.090	2.23E+04	
.114	522.8	.092	2.21E+04	
.140	522.3	.094	2.20E+04	
.165	523.2	.095	2.20E+04	
.317	522.2	.105	2.21E+04	
.394	525.4	.110	2.22E+04	
.470	529.6	.115	2.25E+04	
.546	530.2	.120	2.26E+04	
.622	523.6	.125	2.23E+04	
.698	534.1	.130	2.34E+04	
.775	533.1	.136	2.33E+04	
.851	548.3	.141	2.54E+04	
.927	557.3	.147	2.70E+04	
1.003	540.9	.153	2.67E+04	
1.067	619.6	.161	6.01E+04	
1.156	682.8	.177	6.29E+04	
1.232	649.5	.194	8.77E+04	
1.257	701.2	.200	6.31E+04	
1.321	809.4	.209	3.85E+04	
1.384	857.6	.217	3.89E+04	
1.460	893.5	.225	3.74E+04	
1.511	906.9	.231	3.58E+04	
1.562	894.1	.236	3.86E+04	
1.613	923.3	.242	3.67E+04	
1.689	969.0	.250	3.41E+04	
1.765	1006.0	.257	3.33E+04	
1.816	1011.6	.262	3.10E+04	
1.867	1004.7	.267	3.28E+04	
1.918	993.7	.272	2.91E+04	
1.994	1021.7	.278	2.88E+04	
2.070	752.0	.284	2.36E+04	

INEL POST-CHF EXPERIMENT NO. 101

POINT SERIAL NO. 1101.010 (TIME= 153.50 SEC)

LOOP PRESSURE{PE-3} 7.97 MPA
 FCV TEMPERATURE{TE-FCV-1T} 525.0 K
 LHP INLET ENTHALPY 1.095E+06 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 453.84 K
 MASS FLUX 23.69 KG/SEC-M**2
 INLET QUALITY .182
 INLET ENTHALPY 1.095E+06 J/KG
 QUENCH FRONT:
 ELEVATION .237 M
 VELOCITY .0033 M/SEC
 QUALITY .228
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.995	761.9	.416	.312

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	457.7	.184	2.61E+04	
.051	461.6	.189	2.65E+04	
.063	457.5	.191	2.54E+04	
.089	469.4	.194	2.65E+04	
.114	464.8	.198	2.61E+04	
.140	457.6	.201	2.63E+04	
.165	463.3	.207	6.59E+04	
.317	801.6	.251	4.34E+04	
.394	858.8	.269	4.31E+04	
.470	893.3	.286	4.22E+04	
.546	925.7	.302	4.00E+04	
.622	943.6	.318	4.06E+04	
.598	962.5	.334	3.87E+04	
.775	978.8	.349	3.68E+04	
.851	991.7	.364	3.42E+04	
.927	994.2	.377	3.18E+04	
1.003	982.6	.389	2.99E+04	
1.067	898.9	.398	2.40E+04	1.48E+03
1.156	934.7	.409	2.40E+04	2.37E+02
1.232	910.5	.419	2.31E+04	
1.257	927.2	.422	2.60E+04	
1.321	930.6	.431	2.58E+04	
1.384	1001.7	.440	2.85E+04	
1.460	1020.6	.451	2.92E+04	
1.511	1018.5	.459	2.87E+04	
1.562	1000.4	.467	3.00E+04	
1.613	1021.2	.475	2.98E+04	
1.689	1040.0	.487	2.86E+04	
1.765	1044.0	.498	2.78E+04	
1.816	1033.3	.505	2.56E+04	
1.867	998.8	.512	2.61E+04	
1.918	981.7	.519	2.53E+04	
1.994	987.1	.529	2.36E+04	
2.070	994.1	.538	2.36E+04	

INEL POST-CHF EXPERIMENT NO. 101

POINT SERIAL NO. 2101.010 (TIME= 153.50 SEC)

LOOP PRESSURE{PE-3} 7.97 MPA
 FCV TEMPERATURE{TE-FCV-1T} 524.9 K
 LHP INLET ENTHALPY 1.095E+06 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 443.84 K
 MASS FLUX 23.69 KG/SEC-M**2
 INLET QUALITY .182
 INLET ENTHALPY 1.095E+06 J/KG
 QUENCH FRONT:
 ELEVATION .237 M
 VELOCITY .0033 M/SEC
 QUALITY .227
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.537	1.300	829.1	.451	.320

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION			HEAT LOSS W/M**2
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS	
(M)	(K)		W/M**2	W/M**2	
.013	458.1	.184	2.55E+04		
.051	461.7	.189	2.65E+04		
.063	457.4	.191	2.55E+04		
.089	469.5	.194	2.68E+04		
.114	465.0	.198	2.69E+04		
.140	457.6	.201	2.65E+04		
.165	463.7	.207	6.18E+04		
.317	801.5	.249	4.21E+04		
.394	858.8	.266	4.22E+04		
.470	893.6	.282	4.04E+04		
.546	924.9	.298	3.87E+04		
.622	943.5	.314	3.83E+04		
.698	962.7	.329	3.65E+04		
.775	978.1	.343	3.57E+04		
.851	991.5	.357	3.32E+04		
.927	993.9	.370	3.13E+04		
1.003	982.2	.382	2.84E+04		
1.067	898.5	.390	2.32E+04	1.81E+03	
1.156	934.3	.401	2.32E+04	4.09E+02	
1.232	910.4	.411	2.33E+04		
1.257	927.0	.414	2.52E+04		
1.321	930.3	.422	2.56E+04		
1.384	1001.3	.431	2.90E+04		
1.460	1020.3	.443	2.93E+04		
1.511	1018.2	.451	2.80E+04		
1.562	1000.1	.458	2.91E+04		
1.613	1020.9	.466	2.89E+04		
1.689	1039.8	.478	2.89E+04		
1.765	1043.8	.489	2.77E+04		
1.816	1033.0	.496	2.54E+04		
1.867	998.5	.503	2.63E+04		
1.918	981.5	.510	2.51E+04		
1.994	986.8	.520	2.36E+04		
2.070	993.8	.529	2.32E+04		

INEL POST-CHF EXPERIMENT NO. 101

POINT SERIAL NO. 2101.010 (TIME= 153.50 SEC)

LOOP PRESSURE{PE-3} 7.97 MPA
 FCV TEMPERATURE{TE-FCV-1T} 524.9 K
 LHP INLET ENTHALPY 1.095E+06 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 443.84 K
 MASS FLUX 23.69 KG/SEC-M**2
 INLET QUALITY .182
 INLET ENTHALPY 1.095E+06 J/KG
 QUENCH FRONT:
 ELEVATION .237 M
 VELOCITY .0033 M/SEC
 QUALITY .227
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.537	1.300	829.1	.451	.320

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION			HEAT LOSS W/M**2
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS	
(M)	(K)		W/M**2	W/M**2	
.013	458.1	.184	2.55E+04		
.051	461.7	.189	2.65E+04		
.063	457.4	.191	2.55E+04		
.089	469.5	.194	2.68E+04		
.114	465.0	.198	2.69E+04		
.140	457.6	.201	2.65E+04		
.165	463.7	.207	6.18E+04		
.317	801.5	.249	4.21E+04		
.394	858.8	.266	4.22E+04		
.470	893.6	.282	4.04E+04		
.546	924.9	.298	3.87E+04		
.622	943.5	.314	3.83E+04		
.698	962.7	.329	3.65E+04		
.775	978.1	.343	3.57E+04		
.851	991.5	.357	3.32E+04		
.927	993.9	.370	3.13E+04		
1.003	982.2	.382	2.84E+04		
1.067	898.5	.390	2.32E+04	1.81E+03	
1.156	934.3	.401	2.32E+04	4.09E+02	
1.232	910.4	.411	2.33E+04		
1.257	927.0	.414	2.52E+04		
1.321	930.3	.422	2.56E+04		
1.384	1001.3	.431	2.90E+04		
1.460	1020.3	.443	2.93E+04		
1.511	1018.2	.451	2.80E+04		
1.562	1000.1	.458	2.91E+04		
1.613	1020.9	.466	2.89E+04		
1.689	1039.8	.478	2.89E+04		
1.765	1043.8	.489	2.77E+04		
1.816	1033.0	.496	2.54E+04		
1.867	998.5	.503	2.63E+04		
1.918	981.5	.510	2.51E+04		
1.994	986.8	.520	2.36E+04		
2.070	993.8	.529	2.32E+04		

INEL POST-CHF EXPERIMENT NO. 101

POINT SERIAL NO. 3101.010 (TIME= 154.50 SEC)

LOOP PRESSURE(PE-3) 7.99 MPA
 FCV TEMPERATURE(TE-FCV-1T) 524.9 K
 LHP INLET ENTHALPY 1.094E+06 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 443.84 K
 MASS FLUX 23.69 KG/SEC-M**2
 INLET QUALITY .182
 INLET ENTHALPY 1.094E+06 J/KG
 QUENCH FRONT:
 ELEVATION .240 M
 VELOCITY .0033 M/SEC
 QUALITY .227
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.601	868.5	.495	.341

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	457.9	.184	2.57E+04	
.051	461.4	.189	2.64E+04	
.063	457.2	.191	2.53E+04	
.089	469.2	.194	2.65E+04	
.114	464.7	.198	2.65E+04	
.140	457.4	.201	2.62E+04	
.165	463.2	.207	5.88E+04	
.317	799.9	.248	4.29E+04	
.394	856.9	.265	4.23E+04	
.470	891.9	.281	4.05E+04	
.546	923.4	.297	3.90E+04	
.622	942.1	.313	3.88E+04	
.698	961.4	.328	3.67E+04	
.775	976.9	.342	3.58E+04	
.851	990.6	.356	3.33E+04	
.927	993.3	.369	3.14E+04	
1.003	981.8	.381	2.87E+04	
1.067	898.5	.390	2.33E+04	1.78E+03
1.156	934.5	.401	2.33E+04	3.78E+02
1.232	910.4	.410	2.32E+04	
1.257	927.0	.413	2.51E+04	
1.321	930.3	.422	2.55E+04	
1.384	1000.9	.431	2.88E+04	
1.460	1019.9	.442	2.91E+04	
1.511	1017.8	.450	2.77E+04	
1.562	999.7	.458	2.89E+04	
1.613	1020.5	.465	2.85E+04	
1.689	1039.5	.477	2.84E+04	
1.765	1043.6	.488	2.73E+04	
1.816	1032.9	.495	2.51E+04	
1.867	998.4	.502	2.60E+04	
1.918	981.5	.509	2.53E+04	
1.994	987.0	.518	2.34E+04	
2.070	994.0	.528	2.30E+04	

INEL POST-CHF EXPERIMENT NO. 101

POINT SERIAL NO. 1101.020 (TIME= 194.50 SEC)

LOOP PRESSURE(PE-3) 7.98 MPA
 FCV TEMPERATURE(TE-FCV-1T) 523.4 K
 LHP INLET ENTHALPY 1.087E+06 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 443.87 K
 MASS FLUX 23.58 KG/SEC-M**2
 INLET QUALITY .178
 INLET ENTHALPY 1.087E+06 J/KG
 QUENCH FRONT:
 ELEVATION .320 M
 VELOCITY .0020 M/SEC
 QUALITY .228
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.912	738.8	.384	.292

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	454.9	.180	2.47E+04	
.051	454.9	.185	2.51E+04	
.063	453.0	.187	2.48E+04	
.089	461.5	.190	2.54E+04	
.114	456.0	.194	2.55E+04	
.140	451.9	.197	2.49E+04	
.165	453.7	.200	5.1E+04	
.317	640.4	.228	4.33E+04	
.394	794.0	.244	3.91E+04	
.470	831.3	.260	3.80E+04	
.546	865.1	.275	3.67E+04	
.622	889.2	.289	3.43E+04	
.698	916.7	.303	3.36E+04	
.775	937.2	.316	3.30E+04	
.851	955.7	.330	3.29E+04	
.927	963.9	.343	3.14E+04	
1.003	962.8	.355	2.97E+04	
1.067	893.2	.364	2.51E+04	1.40E+03
1.156	930.9	.376	2.57E+04	5.91E+02
1.232	905.3	.386	2.56E+04	
1.257	919.0	.390	2.77E+04	
1.321	922.4	.399	2.72E+04	
1.384	982.5	.409	2.88E+04	
1.460	999.2	.420	2.90E+04	
1.511	997.5	.428	2.71E+04	
1.562	980.5	.435	2.90E+04	
1.613	1001.3	.443	2.92E+04	
1.689	1021.5	.455	2.92E+04	
1.765	1028.5	.466	2.84E+04	
1.816	1019.5	.474	2.64E+04	
1.867	988.0	.481	2.75E+04	
1.918	976.4	.488	2.65E+04	
1.994	987.1	.499	2.55E+04	
2.070	888.3	.525	1.05E+04	

INEL POST-CHF EXPERIMENT NO. 101

POINT SERIAL NO. 2101.020 (TIME= 194.50 SEC)

LOOP PRESSURE(PE-3) 7.98 MPA
 FCV TEMPERATURE(TE-FCV-1T) 523.8 K
 LHP INLET ENTHALPY 1.089E+06 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 443.87 K
 MASS FLUX 23.58 KG/SEC-M**2
 INLET QUALITY .179
 INLET ENTHALPY 1.089E+06 J/KG
 QUENCH FRONT:
 ELEVATION .320 M
 VELOCITY .0020 M/SEC
 QUALITY .229
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE XA
1.537	1.217	809.3	.427 .307

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		HEAT FLUX W/M**2	HEAT LOSS W/M**2
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2		
.013	454.9	.181	2.50E+04		
.051	455.1	.186	2.51E+04		
.063	453.1	.188	2.49E+04		
.089	461.6	.191	2.54E+04		
.114	456.2	.194	2.54E+04		
.140	452.0	.198	2.49E+04		
.165	454.0	.201	2.52E+04		
.317	635.1	.228	4.14E+04		
.394	794.5	.245	4.30E+04		
.470	832.5	.261	3.62E+04		
.546	866.3	.276	3.54E+04		
.622	891.0	.290	3.38E+04		
.698	918.1	.303	3.30E+04		
.775	937.5	.316	3.24E+04		
.851	955.9	.329	3.23E+04		
.927	964.0	.342	3.15E+04		
1.003	962.6	.354	2.95E+04		
1.067	892.8	.363	2.50E+04	1.54E+03	
1.156	930.9	.375	2.56E+04	5.00E+02	
1.232	905.3	.386	2.54E+04		
1.257	918.9	.389	2.73E+04		
1.321	922.6	.398	2.70E+04		
1.384	983.0	.408	2.85E+04		
1.460	1000.1	.419	2.87E+04		
1.511	998.4	.427	2.71E+04		
1.562	981.2	.434	2.86E+04		
1.613	1002.1	.442	2.86E+04		
1.689	1022.1	.453	2.84E+04		
1.765	1029.2	.464	2.78E+04		
1.816	1020.1	.472	2.59E+04		
1.867	988.3	.479	2.72E+04		
1.918	976.7	.486	2.61E+04		
1.994	987.2	.496	2.53E+04		
2.070	857.6	.518	8.37E+04		

INEL POST-CHF EXPERIMENT NO. 101

POINT SERIAL NO. 3101.020 (TIME= 195.50 SEC)

LOOP PRESSURE(PE-3) 7.96 MPA
 FCV TEMPERATURE(TE-FCV-1T) 523.8 K
 LHP INLET ENTHALPY 1.089E+06 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 443.86 K
 MASS FLUX 23.61 KG/SEC-M**2
 INLET QUALITY .179
 INLET ENTHALPY 1.089E+06 J/KG
 QUENCH FRONT:
 ELEVATION .322 M
 VELOCITY .0020 M/SEC
 QUALITY .229
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE XA
1.841	1.519	847.0	.471 .329

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		HEAT FLUX W/M**2	HEAT LOSS W/M**2
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2		
.013	454.8	.181	2.50E+04		
.051	455.0	.186	2.51E+04		
.063	453.0	.188	2.49E+04		
.089	461.5	.191	2.54E+04		
.114	456.1	.194	2.54E+04		
.140	451.9	.198	2.49E+04		
.165	453.9	.201	2.52E+04		
.317	617.8	.228	4.11E+04		
.394	793.2	.245	4.34E+04		
.470	831.2	.261	3.61E+04		
.546	865.1	.276	3.54E+04		
.622	890.0	.289	3.38E+04		
.698	917.3	.303	3.29E+04		
.775	936.7	.316	3.23E+04		
.851	955.1	.329	3.22E+04		
.927	963.3	.342	3.14E+04		
1.003	962.1	.354	2.94E+04		
1.067	892.6	.363	2.49E+04		1.61E+03
1.156	930.7	.375	2.55E+04		5.36E+02
1.232	905.1	.385	2.54E+04		
1.257	918.7	.389	2.72E+04		
1.321	922.4	.398	2.69E+04		
1.384	982.6	.407	2.83E+04		
1.460	999.7	.418	2.85E+04		
1.511	998.0	.426	2.69E+04		
1.562	980.8	.433	2.84E+04		
1.613	1001.7	.441	2.84E+04		
1.689	1021.7	.452	2.83E+04		
1.765	1028.9	.463	2.77E+04		
1.816	1019.9	.471	2.58E+04		
1.867	988.1	.478	2.71E+04		
1.918	976.6	.485	2.59E+04		
1.994	987.2	.495	2.52E+04		
2.070	850.7	.517	8.41E+04		

INEL POST-CHF EXPERIMENT NO. 101

POINT SERIAL NO. 1101.031 (TIME= 229.50 SEC)
 (INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 7.95 MPA
 FCV TEMPERATURE(TE-FCV-1T) 524.2 K
 LHP INLET ENTHALPY 1.091E+06 J/KG
 TEST SECTION:
 PRESSURE .80 MPA
 SAT TEMP 443.81 K
 MASS FLUX 22.93 KG/SEC-M***2
 INLET QUALITY .180
 INLET ENTHALPY 1.091E+06 J/KG
 QUENCH FRONT:
 ELEVATION .390 M
 VELOCITY .0020 M/SEC
 QUALITY .241
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
(INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.342	702.0	.385	.302

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	452.5	.182	2.47E+04	
.051	452.4	.187	2.47E+04	
.063	450.9	.189	2.47E+04	
.089	457.7	.192	2.49E+04	
.114	452.4	.196	2.49E+04	
.140	450.1	.199	2.46E+04	
.165	451.5	.203	2.46E+04	
.317	463.1	.225	3.02E+04	
.394	632.8	.242	5.05E+04	
.470	789.9	.260	3.83E+04	
.546	826.9	.275	3.37E+04	
.622	858.1	.289	3.28E+04	
.698	887.4	.302	3.23E+04	
.775	909.1	.316	3.22E+04	
.851	928.1	.329	3.19E+04	
.927	940.7	.342	3.09E+04	
1.003	945.0	.354	2.98E+04	
1.067	884.2	.364	2.54E+04	1.87E+03
1.156	924.0	.376	2.62E+04	5.29E+02
1.232	896.8	.387	2.60E+04	
1.257	910.8	.391	2.69E+04	
1.321	916.0	.400	2.66E+04	
1.384	972.2	.409	2.71E+04	
1.460	988.8	.421	2.70E+04	
1.511	987.5	.428	2.53E+04	
1.562	970.0	.435	2.72E+04	
1.613	991.0	.442	2.69E+04	
1.689	1012.3	.454	2.65E+04	
1.765	1021.3	.464	2.61E+04	
1.816	1013.4	.471	2.41E+04	
1.867	981.4	.478	2.63E+04	
1.918	974.3	.485	2.51E+04	
1.994	912.8	.506	7.58E+04	
2.070	599.7	.539	8.43E+04	

INEL POST-CHF EXPERIMENT NO. 101

POINT SERIAL NO. 2101.030 (TIME= 229.50 SEC)
 LOOP PRESSURE(PE-3) 7.95 MPA
 FCV TEMPERATURE(TE-FCV-1T) 524.6 K
 LHP INLET ENTHALPY 1.093E+06 J/KG
 TEST SECTION:
 PRESSURE .80 MPA
 SAT TEMP 443.81 K
 MASS FLUX 22.93 KG/SEC-M***2
 INLET QUALITY .181
 INLET ENTHALPY 1.093E+06 J/KG
 QUENCH FRONT:
 ELEVATION .390 M
 VELOCITY .0020 M/SEC
 QUALITY .242
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	1.147	800.7	.430	.312

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	452.4	.183	2.48E+04	
.051	452.3	.188	2.47E+04	
.063	450.9	.190	2.46E+04	
.089	457.6	.193	2.50E+04	
.114	452.3	.196	2.49E+04	
.140	450.1	.200	2.46E+04	
.165	451.5	.203	2.46E+04	
.317	460.1	.225	2.83E+04	
.394	635.9	.243	5.81E+04	
.470	789.7	.262	3.34E+04	
.546	827.3	.276	3.34E+04	
.622	858.6	.290	3.31E+04	
.698	888.0	.303	3.30E+04	
.775	909.4	.317	3.24E+04	
.851	928.0	.330	3.17E+04	
.927	940.6	.343	3.08E+04	
1.003	945.0	.356	3.00E+04	
1.067	884.5	.365	2.55E+04	2.06E+03
1.156	924.4	.378	2.63E+04	7.08E+02
1.232	897.3	.388	2.62E+04	
1.257	910.9	.392	2.74E+04	
1.321	916.2	.402	2.69E+04	
1.384	972.4	.411	2.75E+04	
1.460	989.1	.422	2.75E+04	
1.511	987.6	.430	2.59E+04	
1.562	970.2	.437	2.75E+04	
1.613	991.1	.445	2.72E+04	
1.689	1012.4	.456	2.67E+04	
1.765	1021.4	.467	2.65E+04	
1.816	1013.6	.474	2.45E+04	
1.867	981.5	.481	2.63E+04	
1.918	974.4	.488	2.53E+04	
1.994	958.2	.511	8.56E+04	
2.070	572.6	.539	5.00E+04	

INEL POST-CHF EXPERIMENT NO. 101

POINT SERIAL NO. 3101.030 (TIME= 229.50 SEC)

LOOP PRESSURE(PE-3) 7.95 MPA
 FCV TEMPERATURE(IE-FCV-1T) 524.2 K
 LHP INLET ENTHALPY 1.091E+06 J/KG
 TEST SECTION:
 PRESSURE .80 MPA
 SAT TEMP 443.81 K
 MASS FLUX 22.93 KG/SEC-M**2
 INLET QUALITY .180
 INLET ENTHALPY 1.091E+06 J/KG
 QUENCH FRONT:
 ELEVATION .390 M
 VELOCITY .0020 M/SEC
 QUALITY .241
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.452	855.1	.471	.328

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	452.5	.182	2.47E+04	
.051	452.4	.187	2.47E+04	
.063	450.9	.189	2.47E+04	
.089	457.7	.192	2.49E+04	
.114	452.4	.196	2.49E+04	
.140	450.1	.199	2.46E+04	
.165	451.5	.203	2.46E+04	
.317	463.1	.225	3.02E+04	
.394	632.8	.242	5.05E+04	
.470	789.9	.260	3.83E+04	
.546	826.9	.275	3.37E+04	
.622	858.1	.289	3.28E+04	
.698	887.4	.302	3.23E+04	
.775	909.1	.316	3.22E+04	
.851	928.1	.329	3.19E+04	
.927	940.7	.342	3.09E+04	
1.003	945.0	.354	2.98E+04	
1.067	884.2	.364	2.54E+04	1.87E+03
1.156	924.0	.376	2.62E+04	5.29E+02
1.232	896.8	.387	2.60E+04	
1.257	910.8	.391	2.69E+04	
1.321	916.0	.400	2.66E+04	
1.384	972.2	.409	2.71E+04	
1.460	988.8	.421	2.70E+04	
1.511	987.5	.428	2.53E+04	
1.562	970.0	.435	2.72E+04	
1.613	991.0	.442	2.69E+04	
1.689	1012.3	.454	2.65E+04	
1.765	1021.3	.464	2.61E+04	
1.816	1013.4	.471	2.41E+04	
1.867	981.4	.478	2.63E+04	
1.918	974.3	.485	2.51E+04	
1.994	912.8	.506	7.58E+04	
2.070	599.7	.539	8.43E+04	

INEL POST-CHF EXPERIMENT NO. 101

POINT SERIAL NO. 1101.041 (TIME= 279.50 SEC)
(INFERRED VAPOR TEMP)

LOOP PRESSURE(PE-3) 7.96 MPA
 FCV TEMPERATURE(IE-FCV-1T) 523.8 K
 LHP INLET ENTHALPY 1.089E+06 J/KG
 TEST SECTION:
 PRESSURE .80 MPA
 SAT TEMP 443.81 K
 MASS FLUX 22.68 KG/SEC-M**2
 INLET QUALITY .179
 INLET ENTHALPY 1.089E+06 J/KG
 QUENCH FRONT:
 ELEVATION .478 M
 VELOCITY .0016 M/SEC
 QUALITY .252
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.754	679.0	.375	.300

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	451.0	.181	2.46E+04	
.051	450.6	.186	2.46E+04	
.063	449.4	.188	2.46E+04	
.089	454.8	.191	2.47E+04	
.114	449.8	.195	2.47E+04	
.140	449.0	.198	2.46E+04	
.165	450.2	.202	2.46E+04	
.317	450.7	.223	2.52E+04	
.394	460.2	.234	2.75E+04	
.470	601.6	.250	5.20E+04	
.546	786.8	.269	3.63E+04	
.622	822.4	.283	2.94E+04	
.698	851.8	.295	2.95E+04	
.775	874.7	.307	3.00E+04	
.851	896.3	.320	2.98E+04	
.927	911.9	.332	2.99E+04	
1.003	921.0	.345	2.89E+04	
1.067	870.0	.354	2.55E+04	1.67E+03
1.156	911.0	.367	2.66E+04	6.41E+02
1.232	880.8	.378	2.63E+04	
1.257	897.3	.382	2.80E+04	
1.321	906.4	.391	2.70E+04	
1.384	960.7	.401	2.73E+04	
1.460	977.6	.412	2.72E+04	
1.511	976.5	.420	2.56E+04	
1.562	957.8	.427	2.74E+04	
1.613	980.6	.435	2.72E+04	
1.689	1004.1	.446	2.70E+04	
1.765	1015.8	.457	2.64E+04	
1.816	1010.1	.464	2.45E+04	
1.867	976.6	.471	2.66E+04	
1.918	794.0	.488	9.08E+04	
1.994	583.4	.517	5.09E+04	
2.070	501.6	.534	3.01E+04	

INEL POST-CHF EXPERIMENT NO. 101

POINT SERIAL NO. 2101.040 (TIME= 279.50 SEC)

LOOP PRESSURE(PE-3) 7.96 MPA
 FCV TEMPERATURE(TE-FCV-1T) 523.6 K
 LHP INLET ENTHALPY 1.088E+06 J/KG
 TEST SECTION:
 PRESSURE .80 MPA
 SAT TEMP 443.81 K
 MASS FLUX 22.68 KG/SEC-M**2
 INLET QUALITY .179
 INLET ENTHALPY 1.088E+06 J/KG
 QUENCH FRONT:
 ELEVATION .478 M
 VELOCITY .0016 M/SEC
 QUALITY .252
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.537 1.059 790.7 .422 .308

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013	450.9	.181	2.45E+04	
.051	450.5	.186	2.46E+04	
.063	449.3	.188	2.46E+04	
.089	454.7	.191	2.47E+04	
.114	449.8	.194	2.46E+04	
.140	448.9	.198	2.45E+04	
.165	450.2	.201	2.46E+04	
.317	450.6	.222	2.50E+04	
.394	459.6	.233	2.63E+04	
.470	595.1	.250	5.67E+04	
.546	787.5	.269	3.21E+04	
.622	822.8	.282	3.07E+04	
.698	852.0	.295	3.07E+04	
.775	875.0	.308	3.08E+04	
.851	896.4	.320	3.02E+04	
.927	912.3	.333	3.05E+04	
1.003	921.1	.346	2.95E+04	
1.067	870.1	.355	2.58E+04	1.45E+03
1.156	911.2	.368	2.68E+04	6.84E+02
1.232	880.6	.379	2.63E+04	
1.257	897.7	.383	2.86E+04	
1.321	906.7	.393	2.73E+04	
1.384	961.4	.403	2.80E+04	
1.460	978.3	.414	2.75E+04	
1.511	977.2	.422	2.61E+04	
1.562	958.4	.429	2.75E+04	
1.613	981.2	.437	2.74E+04	
1.689	1004.9	.448	2.71E+04	
1.765	1016.6	.459	2.64E+04	
1.816	1011.1	.466	2.47E+04	
1.867	977.5	.473	2.61E+04	
1.918	821.7	.494	1.20E+05	
1.994	577.0	.528	4.22E+04	
2.070	500.4	.543	2.98E+04	

INEL POST-CHF EXPERIMENT NO. 101

POINT SERIAL NO. 3101.040 (TIME= 280.50 SEC)

LOOP PRESSURE(PE-3) 7.96 MPA
 FCV TEMPERATURE(TE-FCV-1T) 523.8 K
 LHP INLET ENTHALPY 1.089E+06 J/KG
 TEST SECTION:
 PRESSURE .80 MPA
 SAT TEMP 443.82 K
 MASS FLUX 22.63 KG/SEC-M**2
 INLET QUALITY .179
 INLET ENTHALPY 1.089E+06 J/KG
 QUENCH FRONT:
 ELEVATION .479 M
 VELOCITY .0016 M/SEC
 QUALITY .253
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.841 1.362 851.2 .464 .324

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013	451.0	.181	2.46E+04	
.051	450.5	.186	2.46E+04	
.063	449.3	.188	2.46E+04	
.089	454.7	.192	2.47E+04	
.114	449.8	.195	2.47E+04	
.140	448.9	.198	2.46E+04	
.165	450.2	.202	2.46E+04	
.317	450.6	.223	2.51E+04	
.394	459.9	.234	2.69E+04	
.470	613.3	.250	5.17E+04	
.546	786.2	.269	3.67E+04	
.622	821.9	.283	2.93E+04	
.698	851.3	.295	2.94E+04	
.775	874.2	.307	2.97E+04	
.851	895.8	.320	2.96E+04	
.927	911.4	.332	2.98E+04	
1.003	920.6	.344	2.87E+04	
1.067	869.7	.354	2.54E+04	1.71E+03
1.156	910.8	.367	2.65E+04	6.72E+02
1.232	880.5	.378	2.63E+04	
1.257	897.0	.381	2.78E+04	
1.321	906.2	.391	2.69E+04	
1.384	960.5	.400	2.72E+04	
1.460	977.4	.412	2.70E+04	
1.511	976.3	.419	2.55E+04	
1.562	957.6	.427	2.74E+04	
1.613	980.4	.434	2.72E+04	
1.689	1003.9	.446	2.69E+04	
1.765	1015.6	.457	2.62E+04	
1.816	1010.0	.464	2.43E+04	
1.867	976.4	.471	2.70E+04	
1.918	897.7	.487	9.13E+04	
1.994	580.3	.517	4.80E+04	
2.070	500.9	.533	3.00E+04	

INEL POST-CHF EXPERIMENT NO. 101

POINT SERIAL NO. 1101.050 (TIME= 329.50 SEC)

LOOP PRESSURE{PE-3} 7.94 MPA
 FCV TEMPERATURE{TE-FCV-1T} 523.8 K
 LHP INLET ENTHALPY 1.089E+06 J/KG
 TEST SECTION:
 PRESSURE .80 MPA
 SAT TEMP 443.79 K
 MASS FLUX 22.38 KG/SEC-M**2
 INLET QUALITY .179
 INLET ENTHALPY 1.089E+06 J/KG
 QUENCH FRONT:
 ELEVATION .556 M
 VELOCITY .0015 M/SEC
 QUALITY .264
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.676	665.0	.373	.302

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	450.2	.181	2.47E+04	
.051	449.6	.186	2.47E+04	
.063	448.6	.188	2.47E+04	
.089	453.2	.192	2.48E+04	
.114	448.5	.195	2.48E+04	
.140	448.3	.199	2.47E+04	
.165	449.4	.202	2.47E+04	
.317	448.6	.223	2.47E+04	
.394	452.4	.234	2.52E+04	
.470	469.7	.245	2.74E+04	
.546	611.7	.261	5.12E+04	
.622	792.4	.280	3.55E+04	
.698	825.4	.294	2.99E+04	
.775	849.8	.306	2.93E+04	
.851	874.1	.318	2.86E+04	
.927	888.3	.331	2.86E+04	
1.003	901.4	.343	2.84E+04	
1.067	858.0	.352	2.53E+04	1.70E+03
1.156	898.0	.365	2.64E+04	8.52E+02
1.232	869.5	.376	2.55E+04	
1.257	884.6	.380	2.73E+04	
1.321	896.7	.389	2.70E+04	
1.384	949.3	.399	2.71E+04	
1.460	966.9	.410	2.70E+04	
1.511	965.6	.418	2.55E+04	
1.562	948.1	.425	2.67E+04	
1.613	971.1	.433	2.68E+04	
1.689	995.4	.444	2.67E+04	
1.765	1008.0	.455	2.68E+04	
1.816	926.4	.472	9.36E+04	
1.867	718.0	.498	8.87E+04	
1.918	481.4	.515	3.03E+04	
1.994	510.5	.528	3.06E+04	
2.070	477.6	.540	2.69E+04	

INEL POST-CHF EXPERIMENT NO. 101

POINT SERIAL NO. 2101.050 (TIME= 329.50 SEC)

LOOP PRESSURE{PE-3} 7.94 MPA
 FCV TEMPERATURE{TE-FCV-1T} 523.8 K
 LHP INLET ENTHALPY 1.089E+06 J/KG
 TEST SECTION:
 PRESSURE .80 MPA
 SAT TEMP 443.79 K
 MASS FLUX 22.38 KG/SEC-M**2
 INLET QUALITY .179
 INLET ENTHALPY 1.089E+06 J/KG
 QUENCH FRONT:
 ELEVATION .556 M
 VELOCITY .0015 M/SEC
 QUALITY .264
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.981	776.7	.418	.309

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	450.2	.181	2.47E+04	
.051	449.6	.186	2.47E+04	
.063	448.6	.188	2.47E+04	
.089	453.2	.192	2.48E+04	
.114	448.5	.195	2.48E+04	
.140	448.3	.199	2.47E+04	
.165	449.4	.202	2.47E+04	
.317	448.6	.223	2.47E+04	
.394	452.4	.234	2.52E+04	
.470	469.7	.245	2.74E+04	
.546	611.7	.261	5.12E+04	
.622	792.4	.280	3.55E+04	
.698	825.4	.294	2.99E+04	
.775	849.8	.306	2.93E+04	
.851	874.1	.318	2.86E+04	
.927	888.3	.331	2.86E+04	
1.003	901.4	.343	2.84E+04	
1.067	858.0	.352	2.53E+04	1.70E+03
1.156	898.0	.365	2.64E+04	8.52E+02
1.232	869.5	.376	2.55E+04	
1.257	884.6	.380	2.73E+04	
1.321	896.7	.389	2.70E+04	
1.384	949.3	.399	2.71E+04	
1.460	966.9	.410	2.70E+04	
1.511	965.6	.418	2.55E+04	
1.562	948.1	.425	2.67E+04	
1.613	971.1	.433	2.68E+04	
1.689	995.4	.444	2.67E+04	
1.765	1008.0	.455	2.68E+04	
1.816	926.4	.472	9.36E+04	
1.867	718.0	.498	8.87E+04	
1.918	481.4	.515	3.03E+04	
1.994	510.5	.528	3.06E+04	
2.070	477.6	.540	2.69E+04	

H-143

INEL POST-CHF EXPERIMENT NO. 101

POINT SERIAL NO. 3101.050 (TIME= 323.50 SEC)

LOOP PRESSURE(PE-3) 7.96 MPA
 FCV TEMPERATURE(TE-FCV-1T) 523.9 K
 LHP INLET ENTHALPY 1.089E+06 J/KG
 TEST SECTION:
 PRESSURE .80 MPA
 SAT TEMP 443.78 K
 MASS FLUX 22.42 KG/SEC-M**2
 INLET QUALITY .180
 INLET ENTHALPY 1.089E+06 J/KG
 QUENCH FRONT:
 ELEVATION .546 M
 VELOCITY .0015 M/SEC
 QUALITY .263
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF IV XE XA
 (M) (M) (K)
 1.841 1.295 848.9 .469 .328

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013	449.7	.181	2.58E+04	
.051	449.6	.187	2.48E+04	
.063	448.5	.189	2.47E+04	
.089	453.1	.192	2.50E+04	
.114	448.6	.196	2.48E+04	
.140	448.3	.199	2.46E+04	
.165	449.4	.203	2.47E+04	
.317	449.0	.223	2.48E+04	
.394	452.8	.234	2.55E+04	
.470	470.3	.245	2.77E+04	
.546	668.0	.263	5.66E+04	
.622	796.7	.282	3.23E+04	
.698	829.9	.295	3.10E+04	
.775	854.3	.309	3.13E+04	
.851	877.6	.322	3.05E+04	
.927	891.3	.335	3.09E+04	
1.003	904.3	.348	3.08E+04	
1.067	859.7	.358	2.63E+04	1.07E+03
1.156	899.7	.371	2.72E+04	6.09E+02
1.232	871.3	.382	2.55E+04	
1.257	886.8	.386	2.76E+04	
1.321	898.7	.396	2.73E+04	
1.384	951.6	.405	2.75E+04	
1.460	968.8	.417	2.72E+04	
1.511	967.6	.424	2.56E+04	
1.562	949.8	.432	2.72E+04	
1.613	972.8	.439	2.70E+04	
1.689	996.9	.451	2.65E+04	
1.765	1009.7	.462	2.67E+04	
1.816	1004.4	.469	2.57E+04	
1.867	750.6	.495	1.56E+05	
1.918	481.9	.521	2.98E+04	
1.994	513.3	.534	3.08E+04	
2.070	478.9	.546	2.70E+04	

INEL POST-CHF EXPERIMENT NO. 101

POINT SERIAL NO. 1101.061 (TIME= 372.50 SEC)

{INFERRED VAPOR TEMP}
 LOOP PRESSURE(PE-3) 7.95 MPA
 FCV TEMPERATURE(TE-FCV-1T) 524.1 K
 LHP INLET ENTHALPY 1.091E+06 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 443.83 K
 MASS FLUX 22.70 KG/SEC-M**2
 INLET QUALITY .180
 INLET ENTHALPY 1.091E+06 J/KG
 QUENCH FRONT:
 ELEVATION .618 M
 VELOCITY .0014 M/SEC
 QUALITY .275
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 {INFERRED VAPOR TEMP}
 ELEVATION DZQF IV XE XA
 (M) (M) (K)
 1.232 .614 630.0 .373 .311

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013	450.1	.182	2.48E+04	
.051	449.1	.187	2.48E+04	
.063	448.0	.189	2.48E+04	
.089	452.2	.193	2.48E+04	
.114	447.8	.196	2.48E+04	
.140	447.9	.200	2.48E+04	
.165	448.9	.203	2.48E+04	
.317	447.8	.224	2.49E+04	
.394	450.0	.235	2.52E+04	
.470	460.0	.246	2.59E+04	
.546	474.2	.258	3.07E+04	
.622	656.3	.276	5.16E+04	
.698	800.8	.293	3.00E+04	
.775	827.4	.306	2.94E+04	
.851	855.2	.318	2.89E+04	
.927	872.9	.330	2.81E+04	
1.003	885.7	.342	2.75E+04	
1.067	847.0	.352	2.52E+04	
1.156	836.4	.365	2.61E+04	1.89E+03
1.232	859.9	.376	2.59E+04	1.18E+03
1.257	874.4	.380	2.73E+04	
1.321	888.2	.389	2.70E+04	
1.384	939.5	.399	2.74E+04	
1.460	957.3	.411	2.74E+04	
1.511	956.1	.419	2.57E+04	
1.562	940.6	.426	2.71E+04	
1.613	963.2	.434	2.71E+04	
1.689	987.7	.446	2.72E+04	
1.765	802.6	.472	9.70E+04	
1.816	550.9	.500	9.69E+04	
1.867	504.0	.519	3.71E+04	
1.918	465.1	.528	2.62E+04	
1.994	486.5	.540	2.77E+04	
2.070	467.7	.551	2.61E+04	

INEL POST-CHF EXPERIMENT NO. 101

POINT SERIAL NO. 2101.060 (TIME= 372.50 SEC)

LOOP PRESSURE(PE-3) 7.95 MPA
 FCV TEMPERATURE(TE-FCV-1T) 524.1 K
 LHP INLET ENTHALPY 1.091E+06 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 443.83 K
 MASS FLUX 22.10 KG/SEC-M**2
 INLET QUALITY .180
 INLET ENTHALPY 1.091E+06 J/KG
 QUENCH FRONT:
 ELEVATION .618 M
 VELOCITY .0014 M/SEC
 QUALITY .275
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.918	746.5	.419	.317

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	450.1	.182	2.48E+04	
.051	449.1	.187	2.48E+04	
.063	448.0	.189	2.48E+04	
.089	452.2	.193	2.48E+04	
.114	447.8	.196	2.48E+04	
.140	447.9	.200	2.48E+04	
.165	448.9	.203	2.48E+04	
.317	447.8	.224	2.49E+04	
.394	450.0	.235	2.52E+04	
.470	460.0	.246	2.59E+04	
.546	474.2	.258	3.07E+04	
.622	656.3	.276	5.10E+04	
.698	800.8	.293	3.00E+04	
.775	827.4	.306	2.94E+04	
.851	855.2	.318	2.89E+04	
.927	872.9	.330	2.81E+04	
1.003	885.7	.342	2.79E+04	
1.067	847.0	.352	2.52E+04	1.89E+03
1.156	886.4	.365	2.61E+04	1.18E+03
1.232	859.9	.376	2.59E+04	
1.257	874.4	.380	2.73E+04	
1.321	888.2	.389	2.70E+04	
1.384	939.5	.399	2.74E+04	
1.460	957.3	.411	2.74E+04	
1.511	956.1	.419	2.57E+04	
1.562	940.6	.426	2.71E+04	
1.613	963.2	.434	2.71E+04	
1.689	987.7	.446	2.72E+04	
1.765	802.6	.472	9.70E+04	
1.816	550.9	.500	9.69E+04	
1.867	504.0	.519	3.71E+04	
1.918	465.1	.528	2.62E+04	
1.994	486.5	.540	2.77E+04	
2.070	467.7	.551	2.61E+04	

INEL POST-CHF EXPERIMENT NO. 101

POINT SERIAL NO. 2101.070 (TIME= 440.50 SEC)

LOOP PRESSURE(PE-3) 7.97 MPA
 FCV TEMPERATURE(TE-FCV-1T) 523.9 K
 LHP INLET ENTHALPY 1.089E+06 J/KG
 TEST SECTION:
 PRESSURE .80 MPA
 SAT TEMP 443.78 K
 MASS FLUX 22.05 KG/SEC-M**2
 INLET QUALITY .180
 INLET ENTHALPY 1.089E+06 J/KG
 QUENCH FRONT:
 ELEVATION .706 M
 VELOCITY .0012 M/SEC
 QUALITY .284
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.831	709.9	.413	.322

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	449.8	.181	2.49E+04	
.051	448.6	.187	2.50E+04	
.063	447.6	.189	2.49E+04	
.089	451.3	.192	2.50E+04	
.114	447.3	.196	2.49E+04	
.140	447.7	.199	2.49E+04	
.165	448.4	.203	2.50E+04	
.317	447.1	.224	2.49E+04	
.394	448.4	.235	2.51E+04	
.470	454.3	.246	2.53E+04	
.546	457.5	.257	2.58E+04	
.622	453.3	.268	2.61E+04	
.698	562.7	.282	3.96E+04	
.775	801.5	.298	3.21E+04	
.851	831.1	.311	2.96E+04	
.927	852.3	.323	2.90E+04	
1.003	868.8	.336	2.89E+04	
1.067	836.0	.346	2.59E+04	
1.156	874.5	.359	2.64E+04	
1.232	846.4	.370	2.62E+04	
1.257	861.7	.374	2.84E+04	
1.321	876.5	.384	2.75E+04	
1.384	927.6	.394	2.74E+04	
1.460	947.7	.406	2.75E+04	
1.511	946.9	.413	2.58E+04	
1.562	931.9	.421	2.82E+04	
1.613	810.4	.438	9.17E+04	
1.689	534.4	.479	9.52E+04	
1.765	465.4	.505	2.76E+04	
1.816	453.1	.512	2.42E+04	
1.867	466.0	.520	2.65E+04	
1.918	456.9	.527	2.55E+04	
1.994	468.6	.538	2.62E+04	
2.070	459.4	.549	2.55E+04	

INEL POST-CHF EXPERIMENT NO. 101

POINT SERIAL NO. 2101.080 (TIME= 476.50 SEC)

LOOP PRESSURE(PE-3) 7.97 MPA
 FCV TEMPERATURE(TE-FCV-1T) 523.7 K
 LHP INLET ENTHALPY 1.089E+06 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 443.86 K
 MASS FLUX 21.90 KG/SEC-M**2
 INLET QUALITY .179
 INLET ENTHALPY 1.089E+06 J/KG
 QUENCH FRONT:
 ELEVATION .751 M
 VELOCITY .0014 M/SEC
 QUALITY .292
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE XA
1.537	.786	705.3	.416 .325

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		HEAT FLUX W/M**2	HEAT LOSS W/M**2
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2		
.013	450.1	.181	2.51E+04		
.051	448.6	.186	2.51E+04		
.063	447.7	.188	2.50E+04		
.089	451.1	.192	2.51E+04		
.114	447.4	.195	2.49E+04		
.140	447.7	.199	2.50E+04		
.165	448.3	.203	2.50E+04		
.317	446.9	.211	2.51E+04		
.394	447.9	.220	2.55E+04		
.470	453.0	.226	2.56E+04		
.546	454.1	.258	2.58E+04		
.622	448.6	.269	2.57E+04		
.698	474.3	.281	2.88E+04		
.775	773.3	.298	4.97E+04		
.851	817.2	.314	2.72E+04		
.927	842.0	.326	2.65E+04		
1.003	858.5	.338	2.72E+04		
1.067	828.8	.347	2.51E+04	1.49E+03	
1.156	866.7	.360	2.66E+04	3.66E+02	
1.232	836.2	.372	2.76E+04		
1.257	849.6	.376	2.86E+04		
1.321	868.9	.386	2.78E+04		
1.384	920.2	.396	2.79E+04		
1.460	941.4	.408	2.72E+04		
.511	940.6	.416	2.61E+04		
1.562	633.0	.457	2.62E+05		
1.613	468.5	.499	2.94E+04		
1.689	465.4	.512	2.70E+04		
1.765	456.8	.523	2.61E+04		
1.816	450.1	.530	2.38E+04		
1.867	460.3	.538	2.59E+04		
1.918	455.0	.545	2.52E+04		
1.994	463.5	.556	2.59E+04		
2.070	456.8	.567	2.54E+04		

INEL POST-CHF EXPERIMENT NO. 102

POINT SERIAL NO. 1102.020 (TIME= 167.50 SEC)

LOOP PRESSURE(PE-3) 7.95 MPA
 FCV TEMPERATURE(TE-FCV-1T) 525.0 K
 LHP INLET ENTHALPY 1.095E+06 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 444.18 K
 MASS FLUX 40.20 KG/SEC-M**2
 INLET QUALITY .182
 INLET ENTHALPY 1.095E+06 J/KG
 QUENCH FRONT:
 ELEVATION .318 M
 VELOCITY .0032 M/SEC
 QUALITY .232
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE XA
1.232	.914	737.2	.375 .286

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		HEAT FLUX W/M**2	HEAT LOSS W/M**2
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2		
.013	448.1	.183	4.31E+04		
.051	460.0	.188	4.36E+04		
.063	456.9	.190	4.30E+04		
.089	467.6	.193	4.38E+04		
.114	461.8	.197	4.39E+04		
.140	457.2	.200	4.34E+04		
.165	460.5	.204	4.87E+04		
.317	661.0	.232	7.00E+04		
.394	839.7	.249	7.74E+04		
.470	907.4	.265	5.51E+04		
.546	933.1	.278	5.27E+04		
.622	953.2	.290	5.18E+04		
.698	971.5	.302	5.07E+04		
.775	987.8	.314	4.98E+04		
.851	1003.0	.326	4.90E+04		
.927	1010.7	.337	4.77E+04		
1.003	1011.4	.348	4.57E+04		
1.067	938.1	.357	3.89E+04	3.51E+03	
1.156	981.3	.367	4.03E+04	9.73E+02	
1.232	934.3	.377	4.00E+04		
1.257	946.5	.380	4.35E+04		
1.321	957.9	.389	4.32E+04		
1.384	1025.2	.397	4.42E+04		
1.460	1043.9	.408	4.43E+04		
1.511	1035.7	.415	4.16E+04		
1.562	985.5	.421	4.50E+04		
1.613	1010.9	.429	4.51E+04		
1.689	1040.7	.439	4.45E+04		
1.765	1052.3	.450	4.36E+04		
1.816	1040.8	.456	4.07E+04		
1.867	981.5	.463	4.37E+04		
1.918	974.9	.470	4.27E+04		
1.994	989.1	.480	4.12E+04		
2.070	1000.3	.489	4.05E+04		

INEL POST-CHF EXPERIMENT NO. 102

POINT SERIAL NO. 2102.020 (TIME= 167.50 SEC)

LOOP PRESSURE(PE-3) 7.95 MPA
 FCV TEMPERATURE(TE-FCV-11) 525.0 K
 LHP INLET ENTHALPY 1.095E+06 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 444.18 K
 MASS FLUX 40.20 KG/SEC-M**2
 INLET QUALITY .182
 INLET ENTHALPY 1.095E+06 J/KG
 QUENCH FRONT:
 ELEVATION .318 M
 VELOCITY .0032 M/SEC
 QUALITY .232
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	1.218	788.3	.415	.304

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	448.1	.183	4.31E+04	
.051	460.0	.188	4.36E+04	
.063	456.9	.190	4.30E+04	
.089	467.6	.193	4.38E+04	
.114	461.8	.197	4.39E+04	
.140	457.2	.200	4.34E+04	
.165	460.5	.204	4.87E+04	
.317	661.0	.232	7.00E+04	
.394	839.7	.249	7.74E+04	
.470	907.4	.265	5.51E+04	
.546	933.1	.278	5.27E+04	
.622	953.2	.290	5.18E+04	
.698	971.5	.302	5.07E+04	
.775	987.8	.314	4.98E+04	
.851	1003.0	.326	4.90E+04	
.927	1010.7	.337	4.77E+04	
1.003	1011.4	.348	4.57E+04	
1.067	938.1	.357	3.89E+04	3.51E+03
1.156	981.3	.367	4.03E+04	9.73E+02
1.232	934.3	.377	4.00E+04	
1.257	946.5	.380	4.35E+04	
1.321	957.9	.389	4.32E+04	
1.384	1025.2	.397	4.42E+04	
1.460	1043.9	.408	4.43E+04	
1.511	1035.7	.415	4.16E+04	
1.562	985.5	.421	4.50E+04	
1.613	1010.9	.429	4.51E+04	
1.689	1040.7	.439	4.45E+04	
1.765	1052.3	.450	4.36E+04	
1.816	1040.8	.456	4.07E+04	
1.867	981.5	.463	4.37E+04	
1.918	974.9	.470	4.27E+04	
1.994	989.1	.480	4.12E+04	
2.070	1000.3	.489	4.05E+04	

INEL POST-CHF EXPERIMENT NO. 102

POINT SERIAL NO. 3102.020 (TIME= 167.50 SEC)

LOOP PRESSURE(PE-3) 7.95 MPA
 FCV TEMPERATURE(TE-FCV-11) 525.0 K
 LHP INLET ENTHALPY 1.095E+06 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 444.18 K
 MASS FLUX 40.20 KG/SEC-M**2
 INLET QUALITY .182
 INLET ENTHALPY 1.095E+06 J/KG
 QUENCH FRONT:
 ELEVATION .318 M
 VELOCITY .0032 M/SEC
 QUALITY .232
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.523	805.0	.456	.330

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	448.1	.183	4.31E+04	
.051	460.0	.188	4.36E+04	
.063	456.9	.190	4.30E+04	
.089	467.6	.193	4.38E+04	
.114	461.8	.197	4.39E+04	
.140	457.2	.200	4.34E+04	
.165	460.5	.204	4.87E+04	
.317	661.0	.232	7.00E+04	
.394	839.7	.249	7.74E+04	
.470	907.4	.265	5.51E+04	
.546	933.1	.278	5.27E+04	
.622	953.2	.290	5.18E+04	
.698	971.5	.302	5.07E+04	
.775	987.8	.314	4.98E+04	
.851	1003.0	.326	4.90E+04	
.927	1010.7	.337	4.77E+04	
1.003	1011.4	.348	4.57E+04	
1.067	938.1	.357	3.89E+04	3.51E+03
1.156	981.3	.367	4.03E+04	9.73E+02
1.232	934.3	.377	4.00E+04	
1.257	946.5	.380	4.35E+04	
1.321	957.9	.389	4.32E+04	
1.384	1025.2	.397	4.42E+04	
1.460	1043.9	.408	4.43E+04	
1.511	1035.7	.415	4.16E+04	
1.562	985.5	.421	4.50E+04	
1.613	1010.9	.429	4.51E+04	
1.689	1040.7	.439	4.45E+04	
1.765	1052.3	.450	4.36E+04	
1.816	1040.8	.456	4.07E+04	
1.867	981.5	.463	4.37E+04	
1.918	974.9	.470	4.27E+04	
1.994	989.1	.480	4.12E+04	
2.070	1000.3	.489	4.05E+04	

INEL POST-CHF EXPERIMENT NO. 102

POINT SERIAL NO. 1102.030 {TIME= 190.50 SEC}

LOOP PRESSURE(PE-3) 7.95 MPA
 FCV TEMPERATURE(TE-FCV-1T) 525.0 K
 LHP INLET ENTHALPY 1.095E+06 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 444.21 K
 MASS FLUX 39.91 KG/SEC-M**2
 INLET QUALITY .181
 INLET ENTHALPY 1.095E+06 J/KG
 QUENCH FRONT:
 ELEVATION .390 M
 VELOCITY .0030 M/SEC
 QUALITY .243
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.842	718.0	.375	.290

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION			HEAT LOSS W/M**2
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2		
.013	445.8	.183	4.28E+04		
.051	457.1	.188	4.31E+04		
.063	454.9	.190	4.29E+04		
.089	464.0	.193	4.33E+04		
.114	458.0	.197	4.33E+04		
.140	454.8	.200	4.29E+04		
.165	456.6	.203	4.31E+04		
.317	517.0	.227	5.73E+04		
.394	693.5	.244	8.12E+04		
.470	864.2	.261	6.47E+04		
.546	909.1	.275	5.42E+04		
.622	932.5	.288	5.23E+04		
.698	953.7	.300	5.10E+04		
.775	971.9	.312	5.03E+04		
.851	989.0	.324	4.94E+04		
.927	999.3	.336	4.85E+04		
1.003	1004.2	.347	4.72E+04		
1.067	937.1	.356	4.04E+04	3.73E+03	
1.156	982.9	.367	4.19E+04	1.57E+03	
1.232	934.2	.377	4.20E+04		
1.257	944.6	.381	4.54E+04		
1.321	957.3	.390	4.47E+04		
1.384	1022.3	.399	4.52E+04		
1.460	1041.1	.409	4.50E+04		
1.511	1032.8	.416	4.23E+04		
1.562	981.7	.423	4.55E+04		
1.613	1006.7	.430	4.56E+04		
1.689	1037.7	.441	4.50E+04		
1.765	1051.0	.452	4.43E+04		
1.816	1040.3	.459	4.13E+04		
1.867	980.9	.465	4.39E+04		
1.918	976.4	.472	4.34E+04		
1.994	993.8	.482	4.21E+04		
2.070	1006.5	.492	4.15E+04		

INEL POST-CHF EXPERIMENT NO. 102

POINT SERIAL NO. 2102.030 {TIME= 190.50 SEC}

LOOP PRESSURE(PE-3) 7.95 MPA
 FCV TEMPERATURE(TE-FCV-1T) 525.0 K
 LHP INLET ENTHALPY 1.095E+06 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 444.21 K
 MASS FLUX 39.91 KG/SEC-M**2
 INLET QUALITY .181
 INLET ENTHALPY 1.095E+06 J/KG
 QUENCH FRONT:
 ELEVATION .390 M
 VELOCITY .0030 M/SEC
 QUALITY .243
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	1.147	763.3	.416	.311

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION			HEAT LOSS W/M**2
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2		
.013	445.8	.183	4.28E+04		
.051	457.1	.188	4.31E+04		
.063	454.9	.190	4.29E+04		
.089	464.0	.193	4.33E+04		
.114	458.0	.197	4.33E+04		
.140	454.8	.200	4.29E+04		
.165	456.6	.203	4.31E+04		
.317	517.0	.227	5.73E+04		
.394	693.5	.244	8.12E+04		
.470	864.2	.261	6.47E+04		
.546	909.1	.275	5.42E+04		
.622	932.5	.288	5.23E+04		
.698	953.7	.300	5.10E+04		
.775	971.9	.312	5.03E+04		
.851	989.0	.324	4.94E+04		
.927	999.3	.336	4.85E+04		
1.003	1004.2	.347	4.72E+04		
1.067	937.1	.356	4.04E+04	3.73E+03	
1.156	982.9	.367	4.19E+04	1.57E+03	
1.232	934.2	.377	4.20E+04		
1.257	944.6	.381	4.54E+04		
1.321	957.3	.390	4.47E+04		
1.384	1022.3	.399	4.52E+04		
1.460	1041.1	.409	4.50E+04		
1.511	1032.8	.416	4.23E+04		
1.562	981.7	.423	4.55E+04		
1.613	1006.7	.430	4.56E+04		
1.689	1037.7	.441	4.50E+04		
1.765	1051.0	.452	4.43E+04		
1.816	1040.3	.459	4.13E+04		
1.867	980.9	.465	4.39E+04		
1.918	976.4	.472	4.34E+04		
1.994	993.8	.482	4.21E+04		
2.070	1006.5	.492	4.15E+04		

INEL POST-CHF EXPERIMENT NO. 102

POINT SERIAL NO. 3102.030 (TIME= 190.50 SEC)

LOOP PRESSURE{PE-3} 7.95 MPA
 FCV TEMPERATURE{TE-FCV-1T} 525.0 K
 LHP INLET ENTHALPY 1.095E+06 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 444.21 K
 MASS FLUX 39.91 KG/SEC-M**2
 INLET QUALITY .181
 INLET ENTHALPY 1.095E+06 J/KG
 QUENCH FRONT:
 ELEVATION .390 M
 VELOCITY .0030 M/SEC
 QUALITY .243
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.451	801.2	.459	.333

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	445.8	.183	4.28E+04	
.051	457.1	.188	4.31E+04	
.063	454.9	.190	4.29E+04	
.089	464.0	.193	4.33E+04	
.114	458.0	.197	4.33E+04	
.140	454.8	.200	4.29E+04	
.165	456.6	.203	4.31E+04	
.317	517.0	.227	5.73E+04	
.394	693.5	.244	8.12E+04	
.470	864.2	.261	6.47E+04	
.546	909.1	.275	5.42E+04	
.622	932.5	.288	5.23E+04	
.698	953.7	.300	5.10E+04	
.775	971.9	.312	5.03E+04	
.851	989.0	.324	4.94E+04	
.927	999.3	.336	4.85E+04	
1.003	1004.2	.347	4.72E+04	
1.067	937.1	.356	4.04E+04	3.73E+03
1.156	982.9	.367	4.19E+04	1.57E+03
1.232	934.2	.377	4.20E+04	
1.257	944.6	.381	4.54E+04	
1.321	957.3	.390	4.47E+04	
1.384	1022.3	.399	4.52E+04	
1.460	1041.1	.409	4.50E+04	
1.511	1032.8	.416	4.23E+04	
1.562	981.7	.423	4.55E+04	
1.613	1006.7	.430	4.56E+04	
1.689	1037.7	.441	4.50E+04	
1.765	1051.0	.452	4.43E+04	
1.816	1040.3	.459	4.13E+04	
1.867	980.9	.465	4.39E+04	
1.918	976.4	.472	4.34E+04	
1.994	993.8	.482	4.21E+04	
2.070	1006.5	.492	4.15E+04	

INEL POST-CHF EXPERIMENT NO. 102

POINT SERIAL NO. 1102.040 (TIME= 218.50 SEC)

LOOP PRESSURE{PE-3} 7.95 MPA
 FCV TEMPERATURE{TE-FCV-1T} 524.9 K
 LHP INLET ENTHALPY 1.094E+06 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 444.22 K
 MASS FLUX 39.74 KG/SEC-M**2
 INLET QUALITY .181
 INLET ENTHALPY 1.094E+06 J/KG
 QUENCH FRONT:
 ELEVATION .472 M
 VELOCITY .0028 M/SEC
 QUALITY .253
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.760	687.9	.376	.299

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	444.4	.183	4.25E+04	
.051	455.3	.188	4.27E+04	
.063	453.5	.190	4.26E+04	
.089	461.4	.193	4.29E+04	
.114	455.4	.197	4.28E+04	
.140	453.4	.200	4.26E+04	
.165	454.7	.203	4.27E+04	
.317	462.6	.224	4.42E+04	
.394	500.9	.237	6.47E+04	
.470	697.3	.253	6.80E+04	
.546	843.1	.271	7.89E+04	
.622	903.3	.287	5.49E+04	
.698	930.0	.299	5.21E+04	
.775	950.9	.312	5.10E+04	
.851	970.1	.324	5.02E+04	
.927	983.1	.336	4.94E+04	
1.003	991.1	.347	4.85E+04	
1.067	930.5	.356	4.21E+04	3.62E+03
1.156	978.2	.368	4.38E+04	1.71E+03
1.232	928.4	.379	4.35E+04	
1.257	937.3	.382	4.67E+04	
1.321	952.0	.392	4.60E+04	
1.384	1015.2	.401	4.64E+04	
1.460	1039.8	.412	4.61E+04	
1.511	1020.8	.419	4.31E+04	
1.562	975.4	.426	4.60E+04	
1.613	1000.0	.433	4.61E+04	
1.689	1032.3	.444	4.55E+04	
1.765	1047.2	.455	4.50E+04	
1.816	1037.4	.462	4.20E+04	
1.867	979.0	.469	4.44E+04	
1.918	975.8	.476	4.41E+04	
1.994	996.4	.486	4.31E+04	
2.070	1010.5	.497	4.27E+04	

INEL POST-CHF EXPERIMENT NO. 102

POINT SERIAL NO. 2102.040 (TIME= 218.50 SEC)

LOOP PRESSURE(PE-3) 7.95 MPA
 FCV TEMPERATURE(TE-FCV-1T) 524.9 K
 LHP INLET ENTHALPY 1.094E+06 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 444.22 K
 MASS FLUX 39.74 KG/SEC-M**2
 INLET QUALITY .181
 INLET ENTHALPY 1.094E+06 J/KG
 QUENCH FRONT:
 ELEVATION .472 M
 VELOCITY .0028 M/SEC
 QUALITY .253
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.537	1.065	753.3	.419	.315

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	444.4	.183	4.25E+04	
.051	455.3	.188	4.27E+04	
.063	453.5	.190	4.26E+04	
.089	461.4	.193	4.29E+04	
.114	455.4	.197	4.28E+04	
.140	453.4	.200	4.26E+04	
.165	454.7	.203	4.27E+04	
.317	462.6	.224	4.42E+04	
.394	500.9	.237	6.47E+04	
.470	697.3	.253	6.80E+04	
.546	843.1	.271	7.89E+04	
.622	903.3	.287	5.49E+04	
.698	930.0	.299	5.21E+04	
.775	950.9	.312	5.10E+04	
.851	970.1	.324	5.02E+04	
.927	983.1	.336	4.94E+04	
1.003	991.1	.347	4.85E+04	
1.067	930.5	.356	4.21E+04	3.62E+03
1.156	978.2	.368	4.38E+04	1.71E+03
1.232	928.4	.379	4.35E+04	
1.257	937.3	.382	4.67E+04	
1.321	952.0	.392	4.60E+04	
1.384	1015.2	.401	4.64E+04	
1.460	1034.8	.412	4.61E+04	
1.511	1026.8	.419	4.31E+04	
1.562	975.4	.426	4.60E+04	
1.613	1000.0	.433	4.61E+04	
1.689	1032.3	.444	4.55E+04	
1.765	1047.2	.455	4.50E+04	
1.816	1037.4	.462	4.20E+04	
1.867	979.0	.469	4.44E+04	
1.918	975.8	.476	4.41E+04	
1.994	996.4	.486	4.31E+04	
2.070	1010.5	.497	4.27E+04	

INEL POST-CHF EXPERIMENT NO. 102

POINT SERIAL NO. 3102.040 (TIME= 219.50 SEC)

LOOP PRESSURE(PE-3) 7.96 MPA
 FCV TEMPERATURE(TE-FCV-1T) 524.9 K
 LHP INLET ENTHALPY 1.094E+06 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 444.24 K
 MASS FLUX 39.73 KG/SEC-M**2
 INLET QUALITY .181
 INLET ENTHALPY 1.094E+06 J/KG
 QUENCH FRONT:
 ELEVATION .475 M
 VELOCITY .0028 M/SEC
 QUALITY .254
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.841	1.367	796.0	.462	.337

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	444.3	.183	4.25E+04	
.051	455.3	.188	4.27E+04	
.063	453.4	.190	4.26E+04	
.089	461.3	.193	4.29E+04	
.114	455.4	.197	4.28E+04	
.140	453.3	.200	4.25E+04	
.165	454.7	.203	4.27E+04	
.317	462.4	.224	4.42E+04	
.394	495.1	.237	6.34E+04	
.470	677.3	.253	6.78E+04	
.546	837.1	.270	8.01E+04	
.622	902.0	.286	5.51E+04	
.698	929.0	.299	5.21E+04	
.775	950.1	.312	5.10E+04	
.851	969.4	.324	5.02E+04	
.927	982.4	.336	4.94E+04	
1.003	990.6	.347	4.85E+04	
1.067	930.2	.356	4.21E+04	3.64E+03
1.156	977.9	.368	4.39E+04	1.77E+03
1.232	928.1	.379	4.36E+04	
1.257	936.9	.382	4.68E+04	
1.321	951.8	.392	4.61E+04	
1.384	1014.9	.401	4.64E+04	
1.460	1034.5	.412	4.61E+04	
1.511	1026.5	.419	4.32E+04	
1.562	975.1	.426	4.61E+04	
1.613	999.7	.433	4.61E+04	
1.689	1032.1	.444	4.56E+04	
1.765	1047.1	.455	4.50E+04	
1.816	1037.2	.462	4.20E+04	
1.867	978.8	.469	4.45E+04	
1.918	975.7	.476	4.41E+04	
1.994	996.5	.487	4.32E+04	
2.070	1010.6	.497	4.28E+04	

H-150

INEL POST-CHF EXPERIMENT NO. 102

POINT SERIAL NO. 1102.050 (TIME= 241.50 SEC)

LOOP PRESSURE{PE-3} 7.94 MPA
 FCV TEMPERATURE{TE-FCV-1T} 525.0 K
 LHP INLET ENTHALPY 1.095E+06 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 444.25 K
 MASS FLUX 39.45 KG/SEC-M**2
 INLET QUALITY .182
 INLET ENTHALPY 1.095E+06 J/KG
 QUENCH FRONT:
 ELEVATION .543 M
 VELOCITY .0035 M/SEC
 QUALITY .265
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.689	670.8	.379	.305

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION			HEAT LOSS W/M**2
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2		
.013	443.9	.183	4.23E+04		
.051	454.3	.188	4.26E+04		
.063	452.7	.190	4.25E+04		
.089	459.8	.193	4.28E+04		
.114	454.0	.197	4.27E+04		
.140	452.6	.200	4.25E+04		
.165	453.9	.204	4.25E+04		
.317	458.3	.224	4.33E+04		
.394	468.8	.235	4.49E+04		
.470	546.1	.248	6.04E+04		
.546	718.6	.265	8.42E+04		
.622	840.4	.285	7.57E+04		
.698	906.6	.300	5.41E+04		
.775	931.4	.313	5.18E+04		
.851	953.2	.325	5.06E+04		
.927	968.1	.337	4.98E+04		
1.003	978.0	.349	4.92E+04		
1.067	922.2	.358	4.32E+04	3.37E+03	
1.156	970.1	.371	4.52E+04	1.47E+03	
1.232	920.4	.382	4.44E+04		
1.257	928.4	.385	4.73E+04		
1.321	944.9	.395	4.67E+04		
1.384	1006.9	.404	4.70E+04		
1.460	1027.5	.415	4.66E+04		
1.511	1019.9	.423	4.37E+04		
1.562	968.5	.430	4.65E+04		
1.613	993.1	.437	4.64E+04		
1.689	1026.5	.449	4.60E+04		
1.765	1042.7	.460	4.53E+04		
1.816	1033.5	.467	4.24E+04		
1.867	976.3	.474	4.47E+04		
1.918	974.0	.481	4.44E+04		
1.994	996.5	.491	4.37E+04		
2.070	1011.6	.502	4.33E+04		

INEL POST-CHF EXPERIMENT NO. 102

POINT SERIAL NO. 2102.050 (TIME= 241.50 SEC)

LOOP PRESSURE{PE-3} 7.94 MPA
 FCV TEMPERATURE{TE-FCV-1T} 525.0 K
 LHP INLET ENTHALPY 1.095E+06 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 444.25 K
 MASS FLUX 39.45 KG/SEC-M**2
 INLET QUALITY .182
 INLET ENTHALPY 1.095E+06 J/KG
 QUENCH FRONT:
 ELEVATION .543 M
 VELOCITY .0035 M/SEC
 QUALITY .265
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.993	731.6	.423	.324

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION			HEAT LOSS W/M**2
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2		
.013	443.9	.183	4.23E+04		
.051	454.3	.188	4.26E+04		
.063	452.7	.190	4.25E+04		
.089	459.8	.193	4.28E+04		
.114	454.0	.197	4.27E+04		
.140	452.6	.200	4.25E+04		
.165	453.9	.204	4.25E+04		
.317	458.3	.224	4.33E+04		
.394	468.8	.235	4.49E+04		
.470	546.1	.248	6.04E+04		
.546	718.6	.265	8.42E+04		
.622	840.4	.285	7.57E+04		
.698	906.6	.300	5.41E+04		
.775	931.4	.313	5.18E+04		
.851	953.2	.325	5.06E+04		
.927	968.1	.337	4.98E+04		
1.003	978.0	.349	4.92E+04		
1.067	922.2	.358	4.32E+04	3.37E+03	
1.156	970.1	.371	4.52E+04	1.47E+03	
1.232	920.4	.382	4.44E+04		
1.257	928.4	.385	4.73E+04		
1.321	944.9	.395	4.67E+04		
1.384	1006.9	.404	4.70E+04		
1.460	1027.5	.415	4.66E+04		
1.511	1019.9	.423	4.37E+04		
1.562	968.5	.430	4.65E+04		
1.613	993.1	.437	4.64E+04		
1.689	1026.5	.449	4.60E+04		
1.765	1042.7	.460	4.53E+04		
1.816	1033.5	.467	4.24E+04		
1.867	976.3	.474	4.47E+04		
1.918	974.0	.481	4.44E+04		
1.994	996.5	.491	4.37E+04		
2.070	1011.6	.502	4.33E+04		

INEL POST-CHF EXPERIMENT NO. 102

POINT SERIAL NO. 3102.050 (TIME= 240.50 SEC)

LOOP PRESSURE{PE-3} 7.97 MPA
 FCV TEMPERATURE{TE-FCV-11} 525.0 K
 LHP INLET ENTHALPY 1.095E+06 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 444.24 K
 MASS FLUX 39.43 KG/SEC-M**2
 INLET QUALITY .181
 INLET ENTHALPY 1.095E+06 J/KG
 QUENCH FRONT:
 ELEVATION .540 M
 VELOCITY .0035 M/SEC
 QUALITY .264
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.302	786.7	.466	.342

WALL TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	443.9	.183	4.23E+04	
.051	454.4	.188	4.26E+04	
.063	452.7	.190	4.25E+04	
.089	459.8	.193	4.28E+04	
.114	454.1	.197	4.27E+04	
.140	452.6	.200	4.25E+04	
.165	453.9	.204	4.25E+04	
.317	458.4	.224	4.34E+04	
.394	469.1	.235	4.51E+04	
.470	552.0	.248	6.10E+04	
.546	738.0	.265	8.42E+04	
.622	846.9	.285	7.48E+04	
.698	907.8	.300	5.40E+04	
.775	932.3	.313	5.17E+04	
.851	953.9	.325	5.05E+04	
.927	968.7	.337	4.98E+04	
1.003	978.6	.349	4.91E+04	
1.067	922.6	.358	4.32E+04	3.38E+03
1.156	970.5	.371	4.52E+04	1.44E+03
1.232	920.8	.382	4.44E+04	
1.257	928.8	.385	4.73E+04	
1.321	945.2	.395	4.67E+04	
1.384	1007.3	.404	4.70E+04	
1.460	1027.8	.415	4.66E+04	
1.511	1020.2	.423	4.37E+04	
1.562	968.8	.430	4.64E+04	
1.613	993.4	.437	4.64E+04	
1.689	1026.7	.448	4.60E+04	
1.765	1042.9	.459	4.53E+04	
1.816	1033.7	.466	4.24E+04	
1.867	976.4	.473	4.48E+04	
1.918	974.1	.481	4.44E+04	
1.994	996.6	.491	4.37E+04	
2.070	1011.6	.502	4.33E+04	

INEL POST-CHF EXPERIMENT NO. 102

POINT SERIAL NO. 1102.060 (TIME= 265.50 SEC)

LOOP PRESSURE{PE-3} 7.94 MPA
 FCV TEMPERATURE{TE-FCV-11} 525.1 K
 LHP INLET ENTHALPY 1.096E+06 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 444.21 K
 MASS FLUX 38.81 KG/SEC-M**2
 INLET QUALITY .182
 INLET ENTHALPY 1.096E+06 J/KG
 QUENCH FRONT:
 ELEVATION .623 M
 VELOCITY .0031 M/SEC
 QUALITY .280
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.609	640.7	.383	.316

WALL TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	443.6	.184	4.25E+04	
.051	453.6	.189	4.26E+04	
.063	452.0	.190	4.25E+04	
.089	458.4	.194	4.29E+04	
.114	453.1	.197	4.27E+04	
.140	452.1	.201	4.26E+04	
.165	453.2	.204	4.26E+04	
.317	455.9	.225	4.29E+04	
.394	462.7	.236	4.38E+04	
.470	484.2	.247	4.75E+04	
.546	549.5	.262	7.43E+04	
.622	636.9	.280	7.81E+04	
.698	846.4	.298	7.09E+04	
.775	906.6	.314	5.52E+04	
.851	933.4	.327	5.21E+04	
.927	950.8	.340	5.09E+04	
1.003	962.4	.352	5.02E+04	
1.067	911.7	.362	4.46E+04	
1.156	959.3	.375	4.66E+04	2.84E+03
1.232	910.5	.386	4.51E+04	1.24E+03
1.257	917.7	.390	4.84E+04	
1.321	935.9	.399	4.76E+04	
1.384	996.6	.409	4.80E+04	
1.460	1018.2	.421	4.75E+04	
1.511	1011.1	.428	4.47E+04	
1.562	960.3	.436	4.71E+04	
1.613	985.1	.444	4.70E+04	
1.689	1019.4	.455	4.65E+04	
1.765	1037.0	.466	4.60E+04	
1.816	1028.5	.474	4.30E+04	
1.867	972.9	.481	4.52E+04	
1.918	971.3	.488	4.49E+04	
1.994	995.3	.499	4.43E+04	
2.070	1011.2	.510	4.41E+04	

INEL POST-CHF EXPERIMENT NO. 102

POINT SERIAL NO. 2102.060 (TIME= 265.50 SEC)

LOOP PRESSURE(PE-3) 7.94 MPA
 FCV TEMPERATURE(TE-FCV-1T) 525.1 K
 LHP INLET ENTHALPY 1.096E+06 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 444.21 K
 MASS FLUX 38.83 KG/SEC-M**2
 INLET QUALITY .182
 INLET ENTHALPY 1.096E+06 J/KG
 QUENCH FRONT:
 ELEVATION .623 M
 VELOCITY .0031 M/SEC
 QUALITY .280
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.914	714.4	.428	.333

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION			HEAT LOSS W/M**2
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2		
.013	443.6	.184	4.25E+04		
.051	453.6	.189	4.26E+04		
.063	452.0	.190	4.25E+04		
.089	458.4	.194	4.29E+04		
.114	453.1	.197	4.27E+04		
.140	452.1	.201	4.26E+04		
.165	453.2	.204	4.26E+04		
.317	455.9	.225	4.29E+04		
.394	462.7	.236	4.38E+04		
.470	484.2	.247	4.75E+04		
.546	549.5	.262	7.43E+04		
.622	686.9	.280	7.81E+04		
.698	846.4	.298	7.09E+04		
.775	906.6	.314	5.52E+04		
.851	933.4	.327	5.21E+04		
.927	950.8	.340	5.09E+04		
1.003	962.4	.352	5.02E+04		
1.067	911.7	.362	4.46E+04	2.84E+03	
1.156	959.3	.375	4.66E+04	1.24E+03	
1.232	910.5	.386	4.51E+04		
1.257	917.7	.390	4.84E+04		
1.321	935.9	.399	4.76E+04		
1.384	996.6	.409	4.80E+04		
1.460	1018.2	.421	4.75E+04		
1.511	1011.1	.428	4.47E+04		
1.562	960.3	.436	4.71E+04		
1.613	985.1	.444	4.70E+04		
1.689	1019.4	.455	4.65E+04		
1.765	1037.0	.466	4.60E+04		
1.816	1028.5	.474	4.30E+04		
1.867	972.9	.481	4.52E+04		
1.918	971.3	.488	4.49E+04		
1.994	995.3	.499	4.43E+04		
2.070	1011.2	.510	4.41E+04		

INEL POST-CHF EXPERIMENT NO. 102

POINT SERIAL NO. 3102.060 (TIME= 265.50 SEC)

LOOP PRESSURE(PE-3) 7.94 MPA
 FCV TEMPERATURE(TE-FCV-1T) 525.1 K
 LHP INLET ENTHALPY 1.096E+06 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 444.21 K
 MASS FLUX 38.83 KG/SEC-M**2
 INLET QUALITY .182
 INLET ENTHALPY 1.096E+06 J/KG
 QUENCH FRONT:
 ELEVATION .623 M
 VELOCITY .0031 M/SEC
 QUALITY .280
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.219	776.6	.474	.350

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION			HEAT LOSS W/M**2
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2		
.013	443.6	.184	4.25E+04		
.051	453.6	.189	4.26E+04		
.063	452.0	.190	4.25E+04		
.089	458.4	.194	4.29E+04		
.114	453.1	.197	4.27E+04		
.140	452.1	.201	4.26E+04		
.165	453.2	.204	4.26E+04		
.317	455.9	.225	4.29E+04		
.394	462.7	.236	4.38E+04		
.470	484.2	.247	4.75E+04		
.546	549.5	.262	7.43E+04		
.622	686.9	.280	7.81E+04		
.698	846.4	.298	7.09E+04		
.775	906.6	.314	5.52E+04		
.851	933.4	.327	5.21E+04		
.927	950.8	.340	5.09E+04		
1.003	962.4	.352	5.02E+04		
1.067	911.7	.362	4.46E+04	2.84E+03	
1.156	959.3	.375	4.66E+04	1.24E+03	
1.232	910.5	.386	4.51E+04		
1.257	917.7	.390	4.84E+04		
1.321	935.9	.399	4.76E+04		
1.384	996.6	.409	4.80E+04		
1.460	1018.2	.421	4.75E+04		
1.511	1011.1	.428	4.47E+04		
1.562	960.3	.436	4.71E+04		
1.613	985.1	.444	4.70E+04		
1.689	1019.4	.455	4.65E+04		
1.765	1037.0	.466	4.60E+04		
1.816	1028.5	.474	4.30E+04		
1.867	972.9	.481	4.52E+04		
1.918	971.3	.488	4.49E+04		
1.994	995.3	.499	4.43E+04		
2.070	1011.2	.510	4.41E+04		

INEL POST-CHF EXPERIMENT NO. 102

POINT SERIAL NO. 1102.070 (TIME= 289.50 SEC)

LOOP PRESSURE(PE-3) 7.96 MPA
 FCV TEMPERATURE(TE-FCV-1T) 525.0 K
 LHP INLET ENTHALPY 1.095E+06 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 444.20 K
 MASS FLUX 38.86 KG/SEC-M**2
 INLET QUALITY .181
 INLET ENTHALPY 1.095E+06 J/KG
 QUENCH FRONT:
 ELEVATION .700 M
 VELOCITY .0033 M/SEC
 QUALITY .289
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.532	618.4	.381	.321

WALL TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	443.2	.183	4.25E+04	
.051	453.0	.188	4.27E+04	
.063	451.6	.190	4.27E+04	
.089	457.4	.194	4.29E+04	
.114	452.4	.197	4.27E+04	
.140	451.7	.201	4.26E+04	
.165	452.8	.204	4.26E+04	
.317	454.4	.225	4.29E+04	
.394	459.1	.236	4.34E+04	
.470	474.0	.246	4.47E+04	
.546	487.3	.258	4.80E+04	
.622	522.3	.272	6.71E+04	
.698	704.6	.289	7.45E+04	
.775	827.1	.307	7.47E+04	
.851	907.8	.323	5.53E+04	
.927	930.4	.336	5.24E+04	
1.003	944.6	.349	5.12E+04	
1.067	899.3	.359	4.59E+04	2.42E+03
1.156	946.5	.372	4.79E+04	7.58E+02
1.232	898.9	.384	4.58E+04	
1.257	905.5	.388	4.86E+04	
1.321	925.4	.397	4.80E+04	
1.384	985.1	.407	4.84E+04	
1.460	1007.6	.419	4.80E+04	
1.511	1001.1	.427	4.50E+04	
1.562	951.3	.434	4.74E+04	
1.613	976.4	.442	4.73E+04	
1.689	1011.8	.453	4.68E+04	
1.765	1030.5	.465	4.63E+04	
1.816	1022.8	.472	4.32E+04	
1.867	969.0	.479	4.54E+04	
1.918	968.3	.487	4.51E+04	
1.994	993.2	.497	4.47E+04	
2.070	1009.8	.508	4.44E+04	

INEL POST-CHF EXPERIMENT NO. 102

POINT SERIAL NO. 2102.070 (TIME= 288.50 SEC)

LOOP PRESSURE(PE-3) 7.95 MPA
 FCV TEMPERATURE(TE-FCV-1T) 525.0 K
 LHP INLET ENTHALPY 1.095E+06 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 444.22 K
 MASS FLUX 38.82 KG/SEC-M**2
 INLET QUALITY .181
 INLET ENTHALPY 1.095E+06 J/KG
 QUENCH FRONT:
 ELEVATION .697 M
 VELOCITY .0033 M/SEC
 QUALITY .289
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.840	693.0	.430	.340

WALL TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	443.2	.183	4.25E+04	
.051	453.1	.188	4.27E+04	
.063	451.6	.190	4.27E+04	
.089	457.5	.194	4.29E+04	
.114	452.5	.197	4.27E+04	
.140	451.7	.201	4.26E+04	
.165	452.8	.204	4.26E+04	
.317	454.4	.225	4.29E+04	
.394	459.2	.236	4.34E+04	
.470	474.3	.246	4.48E+04	
.546	488.1	.258	4.82E+04	
.622	528.4	.272	6.84E+04	
.698	724.4	.289	7.44E+04	
.775	833.6	.308	7.38E+04	
.851	909.1	.323	5.51E+04	
.927	931.3	.336	5.23E+04	
1.003	945.4	.349	5.11E+04	
1.067	899.9	.359	4.58E+04	2.46E+03
1.156	947.1	.372	4.79E+04	7.35E+02
1.232	899.4	.384	4.58E+04	
1.257	906.0	.388	4.86E+04	
1.321	925.9	.397	4.80E+04	
1.384	985.6	.407	4.84E+04	
1.460	1008.1	.419	4.80E+04	
1.511	1001.6	.427	4.50E+04	
1.562	951.7	.434	4.73E+04	
1.613	976.8	.442	4.72E+04	
1.689	1012.1	.453	4.68E+04	
1.765	1030.8	.465	4.62E+04	
1.816	1023.1	.472	4.32E+04	
1.867	969.1	.479	4.54E+04	
1.918	968.4	.487	4.50E+04	
1.994	993.3	.498	4.47E+04	
2.070	1009.9	.509	4.44E+04	

INEL POST-CHF EXPERIMENT NO. 102

POINT SERIAL NO. 3102.070 (TIME= 290.50 SEC)

LOOP PRESSURE(PE-3) 7.95 MPA
 FCV TEMPERATURE(TE-FCV-1T) 525.0 K
 LHP INLET ENTHALPY 1.095E+06 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 444.21 K
 MASS FLUX 38.89 KG/SEC-M**2
 INLET QUALITY .181
 INLET ENTHALPY 1.095E+06 J/KG
 QUENCH FRONT:
 ELEVATION .704 M
 VELOCITY .0033 M/SEC
 QUALITY .290
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.138	765.5	.475	.355

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION			HEAT LOSS W/M**2
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2		
.013	443.2	.183	4.25E+04		
.051	453.0	.188	4.27E+04		
.063	451.5	.190	4.26E+04		
.089	457.4	.194	4.29E+04		
.114	452.4	.197	4.27E+04		
.140	451.7	.201	4.25E+04		
.165	452.8	.204	4.27E+04		
.317	454.3	.225	4.29E+04		
.394	459.0	.236	4.34E+04		
.470	473.7	.246	4.47E+04		
.546	486.7	.258	4.78E+04		
.622	516.2	.272	6.58E+04		
.698	684.8	.289	7.45E+04		
.775	820.6	.307	7.56E+04		
.851	906.6	.323	5.56E+04		
.927	929.5	.336	5.25E+04		
1.003	943.8	.349	5.13E+04		
1.067	898.8	.359	4.60E+04	2.38E+03	
1.156	945.9	.372	4.79E+04	7.86E+02	
1.232	898.4	.384	4.58E+04		
1.257	905.0	.387	4.87E+04		
1.321	925.0	.397	4.81E+04		
1.384	984.6	.407	4.85E+04		
1.460	1007.2	.419	4.81E+04		
1.511	1000.7	.426	4.50E+04		
1.562	951.0	.434	4.74E+04		
1.613	976.0	.442	4.73E+04		
1.689	1011.4	.453	4.68E+04		
1.765	1030.2	.465	4.64E+04		
1.816	1022.6	.472	4.33E+04		
1.867	968.8	.479	4.54E+04		
1.918	968.1	.487	4.52E+04		
1.994	993.1	.497	4.47E+04		
2.070	1009.7	.508	4.45E+04		

INEL POST-CHF EXPERIMENT NO. 102

POINT SERIAL NO. 2102.080 (TIME= 309.50 SEC)

LOOP PRESSURE(PE-3) 7.96 MPA
 FCV TEMPERATURE(TE-FCV-1T) 525.0 K
 LHP INLET ENTHALPY 1.095E+06 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 444.18 K
 MASS FLUX 38.67 KG/SEC-M**2
 INLET QUALITY .182
 INLET ENTHALPY 1.095E+06 J/KG
 QUENCH FRONT:
 ELEVATION .769 M
 VELOCITY .0035 M/SEC
 QUALITY .300
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.768	673.4	.432	.348

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION			HEAT LOSS W/M**2
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2		
.013	443.0	.183	4.27E+04		
.051	452.6	.189	4.28E+04		
.063	451.3	.190	4.28E+04		
.089	456.7	.194	4.29E+04		
.114	452.0	.197	4.28E+04		
.140	451.5	.201	4.28E+04		
.165	452.4	.204	4.28E+04		
.317	453.5	.225	4.29E+04		
.394	457.2	.236	4.33E+04		
.470	469.7	.247	4.40E+04		
.546	476.9	.258	4.57E+04		
.622	469.5	.269	4.63E+04		
.698	569.9	.283	6.91E+04		
.775	712.7	.301	7.63E+04		
.851	855.7	.320	7.55E+04		
.927	909.2	.336	5.52E+04		
1.003	927.3	.349	5.28E+04		
1.067	887.5	.359	4.73E+04	2.01E+03	
1.156	934.6	.373	4.93E+04	2.63E+02	
1.232	887.8	.385	4.67E+04		
1.257	894.3	.389	4.96E+04		
1.321	915.8	.399	4.87E+04		
1.384	974.3	.409	4.92E+04		
1.460	997.8	.421	4.87E+04		
1.511	992.0	.429	4.57E+04		
1.562	943.1	.436	4.82E+04		
1.613	968.4	.444	4.80E+04		
1.689	1004.6	.456	4.75E+04		
1.765	1024.2	.468	4.69E+04		
1.816	1017.4	.475	4.39E+04		
1.867	964.9	.482	4.61E+04		
1.918	964.8	.490	4.59E+04		
1.994	990.6	.501	4.53E+04		
2.070	1007.7	.512	4.51E+04		

H-155

INEL POST-CHF EXPERIMENT NO. 102

POINT SERIAL NO. 3102.080 (TIME= 310.50 SEC)

LOOP PRESSURE{PE-3} 7.96 MPA
 FCV TEMPERATURE{TE-FCV-1T} 525.0 K
 LHP INLET ENTHALPY 1.095E+06 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 444.18 K
 MASS FLUX 38.69 KG/SEC-M**2
 INLET QUALITY .182
 INLET ENTHALPY 1.095E+06 J/KG
 QUENCH FRONT:
 ELEVATION .772 M
 VELOCITY .0035 M/SEC
 QUALITY .300
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	JZQF	TV	XE	XA
(M)	(M)	(K)		
1.841	1.069	758.1	.479	.359

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION			HEAT LOSS W/M**2
ELEVATION	TEMP	XE	HEAT FLUX		
(M)	(K)		W/M**2		
.013	443.0	.183	4.27E+04		
.051	452.6	.189	4.28E+04		
.063	451.2	.190	4.28E+04		
.089	456.7	.194	4.29E+04		
.114	452.0	.197	4.28E+04		
.140	451.5	.201	4.28E+04		
.165	452.4	.204	4.28E+04		
.317	453.5	.225	4.29E+04		
.394	457.1	.236	4.33E+04		
.470	469.5	.247	4.40E+04		
.546	476.5	.258	4.56E+04		
.622	469.1	.269	4.62E+04		
.698	563.8	.283	6.82E+04		
.775	692.1	.301	7.63E+04		
.851	849.5	.320	7.66E+04		
.927	908.0	.336	5.54E+04		
1.003	926.4	.349	5.29E+04		
1.067	886.9	.359	4.74E+04	1.99E+03	
1.156	933.9	.373	4.93E+04	2.74E+02	
1.232	887.2	.385	4.67E+04		
1.257	893.7	.389	4.96E+04		
1.321	915.3	.399	4.88E+04		
1.384	973.7	.409	4.92E+04		
1.460	997.3	.421	4.87E+04		
1.511	991.5	.429	4.57E+04		
1.562	942.6	.436	4.82E+04		
1.613	968.0	.444	4.80E+04		
1.689	1004.2	.456	4.76E+04		
1.765	1023.3	.468	4.70E+04		
1.816	1017.1	.475	4.39E+04		
1.867	964.7	.482	4.62E+04		
1.918	964.5	.490	4.59E+04		
1.994	990.4	.501	4.54E+04		
2.070	1007.5	.512	4.51E+04		

INEL POST-CHF EXPERIMENT NO. 102

POINT SERIAL NO. 3102.090 (TIME= 331.50 SEC)

LOOP PRESSURE{PE-3} 7.96 MPA
 FCV TEMPERATURE{TE-FCV-1T} 525.1 K
 LHP INLET ENTHALPY 1.095E+06 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 444.19 K
 MASS FLUX 38.27 KG/SEC-M**2
 INLET QUALITY .182
 INLET ENTHALPY 1.095E+06 J/KG
 QUENCH FRONT:
 ELEVATION .843 M
 VELOCITY .0032 M/SEC
 QUALITY .312
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.841	.998	747.9	.483	.367

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION			HEAT LOSS W/M**2
ELEVATION	TEMP	XE	HEAT FLUX		
(M)	(K)		W/M**2		
.013	442.8	.184	4.28E+04		
.051	452.2	.189	4.28E+04		
.063	450.9	.191	4.28E+04		
.089	456.2	.194	4.30E+04		
.114	451.5	.198	4.30E+04		
.140	451.3	.201	4.28E+04		
.165	452.1	.205	4.29E+04		
.317	452.7	.226	4.30E+04		
.394	455.5	.237	4.33E+04		
.470	466.5	.247	4.38E+04		
.546	470.0	.258	4.47E+04		
.622	462.7	.269	4.45E+04		
.698	492.3	.281	4.97E+04		
.775	552.8	.296	7.01E+04		
.851	764.6	.314	7.99E+04		
.927	858.7	.334	7.60E+04		
1.003	903.4	.350	5.57E+04		
1.067	872.2	.361	5.11E+04		
1.156	919.7	.376	5.04E+04		
1.232	873.7	.388	4.75E+04		
1.257	880.3	.392	5.03E+04		
1.321	904.2	.402	4.92E+04		
1.384	961.4	.412	4.97E+04		
1.460	986.0	.424	4.92E+04		
1.511	980.9	.432	4.62E+04		
1.562	933.1	.440	4.82E+04		
1.613	958.8	.448	4.80E+04		
1.689	995.9	.460	4.79E+04		
1.765	1016.5	.472	4.74E+04		
1.816	1010.4	.479	4.43E+04		
1.867	959.5	.487	4.65E+04		
1.918	960.0	.494	4.62E+04		
1.994	986.7	.506	4.58E+04		
2.070	1004.4	.517	4.55E+04		

INEL POST-CHF EXPERIMENT NO. 102

POINT SERIAL NO. 2102.100 (TIME= 345.50 SEC)

LOOP PRESSURE(PE-3) 7.94 MPA
 FCV TEMPERATURE(TE-FCV-1T) 525.4 K
 LHP INLET ENTHALPY 1.097E+06 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 444.14 K
 MASS FLUX 38.30 KG/SEC-M**2
 INLET QUALITY .183
 INLET ENTHALPY 1.097E+06 J/KG
 QUENCH FRONT:
 ELEVATION .888 M
 VELOCITY .0032 M/SEC
 QUALITY .322
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.649	636.8	.439	.364

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	442.2	.184	4.34E+04	
.051	452.0	.190	4.26E+04	
.063	450.9	.192	4.29E+04	
.089	455.9	.195	4.29E+04	
.114	451.0	.199	4.28E+04	
.140	451.1	.202	4.33E+04	
.165	451.7	.206	4.31E+04	
.317	452.3	.227	4.23E+04	
.394	454.4	.238	4.35E+04	
.470	464.5	.249	4.43E+04	
.546	466.1	.260	4.37E+04	
.622	459.0	.270	4.44E+04	
.698	480.9	.282	4.59E+04	
.775	484.4	.293	4.79E+04	
.851	519.2	.311	9.32E+04	
.927	853.9	.333	8.79E+04	
1.003	888.8	.351	5.82E+04	
1.067	862.5	.363	5.16E+04	
1.156	910.4	.373	5.13E+04	
1.232	864.3	.390	4.68E+04	
1.257	871.4	.394	5.18E+04	
1.321	897.1	.404	4.82E+04	
1.334	953.6	.415	5.04E+04	
1.460	979.0	.427	4.96E+04	
1.511	974.6	.435	4.64E+04	
1.562	927.5	.443	4.88E+04	
1.613	953.2	.451	4.87E+04	
1.689	991.0	.463	4.79E+04	
1.765	1012.0	.475	4.71E+04	
1.816	1006.5	.482	4.33E+04	
1.867	956.4	.489	4.51E+04	
1.918	957.7	.497	4.72E+04	
1.994	984.8	.509	4.54E+04	
2.070	1002.7	.520	4.59E+04	

INEL POST-CHF EXPERIMENT NO. 102

POINT SERIAL NO. 3102.100 (TIME= 344.50 SEC)

LOOP PRESSURE(PE-3) 7.96 MPA
 FCV TEMPERATURE(TE-FCV-1T) 525.1 K
 LHP INLET ENTHALPY 1.095E+06 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 444.14 K
 MASS FLUX 38.31 KG/SEC-M**2
 INLET QUALITY .182
 INLET ENTHALPY 1.095E+06 J/KG
 QUENCH FRONT:
 ELEVATION .885 M
 VELOCITY .0032 M/SEC
 QUALITY .319
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	.957	734.9	.484	.371

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	442.7	.184	4.29E+04	
.051	452.1	.189	4.29E+04	
.063	450.8	.191	4.29E+04	
.089	455.9	.194	4.30E+04	
.114	451.1	.198	4.30E+04	
.140	451.2	.201	4.29E+04	
.165	451.9	.205	4.29E+04	
.317	452.3	.226	4.30E+04	
.394	454.6	.237	4.33E+04	
.470	464.8	.247	4.38E+04	
.546	467.1	.258	4.44E+04	
.622	459.6	.269	4.41E+04	
.698	483.3	.281	4.68E+04	
.775	491.6	.293	5.61E+04	
.851	627.2	.310	7.85E+04	
.927	779.2	.330	8.25E+04	
1.003	883.9	.348	6.70E+04	
1.067	861.1	.361	5.24E+04	
1.156	909.9	.376	5.12E+04	
1.232	864.3	.388	4.81E+04	
1.257	870.8	.392	5.12E+04	
1.321	896.6	.402	4.98E+04	
1.334	953.1	.413	5.02E+04	
1.460	978.5	.425	4.97E+04	
1.511	973.7	.433	4.68E+04	
1.562	927.2	.441	4.86E+04	
1.613	953.2	.449	4.82E+04	
1.689	990.6	.461	4.79E+04	
1.765	1011.7	.472	4.75E+04	
1.816	1006.0	.480	4.44E+04	
1.867	956.0	.487	4.66E+04	
1.918	956.9	.495	4.63E+04	
1.994	984.1	.507	4.59E+04	
2.070	1002.1	.518	4.57E+04	

INEL POST-CHF EXPERIMENT NO. 102

POINT SERIAL NO. 3102.110 (TIME= 355.50 SEC)

LOOP PRESSURE(PE-3) 7.96 MPA
 FCV TEMPERATURE(TE-FCV-1T) 525.0 K
 LHP INLET ENTHALPY 1.095E+06 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 444.22 K
 MASS FLUX 38.47 KG/SEC-M**2
 INLET QUALITY .181
 INLET ENTHALPY 1.095E+06 J/KG
 QUENCH FRONT:
 ELEVATION .923 M
 VELOCITY .0035 M/SEC
 QUALITY .325
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.841 .918 721.8 .484 .374

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013 442.5 .183 4.29E+04
 .051 451.9 .189 4.29E+04
 .063 450.7 .190 4.29E+04
 .089 455.6 .194 4.30E+04
 .114 450.9 .197 4.29E+04
 .140 451.1 .201 4.29E+04
 .165 451.8 .204 4.29E+04
 .317 452.0 .226 4.31E+04
 .394 454.0 .236 4.33E+04
 .470 463.4 .247 4.38E+04
 .546 465.1 .258 4.42E+04
 .622 457.9 .269 4.39E+04
 .698 478.3 .280 4.60E+04
 .775 481.2 .292 4.78E+04
 .851 558.5 .307 7.26E+04
 .927 741.6 .326 8.24E+04
 1.003 830.3 .346 7.89E+04
 1.067 849.7 .359 5.45E+04
 1.156 900.5 .375 5.23E+04
 1.232 855.6 .387 4.89E+04
 1.257 861.3 .391 5.23E+04
 1.321 889.5 .402 5.03E+04
 1.384 945.5 .412 5.08E+04
 1.460 971.4 .425 5.03E+04
 1.511 966.7 .433 4.75E+04
 1.562 921.3 .441 4.96E+04
 1.613 948.1 .449 4.88E+04
 1.689 985.8 .461 4.84E+04
 1.765 1007.3 .473 4.80E+04
 1.816 1002.0 .481 4.49E+04
 1.867 952.7 .488 4.72E+04
 1.918 953.8 .496 4.70E+04
 1.994 981.6 .507 4.63E+04
 2.070 999.8 .519 4.62E+04

INEL POST-CHF EXPERIMENT NO. 102

POINT SERIAL NO. 3102.120 (TIME= 378.50 SEC)

LOOP PRESSURE(PE-3) 7.99 MPA
 FCV TEMPERATURE(TE-FCV-1T) 524.9 K
 LHP INLET ENTHALPY 1.094E+06 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 444.21 K
 MASS FLUX 38.55 KG/SEC-M**2
 INLET QUALITY .181
 INLET ENTHALPY 1.094E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.004 M
 VELOCITY .003 M/SEC
 QUALITY .337
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.841 .837 703.3 .485 .380

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013 442.4 .183 4.30E+04
 .051 451.7 .188 4.31E+04
 .063 450.5 .190 4.31E+04
 .089 455.2 .194 4.32E+04
 .114 450.7 .197 4.31E+04
 .140 451.1 .201 4.31E+04
 .165 451.7 .204 4.31E+04
 .317 451.4 .226 4.31E+04
 .394 453.0 .236 4.33E+04
 .470 460.9 .247 4.37E+04
 .546 462.0 .258 4.39E+04
 .622 455.4 .269 4.37E+04
 .698 471.2 .280 4.49E+04
 .775 471.1 .291 4.54E+04
 .851 485.4 .303 4.82E+04
 .927 567.8 .318 7.53E+04
 1.003 675.6 .337 7.91E+04
 1.067 788.1 .353 7.34E+04
 1.156 875.9 .371 5.69E+04
 1.232 834.4 .385 5.10E+04
 1.257 838.2 .389 5.43E+04
 1.321 872.8 .400 5.15E+04
 1.384 927.7 .411 5.20E+04
 1.460 954.9 .424 5.14E+04
 1.511 949.7 .432 4.90E+04
 1.562 906.1 .440 5.14E+04
 1.613 935.2 .448 5.00E+04
 1.689 973.9 .461 4.95E+04
 1.765 996.5 .473 4.90E+04
 1.816 992.0 .481 4.59E+04
 1.867 944.3 .489 4.81E+04
 1.918 946.0 .497 4.79E+04
 1.994 974.9 .508 4.74E+04
 2.070 993.6 .520 4.71E+04

INEL POST-CHF EXPERIMENT NO. 102

POINT SERIAL NO. 3102.130 (TIME= 395.50 SEC)

LOOP PRESSURE{PE-3} 7.95 MPA
 FCV TEMPERATURE{TE-FCV-1T} 524.9 K
 LHP INLET ENTHALPY 1.094E+06 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 444.15 K
 MASS FLUX 38.07 KG/SEC-M**2
 INLET QUALITY .181
 INLET ENTHALPY 1.094E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.067 M
 VELOCITY .0039 M/SEC
 QUALITY .346
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.841	.774	681.8	.488	.390

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	442.4	.183	4.30E+04	
.051	451.6	.189	4.32E+04	
.063	450.4	.190	4.31E+04	
.089	454.8	.194	4.32E+04	
.114	450.7	.197	4.30E+04	
.140	451.0	.201	4.32E+04	
.165	451.6	.205	4.32E+04	
.317	451.1	.226	4.33E+04	
.394	452.5	.237	4.33E+04	
.470	459.5	.248	4.37E+04	
.546	460.3	.258	4.38E+04	
.622	454.1	.269	4.36E+04	
.698	467.7	.280	4.45E+04	
.775	466.7	.291	4.49E+04	
.851	476.8	.303	4.62E+04	
.927	502.2	.315	5.33E+04	
1.003	560.3	.331	7.37E+04	
1.067	733.2	.346	7.55E+04	
1.156	828.5	.367	7.02E+04	
1.232	812.0	.383	5.59E+04	
1.257	812.8	.388	6.41E+04	
1.321	857.5	.400	5.36E+04	
1.384	911.9	.411	5.38E+04	
1.460	940.5	.425	5.29E+04	
1.511	934.3	.433	5.06E+04	
1.562	890.4	.442	5.45E+04	
1.613	922.8	.451	5.21E+04	
1.689	962.8	.464	5.13E+04	
1.765	986.3	.476	5.06E+04	
1.816	982.4	.484	4.75E+04	
1.867	936.0	.492	4.96E+04	
1.918	937.9	.501	4.93E+04	
1.994	968.0	.513	4.88E+04	
2.070	987.2	.525	4.85E+04	

INEL POST-CHF EXPERIMENT NO. 102

POINT SERIAL NO. 3102.140 (TIME= 417.50 SEC)

LOOP PRESSURE{PE-3} 7.94 MPA
 FCV TEMPERATURE{TE-FCV-1T} 524.8 K
 LHP INLET ENTHALPY 1.094E+06 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 444.19 K
 MASS FLUX 38.08 KG/SEC-M**2
 INLET QUALITY .181
 INLET ENTHALPY 1.094E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.156 M
 VELOCITY .0042 M/SEC
 QUALITY .362
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.841	.686	648.7	.498	.408

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	442.6	.183	4.30E+04	
.051	451.4	.188	4.33E+04	
.063	450.4	.190	4.32E+04	
.089	454.4	.194	4.33E+04	
.114	451.1	.197	4.28E+04	
.140	450.8	.201	4.33E+04	
.165	451.5	.204	4.33E+04	
.317	450.8	.226	4.35E+04	
.394	452.0	.237	4.35E+04	
.470	458.0	.248	4.38E+04	
.546	458.4	.259	4.39E+04	
.622	452.7	.270	4.36E+04	
.698	464.1	.281	4.41E+04	
.775	462.4	.292	4.45E+04	
.851	469.3	.303	4.53E+04	
.927	484.8	.314	4.67E+04	
1.003	467.7	.326	4.62E+04	
1.067	559.9	.338	6.56E+04	
1.156	740.8	.362	9.89E+04	
1.232	774.5	.382	6.39E+04	
1.257	767.0	.388	9.05E+04	
1.321	834.7	.404	5.80E+04	
1.384	888.9	.416	5.72E+04	
1.460	919.8	.430	5.54E+04	
1.511	911.9	.439	5.34E+04	
1.562	864.9	.448	5.99E+04	
1.613	903.0	.458	5.52E+04	
1.689	945.1	.471	5.42E+04	
1.765	970.4	.485	5.33E+04	
1.816	967.3	.493	5.02E+04	
1.867	922.8	.502	5.20E+04	
1.918	925.0	.511	5.20E+04	
1.994	956.7	.523	5.11E+04	
2.070	976.5	.536	5.07E+04	

INEL POST-CHF EXPERIMENT NO. 102

POINT SERIAL NO. 3102.150 (TIME= 430.50 SEC)

LOOP PRESSURE(PE-3) 7.95 MPA
 FCV TEMPERATURE(TE-FCV-1T) 524.3 K
 LHP INLET ENTHALPY 1.091E+06 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 444.08 K
 MASS FLUX 38.15 KG/SEC-M**2
 INLET QUALITY .180
 INLET ENTHALPY 1.091E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.219 M
 VELOCITY .0064 M/SEC
 QUALITY .362
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	.623	621.7	.517	.434

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	444.0	.181	4.21E+04	
.051	451.2	.187	4.32E+04	
.063	450.3	.188	4.35E+04	
.089	454.3	.192	4.35E+04	
.114	452.1	.196	4.31E+04	
.140	450.7	.199	4.39E+04	
.165	451.4	.203	4.32E+04	
.317	450.5	.225	4.48E+04	
.394	451.3	.236	4.36E+04	
.470	457.3	.246	4.32E+04	
.546	457.5	.257	4.36E+04	
.622	452.2	.268	4.30E+04	
.698	462.8	.279	4.40E+04	
.775	460.6	.290	4.41E+04	
.851	466.0	.301	4.51E+04	
.927	479.4	.312	4.53E+04	
1.003	463.3	.323	4.33E+04	
1.067	534.7	.333	5.25E+04	
1.156	590.7	.351	7.73E+04	
1.232	727.8	.364	2.09E+04	
1.257	643.7	.376	2.86E+05	
1.321	809.9	.414	7.43E+04	
1.384	867.7	.428	6.59E+04	
1.460	902.3	.444	6.22E+04	
1.511	894.3	.454	5.82E+04	
1.562	837.3	.465	7.33E+04	
1.613	886.1	.476	5.83E+04	
1.689	930.2	.490	5.87E+04	
1.765	957.0	.504	5.00E+04	
1.816	954.3	.512	5.53E+04	
1.867	911.6	.521	5.43E+04	
1.918	914.1	.530	5.33E+04	
1.994	946.8	.543	4.83E+04	
2.070	967.2	.555	5.26E+04	

INEL POST-CHF EXPERIMENT NO. 106

POINT SERIAL NO. 1106.010 (TIME= 110.50 SEC)

LOOP PRESSURE(PE-3) 4.99 MPA
 FCV TEMPERATURE(TE-FCV-1T) 477.1 K
 LHP INLET ENTHALPY 8.715E+05 J/KG
 TEST SECTION:
 PRESSURE .80 MPA
 SAT TEMP 443.70 K
 MASS FLUX 18.36 KG/SEC-M**2
 INLET QUALITY .073
 INLET ENTHALPY 8.715E+05 J/KG
 QUENCH FRONT:
 ELEVATION .093 M
 VELOCITY .0027 M/SEC
 QUALITY .096
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	1.139	759.4	.402	.301

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	466.0	.075	2.29E+04	
.051	500.7	.083	3.72E+04	
.063	474.3	.086	2.88E+04	
.089	575.6	.094	6.56E+04	
.114	635.6	.109	1.09E+05	
.140	751.5	.127	9.27E+04	
.165	751.0	.138	4.39E+04	
.317	823.4	.185	4.52E+04	
.394	852.8	.208	4.45E+04	
.470	871.3	.231	4.44E+04	
.546	886.8	.254	4.18E+04	
.622	904.1	.275	3.93E+04	
.698	924.4	.294	3.55E+04	
.775	948.7	.312	3.51E+04	
.851	977.5	.331	3.60E+04	
.927	992.1	.349	3.36E+04	
1.003	966.6	.365	3.17E+04	
1.067	875.3	.377	2.36E+04	
1.156	922.3	.392	2.47E+04	
1.232	896.0	.405	2.51E+04	
1.257	911.7	.409	2.92E+04	
1.321	935.2	.422	2.97E+04	
1.384	1007.9	.436	3.55E+04	
1.461	1013.6	.454	3.29E+04	
1.511	997.0	.464	2.88E+04	
1.562	976.8	.475	3.09E+04	
1.613	984.8	.485	2.80E+04	
1.689	986.7	.499	2.51E+04	
1.765	980.2	.511	2.29E+04	
1.816	967.5	.519	2.06E+04	
1.867	941.1	.526	2.07E+04	
1.918	918.9	.532	1.89E+04	
1.994	914.9	.542	1.72E+04	
2.070	921.3	.551	1.71E+04	

INEL POST-CHF EXPERIMENT NO. 106

POINT SERIAL NO. 2106.010 (TIME= 110.50 SEC)

LOOP PRESSURE(PE-3) 4.99 MPA
 FCV TEMPERATURE(TE-FCV-1T) 477.2 K
 LHP INLET ENTHALPY 8.719E+05 J/KG
 TEST SECTION:
 PRESSURE .80 MPA
 SAT TEMP 443.70 K
 MASS FLUX 18.36 KG/SEC-M**2
 INLET QUALITY .074
 INLET ENTHALPY 8.719E+05 J/KG
 QUENCH FRONT:
 ELEVATION .093 M
 VELOCITY .0027 M/SEC
 QUALITY .095
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	1.444	849.5	.461	.322

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	464.5	.075	2.26E+04	
.051	496.0	.083	3.50E+04	
.063	471.9	.086	2.74E+04	
.089	559.6	.093	5.69E+04	
.114	599.6	.106	9.14E+04	
.140	701.3	.123	1.07E+05	
.165	743.5	.136	4.74E+04	
.317	816.4	.184	4.36E+04	
.394	846.8	.206	4.35E+04	
.470	864.9	.229	4.30E+04	
.546	881.2	.250	4.02E+04	
.622	898.8	.271	3.82E+04	
.698	919.9	.290	3.55E+04	
.775	944.0	.308	3.55E+04	
.851	973.3	.327	3.59E+04	
.927	988.5	.345	3.40E+04	
1.003	963.3	.362	3.18E+04	
1.067	873.8	.374	2.38E+04	
1.156	920.5	.389	2.52E+04	
1.232	893.7	.402	2.56E+04	
1.257	908.6	.406	2.89E+04	
1.321	932.1	.419	2.93E+04	
1.384	1003.3	.433	3.51E+04	
1.461	1010.0	.450	3.22E+04	
1.511	994.1	.461	2.81E+04	
1.562	973.7	.470	2.95E+04	
1.613	982.4	.480	2.70E+04	
1.689	985.2	.493	2.41E+04	
1.765	979.1	.505	2.25E+04	
1.816	966.7	.513	2.01E+04	
1.867	940.4	.520	2.08E+04	
1.918	918.7	.527	1.94E+04	
1.994	915.2	.536	1.77E+04	
2.070	921.6	.546	1.76E+04	

INEL POST-CHF EXPERIMENT NO. 106

POINT SERIAL NO. 3106.010 (TIME= 110.50 SEC)

LOOP PRESSURE(PE-3) 4.99 MPA
 FCV TEMPERATURE(TE-FCV-1T) 477.2 K
 LHP INLET ENTHALPY 8.719E+05 J/KG
 TEST SECTION:
 PRESSURE .80 MPA
 SAT TEMP 443.70 K
 MASS FLUX 18.36 KG/SEC-M**2
 INLET QUALITY .074
 INLET ENTHALPY 8.719E+05 J/KG
 QUENCH FRONT:
 ELEVATION .093 M
 VELOCITY .0027 M/SEC
 QUALITY .095
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.749	839.8	.513	.361

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	464.5	.075	2.26E+04	
.051	496.0	.083	3.50E+04	
.063	471.9	.086	2.74E+04	
.089	559.6	.093	5.69E+04	
.114	599.6	.106	9.14E+04	
.140	701.3	.123	1.07E+05	
.165	743.5	.136	4.74E+04	
.317	816.4	.184	4.36E+04	
.394	846.8	.206	4.35E+04	
.470	864.9	.229	4.30E+04	
.546	881.2	.250	4.02E+04	
.622	898.8	.271	3.82E+04	
.698	919.9	.290	3.55E+04	
.775	944.0	.308	3.55E+04	
.851	973.3	.327	3.59E+04	
.927	988.5	.345	3.40E+04	
1.003	963.3	.362	3.18E+04	
1.067	873.8	.374	2.38E+04	
1.156	920.5	.389	2.52E+04	
1.232	893.7	.402	2.56E+04	
1.257	908.6	.406	2.89E+04	
1.321	932.1	.419	2.93E+04	
1.384	1003.3	.433	3.51E+04	
1.461	1010.0	.450	3.22E+04	
1.511	994.1	.461	2.81E+04	
1.562	973.7	.470	2.95E+04	
1.613	982.4	.480	2.70E+04	
1.689	985.2	.493	2.41E+04	
1.765	979.1	.505	2.25E+04	
1.816	966.7	.513	2.01E+04	
1.867	940.4	.520	2.08E+04	
1.918	918.7	.527	1.94E+04	
1.994	915.2	.536	1.77E+04	
2.070	921.6	.546	1.76E+04	

INEL POST-CHF EXPERIMENT NO. 106

POINT SERIAL NO. 1106.020 (TIME= 119.50 SEC)

LOOP PRESSURE(PE-3) 5.01 MPA
 FCV TEMPERATURE(TE-FCV-1T) 477.3 K
 LHP INLET ENTHALPY 8.726E+05 J/KG
 TEST SECTION:
 PRESSURE .80 MPA
 SAT TEMP 443.70 K
 MASS FLUX 18.24 KG/SEC-M***2
 INLET QUALITY .074
 INLET ENTHALPY 8.726E+05 J/KG
 QUENCH FRONT:
 ELEVATION .120 M
 VELOCITY .0033 M/SEC
 QUALITY .105
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	1.111	689.7	.398	.315

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	462.2	.076	2.26E+04	
.051	489.1	.083	3.21E+04	
.063	468.7	.085	2.56E+04	
.089	503.3	.092	4.70E+04	
.114	602.0	.102	7.16E+04	
.140	633.1	.116	8.79E+04	
.165	685.7	.128	5.58E+04	
.317	804.6	.179	4.25E+04	
.394	835.5	.202	4.29E+04	
.470	853.8	.224	4.31E+04	
.546	871.4	.246	4.06E+04	
.622	889.1	.266	3.99E+04	
.698	911.6	.287	3.71E+04	
.775	935.7	.306	3.69E+04	
.851	965.3	.325	3.65E+04	
.927	981.1	.343	3.50E+04	
1.003	957.6	.361	3.13E+04	
1.067	871.1	.373	2.40E+04	
1.156	917.1	.388	2.52E+04	
1.232	889.5	.401	2.57E+04	
1.257	904.1	.406	2.80E+04	
1.321	927.3	.418	2.86E+04	
1.384	996.0	.431	3.44E+04	
1.461	1003.8	.449	3.20E+04	
1.511	989.2	.459	2.81E+04	
1.562	969.2	.469	2.85E+04	
1.613	978.8	.479	2.66E+04	
1.689	982.9	.492	2.41E+04	
1.765	977.5	.504	2.24E+04	
1.816	965.5	.511	2.02E+04	
1.867	939.4	.518	2.09E+04	
1.918	918.3	.525	1.94E+04	
1.994	915.6	.535	1.78E+04	
2.070	921.9	.544	1.79E+04	

INEL POST-CHF EXPERIMENT NO. 106

POINT SERIAL NO. 2106.021 (TIME= 119.50 SEC)

[INFERRED VAPOR TEMP]
 LOOP PRESSURE(PE-3) 5.01 MPA
 FCV TEMPERATURE(TE-FCV-1T) 477.3 K
 LHP INLET ENTHALPY 8.726E+05 J/KG
 TEST SECTION:
 PRESSURE .80 MPA
 SAT TEMP 443.70 K
 MASS FLUX 18.24 KG/SEC-M***2
 INLET QUALITY .074
 INLET ENTHALPY 8.726E+05 J/KG
 QUENCH FRONT:
 ELEVATION .120 M
 VELOCITY .0033 M/SEC
 QUALITY .105
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	1.416	840.0	.459	.323

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	462.2	.076	2.26E+04	
.051	489.1	.083	3.21E+04	
.063	468.7	.085	2.56E+04	
.089	503.3	.092	4.70E+04	
.114	602.0	.102	7.16E+04	
.140	633.1	.116	8.79E+04	
.165	685.7	.128	5.58E+04	
.317	804.6	.179	4.25E+04	
.394	835.5	.202	4.29E+04	
.470	853.8	.224	4.31E+04	
.546	871.4	.246	4.06E+04	
.622	889.1	.266	3.99E+04	
.698	911.6	.287	3.71E+04	
.775	935.7	.306	3.69E+04	
.851	965.3	.325	3.65E+04	
.927	981.1	.343	3.50E+04	
1.003	957.6	.361	3.13E+04	
1.067	871.1	.373	2.40E+04	
1.156	917.1	.388	2.52E+04	
1.232	889.5	.401	2.57E+04	
1.257	904.1	.406	2.80E+04	
1.321	927.3	.418	2.86E+04	
1.384	996.0	.431	3.44E+04	
1.461	1003.8	.449	3.20E+04	
1.511	989.2	.459	2.81E+04	
1.562	969.2	.469	2.85E+04	
1.613	978.8	.479	2.66E+04	
1.689	982.9	.492	2.41E+04	
1.765	977.5	.504	2.24E+04	
1.816	965.5	.511	2.02E+04	
1.867	939.4	.518	2.09E+04	
1.918	918.3	.525	1.94E+04	
1.994	915.6	.535	1.78E+04	
2.070	921.9	.544	1.79E+04	

INEL POST-CHF EXPERIMENT NO. 106

POINT SERIAL NO. 3106.020 (TIME= 119.50 SEC)

LOOP PRESSURE (PE-3) 5.01 MPA
 FCV TEMPERATURE (TE-FCV-1T) 477.3 K
 LHP INLET ENTHALPY 8.726E+05 J/KG
 TEST SECTION:
 PRESSURE .80 MPA
 SAT TEMP 443.70 K
 MASS FLUX 18.24 KG/SEC-M**2
 INLET QUALITY .074
 INLET ENTHALPY 8.726E+05 J/KG
 QUENCH FRONT:
 ELEVATION .120 M
 VELOCITY .0033 M/SEC
 QUALITY .105
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.721	826.7	.511	.364

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	462.2	.076	2.26E+04	
.051	489.1	.083	3.21E+04	
.063	468.7	.085	2.56E+04	
.089	503.3	.092	4.70E+04	
.114	602.0	.102	7.16E+04	
.140	633.1	.116	8.79E+04	
.165	685.7	.128	5.58E+04	
.317	804.6	.179	4.25E+04	
.394	835.5	.202	4.29E+04	
.470	853.8	.224	4.31E+04	
.546	871.4	.246	4.06E+04	
.622	889.1	.266	3.99E+04	
.698	911.6	.287	3.71E+04	
.775	935.7	.306	3.69E+04	
.851	965.3	.325	3.65E+04	
.927	981.1	.343	3.50E+04	
1.003	957.6	.361	3.13E+04	
1.067	871.1	.373	2.40E+04	
1.156	917.1	.388	2.52E+04	
1.232	889.5	.401	2.57E+04	
1.257	904.1	.406	2.80E+04	
1.321	927.3	.418	2.86E+04	
1.384	996.0	.431	3.44E+04	
1.461	1003.8	.449	3.20E+04	
1.511	989.2	.459	2.81E+04	
1.562	969.2	.469	2.85E+04	
1.613	978.8	.479	2.66E+04	
1.689	982.9	.492	2.47E+04	
1.765	977.5	.504	2.24E+04	
1.816	965.5	.511	2.02E+04	
1.867	939.4	.518	2.09E+04	
1.918	918.3	.525	1.94E+04	
1.994	915.6	.535	1.78E+04	
2.070	921.9	.544	1.79E+04	

INEL POST-CHF EXPERIMENT NO. 106

POINT SERIAL NO. 2106.031 (TIME= 132.50 SEC)

(INFERRED VAPOR TEMP)
 LOOP PRESSURE (PE-3) 5.03 MPA
 FCV TEMPERATURE (TE-FCV-1T) 477.4 K
 LHP INLET ENTHALPY 8.731E+05 J/KG
 TEST SECTION:
 PRESSURE .80 MPA
 SAT TEMP 443.68 K
 MASS FLUX 18.24 KG/SEC-M**2
 INLET QUALITY .074
 INLET ENTHALPY 8.731E+05 J/KG
 QUENCH FRONT:
 ELEVATION .165 M
 VELOCITY .0037 M/SEC
 QUALITY .120
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	1.372	830.0	.451	.320

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	458.9	.076	2.19E+04	
.051	480.1	.082	2.84E+04	
.063	464.4	.085	2.33E+04	
.089	488.4	.090	3.57E+04	
.114	521.7	.098	5.70E+04	
.140	570.9	.109	6.89E+04	
.165	624.0	.120	6.18E+04	
.317	786.1	.173	4.06E+04	
.394	817.2	.194	4.03E+04	
.470	835.7	.215	4.01E+04	
.546	853.9	.236	3.96E+04	
.622	870.8	.257	4.05E+04	
.698	895.5	.277	3.80E+04	
.775	919.8	.297	3.80E+04	
.851	951.0	.317	3.63E+04	
.927	967.7	.335	3.50E+04	
1.003	947.5	.352	3.16E+04	
1.067	866.4	.365	2.49E+04	
1.156	911.6	.380	2.54E+04	
1.232	882.5	.393	2.61E+04	
1.257	897.0	.398	2.81E+04	
1.321	919.9	.410	2.85E+04	
1.384	984.5	.424	3.39E+04	
1.461	993.9	.441	3.20E+04	
1.511	981.0	.451	2.83E+04	
1.562	962.1	.461	2.84E+04	
1.613	972.9	.471	2.68E+04	
1.689	978.7	.484	2.45E+04	
1.765	974.8	.496	2.28E+04	
1.816	963.7	.504	2.06E+04	
1.867	938.0	.511	2.10E+04	
1.918	918.1	.518	1.96E+04	
1.994	916.5	.528	1.82E+04	
2.070	922.6	.538	1.84E+04	

1.86E+02

INEL POST-CHF EXPERIMENT NO. 106

POINT SERIAL NO. 3106.031 (TIME= 132.50 SEC)
 (INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 5.03 MPA
 FCV TEMPERATURE(TE-FCV-1T) 477.4 K
 LHP INLET ENTHALPY 8.731E+05 J/KG
 TEST SECTION:
 PRESSURE .80 MPA
 SAT TEMP 443.68 K
 MASS FLUX 18.24 KG/SEC-M**2
 INLET QUALITY .074
 INLET ENTHALPY 8.731E+05 J/KG
 QUENCH FRONT:
 ELEVATION .165 M
 VELOCITY .0037 M/SEC
 QUALITY .120
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

(INFERRED VAPOR TEMP)				
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.841	1.676	820.0	.508	.363

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	458.9	.076	2.19E+04	
.051	480.1	.082	2.24E+04	
.063	464.4	.085	2.33E+04	
.089	488.4	.090	3.57E+04	
.114	521.7	.098	5.70E+04	
.140	570.9	.109	6.89E+04	
.165	624.0	.120	6.18E+04	
.317	786.1	.173	4.06E+04	
.394	817.2	.194	4.03E+04	
.470	835.7	.215	4.01E+04	
.546	853.9	.236	3.96E+04	
.622	870.8	.257	4.05E+04	
.698	895.5	.277	3.80E+04	
.775	919.8	.297	3.80E+04	
.851	951.0	.317	3.63E+04	
.927	967.7	.335	3.50E+04	
1.003	947.5	.352	3.16E+04	
1.067	866.4	.365	2.49E+04	
1.156	911.6	.380	2.54E+04	1.86E+02
1.232	882.5	.393	2.61E+04	
1.257	897.0	.398	2.81E+04	
1.321	919.9	.410	2.85E+04	
1.384	984.5	.424	3.39E+04	
1.461	993.9	.441	3.20E+04	
1.511	981.0	.451	2.83E+04	
1.562	962.1	.461	2.84E+04	
1.613	972.9	.471	2.68E+04	
1.689	978.7	.484	2.45E+04	
1.765	974.8	.496	2.28E+04	
1.816	963.7	.504	2.06E+04	
1.867	938.0	.511	2.10E+04	
1.918	918.1	.518	1.96E+04	
1.994	916.5	.528	1.82E+04	
2.070	922.6	.538	1.84E+04	

INEL POST-CHF EXPERIMENT NO. 106

POINT SERIAL NO. 2106.040 (TIME= 171.50 SEC)
 LOOP PRESSURE(PE-3) 4.99 MPA
 FCV TEMPERATURE(TE-FCV-1T) 476.9 K
 LHP INLET ENTHALPY 8.708E+05 J/KG
 TEST SECTION:
 PRESSURE .80 MPA
 SAT TEMP 78 K
 MASS FLUX 18.24 KG/SEC-M**2
 INLET QUALITY .073
 INLET ENTHALPY 8.708E+05 J/KG
 QUENCH FRONT:
 ELEVATION .312 M
 VELOCITY .0038 M/SEC
 QUALITY .134
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

(INFERRED VAPOR TEMP)				
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.537	1.225	736.9	.398	.304

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	448.2	.075	1.95E+04	
.051	457.3	.080	2.02E+04	
.063	453.7	.081	1.94E+04	
.089	463.6	.085	2.02E+04	
.114	458.5	.088	2.03E+04	
.140	452.9	.092	1.97E+04	
.165	456.5	.096	2.29E+04	
.317	633.4	.135	5.27E+04	
.394	738.7	.159	3.98E+04	
.470	760.1	.178	3.24E+04	
.546	781.1	.195	3.11E+04	
.622	794.5	.211	3.04E+04	
.698	821.0	.227	3.22E+04	
.775	844.6	.244	3.29E+04	
.851	879.1	.261	3.43E+04	
.927	898.6	.279	3.41E+04	
1.003	889.4	.296	3.18E+04	
1.067	833.9	.309	2.63E+04	5.82E+00
1.156	877.4	.325	2.67E+04	
1.232	839.3	.340	3.21E+04	
1.257	856.1	.346	2.89E+04	
1.321	881.7	.358	2.69E+04	
1.384	932.6	.370	2.86E+04	
1.461	948.2	.385	2.75E+04	
1.511	942.2	.394	2.54E+04	
1.562	927.6	.403	2.57E+04	
1.613	943.5	.411	2.47E+04	
1.689	955.3	.424	2.38E+04	
1.765	959.1	.436	2.23E+04	
1.816	951.1	.444	2.08E+04	
1.867	929.3	.451	2.13E+04	
1.918	914.6	.458	2.03E+04	
1.994	918.3	.469	1.93E+04	
2.070	921.8	.480	2.65E+04	

INEL POST-CHF EXPERIMENT NO. 106

POINT SERIAL NO. 3106.041 (TIME= 171.50 SEC)
 {INFERRED VAPOR TEMP}
 LOOP PRESSURE(PE-3) 4.99 MPA
 FCV TEMPERATURE(TE-FCV-1T) 476.9 K
 LHP INLET ENTHALPY 8.708E+05 J/KG
 TEST SECTION:
 PRESSURE .80 MPA
 SAT TEMP 443.78 K
 MASS FLUX 18.20 KG/SEC-M**2
 INLET QUALITY .073
 INLET ENTHALPY 8.708E+05 J/KG
 QUENCH FRONT:
 ELEVATION .312 M
 VELOCITY .0038 M/SEC
 QUALITY .134
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 {INFERRED VAPOR TEMP}
 ELEVATION DZQF TV XE XA
 (M) (M) (K) (K) (K)
 1.841 1.529 790.0 .447 .327

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2
 .013 448.2 .075 1.95E+04
 .051 457.3 .080 2.02E+04
 .063 453.7 .081 1.94E+04
 .089 463.6 .085 2.02E+04
 .114 458.5 .088 2.03E+04
 .140 452.9 .092 1.97E+04
 .165 456.5 .096 2.29E+04
 .317 633.4 .135 5.27E+04
 .394 738.7 .159 3.98E+04
 .470 760.0 .178 3.24E+04
 .546 781.1 .195 3.11E+04
 .622 794.5 .211 3.04E+04
 .698 821.0 .227 3.22E+04
 .775 844.6 .244 3.29E+04
 .851 879.1 .261 3.43E+04
 .927 898.6 .279 3.41E+04
 1.003 889.4 .296 3.18E+04
 1.067 833.9 .309 2.63E+04 5.82E+00
 1.156 877.4 .325 2.67E+04
 1.232 839.3 .340 3.21E+04
 1.257 856.1 .346 2.89E+04
 1.321 881.7 .358 2.69E+04
 1.384 932.6 .370 2.86E+04
 1.460 948.2 .385 2.75E+04
 1.511 942.2 .394 2.54E+04
 1.562 927.6 .403 2.57E+04
 1.613 943.5 .411 2.47E+04
 1.689 955.3 .424 2.38E+04
 1.765 959.1 .436 2.23E+04
 1.816 951.1 .444 2.08E+04
 1.867 929.3 .451 2.13E+04
 1.918 914.6 .458 2.03E+04
 1.994 918.3 .469 1.93E+04
 2.070 921.8 .480 2.65E+04

INEL POST-CHF EXPERIMENT NO. 106

POINT SERIAL NO. 2106.050 (TIME= 192.50 SEC)
 LOOP PRESSURE(PE-3) 5.01 MPA
 FCV TEMPERATURE(TE-FCV-1T) 476.6 K
 LHP INLET ENTHALPY 8.692E+05 J/KG
 TEST SECTION:
 PRESSURE .80 MPA
 SAT TEMP 443.78 K
 MASS FLUX 18.20 KG/SEC-M**2
 INLET QUALITY .072
 INLET ENTHALPY 8.692E+05 J/KG
 QUENCH FRONT:
 ELEVATION .390 M
 VELOCITY .0036 M/SEC
 QUALITY .142
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K) (K) (K)
 1.537 1.146 716.2 .407 .316

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2
 .013 446.3 .074 1.91E+04
 .051 454.2 .079 1.95E+04
 .063 451.7 .080 1.92E+04
 .089 460.1 .084 1.97E+04
 .114 455.0 .087 1.97E+04
 .140 450.9 .091 1.91E+04
 .165 453.1 .094 1.94E+04
 .317 477.4 .122 3.37E+04
 .394 619.2 .143 4.78E+04
 .470 731.3 .165 3.58E+04
 .546 756.5 .182 2.96E+04
 .622 772.0 .197 2.90E+04
 .698 795.4 .212 2.92E+04
 .775 817.1 .228 3.08E+04
 .851 848.8 .244 3.17E+04
 .927 869.2 .261 3.15E+04
 1.003 866.5 .276 2.83E+04
 1.067 820.4 .288 2.42E+04
 1.156 862.3 .303 2.55E+04
 1.232 769.1 .329 7.49E+04
 1.257 802.2 .343 9.04E+04
 1.321 865.5 .369 2.66E+04
 1.384 914.2 .380 2.67E+04
 1.460 931.7 .394 2.63E+04
 1.511 927.3 .403 2.43E+04
 1.562 914.7 .411 2.46E+04
 1.613 932.9 .420 2.36E+04
 1.689 946.0 .432 2.25E+04
 1.765 952.5 .443 2.18E+04
 1.816 945.5 .451 2.02E+04
 1.867 924.2 .458 2.17E+04
 1.918 911.8 .465 2.08E+04
 1.994 917.4 .476 1.99E+04
 2.070 855.7 .507 9.77E+04

INEL POST-CHF EXPERIMENT NO. 106

POINT SERIAL NO. 3106.050 (TIME= 195.50 SEC)

LOOP PRESSURE(PE-3) 5.02 MPA
 FCV TEMPERATURE(TE-FCV-1T) 476.5 K
 LHP INLET ENTHALPY 8.691E+05 J/KG
 TEST SECTION:
 PRESSURE .80 MPA
 SAT TEMP 443.74 K
 MASS FLUX 18.19 KG/SEC-M**2
 INLET QUALITY .072
 INLET ENTHALPY 8.691E+05 J/KG
 QUENCH FRONT:
 ELEVATION .401 M
 VELOCITY .0036 M/SEC
 QUALITY .143
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.440	773.5	.454	.336

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	446.2	.074	1.90E+04	
.051	454.0	.079	1.94E+04	
.063	451.6	.080	1.92E+04	
.089	459.9	.084	1.97E+04	
.114	454.7	.087	1.97E+04	
.140	450.7	.091	1.91E+04	
.165	452.9	.094	1.94E+04	
.317	468.0	.120	3.14E+04	
.394	559.4	.141	4.90E+04	
.470	729.3	.164	3.61E+04	
.546	754.7	.181	2.92E+04	
.622	770.3	.196	2.87E+04	
.698	793.6	.211	2.91E+04	
.775	815.2	.226	3.04E+04	
.851	846.5	.242	3.09E+04	
.927	866.9	.258	3.10E+04	
1.003	864.9	.274	2.78E+04	
1.067	819.5	.285	2.40E+04	
1.156	861.3	.300	2.52E+04	
1.232	763.0	.327	7.90E+04	
1.257	797.7	.342	9.58E+04	
1.321	864.3	.369	2.63E+04	
1.384	912.9	.380	2.63E+04	
1.460	930.5	.394	2.58E+04	
1.511	926.1	.403	2.40E+04	
1.562	913.7	.411	2.43E+04	
1.613	932.1	.419	2.35E+04	
1.689	945.3	.431	2.25E+04	
1.765	951.9	.443	2.17E+04	
1.816	945.0	.450	2.02E+04	
1.867	923.7	.457	2.19E+04	
1.918	911.5	.465	2.09E+04	
1.994	917.2	.476	1.99E+04	
2.070	787.0	.508	1.04E+05	

INEL POST-CHF EXPERIMENT NO. 106

POINT SERIAL NO. 2106.061 (TIME= 202.50 SEC)

(INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 4.99 MPA
 FCV TEMPERATURE(TE-FCV-1T) 476.5 K
 LHP INLET ENTHALPY 8.689E+05 J/KG
 TEST SECTION:
 PRESSURE .80 MPA
 SAT TEMP 443.69 K
 MASS FLUX 18.17 KG/SEC-M**2
 INLET QUALITY .072
 INLET ENTHALPY 8.689E+05 J/KG
 QUENCH FRONT:
 ELEVATION .426 M
 VELOCITY .0036 M/SEC
 QUALITY .147
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	1.110	720.0	.411	.318

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	445.9	.074	1.90E+04	
.051	453.6	.079	1.93E+04	
.063	451.3	.080	1.91E+04	
.089	459.4	.084	1.96E+04	
.114	454.2	.087	1.96E+04	
.140	450.4	.090	1.90E+04	
.165	452.5	.094	1.93E+04	
.317	463.1	.116	2.43E+04	
.394	580.6	.137	5.30E+04	
.470	724.4	.160	3.78E+04	
.546	750.6	.178	2.94E+04	
.622	766.5	.193	2.89E+04	
.698	789.5	.208	2.93E+04	
.775	810.9	.224	3.07E+04	
.851	841.9	.240	2.97E+04	
.927	862.4	.255	2.99E+04	
1.003	861.9	.270	2.73E+04	
1.067	817.7	.281	2.32E+04	
1.156	859.1	.296	2.47E+04	2.26E+02
1.232	677.9	.326	9.15E+04	
1.257	737.2	.344	1.13E+05	
1.321	862.2	.374	2.54E+04	
1.384	910.5	.385	2.50E+04	
1.460	928.2	.398	2.48E+04	
1.511	924.1	.407	2.30E+04	
1.562	912.2	.415	2.35E+04	
1.613	930.8	.423	2.27E+04	
1.689	944.2	.434	2.11E+04	
1.765	951.1	.445	2.05E+04	
1.816	944.3	.452	1.92E+04	
1.867	922.7	.459	2.13E+04	
1.918	910.9	.466	2.05E+04	
1.994	917.0	.477	1.92E+04	
2.070	771.3	.514	1.25E+05	

INEL POST-CHF EXPERIMENT NO. 106

POINT SERIAL NO. 3106.061 (TIME= 202.50 SEC)
 {INFERRED VAPOR TEMP}
 LOOP PRESSURE(PE-3) 4.99 MPA
 FCV TEMPERATURE(1E-FCV-1T) 476.5 K
 LHP INLET ENTHALPY 8.689E+05 J/KG
 TEST SECTION:
 PRESSURE .80 MPA
 SAT TEMP 443.69 K
 MASS FLUX 18.17 KG/SEC-M**2
 INLET QUALITY .072
 INLET ENTHALPY 8.689E+05 J/KG
 QUENCH FRONT:
 ELEVATION .426 M
 VELOCITY .0036 M/SEC
 QUALITY .147
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

{INFERRED VAPOR TEMP}				
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
.841	1.415	780.0	.455	.336

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	445.9	.074	1.90E+04	
.051	453.6	.079	1.93E+04	
.063	451.3	.080	1.91E+04	
.089	459.4	.084	1.96E+04	
.114	454.2	.087	1.96E+04	
.140	450.4	.090	1.90E+04	
.165	452.5	.094	1.93E+04	
.317	463.1	.116	2.43E+04	
.394	580.6	.137	5.30E+04	
.470	724.4	.160	3.78E+04	
.546	750.6	.178	2.94E+04	
.622	765.3	.193	2.89E+04	
.698	789.5	.208	2.93E+04	
.775	810.9	.224	3.07E+04	
.851	841.9	.240	2.97E+04	
.927	862.4	.255	2.99E+04	
1.003	861.9	.270	2.73E+04	
1.067	817.7	.281	2.32E+04	
1.156	859.1	.296	2.47E+04	
1.232	677.9	.326	9.15E+04	2.26E+02
1.257	737.2	.344	1.13E+05	
1.321	862.2	.374	2.54E+04	
1.384	910.5	.385	2.50E+04	
1.460	928.2	.398	2.48E+04	
1.511	924.1	.407	2.30E+04	
1.562	912.2	.415	2.35E+04	
1.613	930.8	.423	2.27E+04	
1.689	944.2	.434	2.11E+04	
1.765	951.1	.445	2.05E+04	
1.816	944.3	.452	1.92E+04	
1.867	922.7	.459	2.13E+04	
1.918	910.9	.466	2.05E+04	
1.994	917.0	.477	1.92E+04	
2.070	771.3	.514	1.25E+05	

INEL POST-CHF EXPERIMENT NO. 107

POINT SERIAL NO. 1107.010 (TIME= 242.50 SEC)
 LOOP PRESSURE(PE-3) 5.01 MPA
 FCV TEMPERATURE(1E-FCV-1T) 478.3 K
 LHP INLET ENTHALPY 8.769E+05 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 443.88 K
 MASS FLUX 46.24 KG/SEC-M**2
 INLET QUALITY .076
 INLET ENTHALPY 8.769E+05 J/KG
 QUENCH FRONT:
 ELEVATION .391 M
 VELOCITY .0019 M/SEC
 QUALITY .126
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

{INFERRED VAPOR TEMP}				
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.232	.841	717.6	.243	.188

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	443.8	.077	4.31E+04	
.051	454.0	.082	4.37E+04	
.063	452.3	.083	4.36E+04	
.089	458.9	.086	4.40E+04	
.114	454.1	.089	4.42E+04	
.140	452.2	.092	4.37E+04	
.165	452.9	.095	4.37E+04	
.317	460.4	.113	4.49E+04	
.394	649.8	.126	7.97E+04	
.470	871.3	.140	5.77E+04	
.546	904.2	.152	5.46E+04	
.622	929.2	.163	5.39E+04	
.698	952.7	.174	5.22E+04	
.775	974.1	.185	5.18E+04	
.851	993.0	.195	5.24E+04	
.927	1006.2	.206	5.12E+04	
1.003	1013.9	.216	5.14E+04	
1.067	948.4	.225	4.41E+04	3.88E+03
1.156	1005.2	.235	4.69E+04	1.73E+03
1.232	951.4	.245	4.60E+04	
1.257	964.4	.248	5.05E+04	
1.321	981.4	.257	4.96E+04	
1.384	1039.5	.265	5.06E+04	
1.461	1052.8	.276	5.06E+04	
1.511	1039.7	.283	4.78E+04	
1.562	989.8	.289	5.03E+04	
1.613	1019.5	.296	5.03E+04	
1.689	1048.0	.306	5.00E+04	
1.765	1058.3	.317	4.98E+04	
1.816	1045.3	.323	4.72E+04	
1.867	987.3	.330	4.83E+04	
1.918	988.7	.336	4.92E+04	
1.994	1011.4	.346	4.73E+04	
2.070	1023.6	.356	4.76E+04	

INEL POST-CHF EXPERIMENT NO. 107

POINT SERIAL NO. 2107.010 (TIME= 243.50 SEC)

LOOP PRESSURE{PE-3} 5.01 MPA
 FCV TEMPERATURE{TE-FCV-1T} 478.3 K
 LHP INLET ENTHALPY 8.769E+05 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 443.86 K
 MASS FLUX 46.22 KG/SEC-M**2
 INLET QUALITY .076
 INLET ENTHALPY 8.769E+05 J/KG
 QUENCH FRONT:
 ELEVATION .393 M
 VELOCITY .0019 M/SEC
 QUALITY .126
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	1.144	780.2	.282	.208

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	443.8	.077	4.32E+04	
.051	453.9	.082	4.35E+04	
.063	452.2	.083	4.35E+04	
.089	458.8	.086	4.38E+04	
.114	454.0	.089	4.37E+04	
.140	452.1	.092	4.34E+04	
.165	452.8	.095	4.35E+04	
.317	460.3	.113	4.46E+04	
.394	636.0	.126	7.96E+04	
.470	870.3	.140	5.79E+04	
.546	903.5	.152	5.47E+04	
.622	928.6	.163	5.41E+04	
.698	952.1	.174	5.22E+04	
.775	973.6	.184	5.19E+04	
.851	992.4	.195	5.24E+04	
.927	1005.7	.206	5.10E+04	
1.003	1013.4	.216	5.14E+04	
1.067	948.1	.224	4.40E+04	4.04E+03
1.156	1004.8	.235	4.68E+04	1.77E+03
1.232	951.1	.245	4.61E+04	
1.257	964.0	.248	5.03E+04	
1.321	981.0	.257	4.95E+04	
1.384	1039.1	.265	5.04E+04	
1.461	1052.4	.276	5.05E+04	
1.511	1039.3	.282	4.77E+04	
1.562	989.4	.289	5.00E+04	
1.613	1019.1	.296	5.00E+04	
1.689	1047.6	.306	4.97E+04	
1.765	1057.9	.316	4.96E+04	
1.816	1044.9	.323	4.69E+04	
1.867	987.0	.329	4.80E+04	
1.918	988.4	.336	4.87E+04	
1.994	1011.2	.346	4.72E+04	
2.070	1023.3	.355	4.74E+04	

INEL POST-CHF EXPERIMENT NO. 107

POINT SERIAL NO. 3107.010 (TIME= 243.50 SEC)

LOOP PRESSURE{PE-3} 5.01 MPA
 FCV TEMPERATURE{TE-FCV-1T} 478.3 K
 LHP INLET ENTHALPY 8.769E+05 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 443.86 K
 MASS FLUX 46.22 KG/SEC-M**2
 INLET QUALITY .076
 INLET ENTHALPY 8.769E+05 J/KG
 QUENCH FRONT:
 ELEVATION .393 M
 VELOCITY .0019 M/SEC
 QUALITY .126
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.448	814.4	.323	.232

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	443.8	.077	4.32E+04	
.051	453.9	.082	4.35E+04	
.063	452.2	.083	4.35E+04	
.089	458.8	.086	4.38E+04	
.114	454.0	.089	4.37E+04	
.140	452.1	.092	4.34E+04	
.165	452.8	.095	4.35E+04	
.317	460.3	.113	4.46E+04	
.394	636.0	.126	7.96E+04	
.470	870.3	.140	5.79E+04	
.546	903.5	.152	5.47E+04	
.622	928.6	.163	5.41E+04	
.698	952.1	.174	5.22E+04	
.775	973.6	.184	5.19E+04	
.851	992.4	.195	5.24E+04	
.927	1005.7	.206	5.10E+04	
1.003	1013.4	.216	5.14E+04	
1.067	948.1	.224	4.40E+04	4.04E+03
1.156	1004.8	.235	4.68E+04	1.77E+03
1.232	951.1	.245	4.61E+04	
1.257	964.0	.248	5.03E+04	
1.321	981.0	.257	4.95E+04	
1.384	1039.1	.265	5.04E+04	
1.461	1052.4	.276	5.05E+04	
1.511	1039.3	.282	4.77E+04	
1.562	989.4	.289	5.00E+04	
1.613	1019.1	.296	5.00E+04	
1.689	1047.6	.306	4.97E+04	
1.765	1057.9	.316	4.96E+04	
1.816	1044.9	.323	4.69E+04	
1.867	987.0	.329	4.80E+04	
1.918	988.4	.336	4.87E+04	
1.994	1011.2	.346	4.72E+04	
2.070	1023.3	.355	4.74E+04	

INEL POST-CHF EXPERIMENT NO. 107

POINT SERIAL NO. 1107.030 (TIME= 320.50 SEC)

LOOP PRESSURE(PE-3) 4.99 MPA
 FCV TEMPERATURE(TE-FCV-1T) 478.0 K
 LHP INLET ENTHALPY 8.755E+05 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 443.89 K
 MASS FLUX 45.73 KG/SEC-M**2
 INLET QUALITY .075
 INLET ENTHALPY 8.755E+05 J/KG
 QUENCH FRONT:
 ELEVATION .540 M
 VELOCITY .0019 M/SEC
 QUALITY .144
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.232	.692	678.8	.234	.188

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION			HEAT LOSS W/M**2
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS	
(M)	(K)		W/M**2	W/M**2	
.013	442.2	.076	4.28E+04		
.051	452.5	.081	4.28E+04		
.063	451.2	.082	4.28E+04		
.089	456.8	.085	4.29E+04		
.114	452.9	.088	4.28E+04		
.140	451.7	.091	4.28E+04		
.165	452.4	.094	4.28E+04		
.317	454.2	.112	4.31E+04		
.394	460.3	.121	4.39E+04		
.470	485.6	.131	5.08E+04		
.546	777.9	.145	8.24E+04		
.622	877.5	.159	5.24E+04		
.698	908.2	.169	5.03E+04		
.775	934.0	.180	4.99E+04		
.851	958.1	.190	4.86E+04		
.927	973.9	.200	4.79E+04		
1.003	986.0	.210	4.73E+04		
1.067	926.9	.217	4.15E+04	3.91E+03	
1.156	980.7	.228	4.33E+04	2.08E+03	
1.232	929.7	.237	4.31E+04		
1.257	944.4	.240	4.58E+04		
1.321	965.1	.248	4.51E+04		
1.384	1019.7	.255	4.49E+04		
1.461	1033.3	.265	4.49E+04		
1.511	1021.7	.271	4.21E+04		
1.562	973.8	.277	4.50E+04		
1.613	1003.9	.283	4.49E+04		
1.689	1033.1	.292	4.44E+04		
1.765	1044.9	.301	4.41E+04		
1.816	1032.7	.307	4.11E+04		
1.867	976.0	.313	4.44E+04		
1.918	980.2	.319	4.41E+04		
1.994	1003.7	.328	4.39E+04		
2.070	1017.4	.338	4.37E+04		

INEL POST-CHF EXPERIMENT NO. 107

POINT SERIAL NO. 2107.030 (TIME= 320.50 SEC)

LOOP PRESSURE(PE-3) 4.99 MPA
 FCV TEMPERATURE(TE-FCV-1T) 478.0 K
 LHP INLET ENTHALPY 8.755E+05 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 443.89 K
 MASS FLUX 45.73 KG/SEC-M**2
 INLET QUALITY .075
 INLET ENTHALPY 8.755E+05 J/KG
 QUENCH FRONT:
 ELEVATION .540 M
 VELOCITY .0019 M/SEC
 QUALITY .144
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.537	.997	759.1	.271	.203

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION			HEAT LOSS W/M**2
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS	
(M)	(K)		W/M**2	W/M**2	
.013	442.2	.076	4.28E+04		
.051	452.5	.081	4.28E+04		
.063	451.2	.082	4.28E+04		
.089	456.8	.085	4.29E+04		
.114	452.9	.088	4.28E+04		
.140	451.7	.091	4.28E+04		
.165	452.4	.094	4.28E+04		
.317	454.2	.112	4.31E+04		
.394	460.3	.121	4.39E+04		
.470	485.6	.131	5.08E+04		
.546	777.9	.145	8.24E+04		
.622	877.5	.159	5.24E+04		
.698	908.2	.169	5.03E+04		
.775	934.0	.180	4.99E+04		
.851	958.1	.190	4.86E+04		
.927	973.9	.200	4.79E+04		
1.003	986.0	.210	4.73E+04		
1.067	926.9	.217	4.13E+04	3.91E+03	
1.156	980.7	.228	4.33E+04	2.08E+03	
1.232	929.7	.237	4.31E+04		
1.257	944.4	.240	4.58E+04		
1.321	965.1	.248	4.51E+04		
1.384	1019.7	.255	4.49E+04		
1.460	1033.3	.265	4.49E+04		
1.511	1021.7	.271	4.21E+04		
1.562	973.8	.277	4.50E+04		
1.613	1003.9	.283	4.49E+04		
1.689	1033.1	.292	4.44E+04		
1.765	1044.9	.301	4.41E+04		
1.816	1032.7	.307	4.11E+04		
1.867	976.0	.313	4.44E+04		
1.918	980.2	.319	4.41E+04		
1.994	1003.7	.328	4.39E+04		
2.070	1017.4	.338	4.37E+04		

INEL POST-CHF EXPERIMENT NO. 107

POINT SERIAL NO. 3107.030 (TIME= 320.50 SEC)

LOOP PRESSURE(PE-3) 4.99 MPA
 FCV TEMPERATURE(TE-FCV-1T) 478.0 K
 LHP INLET ENTHALPY 8.755E+05 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 443.89 K
 MASS FLUX 45.73 KG/SEC-M**2
 INLET QUALITY .075
 INLET ENTHALPY 8.755E+05 J/KG
 QUENCH FRONT:
 ELEVATION .540 M
 VELOCITY .0019 M/SEC
 QUALITY .144
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.302	780.4	.307	.227

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	442.2	.076	4.28E+04	
.051	452.5	.081	4.28E+04	
.063	451.2	.082	4.28E+04	
.089	456.8	.085	4.29E+04	
.114	452.9	.088	4.28E+04	
.140	451.7	.091	4.28E+04	
.165	452.4	.094	4.28E+04	
.317	454.2	.112	4.31E+04	
.394	460.3	.121	4.39E+04	
.470	485.6	.131	5.08E+04	
.546	777.9	.145	8.24E+04	
.622	877.5	.159	5.24E+04	
.698	908.2	.169	5.03E+04	
.775	934.0	.180	4.99E+04	
.851	958.1	.190	4.86E+04	
.927	973.9	.200	4.79E+04	
1.003	986.0	.210	4.73E+04	
1.067	926.9	.217	4.13E+04	3.91E+03
1.156	980.7	.228	4.33E+04	2.08E+03
1.232	929.7	.237	4.31E+04	
1.257	944.4	.240	4.58E+04	
1.321	965.1	.248	4.51E+04	
1.384	1019.7	.255	4.49E+04	
1.460	1033.3	.265	4.49E+04	
1.511	1021.7	.271	4.21E+04	
1.562	973.8	.277	4.50E+04	
1.613	1003.9	.283	4.49E+04	
1.689	1033.1	.292	4.44E+04	
1.765	1044.9	.301	4.41E+04	
1.816	1032.7	.307	4.11E+04	
1.867	976.0	.313	4.44E+04	
1.918	980.2	.319	4.41E+04	
1.994	1003.7	.328	4.39E+04	
2.070	1017.4	.338	4.37E+04	

INEL POST-CHF EXPERIMENT NO. 107

POINT SERIAL NO. 1107.040 (TIME= 352.50 SEC)

LOOP PRESSURE(PE-3) 4.99 MPA
 FCV TEMPERATURE(TE-FCV-1T) 478.0 K
 LHP INLET ENTHALPY 8.754E+05 J/KG
 TEST SECTION:
 PRESSURE .80 MPA
 SAT TEMP 443.80 K
 MASS FLUX 45.65 KG/SEC-M**2
 INLET QUALITY .075
 INLET ENTHALPY 8.754E+05 J/KG
 QUENCH FRONT:
 ELEVATION .601 M
 VELOCITY .0019 M/SEC
 QUALITY .151
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.631	640.2	.233	.192

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	441.8	.076	4.25E+04	
.051	452.1	.081	4.27E+04	
.063	450.8	.082	4.27E+04	
.089	455.9	.085	4.28E+04	
.114	452.0	.088	4.26E+04	
.140	451.2	.091	4.27E+04	
.165	451.8	.094	4.27E+04	
.317	452.6	.112	4.28E+04	
.394	456.4	.121	4.32E+04	
.470	470.1	.130	4.48E+04	
.546	497.7	.141	5.80E+04	
.622	778.9	.155	7.89E+04	
.698	890.2	.168	4.94E+04	
.775	919.7	.179	4.78E+04	
.851	946.8	.188	4.76E+04	
.927	964.3	.198	4.70E+04	
1.003	978.2	.208	4.65E+04	
1.067	921.5	.216	4.12E+04	3.85E+03
1.156	974.9	.226	4.36E+04	1.52E+03
1.232	923.7	.235	4.31E+04	
1.257	938.6	.238	4.60E+04	
1.321	961.2	.246	4.54E+04	
1.384	1016.1	.254	4.51E+04	
1.460	1030.3	.263	4.51E+04	
1.511	1019.5	.269	4.19E+04	
1.562	971.5	.275	4.48E+04	
1.613	1002.2	.281	4.44E+04	
1.689	1032.6	.291	4.39E+04	
1.765	1045.0	.300	4.37E+04	
1.816	1033.2	.305	4.09E+04	
1.867	975.4	.311	4.39E+04	
1.918	981.2	.317	4.36E+04	
1.994	1005.1	.326	4.33E+04	
2.070	1019.4	.335	4.32E+04	

INEL POST-CHF EXPERIMENT NO. 107

POINT SERIAL NO. 2107.040 (TIME= 351.50 SEC)

LOOP PRESSURE(PE-3) 5.01 MPA
 FCV TEMPERATURE(TE-FCV-1T) 478.0 K
 LHP INLET ENTHALPY 8.755E+05 J/KG
 TEST SECTION:
 PRESSURE .80 MPA
 SAT TEMP 443.79 K
 MASS FLUX 45.60 KG/SEC-M**2
 INLET QUALITY .075
 INLET ENTHALPY 8.755E+05 J/KG
 QUENCH FRONT:
 ELEVATION .599 M
 VELOCITY .0019 M/SEC
 QUALITY .151
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.537	.937	741.9	.272	.207

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	441.8	.076	4.25E+04	
.051	452.1	.081	4.27E+04	
.063	450.8	.082	4.26E+04	
.089	455.9	.085	4.28E+04	
.114	452.0	.088	4.27E+04	
.140	451.2	.091	4.27E+04	
.165	451.8	.094	4.27E+04	
.317	452.7	.112	4.28E+04	
.394	456.5	.121	4.33E+04	
.470	470.4	.130	4.49E+04	
.546	499.3	.141	5.90E+04	
.622	787.8	.155	7.84E+04	
.698	890.8	.168	4.94E+04	
.775	920.1	.179	4.79E+04	
.851	947.2	.189	4.76E+04	
.927	964.7	.198	4.70E+04	
1.003	978.5	.208	4.65E+04	
1.067	921.7	.216	4.12E+04	3.79E+03
1.156	975.1	.226	4.36E+04	1.52E+03
1.232	923.9	.235	4.31E+04	
1.257	938.8	.238	4.60E+04	
1.321	961.3	.246	4.54E+04	
1.384	1016.3	.254	4.51E+04	
1.460	1030.4	.263	4.49E+04	
1.511	1019.6	.269	4.19E+04	
1.562	971.6	.275	4.48E+04	
1.613	1002.3	.281	4.44E+04	
1.689	1032.6	.291	4.39E+04	
1.765	1045.0	.300	4.37E+04	
1.816	1033.2	.306	4.09E+04	
1.867	975.4	.312	4.39E+04	
1.917	981.2	.318	4.36E+04	
1.994	1005.0	.327	4.33E+04	
2.070	1019.4	.336	4.32E+04	

INEL POST-CHF EXPERIMENT NO. 107

POINT SERIAL NO. 3107.040 (TIME= 352.50 SEC)

LOOP PRESSURE(PE-3) 4.99 MPA
 FCV TEMPERATURE(TE-FCV-1T) 478.0 K
 LHP INLET ENTHALPY 8.754E+05 J/KG
 TEST SECTION:
 PRESSURE .80 MPA
 SAT TEMP 443.80 K
 MASS FLUX 45.65 KG/SEC-M**2
 INLET QUALITY .075
 INLET ENTHALPY 8.754E+05 J/KG
 QUENCH FRONT:
 ELEVATION .601 M
 VELOCITY .0019 M/SEC
 QUALITY .151
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.841	1.240	785.4	.308	.226

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	441.8	.076	4.25E+04	
.051	452.1	.081	4.27E+04	
.063	450.8	.082	4.27E+04	
.089	455.9	.085	4.28E+04	
.114	452.0	.088	4.26E+04	
.140	451.2	.091	4.27E+04	
.165	451.8	.094	4.27E+04	
.317	452.6	.112	4.28E+04	
.394	456.4	.121	4.32E+04	
.470	470.1	.130	4.48E+04	
.546	497.7	.141	5.80E+04	
.622	778.9	.155	7.89E+04	
.698	890.2	.168	4.94E+04	
.775	919.7	.179	4.78E+04	
.851	946.8	.188	4.76E+04	
.927	964.3	.198	4.70E+04	
1.003	978.2	.208	4.65E+04	
1.067	921.5	.216	4.12E+04	3.85E+03
1.156	974.9	.226	4.36E+04	1.52E+03
1.232	923.7	.235	4.31E+04	
1.257	938.6	.238	4.60E+04	
1.321	961.2	.246	4.54E+04	
1.384	1016.1	.254	4.51E+04	
1.460	1030.3	.263	4.51E+04	
1.511	1019.5	.269	4.19E+04	
1.562	971.5	.275	4.48E+04	
1.613	1002.2	.281	4.44E+04	
1.689	1032.6	.291	4.39E+04	
1.765	1045.0	.300	4.37E+04	
1.816	1033.2	.306	4.09E+04	
1.867	975.4	.311	4.39E+04	
1.918	981.2	.317	4.36E+04	
1.994	1005.1	.326	4.33E+04	
2.070	1019.4	.335	4.32E+04	

H-171

INEL POST-CHF EXPERIMENT NO. 107

POINT SERIAL NO. 1107.050 (TIME= 384.50 SEC)

LOOP PRESSURE(PE-3) 4.98 MPA
 FCV TEMPERATURE(TE-FCV-1T) 478.0 K
 LHP INLET ENTHALPY 8.754E+05 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 443.86 K
 MASS FLUX 45.43 KG/SEC-M**2
 INLET QUALITY .075
 INLET ENTHALPY 8.754E+05 J/KG
 QUENCH FRONT:
 ELEVATION .662 M
 VELOCITY .0019 M/SEC
 QUALITY .158
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.570	617.2	.234	.197

WALL TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	441.9	.076	4.26E+04	
.051	451.7	.081	4.27E+04	
.063	450.5	.082	4.27E+04	
.089	455.3	.085	4.27E+04	
.114	452.0	.088	4.26E+04	
.140	451.1	.091	4.28E+04	
.165	451.5	.094	4.27E+04	
.317	451.9	.112	4.28E+04	
.394	454.7	.121	4.30E+04	
.470	463.9	.130	4.38E+04	
.546	474.9	.140	4.58E+04	
.622	491.7	.151	6.47E+04	
.698	850.0	.165	6.88E+04	
.775	901.1	.178	5.05E+04	
.851	931.0	.188	4.91E+04	
.927	951.2	.198	4.80E+04	
1.003	966.6	.208	4.76E+04	
1.067	912.4	.216	4.22E+04	3.80E+03
1.156	966.9	.227	4.49E+04	1.13E+03
1.232	916.3	.236	4.35E+04	
1.257	930.7	.239	4.58E+04	
1.321	955.2	.247	4.56E+04	
1.384	1009.8	.255	4.57E+04	
1.460	1025.6	.264	4.51E+04	
1.511	1015.6	.270	4.22E+04	
1.562	968.5	.277	4.51E+04	
1.613	999.5	.283	4.48E+04	
1.689	1030.8	.292	4.45E+04	
1.765	1044.6	.301	4.39E+04	
1.816	1032.9	.307	4.10E+04	
1.867	974.9	.313	4.40E+04	
1.918	981.4	.319	4.40E+04	
1.994	1005.9	.328	4.36E+04	
2.070	1020.9	.338	4.33E+04	

INEL POST-CHF EXPERIMENT NO. 107

POINT SERIAL NO. 2107.050 (TIME= 384.50 SEC)

LOOP PRESSURE(PE-3) 4.98 MPA
 FCV TEMPERATURE(TE-FCV-1T) 478.0 K
 LHP INLET ENTHALPY 8.754E+05 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 443.86 K
 MASS FLUX 45.43 KG/SEC-M**2
 INLET QUALITY .075
 INLET ENTHALPY 8.754E+05 J/KG
 QUENCH FRONT:
 ELEVATION .662 M
 VELOCITY .0019 M/SEC
 QUALITY .158
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.875	742.1	.273	.208

WALL TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	441.9	.076	4.26E+04	
.051	451.7	.081	4.27E+04	
.063	450.5	.082	4.27E+04	
.089	455.3	.085	4.27E+04	
.114	452.0	.088	4.26E+04	
.140	451.1	.091	4.28E+04	
.165	451.5	.094	4.27E+04	
.317	451.9	.112	4.28E+04	
.394	454.7	.121	4.30E+04	
.470	463.9	.130	4.38E+04	
.546	474.9	.140	4.58E+04	
.622	491.7	.151	6.47E+04	
.698	850.0	.165	6.88E+04	
.775	901.1	.178	5.05E+04	
.851	931.0	.188	4.91E+04	
.927	951.2	.198	4.80E+04	
1.003	966.6	.208	4.76E+04	
1.067	912.4	.216	4.22E+04	3.80E+03
1.156	966.9	.227	4.49E+04	1.13E+03
1.232	916.3	.236	4.35E+04	
1.257	930.7	.239	4.58E+04	
1.321	955.2	.247	4.56E+04	
1.384	1009.8	.255	4.57E+04	
1.460	1025.6	.264	4.51E+04	
1.511	1015.6	.270	4.22E+04	
1.562	968.5	.277	4.51E+04	
1.613	999.5	.283	4.48E+04	
1.689	1030.8	.292	4.45E+04	
1.765	1044.6	.301	4.39E+04	
1.816	1032.9	.307	4.10E+04	
1.867	974.9	.313	4.40E+04	
1.918	981.4	.319	4.40E+04	
1.994	1005.9	.328	4.36E+04	
2.070	1020.9	.338	4.33E+04	

INEL POST-CHF EXPERIMENT NO. 107

POINT SERIAL NO. 3107.050 (TIME= 384.50 SEC)

LOOP PRESSURE(PE-3) 4.98 MPA
 FCV TEMPERATURE(TE-FCV-1T) 478.0 K
 LHP INLET ENTHALPY 8.754E+05 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 443.86 K
 MASS FLUX 45.43 KG/SEC-M**2
 INLET QUALITY .075
 INLET ENTHALPY 8.754E+05 J/KG
 QUENCH FRONT:
 ELEVATION .662 M
 VELOCITY .0019 M/SEC
 QUALITY .158
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.180	776.0	.310	.229

WALL TEMPERATURE MEASUREMENT			LOCATION INFORMATION		HEAT LOSS W/M**2
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2	
.013	441.9	.076	4.26E+04		
.051	451.7	.081	4.27E+04		
.063	450.5	.082	4.27E+04		
.089	455.3	.085	4.27E+04		
.114	452.0	.088	4.26E+04		
.140	451.1	.091	4.28E+04		
.165	451.5	.094	4.27E+04		
.317	451.9	.112	4.28E+04		
.394	454.7	.121	4.30E+04		
.470	463.9	.130	4.38E+04		
.546	474.9	.140	4.58E+04		
.622	491.7	.151	6.47E+04		
.698	850.0	.165	6.88E+04		
.775	901.1	.178	5.05E+04		
.851	931.0	.188	4.91E+04		
.927	951.2	.198	4.80E+04		
1.003	966.6	.208	4.76E+04		
1.067	912.4	.216	4.22E+04	3.80E+03	
1.156	966.9	.227	4.49E+04	1.13E+03	
1.232	916.3	.236	4.35E+04		
1.257	930.7	.239	4.58E+04		
1.321	955.2	.247	4.56E+04		
1.384	1009.8	.255	4.57E+04		
1.460	1025.6	.264	4.51E+04		
1.511	1015.6	.270	4.22E+04		
1.562	968.5	.277	4.51E+04		
1.613	999.5	.283	4.48E+04		
1.689	1030.8	.292	4.45E+04		
1.765	1044.6	.301	4.39E+04		
1.816	1032.9	.307	4.10E+04		
1.867	974.9	.313	4.40E+04		
1.918	981.4	.319	4.40E+04		
1.994	1005.9	.328	4.36E+04		
2.070	1020.9	.338	4.33E+04		

INEL POST-CHF EXPERIMENT NO. 107

POINT SERIAL NO. 2107.060 (TIME= 404.50 SEC)

LOOP PRESSURE(PE-3) 5.00 MPA
 FCV TEMPERATURE(TE-FCV-1T) 477.9 K
 LHP INLET ENTHALPY 8.753E+05 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 443.83 K
 MASS FLUX 45.02 KG/SEC-M**2
 INLET QUALITY .075
 INLET ENTHALPY 8.753E+05 J/KG
 QUENCH FRONT:
 ELEVATION .699 M
 VELOCITY .0019 M/SEC
 QUALITY .162
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.838	716.9	.270	.210

WALL TEMPERATURE MEASUREMENT			LOCATION INFORMATION		HEAT LOSS W/M**2
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2	
.013	441.6	.076	4.27E+04		
.051	451.6	.081	4.26E+04		
.063	450.4	.082	4.27E+04		
.089	455.0	.085	4.27E+04		
.114	451.9	.088	4.27E+04		
.140	450.9	.091	4.27E+04		
.165	451.4	.094	4.27E+04		
.317	451.5	.112	4.28E+04		
.394	453.8	.121	4.29E+04		
.470	461.2	.130	4.33E+04		
.546	468.4	.140	4.44E+04		
.622	465.6	.149	4.59E+04		
.698	692.3	.162	7.92E+04		
.775	885.9	.176	5.09E+04		
.851	920.4	.186	4.80E+04		
.927	943.1	.196	4.68E+04		
1.003	959.4	.206	4.63E+04		
1.067	906.5	.214	4.13E+04	3.78E+03	
1.156	961.3	.224	4.35E+04	1.62E+03	
1.232	911.0	.233	4.33E+04		
1.257	927.4	.237	4.41E+04		
1.321	951.6	.244	4.49E+04		
1.384	1005.9	.252	4.45E+04		
1.460	1023.0	.262	4.39E+04		
1.511	1013.3	.267	4.11E+04		
1.562	966.4	.273	4.36E+04		
1.613	997.8	.280	4.33E+04		
1.689	1029.5	.289	4.30E+04		
1.765	1044.4	.298	4.26E+04		
1.816	1033.0	.303	3.97E+04		
1.867	974.9	.309	4.29E+04		
1.918	981.7	.315	4.23E+04		
1.994	1006.5	.324	4.27E+04		
2.070	1021.8	.333	4.24E+04		

INEL POST-CHF EXPERIMENT NO. 107

POINT SERIAL NO. 3107.060 (TIME= 404.50 SEC)

LOOP PRESSURE(PE-3) 5.00 MPA
 FCV TEMPERATURE(TE-FCV-1T) 477.9 K
 LHP INLET ENTHALPY 8.753E+05 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 443.83 K
 MASS FLUX 45.02 KG/SEC-M**2
 INLET QUALITY .075
 INLET ENTHALPY 8.753E+05 J/KG
 QUENCH FRONT:
 ELEVATION .699 M
 VELOCITY .0019 M/SEC
 QUALITY .162
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.143	776.1	.306	.227

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	441.6	.076	4.27E+04	
.051	451.6	.081	4.26E+04	
.063	450.4	.082	4.27E+04	
.089	455.0	.085	4.27E+04	
.114	451.9	.088	4.27E+04	
.140	450.9	.091	4.27E+04	
.165	451.4	.094	4.27E+04	
.317	451.5	.112	4.28E+04	
.394	453.8	.121	4.29E+04	
.470	461.2	.130	4.33E+04	
.546	468.4	.140	4.44E+04	
.622	465.6	.149	4.59E+04	
.698	692.3	.162	7.92E+04	
.775	885.9	.176	5.09E+04	
.851	920.4	.186	4.80E+04	
.927	943.1	.196	4.68E+04	
1.003	959.4	.206	4.63E+04	
1.067	906.5	.214	4.13E+04	3.78E+03
1.156	961.3	.224	4.35E+04	1.62E+03
1.232	911.0	.233	4.33E+04	
1.257	927.4	.237	4.41E+04	
1.321	951.6	.244	4.49E+04	
1.384	1005.9	.252	4.45E+04	
1.460	1023.0	.262	4.39E+04	
1.511	1013.3	.267	4.11E+04	
1.562	966.4	.273	4.36E+04	
1.613	997.8	.280	4.33E+04	
1.689	1029.5	.289	4.30E+04	
1.765	1044.4	.298	4.26E+04	
1.816	1033.0	.303	3.97E+04	
1.867	974.9	.309	4.29E+04	
1.918	981.7	.315	4.23E+04	
1.994	1006.5	.324	4.27E+04	
2.070	1021.8	.333	4.24E+04	

INEL POST-CHF EXPERIMENT NO. 107

POINT SERIAL NO. 2107.070 (TIME= 445.50 SEC)

LOOP PRESSURE(PE-3) 5.03 MPA
 FCV TEMPERATURE(TE-FCV-1T) 477.9 K
 LHP INLET ENTHALPY 8.752E+05 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 443.90 K
 MASS FLUX 44.91 KG/SEC-M**2
 INLET QUALITY .075
 INLET ENTHALPY 8.752E+05 J/KG
 QUENCH FRONT:
 ELEVATION .777 M
 VELOCITY .0019 M/SEC
 QUALITY .174
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.760	711.1	.280	.218

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	441.6	.076	4.27E+04	
.051	451.2	.081	4.29E+04	
.063	450.2	.082	4.29E+04	
.089	454.6	.085	4.29E+04	
.114	451.2	.088	4.32E+04	
.140	450.8	.091	4.29E+04	
.165	451.3	.094	4.28E+04	
.317	451.1	.113	4.29E+04	
.394	453.0	.122	4.30E+04	
.470	458.7	.131	4.32E+04	
.546	462.1	.140	4.36E+04	
.622	457.1	.149	4.35E+04	
.698	487.0	.159	4.81E+04	
.775	713.8	.174	9.23E+04	
.851	892.8	.189	5.61E+04	
.927	922.2	.201	5.13E+04	
1.003	941.6	.211	5.01E+04	
1.067	895.4	.220	4.45E+04	
1.156	950.4	.231	4.62E+04	
1.232	899.0	.240	4.48E+04	
1.257	917.5	.244	4.85E+04	
1.321	943.1	.252	4.70E+04	
1.384	998.7	.260	4.69E+04	
1.460	1018.1	.270	4.62E+04	
1.511	1009.1	.277	4.33E+04	
1.562	963.1	.283	4.62E+04	
1.613	995.1	.289	4.62E+04	
1.689	1028.3	.292	4.54E+04	
1.765	1044.6	.309	4.50E+04	
1.816	1034.1	.315	4.20E+04	
1.867	976.7	.321	4.44E+04	
1.918	984.2	.327	4.48E+04	
1.994	1009.0	.336	4.41E+04	
2.070	1025.4	.346	4.39E+04	
				2.73E+03
				1.05E+03

INEL POST-CHF EXPERIMENT NO. 107

POINT SERIAL NO. 3107.070 (TIME= 445.50 SEC)

LOOP PRESSURE(PE-3) 5.03 MPA
 FCV TEMPERATURE(TE-FCV-1F) 477.9 K
 LHP INLET ENTHALPY 8.752E+05 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 443.90 K
 MASS FLUX 44.91 KG/SEC-M**2
 INLET QUALITY .075
 INLET ENTHALPY 8.752E+05 J/KG
 QUENCH FRONT:
 ELEVATION .777 M
 VELOCITY .0019 M/SEC
 QUALITY .174
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.065	784.0	.318	.234

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	441.6	.076	4.27E+04	
.051	451.2	.081	4.29E+04	
.063	450.2	.082	4.29E+04	
.089	454.6	.085	4.29E+04	
.114	451.2	.088	4.32E+04	
.140	450.8	.091	4.29E+04	
.165	451.3	.094	4.28E+04	
.317	451.1	.113	4.29E+04	
.394	453.0	.122	4.30E+04	
.470	458.7	.131	4.32E+04	
.546	462.1	.140	4.36E+04	
.622	457.1	.149	4.35E+04	
.698	487.0	.159	4.81E+04	
.775	713.8	.174	9.23E+04	
.851	892.8	.189	5.61E+04	
.927	922.2	.201	5.13E+04	
1.003	941.6	.211	5.01E+04	
1.067	895.4	.220	4.45E+04	2.73E+03
1.156	950.4	.231	4.62E+04	1.05E+03
1.232	899.0	.240	4.48E+04	
1.257	917.5	.244	4.85E+04	
1.321	943.1	.252	4.70E+04	
1.384	998.7	.260	4.69E+04	
1.460	1018.1	.270	4.62E+04	
1.511	1009.1	.277	4.33E+04	
1.562	963.1	.283	4.62E+04	
1.613	995.1	.289	4.62E+04	
1.689	1028.3	.299	4.54E+04	
1.765	1044.6	.309	4.50E+04	
1.816	1034.1	.315	4.20E+04	
1.867	976.7	.321	4.44E+04	
1.918	984.2	.327	4.48E+04	
1.994	1009.0	.336	4.41E+04	
2.070	1025.4	.346	4.39E+04	

INEL POST-CHF EXPERIMENT NO. 107

POINT SERIAL NO. 2107.080 (TIME= 482.50 SEC)

LOOP PRESSURE(PE-3) 5.01 MPA
 FCV TEMPERATURE(TE-FCV-1F) 478.3 K
 LHP INLET ENTHALPY 8.770E+05 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 443.86 K
 MASS FLUX 44.51 KG/SEC-M**2
 INLET QUALITY .076
 INLET ENTHALPY 8.770E+05 J/KG
 QUENCH FRONT:
 ELEVATION .853 M
 VELOCITY .0022 M/SEC
 QUALITY .186
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.683	680.0	.285	.228

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	441.6	.077	4.30E+04	
.051	451.0	.082	4.31E+04	
.063	449.8	.083	4.31E+04	
.089	454.1	.086	4.31E+04	
.114	451.1	.089	4.31E+04	
.140	450.7	.092	4.31E+04	
.165	451.0	.096	4.31E+04	
.317	450.6	.114	4.30E+04	
.394	452.2	.123	4.31E+04	
.470	457.2	.132	4.34E+04	
.546	458.8	.141	4.36E+04	
.622	454.3	.151	4.35E+04	
.698	471.5	.160	4.50E+04	
.775	482.3	.170	5.02E+04	
.851	686.2	.185	8.89E+04	
.927	887.7	.201	5.95E+04	
1.003	914.6	.213	5.19E+04	
1.067	876.3	.222	4.73E+04	1.91E+03
1.156	932.1	.234	4.83E+04	8.75E+02
1.232	881.7	.244	4.68E+04	
1.257	898.0	.247	5.01E+04	
1.321	929.2	.256	4.86E+04	
1.384	984.7	.265	4.88E+04	
1.460	1006.1	.275	4.83E+04	
1.511	997.9	.282	4.54E+04	
1.562	951.6	.288	4.82E+04	
1.613	984.2	.295	4.80E+04	
1.689	1019.6	.305	4.73E+04	
1.765	1037.4	.315	4.70E+04	
1.816	1027.7	.322	4.41E+04	
1.867	972.9	.328	4.64E+04	
1.918	979.1	.335	4.65E+04	
1.994	1006.0	.345	4.58E+04	
2.070	1023.0	.354	4.56E+04	

INEL POST-CHF EXPERIMENT NO. 107

POINT SERIAL NO. 3107.080 (TIME= 482.50 SEC)

LOOP PRESSURE(PE-3) 5.01 MPA
 FCV TEMPERATURE(TE-FCV-1T) 478.3 K
 LHP INLET ENTHALPY 8.770E+05 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 443.86 K
 MASS FLUX 44.51 KG/SEC-M**2
 INLET QUALITY .076
 INLET ENTHALPY 8.770E+05 J/KG
 QUENCH FRONT:
 ELEVATION .853 M
 VELOCITY .0022 M/SEC
 QUALITY .186
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.841 .988 769.8 .325 .241

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013	441.6	.077	4.30E+04	
.051	451.0	.082	4.31E+04	
.063	449.8	.083	4.31E+04	
.089	454.1	.086	4.31E+04	
.114	451.1	.089	4.31E+04	
.140	450.7	.092	4.31E+04	
.165	451.0	.096	4.31E+04	
.317	450.6	.114	4.30E+04	
.394	452.2	.123	4.31E+04	
.470	457.2	.132	4.34E+04	
.546	458.8	.141	4.36E+04	
.622	454.3	.151	4.35E+04	
.698	471.5	.160	4.50E+04	
.775	482.3	.170	5.02E+04	
.851	686.2	.185	8.89E+04	
.927	887.7	.201	5.95E+04	
1.003	914.6	.213	5.19E+04	
1.067	876.3	.222	4.73E+04	1.91E+03
1.156	932.1	.234	4.83E+04	8.75E+02
1.232	881.7	.244	4.68E+04	
1.257	898.0	.247	5.01E+04	
1.321	929.2	.256	4.86E+04	
1.384	984.7	.265	4.88E+04	
1.460	1006.1	.275	4.83E+04	
1.511	997.9	.282	4.54E+04	
1.562	951.6	.288	4.82E+04	
1.613	984.2	.295	4.80E+04	
1.689	1019.6	.305	4.73E+04	
1.765	1037.4	.315	4.70E+04	
1.816	1027.7	.322	4.41E+04	
1.867	972.9	.328	4.64E+04	
1.918	979.1	.335	4.65E+04	
1.994	1006.0	.345	4.58E+04	
2.070	1023.0	.354	4.56E+04	

INEL POST-CHF EXPERIMENT NO. 107

POINT SERIAL NO. 2107.090 (TIME= 504.50 SEC)

LOOP PRESSURE(PE-3) 4.98 MPA
 FCV TEMPERATURE(TE-FCV-1T) 478.2 K
 LHP INLET ENTHALPY 8.764E+05 J/KG
 TEST SECTION:
 PRESSURE .80 MPA
 SAT TEMP 443.78 K
 MASS FLUX 44.67 KG/SEC-M**2
 INLET QUALITY .075
 INLET ENTHALPY 8.764E+05 J/KG
 QUENCH FRONT:
 ELEVATION .901 M
 VELOCITY .0021 M/SEC
 QUALITY .192
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.537 .636 656.8 .284 .233

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013	441.6	.077	4.31E+04	
.051	450.9	.082	4.32E+04	
.063	449.8	.083	4.31E+04	
.089	453.9	.086	4.32E+04	
.114	450.8	.089	4.34E+04	
.140	450.6	.092	4.32E+04	
.165	450.9	.095	4.32E+04	
.317	450.4	.114	4.32E+04	
.394	451.8	.123	4.32E+04	
.470	456.3	.132	4.35E+04	
.546	457.4	.142	4.36E+04	
.622	453.1	.151	4.35E+04	
.698	467.1	.160	4.45E+04	
.775	471.7	.170	4.58E+04	
.851	504.4	.182	6.46E+04	
.927	802.5	.197	8.40E+04	
1.003	897.6	.212	5.22E+04	
1.067	865.2	.221	4.88E+04	
1.156	920.7	.233	4.89E+04	
1.232	869.9	.243	4.63E+04	
1.257	885.9	.247	4.97E+04	
1.321	919.8	.255	4.85E+04	
1.384	974.9	.264	4.86E+04	
1.460	997.4	.274	4.82E+04	
1.511	989.4	.281	4.53E+04	
1.562	943.7	.288	4.82E+04	
1.613	976.9	.294	4.79E+04	
1.689	1013.4	.304	4.71E+04	
1.765	1031.9	.314	4.68E+04	
1.816	1022.8	.321	4.38E+04	
1.867	968.8	.327	4.64E+04	
1.918	975.5	.334	4.62E+04	
1.994	1003.1	.344	4.56E+04	
2.070	1020.5	.353	4.55E+04	

INEL POST-CHF EXPERIMENT NO. 107

POINT SERIAL NO. 3107.090 (TIME= 505.50 SEC)

LOOP PRESSURE(PE-3) 5.03 MPA
 FCV TEMPERATURE(TE-FCV-1T) 478.2 K
 LHP INLET ENTHALPY 8.764E+05 J/KG
 TEST SECTION:
 PRESSURE .80 MPA
 SAT TEMP 443.79 K
 MASS FLUX 44.63 KG/SEC-M**2
 INLET QUALITY .075
 INLET ENTHALPY 8.764E+05 J/KG
 QUENCH FRONT:
 ELEVATION .903 M
 VELOCITY .0021 M/SEC
 QUALITY .192
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	.938	750.5	.324	.245

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	441.6	.077	4.31E+04	
.051	450.9	.082	4.32E+04	
.063	449.8	.083	4.31E+04	
.089	453.9	.086	4.31E+04	
.114	450.7	.089	4.34E+04	
.140	450.6	.092	4.31E+04	
.165	450.9	.095	4.32E+04	
.317	450.4	.114	4.32E+04	
.394	451.8	.123	4.32E+04	
.470	456.2	.132	4.34E+04	
.546	457.4	.141	4.36E+04	
.622	453.0	.151	4.34E+04	
.698	466.9	.160	4.44E+04	
.775	471.3	.170	4.57E+04	
.851	501.5	.181	6.35E+04	
.927	794.1	.197	8.48E+04	
1.003	896.7	.212	5.22E+04	
1.067	864.7	.221	4.88E+04	
1.156	920.2	.233	4.89E+04	
1.232	869.4	.243	4.63E+04	
1.257	885.3	.246	4.98E+04	
1.321	919.3	.255	4.86E+04	
1.384	974.5	.264	4.87E+04	
1.460	997.0	.274	4.83E+04	
1.511	989.0	.281	4.54E+04	
1.562	943.2	.287	4.83E+04	
1.613	976.5	.294	4.79E+04	
1.689	1013.1	.304	4.72E+04	
1.765	1031.6	.314	4.69E+04	
1.816	1022.6	.321	4.39E+04	
1.867	968.5	.327	4.65E+04	
1.918	975.3	.334	4.63E+04	
1.994	1003.0	.344	4.57E+04	
2.070	1020.3	.353	4.55E+04	

INEL POST-CHF EXPERIMENT NO. 107

POINT SERIAL NO. 2107.100 (TIME= 534.50 SEC)

LOOP PRESSURE(PE-3) 5.01 MPA
 FCV TEMPERATURE(TE-FCV-1T) 477.9 K
 LHP INLET ENTHALPY 8.751E+05 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 443.92 K
 MASS FLUX 44.41 KG/SEC-M**2
 INLET QUALITY .075
 INLET ENTHALPY 8.751E+05 J/KG
 QUENCH FRONT:
 ELEVATION .964 M
 VELOCITY .0021 M/SEC
 QUALITY .199
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.573	639.5	.281	.233

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	441.5	.076	4.30E+04	
.051	450.7	.081	4.31E+04	
.063	449.7	.082	4.31E+04	
.089	453.5	.085	4.32E+04	
.114	450.4	.089	4.29E+04	
.140	450.4	.092	4.31E+04	
.165	450.7	.095	4.31E+04	
.317	450.1	.113	4.32E+04	
.394	451.2	.122	4.31E+04	
.470	454.9	.132	4.34E+04	
.546	455.7	.141	4.35E+04	
.622	451.7	.150	4.34E+04	
.698	462.8	.159	4.40E+04	
.775	463.8	.169	4.44E+04	
.851	476.4	.178	4.61E+04	
.927	547.7	.191	7.29E+04	
1.003	863.8	.207	7.36E+04	
1.067	851.3	.218	4.93E+04	
1.156	907.2	.230	4.86E+04	
1.232	856.3	.240	4.57E+04	
1.257	872.6	.243	4.90E+04	
1.321	908.4	.252	4.82E+04	
1.384	962.9	.261	4.83E+04	
1.460	987.1	.271	4.79E+04	
1.511	979.7	.278	4.51E+04	
1.562	935.5	.284	4.72E+04	
1.613	968.9	.291	4.73E+04	
1.689	1007.0	.301	4.69E+04	
1.765	1026.8	.311	4.63E+04	
1.816	1018.2	.317	4.35E+04	
1.867	964.6	.324	4.60E+04	
1.918	972.5	.330	4.60E+04	
1.994	1000.5	.340	4.54E+04	
2.070	1018.7	.350	4.53E+04	

INEL POST-CHF EXPERIMENT NO. 107

POINT SERIAL NO. 3107.100 (TIME= 535.50 SEC)

LOOP PRESSURE(PE-3) 4.98 MPA
 FCV TEMPERATURE(TE-FCV-11) 477.9 K
 LHP INLET ENTHALPY 8.751E+05 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 443.91 K
 MASS FLUX 44.41 KG/SEC-M**2
 INLET QUALITY .075
 INLET ENTHALPY 8.751E+05 J/KG
 QUENCH FRONT:
 ELEVATION .966 M
 VELOCITY .0020 M/SEC
 QUALITY .199
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	.876	744.4	.320	.244

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	441.5	.076	4.30E+04	
.051	450.7	.081	4.31E+04	
.063	449.7	.082	4.31E+04	
.089	453.5	.085	4.31E+04	
.114	450.4	.088	4.29E+04	
.140	450.4	.092	4.31E+04	
.165	450.7	.095	4.31E+04	
.317	450.1	.113	4.32E+04	
.394	451.2	.122	4.31E+04	
.470	454.8	.131	4.33E+04	
.546	455.7	.141	4.35E+04	
.622	451.6	.150	4.34E+04	
.698	462.7	.159	4.40E+04	
.775	463.6	.169	4.44E+04	
.851	476.1	.178	4.60E+04	
.927	540.4	.191	7.16E+04	
1.003	860.3	.207	7.44E+04	
1.067	850.8	.218	4.95E+04	
1.156	906.7	.230	4.86E+04	
1.232	855.8	.240	4.58E+04	
1.257	872.0	.243	4.90E+04	
1.321	908.0	.252	4.82E+04	
1.384	962.5	.261	4.83E+04	
1.460	986.7	.271	4.79E+04	
1.511	979.3	.277	4.50E+04	
1.562	935.2	.284	4.70E+04	
1.613	968.6	.291	4.72E+04	
1.689	1006.7	.301	4.68E+04	
1.765	1026.6	.311	4.64E+04	
1.816	1018.0	.317	4.33E+04	
1.867	964.4	.323	4.60E+04	
1.918	972.3	.330	4.58E+04	
1.994	1000.3	.340	4.54E+04	
2.070	1018.6	.349	4.52E+04	

INEL POST-CHF EXPERIMENT NO. 107

POINT SERIAL NO. 3107.110 (TIME= 556.50 SEC)

LOOP PRESSURE(PE-3) 4.99 MPA
 FCV TEMPERATURE(TE-FCV-11) 478.0 K
 LHP INLET ENTHALPY 8.754E+05 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 443.92 K
 MASS FLUX 44.32 KG/SEC-M**2
 INLET QUALITY .075
 INLET ENTHALPY 8.754E+05 J/KG
 QUENCH FRONT:
 ELEVATION 1.008 M
 VELOCITY .0020 M/SEC
 QUALITY .204
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	.833	728.8	.325	.250

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	441.7	.076	4.30E+04	
.051	450.6	.081	4.32E+04	
.063	449.7	.082	4.32E+04	
.089	453.5	.086	4.31E+04	
.114	450.8	.089	4.32E+04	
.140	450.4	.092	4.31E+04	
.165	450.7	.095	4.32E+04	
.317	450.0	.113	4.32E+04	
.394	451.1	.123	4.32E+04	
.470	454.3	.132	4.32E+04	
.546	455.0	.141	4.33E+04	
.622	451.1	.150	4.33E+04	
.698	460.7	.160	4.38E+04	
.775	460.8	.169	4.40E+04	
.851	469.8	.179	4.49E+04	
.927	495.8	.189	4.91E+04	
1.003	684.0	.203	8.43E+04	
1.067	832.6	.216	6.10E+04	
1.156	894.1	.230	5.09E+04	
1.232	842.5	.241	5.00E+04	
1.257	857.8	.244	5.28E+04	
1.321	897.4	.254	5.01E+04	
1.384	951.4	.263	5.02E+04	
1.460	976.6	.273	4.96E+04	
1.511	969.0	.280	4.73E+04	
1.562	926.6	.287	4.98E+04	
1.613	959.6	.294	4.96E+04	
1.689	998.7	.305	4.91E+04	
1.765	1019.8	.315	4.84E+04	
1.816	1011.6	.322	4.53E+04	
1.867	958.7	.329	4.81E+04	
1.918	966.5	.335	4.81E+04	
1.994	996.1	.346	4.72E+04	
2.070	1014.7	.356	4.70E+04	

INEL POST-CHF EXPERIMENT NO. 107

POINT SERIAL NO. 3107.120 (TIME= 577.50 SEC)

LOOP PRESSURE(PE-3) 5.00 MPA
 FCV TEMPERATURE(TE-FCV-1T) 478.1 K
 LHP INLET ENTHALPY 8.759E+05 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 443.93 K
 MASS FLUX 44.35 KG/SEC-M**2
 INLET QUALITY .075
 INLET ENTHALPY 8.759E+05 J/KG
 QUENCH FRONT:
 ELEVATION 1.056 M
 VELOCITY .0026 M/SEC
 QUALITY .211
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	.786	702.9	.337	.264

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	442.0	.077	4.31E+04	
.051	450.7	.081	4.32E+04	
.063	449.7	.083	4.33E+04	
.089	453.6	.086	4.33E+04	
.114	450.9	.089	4.33E+04	
.140	450.5	.092	4.34E+04	
.165	450.7	.095	4.33E+04	
.317	449.8	.114	4.33E+04	
.394	451.0	.123	4.33E+04	
.470	454.0	.132	4.35E+04	
.546	454.5	.142	4.35E+04	
.622	450.8	.151	4.34E+04	
.698	459.4	.160	4.37E+04	
.775	459.1	.170	4.38E+04	
.851	465.8	.179	4.47E+04	
.927	484.2	.189	4.65E+04	
1.003	489.5	.200	6.08E+04	
1.067	772.4	.213	8.26E+04	
1.156	876.6	.230	5.31E+04	
1.232	807.4	.243	6.57E+04	
1.257	804.6	.249	9.37E+04	
1.321	881.1	.262	5.37E+04	
1.384	935.9	.271	5.30E+04	
1.460	963.2	.282	5.13E+04	
1.511	953.6	.290	4.95E+04	
1.562	907.8	.297	5.64E+04	
1.613	945.5	.305	5.18E+04	
1.689	986.3	.316	5.09E+04	
1.765	1009.1	.327	4.98E+04	
1.816	1001.8	.334	4.65E+04	
1.867	949.0	.341	4.93E+04	
1.918	957.1	.348	4.90E+04	
1.994	988.5	.358	4.85E+04	
2.070	1007.4	.368	4.81E+04	

INEL POST-CHF EXPERIMENT NO. 107

POINT SERIAL NO. 3107.130 (TIME= 600.50 SEC)

LOOP PRESSURE(PE-3) 5.05 MPA
 CV TEMPERATURE(TE-FCV-1T) 478.0 K
 LHP INLET ENTHALPY 8.757E+05 J/KG
 TEST SECTION:
 PRESSURE .80 MPA
 SAT TEMP 443.81 K
 MASS FLUX 44.30 KG/SEC-M**2
 INLET QUALITY .075
 INLET ENTHALPY 8.757E+05 J/KG
 QUENCH FRONT:
 ELEVATION 1.119 M
 VELOCITY .0047 M/SEC
 QUALITY .221
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	.723	682.8	.348	.277

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	442.1	.076	4.31E+04	
.051	450.7	.081	4.33E+04	
.063	449.7	.083	4.32E+04	
.089	453.6	.086	4.33E+04	
.114	450.9	.089	4.32E+04	
.140	450.4	.092	4.33E+04	
.165	450.7	.095	4.32E+04	
.317	449.7	.114	4.32E+04	
.394	450.9	.123	4.33E+04	
.470	453.6	.132	4.36E+04	
.546	454.1	.142	4.36E+04	
.622	450.6	.151	4.35E+04	
.698	458.6	.160	4.38E+04	
.775	458.2	.170	4.40E+04	
.851	463.5	.179	4.46E+04	
.927	479.1	.189	4.60E+04	
1.003	468.9	.199	4.70E+04	
1.067	617.8	.211	8.93E+04	
1.156	864.0	.228	4.89E+04	
1.232	730.3	.242	8.36E+04	
1.257	614.7	.251	1.61E+05	
1.321	867.5	.271	5.75E+04	
1.384	924.1	.281	5.47E+04	
1.460	953.7	.292	5.23E+04	
1.511	942.4	.299	5.07E+04	
1.562	890.1	.308	6.20E+04	
1.613	934.9	.316	5.26E+04	
1.689	977.3	.327	5.13E+04	
1.765	1001.6	.338	4.99E+04	
1.816	995.1	.345	4.64E+04	
1.867	942.1	.351	4.90E+04	
1.918	950.7	.358	4.82E+04	
1.994	982.8	.369	4.84E+04	
2.070	1002.2	.379	4.77E+04	

INEL POST-CHF EXPERIMENT NO. 108

POINT SERIAL NO. 1108.060 (TIME= 232.50 SEC)

LOOP PRESSURE{PE-3} 5.01 MPA
 FCV TEMPERATURE{TE-FCV-1T} 478.8 K
 LHP INLET ENTHALPY 8.793E+05 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 443.90 K
 MASS FLUX 61.84 KG/SEC-M**2
 INLET QUALITY .077
 INLET ENTHALPY 8.793E+05 J/KG
 QUENCH FRONT:
 ELEVATION .549 M
 VELOCITY .0030 M/SEC
 QUALITY .156
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.232	.683	652.4	.256	.209

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	444.1	.078	6.49E+04	
.051	455.8	.083	6.53E+04	
.063	454.7	.085	6.53E+04	
.089	460.8	.089	6.55E+04	
.114	455.7	.092	6.55E+04	
.140	454.8	.095	6.54E+04	
.165	456.5	.099	6.53E+04	
.317	458.1	.119	6.59E+04	
.394	472.0	.129	6.75E+04	
.470	506.2	.141	8.46E+04	
.546	726.2	.155	1.07E+05	
.622	919.3	.171	9.72E+04	
.698	957.8	.184	7.59E+04	
.775	983.4	.196	7.38E+04	
.851	1005.5	.207	7.25E+04	
.92	1020.4	.218	7.12E+04	
1.003	1033.3	.229	7.03E+04	
1.067	972.8	.237	6.22E+04	4.91E+03
1.156	1026.0	.249	6.54E+04	1.80E+03
1.232	962.4	.259	6.38E+04	
1.257	965.9	.262	6.89E+04	
1.321	987.1	.271	6.73E+04	
1.384	1053.6	.279	6.75E+04	
1.460	1071.3	.290	6.69E+04	
1.511	1029.9	.296	6.28E+04	
1.562	450.7	.303	6.57E+04	
1.613	454.5	.310	6.58E+04	
1.689	463.5	.320	6.66E+04	
1.765	465.5	.330	6.68E+04	
1.816	459.8	.337	6.24E+04	
1.867	489.1	.343	6.97E+04	
1.918	472.4	.350	6.73E+04	
1.994	537.4	.361	7.51E+04	
2.070	539.2	.373	7.72E+04	

INEL POST-CHF EXPERIMENT NO. 108

POINT SERIAL NO. 1108.070 (TIME= 255.50 SEC)

LOOP PRESSURE{PE-3} 5.03 MPA
 FCV TEMPERATURE{TE-FCV-1T} 478.8 K
 LHP INLET ENTHALPY 8.792E+05 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 443.83 K
 MASS FLUX 61.90 KG/SEC-M**2
 INLET QUALITY .077
 INLET ENTHALPY 8.792E+05 J/KG
 QUENCH FRONT:
 ELEVATION .626 M
 VELOCITY .0037 M/SEC
 QUALITY .167
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.232	.606	627.6	.260	.217

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	444.2	.078	6.48E+04	
.051	455.1	.083	6.54E+04	
.063	454.1	.085	6.54E+04	
.089	459.7	.088	6.55E+04	
.114	454.8	.092	6.55E+04	
.140	454.4	.095	6.53E+04	
.165	456.0	.098	6.53E+04	
.317	456.3	.119	6.56E+04	
.394	466.5	.129	6.64E+04	
.470	485.3	.139	6.94E+04	
.546	518.4	.151	8.50E+04	
.622	677.6	.166	1.14E+05	
.698	917.4	.183	1.07E+05	
.775	961.1	.198	7.85E+04	
.851	988.1	.209	7.52E+04	
.927	1006.3	.221	7.37E+04	
1.003	1021.5	.232	7.27E+04	
1.067	966.8	.241	6.50E+04	4.45E+03
1.156	1020.4	.253	6.81E+04	1.48E+03
1.232	957.0	.263	6.59E+04	
1.257	958.4	.266	7.06E+04	
1.321	983.6	.275	6.92E+04	
1.384	1048.8	.284	6.95E+04	
1.460	1067.6	.295	6.89E+04	
1.511	1027.0	.302	6.43E+04	
1.562	449.3	.308	6.51E+04	
1.613	452.6	.315	6.57E+04	
1.689	460.1	.325	6.61E+04	
1.765	461.4	.335	6.63E+04	
1.816	456.8	.342	6.18E+04	
1.867	479.2	.348	6.76E+04	
1.918	467.2	.355	6.66E+04	
1.994	514.3	.366	7.14E+04	
2.070	512.9	.377	7.19E+04	

INEL POST-CHF EXPERIMENT NO. 108

POINT SERIAL NO. 1108.090 (TIME= 275.50 SEC)

LOOP PRESSURE(PE-3) 4.99 MPA
 FCV TEMPERATURE(TE-FCV-1T) 478.8 K
 LHP INLET ENTHALPY 8.790E+05 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 443.87 K
 MASS FLUX 61.62 KG/SEC-M**2
 INLET QUALITY .077
 INLET ENTHALPY 8.790E+05 J/KG
 QUENCH FRONT:
 ELEVATION .702 M
 VELOCITY .0039 M/SEC
 QUALITY .179
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.232	.530	606.8	.265	.225

WALL TEMPERATURE MEASUREMENT			LOCATION INFORMATION		HEAT LOSS W/M**2
ELEVATION	TEMP	XE	HEAT FLUX		
(M)	(K)		W/M**2		
.013	444.7	.078	6.51E+04		
.051	454.7	.083	6.54E+04		
.063	453.6	.085	6.54E+04		
.089	458.9	.088	6.55E+04		
.114	454.1	.092	6.55E+04		
.140	454.1	.095	6.53E+04		
.165	455.6	.098	6.54E+04		
.317	455.4	.119	6.56E+04		
.394	463.7	.129	6.61E+04		
.470	477.0	.139	6.76E+04		
.546	492.2	.150	7.10E+04		
.622	497.5	.162	8.85E+04		
.698	734.6	.178	1.26E+05		
.775	917.2	.197	1.11E+05		
.851	966.1	.211	7.97E+04		
.927	989.2	.223	7.66E+04		
1.003	1006.6	.235	7.54E+04		
1.067	957.6	.244	6.76E+04	3.94E+03	
1.156	1011.5	.257	7.10E+04	8.21E+02	
1.232	949.2	.267	6.73E+04		
1.257	949.6	.271	7.16E+04		
1.321	977.6	.280	7.06E+04		
1.384	1041.8	.289	7.09E+04		
1.460	1061.6	.300	7.03E+04		
1.511	1022.5	.307	6.55E+04		
1.562	452.3	.314	6.47E+04		
1.613	451.4	.320	6.55E+04		
1.689	458.0	.330	6.58E+04		
1.765	459.1	.341	6.60E+04		
1.816	455.2	.347	6.15E+04		
1.867	474.2	.354	6.69E+04		
1.918	464.3	.361	6.62E+04		
1.994	501.0	.371	6.96E+04		
2.070	498.8	.382	6.98E+04		

INEL POST-CHF EXPERIMENT NO. 110

POINT SERIAL NO. 1110.040 (TIME= 118.50 SEC)

LOOP PRESSURE(PE-3) 5.03 MPA
 FCV TEMPERATURE(TE-FCV-1T) 426.0 K
 LHP INLET ENTHALPY 6.472E+05 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 444.11 K
 MASS FLUX 50.59 KG/SEC-M**2
 INLET QUALITY -.037
 INLET ENTHALPY 6.472E+05 J/KG
 QUENCH FRONT:
 ELEVATION .322 M
 VELOCITY .0070 M/SEC
 QUALITY .013
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.232	.910	668.7	.156	.126

WALL TEMPERATURE MEASUREMENT			LOCATION INFORMATION		HEAT LOSS W/M**2
ELEVATION	TEMP	XE	HEAT FLUX		
(M)	(K)		W/M**2		
.013	460.4	-.036	4.65E+04		
.051	484.6	-.031	5.27E+04		
.063	465.1	-.030	4.61E+04		
.089	481.9	-.027	4.89E+04		
.114	474.5	-.024	4.79E+04		
.140	465.0	-.021	4.87E+04		
.165	470.7	-.017	6.34E+04		
.317	626.8	.012	9.30E+04		
.394	793.8	.030	9.68E+04		
.470	858.9	.046	7.39E+04		
.546	890.9	.060	7.24E+04		
.622	906.2	.073	6.95E+04		
.698	923.3	.086	6.78E+04		
.775	937.6	.099	6.66E+04		
.851	954.6	.111	6.39E+04		
.927	960.5	.123	6.02E+04		
1.003	942.7	.133	5.35E+04		
1.067	861.0	.141	4.27E+04		9.21E+02
1.156	916.8	.150	4.41E+04		1.04E+02
1.232	881.8	.158	4.29E+04		
1.257	901.2	.161	4.70E+04		
1.321	927.0	.169	4.71E+04		
1.384	996.4	.176	5.38E+04		
1.460	1012.6	.187	5.45E+04		
1.511	1008.4	.193	5.24E+04		
1.562	982.5	.200	5.70E+04		
1.613	1011.6	.207	5.42E+04		
1.689	1032.9	.217	5.26E+04		
1.765	1036.3	.227	5.12E+04		
1.816	1024.4	.233	4.83E+04		
1.867	977.5	.239	5.20E+04		
1.918	960.8	.246	4.62E+04		
1.994	963.6	.254	4.28E+04		
2.070	957.1	.262	4.03E+04		

INEL POST-CHF EXPERIMENT NO. 110

POINT SERIAL NO. 2110.040 (TIME= 117.50 SEC)

LOOP PRESSURE(PE-3) 4.97 MPA
 FCV TEMPERATURE(TE-FCV-1T) 426.0 K
 LHP INLET ENTHALPY 6.472E+05 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 444.10 K
 MASS FLUX 50.63 KG/SEC-M**2
 INLET QUALITY -.037
 INLET ENTHALPY 6.472E+05 J/KG
 QUENCH FRONT:
 ELEVATION .315 M
 VELOCITY .0070 M/SEC
 QUALITY .013
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	DZQF	IV	XE	XA
(M)	(M)	(K)		
1.537	1.222	712.8	.194	.151

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	461.0	-.036	4.67E+04	
.051	486.0	-.031	5.33E+04	
.063	465.6	-.030	4.63E+04	
.089	482.8	-.027	4.94E+04	
.114	475.3	-.023	4.86E+04	
.140	465.9	-.020	4.97E+04	
.165	471.9	-.017	6.74E+04	
.317	665.7	-.014	9.43E+04	
.394	805.8	.031	9.56E+04	
.470	862.4	.047	7.46E+04	
.546	894.1	.061	7.26E+04	
.622	909.1	.074	6.98E+04	
.698	926.0	.087	6.79E+04	
.775	940.1	.100	6.66E+04	
.851	956.8	.112	6.37E+04	
.927	962.3	.124	6.01E+04	
1.003	943.8	.134	5.32E+04	
1.067	861.0	.142	4.25E+04	8.97E+02
1.156	910.8	.151	4.39E+04	1.60E+02
1.232	882.0	.159	4.27E+04	
1.257	901.5	.162	4.69E+04	
1.321	927.4	.170	4.71E+04	
1.384	997.5	.177	5.38E+04	
1.460	1013.8	.188	5.45E+04	
1.511	1009.6	.194	5.24E+04	
1.562	983.9	.201	5.71E+04	
1.613	1012.7	.208	5.43E+04	
1.689	1033.9	.218	5.28E+04	
1.765	1037.1	.228	5.12E+04	
1.816	1025.3	.234	4.83E+04	
1.867	978.4	.240	5.21E+04	
1.918	961.1	.247	4.63E+04	
1.994	963.5	.255	4.28E+04	
2.070	956.8	.263	4.02E+04	

INEL POST-CHF EXPERIMENT NO. 110

POINT SERIAL NO. 3110.040 (TIME= 118.50 SEC)

LOOP PRESSURE(PE-3) 5.03 MPA
 FCV TEMPERATURE(TE-FCV-1T) 426.0 K
 LHP INLET ENTHALPY 6.472E+05 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 444.11 K
 MASS FLUX 50.59 KG/SEC-M**2
 INLET QUALITY -.037
 INLET ENTHALPY 6.472E+05 J/KG
 QUENCH FRONT:
 ELEVATION .322 M
 VELOCITY .0070 M/SEC
 QUALITY .013
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	DZQF	IV	XE	XA
(M)	(M)	(K)		
1.841	1.520	759.7	.233	.175

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	460.4	-.036	4.65E+04	
.051	484.6	-.031	5.27E+04	
.063	465.1	-.030	4.51E+04	
.089	481.9	-.027	4.89E+04	
.114	474.5	-.024	4.79E+04	
.140	465.0	-.021	4.87E+04	
.165	470.7	-.017	6.34E+04	
.317	626.8	.012	9.30E+04	
.394	793.8	.030	9.68E+04	
.470	858.9	.046	7.39E+04	
.546	890.9	.060	7.24E+04	
.622	906.2	.073	6.95E+04	
.698	923.3	.086	6.78E+04	
.775	937.6	.099	6.66E+04	
.851	954.6	.111	6.39E+04	
.927	960.5	.123	6.02E+04	
1.003	942.7	.133	5.35E+04	
1.067	861.0	.141	4.27E+04	9.21E+02
1.156	910.8	.150	4.41E+04	1.04E+02
1.232	881.8	.158	4.29E+04	
1.257	901.2	.161	4.70E+04	
1.321	927.0	.169	4.71E+04	
1.384	996.4	.176	5.38E+04	
1.460	1012.6	.187	5.45E+04	
1.511	1008.4	.193	5.24E+04	
1.562	982.5	.200	5.70E+04	
1.613	1011.6	.207	5.42E+04	
1.689	1032.9	.217	5.26E+04	
1.765	1036.3	.227	5.12E+04	
1.816	1024.4	.233	4.83E+04	
1.867	977.5	.239	5.20E+04	
1.918	960.8	.246	4.62E+04	
1.994	963.6	.254	4.28E+04	
2.070	957.1	.262	4.03E+04	

INEL POST-CHF EXPERIMENT NO. 110

POINT SERIAL NO. 1110.050 (TIME= 129.50 SEC)

LOOP PRESSURE(PE-3) 5.01 MPA
 FCV TEMPERATURE(TE-FCV-1T) 426.1 K
 LHP INLET ENTHALPY 6.476E+05 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 444.16 K
 MASS FLUX 50.15 KG/SEC-M**2
 INLET QUALITY -.037
 INLET ENTHALPY 6.476E+05 J/KG
 QUENCH FRONT:
 ELEVATION .392 M
 VELOCITY .0059 M/SEC
 QUALITY .019
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.840	647.3	.149	.122

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	455.4	-.036	4.51E+04	
.051	473.1	-.031	4.82E+04	
.063	460.9	-.030	4.46E+04	
.089	474.8	-.027	4.61E+04	
.114	468.6	-.024	4.53E+04	
.140	459.3	-.021	4.47E+04	
.165	463.3	-.018	4.56E+04	
.317	526.7	.004	7.27E+04	
.394	665.2	.020	9.16E+04	
.470	818.0	.037	9.16E+04	
.546	857.9	.052	6.86E+04	
.622	876.8	.065	6.55E+04	
.698	894.7	.077	6.58E+04	
.775	910.8	.089	6.42E+04	
.851	930.7	.101	6.28E+04	
.927	940.5	.113	6.06E+04	
1.003	929.3	.124	5.58E+04	
1.067	858.9	.132	4.51E+04	1.55E+03
1.156	908.3	.142	4.68E+04	
1.232	878.4	.151	4.47E+04	
1.257	896.0	.154	4.88E+04	
1.321	921.6	.162	4.89E+04	
1.384	984.1	.170	5.40E+04	
1.460	999.4	.180	5.51E+04	
1.511	994.2	.187	5.36E+04	
1.562	965.5	.194	6.16E+04	
1.613	999.1	.202	5.46E+04	
1.689	1022.3	.212	5.30E+04	
1.765	1027.2	.222	5.16E+04	
1.816	1015.3	.228	4.90E+04	
1.867	967.8	.234	5.15E+04	
1.918	957.5	.241	4.66E+04	
1.994	964.1	.249	4.38E+04	
2.070	960.4	.257	4.15E+04	

INEL POST-CHF EXPERIMENT NO. 110

POINT SERIAL NO. 3110.050 (TIME= 129.50 SEC)

LOOP PRESSURE(PE-3) 5.01 MPA
 FCV TEMPERATURE(TE-FCV-1T) 426.1 K
 LHP INLET ENTHALPY 6.476E+05 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 444.16 K
 MASS FLUX 50.15 KG/SEC-M**2
 INLET QUALITY -.037
 INLET ENTHALPY 6.476E+05 J/KG
 QUENCH FRONT:
 ELEVATION .392 M
 VELOCITY .0059 M/SEC
 QUALITY .019
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.450	735.0	.231	.177

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	455.4	-.036	4.51E+04	
.051	473.1	-.031	4.82E+04	
.063	460.9	-.030	4.46E+04	
.089	474.8	-.027	4.61E+04	
.114	468.6	-.024	4.53E+04	
.140	459.3	-.021	4.47E+04	
.165	463.3	-.018	4.56E+04	
.317	526.7	.004	7.27E+04	
.394	665.2	.020	9.16E+04	
.470	818.0	.037	9.16E+04	
.546	857.9	.052	6.86E+04	
.622	876.8	.065	6.55E+04	
.698	894.7	.077	6.58E+04	
.775	910.8	.089	6.42E+04	
.851	930.7	.101	6.28E+04	
.927	940.5	.113	6.06E+04	
1.003	929.3	.124	5.58E+04	
1.067	858.9	.132	4.51E+04	1.55E+03
1.156	908.3	.142	4.68E+04	
1.232	878.4	.151	4.47E+04	
1.257	896.0	.154	4.88E+04	
1.321	921.6	.162	4.89E+04	
1.384	984.1	.170	5.40E+04	
1.460	999.4	.180	5.51E+04	
1.511	994.2	.187	5.36E+04	
1.562	965.5	.194	6.16E+04	
1.613	999.1	.202	5.46E+04	
1.689	1022.3	.212	5.30E+04	
1.765	1027.2	.222	5.16E+04	
1.816	1015.3	.228	4.90E+04	
1.867	967.8	.234	5.15E+04	
1.918	957.5	.241	4.66E+04	
1.994	964.1	.249	4.38E+04	
2.070	960.4	.257	4.15E+04	

INEL POST-CHF EXPERIMENT NO. 110

POINT SERIAL NO. 1110.060 (TIME= 144.50 SEC)

LOOP PRESSURE(PE-3) 5.04 MPa
 FCV TEMPERATURE(TE-1CV-11) 426.2 K
 LHP INLET ENTHALPY 6.480E+05 J/KG
 TEST SECTION:
 PRESSURE .81 MPa
 SAT TEMP 444.10 K
 MASS FLUX 50.13 KG/SEC-M**2
 INLET QUALITY -.037
 INLET ENTHALPY 6.480E+05 J/KG

QUENCH FRONT:
 ELEVATION .474 M
 VELOCITY .0051 M/SEC
 QUALITY .027
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA	HEAT FLUX W/M**2	HEAT LOSS W/M**2
1.232	.758	637.5	.138	.114		

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	XA	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	451.6	-.035		4.38E+04	
.051	464.9	-.031		4.53E+04	
.063	457.8	-.030		4.37E+04	
.089	469.4	-.024		4.46E+04	
.114	463.9	-.021		4.36E+04	
.165	456.3	-.019		4.39E+04	
.317	473.1	-.001		4.88E+04	
.394	506.1	.010		6.67E+04	
.470	670.7	.026		1.03E+05	
.546	815.1	.043		7.92E+04	
.622	844.5	.056		6.15E+04	
.698	862.0	.068		6.08E+04	
.775	880.3	.079		5.99E+04	
.851	900.5	.091		6.14E+04	
.927	913.9	.102		5.89E+04	
1.003	910.8	.113		5.48E+04	
1.067	851.7	.121		4.60E+04	
1.156	901.6	.131		4.82E+04	
1.232	871.0	.140		4.58E+04	
1.321	912.5	.151		4.94E+04	
1.384	967.4	.159		5.36E+04	
1.460	981.9	.169		5.37E+04	
1.511	971.7	.176		5.64E+04	
1.562	829.0	.191		1.75E+05	
1.613	973.4	.207		8.54E+04	
1.689	1004.4	.221		5.77E+04	
1.765	1012.7	.231		5.47E+04	
1.816	1000.6	.238		5.18E+04	
1.867	955.0	.245		5.24E+04	
1.918	952.0	.251		4.82E+04	
1.994	962.8	.260		4.54E+04	
2.070	962.5	.268		4.35E+04	

2.19E+03

INEL POST-CHF EXPERIMENT NO. 110

POINT SERIAL NO. 3110.061 (TIME= 144.50 SEC)

{ INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 5.04 MPa
 FCV TEMPERATURE(TE-1CV-11) 426.2 K
 LHP INLET ENTHALPY 6.480E+05 J/KG
 TEST SECTION:
 PRESSURE .81 MPa
 SAT TEMP 444.10 K
 MASS FLUX 50.13 KG/SEC-M**2
 INLET QUALITY -.037
 INLET ENTHALPY 6.480E+05 J/KG

QUENCH FRONT:
 ELEVATION .474 M
 VELOCITY .0051 M/SEC
 QUALITY .027
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA	HEAT FLUX W/M**2	HEAT LOSS W/M**2
1.841	1.368	700.0	.241	.190		

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	XA	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	451.6	-.035		4.38E+04	
.051	464.9	-.031		4.53E+04	
.063	457.8	-.030		4.37E+04	
.089	469.4	-.027		4.46E+04	
.114	463.9	-.024		4.46E+04	
.140	456.3	-.021		4.36E+04	
.165	459.1	-.019		4.39E+04	
.317	473.1	-.001		4.88E+04	
.394	506.1	.010		6.67E+04	
.470	670.7	.026		1.01E+05	
.546	815.1	.043		7.92E+04	
.622	844.5	.056		6.15E+04	
.698	862.0	.068		6.08E+04	
.775	880.3	.079		5.99E+04	
.851	900.5	.091		6.14E+04	
.927	913.9	.102		5.89E+04	
1.003	910.8	.113		5.48E+04	
1.067	851.7	.121		4.60E+04	
1.156	901.6	.131		4.82E+04	
1.232	871.0	.140		4.58E+04	
1.321	912.5	.151		4.84E+04	
1.384	967.4	.159		4.94E+04	
1.460	981.9	.169		5.36E+04	
1.511	971.7	.176		5.37E+04	
1.562	829.0	.191		5.64E+04	
1.613	973.4	.207		1.75E+05	
1.689	1004.4	.221		8.54E+04	
1.765	1012.7	.231		5.77E+04	
1.816	1000.6	.238		5.47E+04	
1.867	955.0	.245		5.18E+04	
1.918	952.0	.251		5.24E+04	
1.994	962.8	.260		4.82E+04	
2.070	962.5	.268		4.54E+04	

2.19E+03

INEL POST-CHF EXPERIMENT NO. 110

POINT SERIAL NO. 1110.070 (TIME= 159.50 SEC)

LOOP PRESSURE{PE-3} 4.99 MPA
 FCV TEMPERATURE{TE-FCV-1T} 426.2 K
 LHP INLET ENTHALPY 6.483E+05 J/KG
 TEST SECTION:
 PRESSURE .81 MPA
 SAT TEMP 444.12 K
 MASS FLUX 50.16 KG/SEC-M**2
 INLET QUALITY -.037
 INLET ENTHALPY 6.483E+05 J/KG
 QUENCH FRONT:
 ELEVATION .547 M
 VELOCITY .0047 M/SEC
 QUALITY .034
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.685	628.3	.131	.109

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	449.3	-.035	4.35E+04	
.051	460.7	-.031	4.41E+04	
.063	455.9	-.030	4.33E+04	
.089	466.0	-.027	4.40E+04	
.114	460.7	-.024	4.40E+04	
.140	454.7	-.022	4.32E+04	
.165	457.0	-.019	4.33E+04	
.317	464.7	-.002	4.54E+04	
.394	485.2	.007	4.68E+04	
.470	525.1	.018	7.55E+04	
.546	684.6	.034	8.83E+04	
.622	815.1	.050	7.67E+04	
.698	836.3	.062	5.77E+04	
.775	855.0	.073	5.83E+04	
.851	873.6	.084	5.88E+04	
.927	891.3	.095	5.62E+04	
1.003	893.4	.106	5.36E+04	
1.067	842.8	.113	4.60E+04	2.69E+03
1.156	893.1	.124	4.87E+04	1.37E+02
1.232	863.2	.133	4.57E+04	
1.257	880.7	.136	4.79E+04	
1.321	903.0	.143	4.98E+04	
1.384	952.0	.152	5.28E+04	
1.460	966.8	.162	5.25E+04	
1.511	941.1	.169	6.38E+04	
1.562	592.8	.184	1.68E+05	
1.613	824.8	.206	1.82E+05	
1.689	973.4	.229	6.97E+04	
1.765	990.9	.242	6.03E+04	
1.816	979.0	.249	5.67E+04	
1.867	934.1	.257	6.45E+04	
1.918	941.0	.264	5.37E+04	
1.994	957.4	.274	4.92E+04	
2.070	960.4	.283	4.70E+04	

INEL POST-CHF EXPERIMENT NO. 111

POINT SERIAL NO. 1111.010 (TIME= 227.50 SEC)

LOOP PRESSURE{PE-3} 12.01 MPA
 FCV TEMPERATURE{TE-FCV-1T} 564.9 K
 LHP INLET ENTHALPY 1.296E+06 J/KG
 TEST SECTION:
 PRESSURE .34 MPA
 SAT TEMP 411.47 K
 MASS FLUX 18.88 KG/SEC-M**2
 INLET QUALITY .332
 INLET ENTHALPY 1.296E+06 J/KG
 QUENCH FRONT:
 ELEVATION .283 M
 VELOCITY .0018 M/SEC
 QUALITY .366
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.949	687.5	.495	.391

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	425.2	.333	1.46E+04	
.051	428.8	.337	1.48E+04	
.063	425.9	.338	1.47E+04	
.089	435.1	.340	1.48E+04	
.114	429.0	.343	1.51E+04	
.140	426.2	.345	1.47E+04	
.165	427.8	.347	1.50E+04	
.317	753.0	.371	3.50E+04	
.394	817.5	.386	2.52E+04	
.470	853.9	.398	2.48E+04	
.546	883.0	.409	2.47E+04	
.622	900.8	.421	2.40E+04	
.698	920.3	.432	2.34E+04	
.775	933.7	.443	2.29E+04	
.851	945.0	.454	2.17E+04	
.927	947.0	.464	2.12E+04	
1.003	929.2	.474	1.92E+04	
1.067	849.0	.481	1.57E+04	8.87E+02
1.156	887.3	.490	1.61E+04	1.69E+02
1.232	851.1	.497	1.58E+04	
1.257	865.4	.500	1.64E+04	
1.321	876.5	.507	1.76E+04	
1.384	941.1	.514	1.83E+04	
1.461	974.5	.523	1.90E+04	
1.511	974.8	.529	1.80E+04	
1.562	948.1	.535	1.89E+04	
1.613	967.2	.541	1.90E+04	
1.689	996.5	.550	1.90E+04	
1.765	1009.0	.559	1.83E+04	
1.816	994.5	.564	1.67E+04	
1.867	954.5	.570	1.73E+04	
1.918	943.9	.575	1.61E+04	
1.994	944.9	.583	1.55E+04	
2.070	928.3	.589	1.50E+04	

INEL POST-CHF EXPERIMENT NO. 111

POINT SERIAL NO. 2111.010 (TIME= 225.50 SEC)

LOOP PRESSURE (PE-3) 12.00 MPA
 FCV TEMPERATURE (TE-FCV-11) 564.9 K
 LHP INLET ENTHALPY 1.296E+06 J/KG
 TEST SECTION:
 PRESSURE .34 MPA
 SAT TEMP 411.47 K
 MASS FLUX 18.85 KG/SEC-M**2
 INLET QUALITY .332
 INLET ENTHALPY 1.296E+06 J/KG
 QUENCH FRONT:
 ELEVATION .279 M
 VELOCITY .0018 M/SEC
 QUALITY .365
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION	DZQF TV	XE	XA
(M)	(M) (K)		
1.537	1.258 780.7	.531	.391

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	425.2	.334	1.46E+04	
.051	428.9	.337	1.49E+04	
.063	426.0	.338	1.47E+04	
.089	435.1	.341	1.47E+04	
.114	429.1	.343	1.50E+04	
.140	426.2	.345	1.47E+04	
.165	427.8	.348	1.49E+04	
.317	754.7	.372	3.50E+04	
.394	818.7	.386	2.56E+04	
.470	855.1	.398	2.51E+04	
.546	884.1	.410	2.51E+04	
.622	901.8	.422	2.43E+04	
.698	921.2	.433	2.36E+04	
.775	934.6	.445	2.30E+04	
.851	945.7	.455	2.21E+04	
.927	947.7	.466	2.14E+04	
1.003	929.7	.476	1.94E+04	
1.067	849.3	.483	1.58E+04	6.93E+02
1.156	887.5	.492	1.62E+04	1.43E+02
1.232	851.3	.499	1.59E+04	
1.257	865.6	.502	1.68E+04	
1.321	876.8	.509	1.78E+04	
1.384	941.5	.516	1.85E+04	
1.461	975.0	.525	1.92E+04	
1.511	975.3	.531	1.85E+04	
1.562	948.6	.537	1.97E+04	
1.613	967.7	.543	1.97E+04	
1.689	997.0	.553	1.97E+04	
1.765	1009.4	.562	1.89E+04	
1.816	994.8	.568	1.72E+04	
1.867	954.8	.574	1.78E+04	
1.918	944.1	.579	1.67E+04	
1.994	945.0	.587	1.57E+04	
2.070	928.1	.594	1.29E+04	

INEL POST-CHF EXPERIMENT NO. 111

POINT SERIAL NO. 3111.010 (TIME= 227.50 SEC)

LOOP PRESSURE (PE-3) 12.01 MPA
 FCV TEMPERATURE (TE-FCV-11) 564.9 K
 LHP INLET ENTHALPY 1.296E+06 J/KG
 TEST SECTION:
 PRESSURE .34 MPA
 SAT TEMP 411.47 K
 MASS FLUX 18.88 KG/SEC-M**2
 INLET QUALITY .332
 INLET ENTHALPY 1.296E+06 J/KG
 QUENCH FRONT:
 ELEVATION .283 M
 VELOCITY .0018 M/SEC
 QUALITY .366
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION	DZQF TV	XE	XA
(M)	(M) (K)		
1.841	1.559 851.6	.564	.394

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	425.2	.333	1.46E+04	
.051	428.8	.337	1.48E+04	
.063	425.9	.338	1.47E+04	
.089	435.1	.340	1.48E+04	
.114	429.0	.343	1.51E+04	
.140	426.2	.345	1.47E+04	
.165	427.8	.347	1.50E+04	
.317	753.0	.371	3.50E+04	
.394	817.5	.386	2.52E+04	
.470	853.9	.398	2.48E+04	
.546	883.0	.409	2.47E+04	
.622	900.8	.421	2.40E+04	
.698	920.3	.432	2.34E+04	
.775	933.7	.443	2.29E+04	
.851	945.0	.454	2.17E+04	
.927	947.0	.464	2.12E+04	
1.003	929.2	.474	1.92E+04	
1.067	849.0	.481	1.57E+04	
1.156	887.3	.490	1.61E+04	8.87E+02
1.232	851.1	.497	1.58E+04	1.69E+02
1.257	865.4	.500	1.64E+04	
1.321	876.5	.507	1.76E+04	
1.384	941.1	.514	1.83E+04	
1.460	974.5	.523	1.90E+04	
1.511	974.8	.529	1.80E+04	
1.562	948.1	.535	1.89E+04	
1.613	967.2	.541	1.90E+04	
1.689	996.5	.550	1.90E+04	
1.765	1009.0	.559	1.83E+04	
1.816	994.5	.564	1.67E+04	
1.867	954.5	.570	1.73E+04	
1.918	943.9	.575	1.61E+04	
1.994	944.9	.583	1.55E+04	
2.070	928.3	.589	1.30E+04	

INEL POST-CHF EXPERIMENT NO. 111

POINT SERIAL NO. 1111.020 (TIME= 246.50 SEC)

LOOP PRESSURE(PE-3) 11.92 MPA
 FCV TEMPERATURE(TE-FCV-1T) 565.6 K
 LHP INLET ENTHALPY 1.300E+06 J/KG
 TEST SECTION:
 PRESSURE .36 MPA
 SAT TEMP 412.66 K
 MASS FLUX 18.96 KG/SEC-M**2
 INLET QUALITY .333
 INLET ENTHALPY 1.300E+06 J/KG
 QUENCH FRONT:
 ELEVATION .317 M
 VELOCITY .0018 M/SEC
 QUALITY .371
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE XA
1.232	.915	674.8	.497 .396

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		HEAT FLUX W/M**2	HEAT LOSS W/M**2
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2		
.013	424.7	.334	1.46E+04		
.051	428.3	.338	1.46E+04		
.063	425.5	.339	1.46E+04		
.089	434.1	.341	1.48E+04		
.114	427.8	.344	1.49E+04		
.140	425.5	.346	1.46E+04		
.165	426.8	.348	1.47E+04		
.317	653.2	.372	3.38E+04		
.394	798.1	.386	2.63E+04		
.470	836.5	.398	2.50E+04		
.546	866.8	.410	2.46E+04		
.622	885.7	.422	2.39E+04		
.698	906.4	.433	2.32E+04		
.775	920.7	.444	2.27E+04		
.851	933.1	.455	2.20E+04		
.927	936.7	.465	2.12E+04		
1.003	921.7	.475	1.95E+04		
1.067	845.3	.482	1.60E+04	8.67E+02	
1.156	883.9	.491	1.65E+04	2.16E+02	
1.232	847.7	.498	1.60E+04		
1.257	861.4	.501	1.73E+04		
1.321	871.8	.508	1.77E+04		
1.384	935.1	.515	1.84E+04		
1.460	967.9	.524	1.89E+04		
1.511	967.8	.530	1.82E+04		
1.562	941.0	.536	1.93E+04		
1.613	959.7	.542	1.94E+04		
1.689	989.6	.551	1.91E+04		
1.765	1003.3	.560	1.84E+04		
1.816	989.5	.566	1.70E+04		
1.867	950.6	.571	1.75E+04		
1.918	940.6	.577	1.69E+04		
1.994	943.4	.585	1.58E+04		
2.070	910.5	.601	5.36E+04		

INEL POST-CHF EXPERIMENT NO. 111

POINT SERIAL NO. 2111.020 (TIME= 246.50 SEC)

LOOP PRESSURE(PE-3) 11.92 MPA
 FCV TEMPERATURE(TE-FCV-1T) 565.6 K
 LHP INLET ENTHALPY 1.300E+06 J/KG
 TEST SECTION:
 PRESSURE .36 MPA
 SAT TEMP 412.66 K
 MASS FLUX 18.96 KG/SEC-M**2
 INLET QUALITY .333
 INLET ENTHALPY 1.300E+06 J/KG
 QUENCH FRONT:
 ELEVATION .317 M
 VELOCITY .0018 M/SEC
 QUALITY .371
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE XA
1.537	1.220	766.0	.530 .394

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		HEAT FLUX W/M**2	HEAT LOSS W/M**2
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2		
.013	424.7	.334	1.46E+04		
.051	428.3	.338	1.46E+04		
.063	425.5	.339	1.46E+04		
.089	434.1	.341	1.48E+04		
.114	427.8	.344	1.49E+04		
.140	425.5	.346	1.46E+04		
.165	426.8	.348	1.47E+04		
.317	653.2	.372	3.38E+04		
.394	798.1	.386	2.63E+04		
.470	836.5	.398	2.50E+04		
.546	866.8	.410	2.46E+04		
.622	885.7	.422	2.39E+04		
.698	906.4	.433	2.32E+04		
.775	920.7	.444	2.27E+04		
.851	933.1	.455	2.20E+04		
.927	936.7	.465	2.12E+04		
1.003	921.7	.475	1.95E+04		
1.067	845.3	.482	1.60E+04	8.67E+02	
1.156	883.9	.491	1.65E+04	2.16E+02	
1.232	847.7	.498	1.60E+04		
1.257	861.4	.501	1.73E+04		
1.321	871.8	.508	1.77E+04		
1.384	935.1	.515	1.84E+04		
1.460	967.9	.524	1.89E+04		
1.511	967.8	.530	1.82E+04		
1.562	941.0	.536	1.93E+04		
1.613	959.7	.542	1.94E+04		
1.689	989.6	.551	1.91E+04		
1.765	1003.3	.560	1.84E+04		
1.816	989.5	.566	1.70E+04		
1.867	950.6	.571	1.75E+04		
1.918	940.6	.577	1.69E+04		
1.994	943.4	.585	1.58E+04		
2.070	910.5	.601	5.36E+04		

INEL POST-CHF EXPERIMENT NO. 111

POINT SERIAL NO. 3111.020 (TIME= 248.50 SEC)

LOOP PRESSURE(PE-3) 11.91 MPA
 FCV TEMPERATURE(TE-FCV-11) 565.7 K
 LHP INLET ENTHALPY 1.301E+06 J/KG
 TEST SECTION:
 PRESSURE .36 MPA
 SAT TEMP 412.64 K
 MASS FLUX 18.90 KG/SEC-M**2
 INLET QUALITY .333
 INLET ENTHALPY 1.301E+06 J/KG
 QUENCH FRONT:
 ELEVATION .320 M
 VELOCITY .0018 M/SEC
 QUALITY .372
 NET LHP POWER TO FLUID 6.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	DZQF (M)	IV (K)	XE	XA
1.841	1.521	842.7	.567	.398

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	424.6	.334	1.46E+04	
.051	428.2	.338	1.46E+04	
.063	425.4	.339	1.46E+04	
.089	434.0	.341	1.49E+04	
.114	427.7	.344	1.49E+04	
.140	425.4	.346	1.46E+04	
.165	426.7	.349	1.47E+04	
.317	612.2	.371	3.32E+04	
.394	795.4	.386	2.72E+04	
.470	834.2	.398	2.50E+04	
.546	864.6	.410	2.44E+04	
.622	883.6	.422	2.39E+04	
.698	904.6	.433	2.31E+04	
.775	919.0	.444	2.27E+04	
.851	931.6	.455	2.20E+04	
.927	935.3	.465	2.12E+04	
1.003	920.7	.475	1.95E+04	
1.067	844.8	.482	1.61E+04	8.65E+02
1.156	883.4	.491	1.65E+04	2.32E+02
1.232	847.2	.499	1.60E+04	
1.257	860.8	.501	1.74E+04	
1.321	871.1	.508	1.77E+04	
1.384	934.3	.516	1.85E+04	
1.460	967.0	.525	1.89E+04	
1.511	966.9	.531	1.81E+04	
1.562	940.0	.537	1.93E+04	
1.613	958.7	.543	1.94E+04	
1.689	988.7	.552	1.91E+04	
1.765	1002.5	.561	1.85E+04	
1.816	988.9	.567	1.70E+04	
1.867	950.0	.572	1.75E+04	
1.918	940.2	.578	1.69E+04	
1.994	943.2	.585	1.59E+04	
2.070	899.6	.605	6.74E+04	

INEL POST-CHF EXPERIMENT NO. 111

POINT SERIAL NO. 1111.030 (TIME= 267.50 SEC)

LOOP PRESSURE(PE-3) 12.01 MPA
 FCV TEMPERATURE(TE-FCV-11) 566.3 K
 LHP INLET ENTHALPY 1.304E+06 J/KG
 TEST SECTION:
 PRESSURE .35 MPA
 SAT TEMP 412.43 K
 MASS FLUX 18.78 KG/SEC-M**2
 INLET QUALITY .335
 INLET ENTHALPY 1.304E+06 J/KG
 QUENCH FRONT:
 ELEVATION .354 M
 VELOCITY .0018 M/SEC
 QUALITY .377
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	DZQF (M)	IV (K)	XE	XA
1.232	.878	657.3	.501	.405

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	424.1	.336	1.45E+04	
.051	427.4	.339	1.46E+04	
.063	424.8	.340	1.46E+04	
.089	432.7	.343	1.48E+04	
.114	426.3	.345	1.47E+04	
.140	424.6	.347	1.45E+04	
.165	425.8	.350	1.46E+04	
.317	466.7	.369	2.55E+04	
.394	765.7	.386	4.33E+04	
.470	812.5	.402	2.48E+04	
.546	844.8	.414	2.40E+04	
.622	865.2	.425	2.34E+04	
.698	887.8	.436	2.28E+04	
.775	903.0	.447	2.24E+04	
.851	917.0	.458	2.18E+04	
.927	922.4	.468	2.11E+04	
1.003	910.8	.478	1.97E+04	
1.067	839.4	.485	1.63E+04	
1.156	878.3	.495	1.68E+04	9.51E+02
1.232	842.3	.503	1.64E+04	4.52E+02
1.257	855.1	.505	1.79E+04	
1.321	865.1	.512	1.76E+04	
1.384	926.8	.520	1.84E+04	
1.460	958.8	.529	1.89E+04	
1.511	958.4	.535	1.80E+04	
1.562	931.3	.541	1.93E+04	
1.613	949.8	.547	1.93E+04	
1.689	980.3	.556	1.91E+04	
1.765	995.1	.565	1.86E+04	
1.816	982.5	.571	1.72E+04	
1.867	944.6	.576	1.76E+04	
1.918	935.8	.582	1.73E+04	
1.994	940.8	.590	1.63E+04	
2.070	735.7	.617	9.34E+04	

INEL POST-CHF EXPERIMENT NO. 111

POINT SERIAL NO. 2111.030 (TIME= 268.50 SEC)

LOOP PRESSURE(PE-3) 12.02 MPA
 FCV TEMPERATURE(TE-FCV-1T) 566.3 K
 LHP INLET ENTHALPY 1.304E+06 J/KG
 TEST SECTION:
 PRESSURE .35 MPA
 SAT TEMP 412.44 K
 MASS FLUX 18.79 KG/SEC-M**2
 INLET QUALITY .335
 INLET ENTHALPY 1.304E+06 J/KG
 QUENCH FRONT:
 ELEVATION .356 M
 VELOCITY .0018 M/SEC
 QUALITY .377
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)
 1.537 1.181 746.5 .535 .404

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2
 .013 424.1 .336 1.45E+04
 .051 427.4 .339 1.47E+04
 .063 424.7 .340 1.46E+04
 .089 432.6 .343 1.48E+04
 .114 426.3 .345 1.47E+04
 .140 424.6 .347 1.46E+04
 .165 425.8 .350 1.46E+04
 .317 461.2 .369 2.51E+04
 .394 761.4 .386 4.40E+04
 .470 811.3 .402 2.48E+04
 .546 843.7 .414 2.40E+04
 .622 864.2 .425 2.34E+04
 .698 886.9 .436 2.28E+04
 .775 902.1 .447 2.24E+04
 .851 916.2 .458 2.18E+04
 .927 921.7 .468 2.11E+04
 1.003 910.3 .478 1.98E+04
 1.067 839.1 .485 1.64E+04 9.32E+02
 1.156 878.0 .495 1.69E+04 4.59E+02
 1.232 842.0 .503 1.65E+04
 1.257 854.7 .505 1.80E+04
 .321 864.8 .513 1.77E+04
 .384 926.4 .520 1.85E+04
 1.460 958.4 .529 1.89E+04
 1.511 957.9 .535 1.81E+04
 1.562 930.8 .541 1.95E+04
 1.613 949.2 .547 1.96E+04
 1.689 979.8 .557 1.92E+04
 1.765 994.7 .566 1.87E+04
 1.816 982.2 .571 1.73E+04
 1.867 944.3 .577 1.78E+04
 1.918 935.6 .583 1.75E+04
 1.994 940.7 .591 1.64E+04
 2.070 712.3 .617 9.39E+04

INEL POST-CHF EXPERIMENT NO. 111

POINT SERIAL NO. 3111.030 (TIME= 268.50 SEC)

LOOP PRESSURE(PE-3) 12.02 MPA
 FCV TEMPERATURE(TE-FCV-1T) 566.3 K
 LHP INLET ENTHALPY 1.304E+06 J/KG
 TEST SECTION:
 PRESSURE .35 MPA
 SAT TEMP 412.44 K
 MASS FLUX 18.79 KG/SEC-M**2
 INLET QUALITY .335
 INLET ENTHALPY 1.304E+06 J/KG
 QUENCH FRONT:
 ELEVATION .356 M
 VELOCITY .0018 M/SEC
 QUALITY .377
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)
 1.841 1.486 838.2 .571 .403

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2
 .013 424.1 .336 1.45E+04
 .051 427.4 .339 1.47E+04
 .063 424.7 .340 1.46E+04
 .089 432.6 .343 1.48E+04
 .114 426.3 .345 1.47E+04
 .140 424.6 .347 1.46E+04
 .165 425.8 .350 1.46E+04
 .317 461.2 .369 2.51E+04
 .394 761.4 .386 4.40E+04
 .470 811.3 .402 2.48E+04
 .546 843.7 .414 2.40E+04
 .622 864.2 .425 2.34E+04
 .698 886.9 .436 2.28E+04
 .775 902.1 .447 2.24E+04
 .851 916.2 .458 2.18E+04
 .927 921.7 .468 2.11E+04
 1.003 910.3 .478 1.98E+04
 1.067 839.1 .485 1.64E+04 9.32E+02
 1.156 878.0 .495 1.69E+04 4.59E+02
 1.232 842.0 .503 1.65E+04
 1.257 854.7 .505 1.80E+04
 .321 864.8 .513 1.77E+04
 .384 926.4 .520 1.85E+04
 1.460 958.4 .529 1.89E+04
 1.511 957.9 .535 1.81E+04
 1.562 930.8 .541 1.95E+04
 1.613 949.2 .547 1.96E+04
 1.689 979.8 .557 1.92E+04
 1.765 994.7 .566 1.87E+04
 1.816 982.2 .571 1.73E+04
 1.867 944.3 .577 1.78E+04
 1.918 935.6 .583 1.75E+04
 1.994 940.7 .591 1.64E+04
 2.070 712.3 .617 9.39E+04

INEL POST-CHF EXPERIMENT NO. 111

POINT SERIAL NO. 1111.040 (TIME= 286.50 SEC)

LOOP PRESSURE(PE-3) 11.92 MPA
 FCV TEMPERATURE(TE-FCV-1T) 565.7 K
 LHP INLET ENTHALPY 1.301E+06 J/KG
 TEST SECTION:
 PRESSURE .35 MPA
 SAT TEMP 412.22 K
 MASS FLUX 18.84 KG/SEC-M**2
 INLET QUALITY .333
 INLET ENTHALPY 1.301E+06 J/KG
 QUENCH FRONT:
 ELEVATION .388 M
 VELOCITY .0018 M/SEC
 QUALITY .381
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.232	.844	642.0	.498	.407

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	423.8	.335	1.46E+04	
.051	426.7	.338	1.47E+04	
.063	424.2	.339	1.46E+04	
.089	431.7	.342	1.48E+04	
.114	425.3	.344	1.47E+04	
.140	424.1	.346	1.46E+04	
.165	425.2	.349	1.46E+04	
.317	437.0	.364	1.82E+04	
.394	680.0	.382	5.65E+04	
.470	791.1	.402	2.43E+04	
.546	826.1	.413	2.30E+04	
.622	847.9	.424	2.24E+04	
.698	871.8	.434	2.20E+04	
.775	887.8	.445	2.17E+04	
.851	903.2	.455	2.12E+04	
.927	909.9	.465	2.06E+04	
1.003	900.7	.475	1.96E+04	
1.067	833.5	.482	1.64E+04	1.14E+03
1.156	872.2	.492	1.70E+04	5.82E+02
1.232	836.5	.500	1.68E+04	
1.257	848.6	.502	1.79E+04	
1.321	859.2	.509	1.76E+04	
1.384	919.3	.517	1.84E+04	
1.460	950.8	.526	1.87E+04	
1.511	950.2	.531	1.78E+04	
1.562	922.6	.537	1.88E+04	
1.613	941.1	.543	1.88E+04	
1.689	972.0	.552	1.87E+04	
1.765	987.8	.561	1.82E+04	
1.816	976.1	.567	1.69E+04	
1.867	938.9	.572	1.75E+04	
1.918	931.1	.578	1.71E+04	
1.994	936.5	.587	1.97E+04	
2.070	568.0	.608	6.77E+04	

INEL POST-CHF EXPERIMENT NO. 111

POINT SERIAL NO. 2111.040 (TIME= 286.50 SEC)

LOOP PRESSURE(PE-3) 11.92 MPA
 FCV TEMPERATURE(TE-FCV-1T) 565.7 K
 LHP INLET ENTHALPY 1.301E+06 J/KG
 TEST SECTION:
 PRESSURE .35 MPA
 SAT TEMP 412.22 K
 MASS FLUX 18.84 KG/SEC-M**2
 INLET QUALITY .333
 INLET ENTHALPY 1.301E+06 J/KG
 QUENCH FRONT:
 ELEVATION .388 M
 VELOCITY .0018 M/SEC
 QUALITY .381
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.537	1.149	734.9	.531	.405

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	423.8	.335	1.46E+04	
.051	426.7	.338	1.47E+04	
.063	424.2	.339	1.46E+04	
.089	431.7	.342	1.48E+04	
.114	425.3	.344	1.47E+04	
.140	424.1	.346	1.46E+04	
.165	425.2	.349	1.46E+04	
.317	437.0	.364	1.82E+04	
.394	680.0	.382	5.65E+04	
.470	791.1	.402	2.43E+04	
.546	826.1	.413	2.30E+04	
.622	847.9	.424	2.24E+04	
.698	871.8	.434	2.20E+04	
.775	887.8	.445	2.17E+04	
.851	903.2	.455	2.12E+04	
.927	909.9	.465	2.06E+04	
1.003	900.7	.475	1.96E+04	
1.067	833.5	.482	1.64E+04	1.14E+03
1.156	872.2	.492	1.70E+04	5.82E+02
1.232	836.5	.500	1.68E+04	
1.257	848.6	.502	1.79E+04	
1.321	859.2	.509	1.76E+04	
1.384	919.3	.517	1.84E+04	
1.460	950.8	.526	1.87E+04	
1.511	950.2	.531	1.78E+04	
1.562	922.6	.537	1.88E+04	
1.613	941.1	.543	1.88E+04	
1.689	972.0	.552	1.87E+04	
1.765	987.8	.561	1.82E+04	
1.816	976.1	.567	1.69E+04	
1.867	938.9	.572	1.75E+04	
1.918	931.1	.578	1.71E+04	
1.994	936.5	.587	1.97E+04	
2.070	568.0	.608	6.77E+04	

INEL POST-CHF EXPERIMENT NO. 111

POINT SERIAL NO. 3111.040 (TIME= 286.50 SEC)

LOOP PRESSURE(PE-3) 11.92 MPA
 FCV TEMPERATURE(TE-FCV-1T) 565.7 K
 LHP INLET ENTHALPY 1.301E+06 J/KG
 TEST SECTION:
 PRESSURE .35 MPA
 SAT TEMP 412.22 K
 MASS FLUX 18.84 KG/SEC-M**2
 INLET QUALITY .333
 INLET ENTHALPY 1.301E+06 J/KG
 QUENCH FRONT:
 ELEVATION .388 M
 VELOCITY .0018 M/SEC
 QUALITY .381
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION	ØZQF	TV	XE XA
(M)	(M)	(K)	
1.841	1.454	824.3	.567 .404

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	423.8	.335	1.46E+04	
.051	426.7	.338	1.47E+04	
.063	424.2	.339	1.46E+04	
.089	431.7	.342	1.48E+04	
.114	425.3	.344	1.47E+04	
.140	424.1	.346	1.46E+04	
.165	425.2	.349	1.46E+04	
.317	437.0	.364	1.82E+04	
.394	680.0	.382	5.65E+04	
.470	791.1	.402	2.43E+04	
.546	826.1	.413	2.30E+04	
.622	847.9	.424	2.24E+04	
.698	871.8	.434	2.20E+04	
.775	887.0	.445	2.17E+04	
.851	903.2	.455	2.12E+04	
.927	909.9	.465	2.06E+04	
1.003	900.7	.475	1.96E+04	
1.067	833.5	.482	1.64E+04	1.14E+03
1.156	872.2	.492	1.70E+04	5.82E+02
1.232	836.5	.500	1.68E+04	
1.257	848.6	.502	1.79E+04	
1.321	859.2	.509	1.76E+04	
1.384	919.3	.517	1.84E+04	
1.460	950.8	.526	1.87E+04	
1.511	950.2	.531	1.78E+04	
1.562	922.6	.537	1.88E+04	
1.613	941.1	.543	1.88E+04	
1.689	972.0	.552	1.87E+04	
1.765	987.8	.561	1.82E+04	
1.816	976.1	.567	1.69E+04	
1.867	938.9	.572	1.75E+04	
1.918	931.1	.578	1.71E+04	
1.994	936.5	.587	1.97E+04	
2.070	568.0	.608	6.77E+04	

INEL POST-CHF EXPERIMENT NO. 111

POINT SERIAL NO. 1111.050 (TIME= 311.50 SEC)

LOOP PRESSURE(PE-3) 11.90 MPA
 FCV TEMPERATURE(TE-FCV-1T) 565.2 K
 LHP INLET ENTHALPY 1.298E+06 J/KG
 TEST SECTION:
 PRESSURE .35 MPA
 SAT TEMP 412.19 K
 MASS FLUX 18.71 KG/SEC-M**2
 INLET QUALITY .332
 INLET ENTHALPY 1.298E+06 J/KG
 QUENCH FRONT:
 ELEVATION .32 M
 VELOCITY .0016 M/SEC
 QUALITY .383
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION	ØZQF	TV	XE XA
(M)	(M)	(K)	
1.232	.799	629.6	.487 .403

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	423.3	.333	1.46E+04	
.051	426.1	.337	1.46E+04	
.063	423.8	.338	1.46E+04	
.089	430.6	.340	1.48E+04	
.114	424.5	.343	1.47E+04	
.140	423.6	.345	1.46E+04	
.165	424.7	.347	1.46E+04	
.317	430.5	.362	1.55E+04	
.394	466.9	.374	3.59E+04	
.470	761.0	.390	3.15E+04	
.546	803.6	.404	2.28E+04	
.622	827.8	.414	2.19E+04	
.698	852.8	.425	2.14E+04	
.775	869.8	.435	2.11E+04	
.851	886.6	.445	2.08E+04	
.927	894.8	.455	2.02E+04	
1.003	888.0	.465	1.94E+04	
1.067	825.6	.472	1.63E+04	1.24E+03
1.156	863.9	.481	1.68E+04	7.62E+02
1.232	828.6	.489	1.68E+04	
1.257	840.3	.492	1.79E+04	
1.321	851.9	.499	1.76E+04	
1.384	910.0	.507	1.83E+04	
1.460	941.0	.516	1.85E+04	
1.511	940.1	.521	1.76E+04	
1.562	912.8	.527	1.81E+04	
1.613	931.2	.533	1.83E+04	
1.689	962.3	.542	1.83E+04	
1.765	979.4	.551	1.79E+04	
1.816	968.4	.556	1.67E+04	
1.867	932.2	.562	1.73E+04	
1.918	925.1	.567	1.72E+04	
1.994	840.7	.592	8.48E+04	
2.070	506.3	.618	2.43E+04	

INEL POST-CHF EXPERIMENT NO. 111

POINT SERIAL NO. 2111.050 (TIME= 310.50 SEC)

LOOP PRESSURE(PE-3) 11.91 MPA
 FCV TEMPERATURE(TE-FCV-1T) 565.2 K
 LHP INLET ENTHALPY 1.298E+06 J/KG
 TEST SECTION:
 PRESSURE .35 MPA
 SAT TEMP 412.24 K
 MASS FLUX 18.72 KG/SEC-M**2
 INLET QUALITY .332
 INLET ENTHALPY 1.298E+06 J/KG
 QUENCH FRONT:
 ELEVATION .431 M
 VELOCITY .0018 M/SEC
 QUALITY .383
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.537	1.106	732.7	.522	.398

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	423.3	.333	1.46E+04	
.051	426.1	.337	1.46E+04	
.063	423.8	.338	1.46E+04	
.089	430.6	.340	1.48E+04	
.114	424.5	.343	1.47E+04	
.140	423.6	.345	1.46E+04	
.165	424.8	.347	1.46E+04	
.317	430.6	.362	1.56E+04	
.394	470.4	.375	3.69E+04	
.470	762.5	.391	3.11E+04	
.546	804.5	.404	2.28E+04	
.622	828.6	.415	2.18E+04	
.698	853.6	.425	2.14E+04	
.775	870.5	.435	2.12E+04	
.851	887.3	.446	2.07E+04	
.927	895.4	.456	2.02E+04	
1.003	888.5	.465	1.94E+04	
1.067	825.9	.472	1.63E+04	1.24E+03
1.156	864.2	.482	1.68E+04	7.86E+02
1.232	829.0	.490	1.69E+04	
1.257	840.6	.493	1.79E+04	
1.321	852.2	.500	1.76E+04	
1.384	910.4	.507	1.83E+04	
1.460	941.4	.516	1.85E+04	
1.511	940.5	.522	1.76E+04	
1.562	913.1	.527	1.80E+04	
1.613	931.5	.533	1.82E+04	
1.689	962.7	.542	1.82E+04	
1.765	979.7	.551	1.79E+04	
1.816	968.7	.556	1.67E+04	
1.867	932.4	.562	1.73E+04	
1.918	925.4	.567	1.71E+04	
1.994	859.7	.592	8.41E+04	
2.070	507.6	.618	2.45E+04	

INEL POST-CHF EXPERIMENT NO. 111

POINT SERIAL NO. 3111.050 (TIME= 310.50 SEC)

LOOP PRESSURE(PE-3) 11.92 MPA
 FCV TEMPERATURE(TE-FCV-1T) 565.2 K
 LHP INLET ENTHALPY 1.298E+06 J/KG
 TEST SECTION:
 PRESSURE .35 MPA
 SAT TEMP 412.24 K
 MASS FLUX 18.72 KG/SEC-M**2
 INLET QUALITY .332
 INLET ENTHALPY 1.298E+06 J/KG
 QUENCH FRONT:
 ELEVATION .431 M
 VELOCITY .0018 M/SEC
 QUALITY .383
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.841	1.411	817.2	.559	.400

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	423.3	.333	1.46E+04	
.051	426.1	.337	1.46E+04	
.063	423.8	.338	1.46E+04	
.089	430.6	.340	1.48E+04	
.114	424.5	.343	1.47E+04	
.140	423.6	.345	1.46E+04	
.165	424.8	.347	1.46E+04	
.317	430.6	.362	1.56E+04	
.394	470.4	.375	3.69E+04	
.470	762.5	.391	3.11E+04	
.546	804.5	.404	2.28E+04	
.622	828.6	.415	2.18E+04	
.698	853.6	.425	2.14E+04	
.775	870.5	.435	2.12E+04	
.851	887.3	.446	2.07E+04	
.927	895.4	.456	2.02E+04	
1.003	888.5	.465	1.94E+04	
1.067	825.9	.472	1.63E+04	1.24E+03
1.156	864.2	.482	1.68E+04	7.86E+02
1.232	829.0	.490	1.69E+04	
1.257	840.6	.493	1.79E+04	
1.321	852.2	.500	1.76E+04	
1.384	910.4	.507	1.83E+04	
1.460	941.4	.516	1.85E+04	
1.511	940.5	.522	1.76E+04	
1.562	913.1	.527	1.80E+04	
1.613	931.5	.533	1.82E+04	
1.689	962.7	.542	1.82E+04	
1.765	979.7	.551	1.79E+04	
1.816	968.7	.556	1.67E+04	
1.867	932.4	.562	1.73E+04	
1.918	925.4	.567	1.71E+04	
1.994	859.7	.592	8.41E+04	
2.070	507.6	.618	2.45E+04	

INEL POST-CHF EXPERIMENT NO. 111

POINT SERIAL NO. 1111.060 (TIME= 336.50 SEC)

LOOP PRESSURE(PE-3) 11.94 MPA
 FGV TEMPERATURE(TE-FCV-1T) 566.0 K
 LHP INLET ENTHALPY 1.302E+06 J/KG
 TEST SECTION:
 PRESSURE .35 MPA
 SAT TEMP 411.87 K
 MASS FLUX 18.65 KG/SEC-M**2
 INLET QUALITY .335
 INLET ENTHALPY 1.302E+06 J/KG
 QUENCH FRONT:
 ELEVATION .472 M
 VELOCITY .0016 M/SEC
 QUALITY .386
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.759	622.1	.486	.404

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	422.7	.336	1.47E+04	
.051	425.6	.339	1.47E+04	
.063	423.4	.341	1.46E+04	
.089	429.7	.343	1.47E+04	
.114	423.7	.345	1.47E+04	
.140	423.2	.348	1.46E+04	
.165	424.3	.350	1.46E+04	
.317	427.7	.364	1.52E+04	
.394	444.2	.372	1.65E+04	
.470	631.5	.385	3.70E+04	
.546	779.0	.400	2.46E+04	
.622	807.2	.411	2.26E+04	
.698	834.2	.422	2.19E+04	
.775	852.2	.433	2.15E+04	
.851	870.2	.443	2.11E+04	
.927	879.9	.453	2.05E+04	
1.003	875.1	.463	1.99E+04	
1.067	817.2	.470	1.69E+04	1.03E+03
1.156	855.0	.480	1.75E+04	6.11E+02
1.232	820.5	.489	1.71E+04	
1.257	831.3	.491	1.84E+04	
1.321	843.9	.499	1.81E+04	
1.384	900.6	.506	1.87E+04	
1.460	931.0	.515	1.89E+04	
1.511	930.0	.521	1.79E+04	
1.562	903.8	.527	1.85E+04	
1.613	921.5	.533	1.88E+04	
1.689	952.6	.542	1.88E+04	
1.765	970.6	.551	1.86E+04	
1.816	960.5	.557	1.72E+04	
1.867	925.4	.563	1.79E+04	
1.918	867.9	.581	9.35E+04	
1.994	594.8	.616	5.16E+04	
2.070	481.4	.633	2.03E+04	

INEL POST-CHF EXPERIMENT NO. 111

POINT SERIAL NO. 2111.060 (TIME= 336.50 SEC)

LOOP PRESSURE(PE-3) 11.94 MPA
 FGV TEMPERATURE(TE-FCV-1T) 566.0 K
 LHP INLET ENTHALPY 1.302E+06 J/KG
 TEST SECTION:
 PRESSURE .35 MPA
 SAT TEMP 411.87 K
 MASS FLUX 18.65 KG/SEC-M**2
 INLET QUALITY .335
 INLET ENTHALPY 1.302E+06 J/KG
 QUENCH FRONT:
 ELEVATION .472 M
 VELOCITY .0016 M/SEC
 QUALITY .386
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	1.064	717.5	.524	.404

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	422.7	.336	1.47E+04	
.051	425.6	.339	1.47E+04	
.063	423.4	.341	1.46E+04	
.089	429.7	.343	1.47E+04	
.114	423.7	.345	1.47E+04	
.140	423.2	.348	1.46E+04	
.165	424.3	.350	1.46E+04	
.317	427.7	.364	1.52E+04	
.394	444.2	.372	1.65E+04	
.470	631.5	.385	3.70E+04	
.546	779.0	.400	2.46E+04	
.622	807.2	.411	2.26E+04	
.698	834.2	.422	2.19E+04	
.775	852.2	.433	2.15E+04	
.851	870.2	.443	2.11E+04	
.927	879.9	.453	2.05E+04	
1.003	875.1	.463	1.99E+04	
1.067	817.2	.470	1.69E+04	1.03E+03
1.156	855.0	.480	1.75E+04	6.11E+02
1.232	820.5	.489	1.71E+04	
1.257	831.3	.491	1.84E+04	
1.321	843.9	.499	1.81E+04	
1.384	900.6	.506	1.87E+04	
1.460	931.0	.515	1.89E+04	
1.511	930.0	.521	1.79E+04	
1.562	903.8	.527	1.85E+04	
1.613	921.5	.533	1.88E+04	
1.689	952.6	.542	1.88E+04	
1.765	970.6	.551	1.86E+04	
1.816	960.5	.557	1.72E+04	
1.867	925.4	.563	1.79E+04	
1.918	867.9	.581	9.35E+04	
1.994	594.8	.616	5.16E+04	
2.070	481.4	.633	2.03E+04	

INEL POST-CHF EXPERIMENT NO. 111

POINT SERIAL NO. 3111.060 (TIME= 336.50 SEC)

LOOP PRESSURE(PE-3) 11.94 MPA
 FCV TEMPERATURE(TE-FCV-1T) 566.0 K
 LHP INLET ENTHALPY 1.302E+06 J/KG
 TEST SECTION:
 PRESSURE .35 MPA
 SAT TEMP 411.87 K
 MASS FLUX 18.65 KG/SEC-M**2
 INLET QUALITY .335
 INLET ENTHALPY 1.302E+06 J/KG
 QUENCH FRONT:
 ELEVATION .472 M
 VELOCITY .0016 M/SEC
 QUALITY .386
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.841	1.369	810.4	.560	.403

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	422.7	.336	1.47E+04	
.051	425.6	.339	1.47E+04	
.063	423.4	.341	1.46E+04	
.089	429.7	.343	1.47E+04	
.114	423.7	.345	1.47E+04	
.140	423.2	.348	1.46E+04	
.165	424.3	.350	1.46E+04	
.317	427.7	.364	1.52E+04	
.394	444.2	.372	1.65E+04	
.470	631.5	.385	3.70E+04	
.546	779.0	.400	2.46E+04	
.622	807.2	.411	2.26E+04	
.698	834.2	.422	2.19E+04	
.775	852.2	.433	2.15E+04	
.851	870.2	.443	2.11E+04	
.927	879.9	.453	2.05E+04	
1.003	875.1	.463	1.99E+04	
1.067	817.2	.470	1.69E+04	1.03E+03
1.156	855.0	.480	1.75E+04	6.11E+02
1.232	820.5	.489	1.71E+04	
1.257	831.3	.491	1.84E+04	
1.321	843.9	.499	1.81E+04	
1.384	900.6	.506	1.87E+04	
1.460	931.0	.515	1.89E+04	
1.511	930.0	.521	1.79E+04	
1.562	903.8	.527	1.85E+04	
1.613	921.5	.533	1.88E+04	
1.689	952.6	.542	1.88E+04	
1.765	970.6	.551	1.86E+04	
1.816	960.5	.557	1.72E+04	
1.867	925.4	.563	1.79E+04	
1.918	867.9	.581	9.35E+04	
1.994	594.8	.616	5.16E+04	
2.070	481.4	.633	2.03E+04	

INEL POST-CHF EXPERIMENT NO. 111

POINT SERIAL NO. 1111.070 (TIME= 354.50 SEC)

LOOP PRESSURE(PE-3) 11.92 MPA
 FCV TEMPERATURE(TE-FCV-1T) 566.1 K
 LHP INLET ENTHALPY 1.303E+06 J/KG
 TEST SECTION:
 PRESSURE .35 MPA
 SAT TEMP 411.68 K
 MASS FLUX 18.66 KG/SEC-M**2
 INLET QUALITY .335
 INLET ENTHALPY 1.303E+06 J/KG
 QUENCH FRONT:
 ELEVATION .501 M
 VELOCITY .0016 M/SEC
 QUALITY .390
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.232	.731	606.6	.487	.410

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	422.3	.336	1.47E+04	
.051	425.4	.340	1.47E+04	
.063	423.1	.341	1.47E+04	
.089	429.3	.343	1.48E+04	
.114	423.2	.346	1.47E+04	
.140	423.0	.348	1.47E+04	
.165	424.1	.350	1.47E+04	
.317	426.3	.365	1.50E+04	
.394	440.3	.372	1.59E+04	
.470	495.8	.383	2.97E+04	
.546	755.2	.399	3.43E+04	
.622	791.2	.413	2.29E+04	
.698	820.3	.424	2.18E+04	
.775	839.4	.434	2.12E+04	
.851	858.3	.444	2.09E+04	
.927	869.0	.454	2.05E+04	
1.003	865.4	.464	1.99E+04	
1.067	810.8	.471	1.69E+04	1.07E+03
1.156	848.1	.481	1.75E+04	7.56E+02
1.232	814.2	.489	1.72E+04	
1.257	824.6	.492	1.85E+04	
1.321	837.9	.500	1.81E+04	
1.384	893.4	.507	1.88E+04	
1.460	923.4	.516	1.90E+04	
1.511	922.4	.522	1.80E+04	
1.562	897.1	.528	1.86E+04	
1.613	914.5	.534	1.87E+04	
1.689	945.6	.543	1.87E+04	
1.765	964.0	.552	1.85E+04	
1.816	954.5	.558	1.73E+04	
1.867	918.8	.564	2.03E+04	
1.918	637.1	.584	1.05E+05	
1.994	544.2	.617	2.95E+04	
2.070	469.7	.629	1.87E+04	

INEL POST-CHF EXPERIMENT NO. 111

POINT SERIAL NO. 2111.070 (TIME= 354.50 SEC)

LOOP PRESSURE(PE-3) 11.92 MPA
 FCV TEMPERATURE(TE-FCV-11) 566.1 K
 LHP INLET ENTHALPY 1.303E+06 J/KG
 TEST SECTION:
 PRESSURE .35 MPA
 SAT TEMP 411.68 K
 MASS FLUX 18.66 KG/SFC-M**2
 INLET QUALITY .335
 INLET ENTHALPY 1.303E+06 J/KG
 QUENCH FRONT:
 ELEVATION .501 M
 VELOCITY .0016 M/SEC
 QUALITY .390
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION	DZQF	TV	XE XA
(M)	(M)	(K)	
1.537	1.036	699.8	.525 .411

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	422.3	.336	1.47E+04	
.051	425.4	.340	1.47E+04	
.063	423.1	.341	1.47E+04	
.089	429.3	.343	1.48E+04	
.114	423.2	.346	1.47E+04	
.140	423.0	.348	1.47E+04	
.165	424.1	.350	1.47E+04	
.317	426.3	.365	1.50E+04	
.394	440.3	.372	1.59E+04	
.470	495.8	.383	2.97E+04	
.546	755.2	.399	3.43E+04	
.622	791.2	.413	2.29E+04	
.698	820.3	.424	2.18E+04	
.775	839.4	.434	2.12E+04	
.851	858.3	.444	2.09E+04	
.927	869.0	.454	2.05E+04	
1.003	865.4	.464	1.99E+04	
1.067	810.8	.471	1.69E+04	1.07E+03
1.156	848.1	.481	1.75E+04	7.56E+02
1.232	814.2	.489	1.72E+04	
1.257	824.6	.492	1.85E+04	
1.321	837.9	.500	1.81E+04	
1.384	893.4	.507	1.88E+04	
1.460	923.4	.516	1.90E+04	
1.511	922.4	.522	1.80E+04	
1.562	897.1	.528	1.86E+04	
1.613	914.5	.534	1.87E+04	
1.689	945.6	.543	1.87E+04	
1.765	964.0	.552	1.85E+04	
1.816	954.5	.558	1.73E+04	
1.867	918.8	.564	2.03E+04	
1.918	637.1	.584	1.05E+05	
1.994	544.2	.617	2.95E+04	
2.070	469.7	.629	1.87E+04	

INEL POST-CHF EXPERIMENT NO. 111

POINT SERIAL NO. 3111.070 (TIME= 354.50 SEC)

LOOP PRESSURE(PE-3) 11.92 MPA
 FCV TEMPERATURE(TE-FCV-11) 566.1 K
 LHP INLET ENTHALPY 1.303E+06 J/KG
 TEST SECTION:
 PRESSURE .35 MPA
 SAT TEMP 411.68 K
 MASS FLUX 18.66 KG/SEC-M**2
 INLET QUALITY .335
 INLET ENTHALPY 1.303E+06 J/KG
 QUENCH FRONT:
 ELEVATION .501 M
 VELOCITY .0016 M/SEC
 QUALITY .390
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION	DZQF	TV	XE XA
(M)	(M)	(K)	
1.841	1.340	796.4	.561 .408

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	422.3	.336	1.47E+04	
.051	425.4	.340	1.47E+04	
.063	423.1	.341	1.47E+04	
.089	429.3	.343	1.48E+04	
.114	423.2	.346	1.47E+04	
.140	423.0	.348	1.47E+04	
.165	424.1	.350	1.47E+04	
.317	426.3	.365	1.50E+04	
.394	440.3	.372	1.59E+04	
.470	495.8	.383	2.97E+04	
.546	755.2	.399	3.43E+04	
.622	791.2	.413	2.29E+04	
.698	820.3	.424	2.18E+04	
.775	839.4	.434	2.12E+04	
.851	858.3	.444	2.09E+04	
.927	869.0	.454	2.05E+04	
1.003	865.4	.464	1.99E+04	
1.067	810.8	.471	1.69E+04	1.07E+03
1.156	848.1	.481	1.75E+04	7.56E+02
1.232	814.2	.489	1.72E+04	
1.257	824.6	.492	1.85E+04	
1.321	837.9	.500	1.81E+04	
1.384	893.4	.507	1.88E+04	
1.460	923.4	.516	1.90E+04	
1.511	922.4	.522	1.80E+04	
1.562	897.1	.528	1.86E+04	
1.613	914.5	.534	1.87E+04	
1.689	945.6	.543	1.87E+04	
1.765	964.0	.552	1.85E+04	
1.816	954.5	.558	1.73E+04	
1.867	918.8	.564	2.03E+04	
1.918	637.1	.584	1.05E+05	
1.994	544.2	.617	2.95E+04	
2.070	469.7	.629	1.87E+04	

INEL POST-CHF EXPERIMENT NO. 111

POINT SERIAL NO. 1111.080 (TIME= 378.50 SEC)

LOOP PRESSURE(PE-3) 12.05 MPA
 FCV TEMPERATURE(TE-FCV-1T) 565.3 K
 LHP INLET ENTHALPY 1.298E+06 J/KG
 TEST SECTION:
 PRESSURE .34 MPA
 SAT TEMP 411.43 K
 MASS FLUX 18.90 KG/SEC-M**2
 INLET QUALITY .333
 INLET ENTHALPY 1.298E+06 J/KG
 QUENCH FRONT:
 ELEVATION .548 M
 VELOCITY .0020 M/SEC
 QUALITY .394
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.684	599.4	.485	.411

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	422.1	.334	1.47E+04	
.051	425.1	.338	1.47E+04	
.063	422.9	.339	1.47E+04	
.089	428.8	.341	1.48E+04	
.114	422.9	.344	1.48E+04	
.140	422.8	.346	1.47E+04	
.165	423.9	.348	1.47E+04	
.317	425.2	.363	1.49E+04	
.394	436.3	.370	1.57E+04	
.470	452.5	.378	1.88E+04	
.546	605.2	.393	4.42E+04	
.622	766.8	.410	2.64E+04	
.698	801.1	.422	2.23E+04	
.775	822.3	.432	2.14E+04	
.851	842.7	.442	2.08E+04	
.927	854.8	.452	2.04E+04	
1.003	852.5	.462	1.98E+04	
1.067	802.1	.469	1.72E+04	9.10E+02
1.156	838.4	.479	1.78E+04	5.95E+02
1.232	805.5	.487	1.74E+04	
1.257	815.5	.490	1.86E+04	
1.321	829.5	.498	1.83E+04	
1.384	883.5	.505	1.89E+04	
1.460	913.2	.514	1.90E+04	
1.511	912.3	.520	1.81E+04	
1.562	887.5	.526	1.89E+04	
1.613	904.7	.532	1.89E+04	
1.689	936.0	.541	1.89E+04	
1.765	955.1	.550	1.86E+04	
1.816	945.5	.556	1.83E+04	
1.867	787.4	.573	9.20E+04	
1.918	467.4	.592	2.79E+04	
1.994	508.7	.605	2.33E+04	
2.070	458.7	.614	1.75E+04	

INEL POST-CHF EXPERIMENT NO. 111

POINT SERIAL NO. 2111.080 (TIME= 378.50 SEC)

LOOP PRESSURE(PE-3) 12.05 MPA
 FCV TEMPERATURE(TE-FCV-1T) 565.3 K
 LHP INLET ENTHALPY 1.298E+06 J/KG
 TEST SECTION:
 PRESSURE .34 MPA
 SAT TEMP 411.43 K
 MASS FLUX 18.90 KG/SEC-M**2
 INLET QUALITY .333
 INLET ENTHALPY 1.298E+06 J/KG
 QUENCH FRONT:
 ELEVATION .548 M
 VELOCITY .0020 M/SEC
 QUALITY .394
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.989	688.3	.523	.412

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	422.1	.334	1.47E+04	
.051	425.1	.338	1.47E+04	
.063	422.9	.339	1.47E+04	
.089	428.8	.341	1.48E+04	
.114	422.9	.344	1.48E+04	
.140	422.8	.346	1.47E+04	
.165	423.9	.348	1.47E+04	
.317	425.2	.363	1.49E+04	
.394	436.3	.370	1.57E+04	
.470	452.5	.378	1.88E+04	
.546	605.2	.393	4.42E+04	
.622	766.8	.410	2.64E+04	
.698	801.1	.422	2.23E+04	
.775	822.3	.432	2.14E+04	
.851	842.7	.442	2.08E+04	
.927	854.8	.452	2.04E+04	
1.003	852.5	.462	1.98E+04	
1.067	802.1	.469	1.72E+04	9.10E+02
1.156	838.4	.479	1.78E+04	5.95E+02
1.232	805.5	.487	1.74E+04	
1.257	815.5	.490	1.86E+04	
1.321	829.5	.498	1.83E+04	
1.384	883.5	.505	1.89E+04	
1.460	913.2	.514	1.90E+04	
1.511	912.3	.520	1.81E+04	
1.562	887.5	.526	1.89E+04	
1.613	904.7	.532	1.89E+04	
1.689	936.0	.541	1.89E+04	
1.765	955.1	.550	1.86E+04	
1.816	945.5	.556	1.83E+04	
1.867	787.4	.573	9.20E+04	
1.918	467.4	.592	2.79E+04	
1.994	508.7	.605	2.33E+04	
2.070	458.7	.614	1.75E+04	

INEL POST-CHF EXPERIMENT NO. 111

POINT SERIAL NO. 3111.080 (TIME= 378.50 SEC)

LOOP PRESSURE(PE-3) 12.05 MPA
 FCV TEMPERATURE(TE-FCV-1T) 565.1 K
 LHP INLET ENTHALPY 1.297E+06 J/KG
 TEST SECTION:
 PRESSURE .34 MPA
 SAT TEMP 411.43 K
 MASS FLUX 18.90 KG/SEC-M**2
 INLET QUALITY .333
 INLET ENTHALPY 1.297E+06 J/KG
 QUENCH FRONT:
 ELEVATION .546 M
 VELOCITY .0020 M/SEC
 QUALITY .394
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.294	787.9	.557	.408

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	422.1	.334	1.47E+04	
.051	425.1	.338	1.47E+04	
.063	422.9	.339	1.46E+04	
.089	428.8	.341	1.47E+04	
.114	422.9	.343	1.44E+04	
.140	422.8	.346	1.47E+04	
.165	423.9	.348	1.46E+04	
.317	425.2	.362	1.49E+04	
.394	436.3	.370	1.58E+04	
.470	451.7	.378	1.84E+04	
.546	595.8	.393	4.61E+04	
.622	767.7	.410	2.42E+04	
.698	801.4	.421	2.21E+04	
.775	822.5	.432	2.15E+04	
.851	842.8	.442	2.03E+04	
.927	854.8	.451	2.03E+04	
1.003	852.4	.461	1.97E+04	
1.067	802.1	.458	1.71E+04	9.51E+02
1.156	838.3	.478	1.78E+04	6.04E+02
1.232	805.5	.486	1.73E+04	
1.257	815.5	.489	1.83E+04	
1.321	829.5	.497	1.82E+04	
1.384	883.5	.504	1.88E+04	
1.460	913.1	.513	1.88E+04	
1.511	912.3	.519	1.79E+04	
1.562	887.5	.525	1.80E+04	
1.613	904.7	.531	1.88E+04	
1.689	936.1	.540	1.88E+04	
1.765	955.1	.549	1.85E+04	
1.816	945.8	.554	1.76E+04	
1.867	829.6	.579	1.38E+05	
1.918	463.3	.604	2.17E+04	
1.994	507.7	.615	2.31E+04	
2.070	458.5	.625	1.76E+04	

INEL POST-CHF EXPERIMENT NO. 111

POINT SERIAL NO. 1111.090 (TIME= 415.50 SEC)

LOOP PRESSURE(PE-3) 11.90 MPA
 FCV TEMPERATURE(TE-FCV-1T) 565.8 K
 LHP INLET ENTHALPY 1.301E+06 J/KG
 TEST SECTION:
 PRESSURE .35 MPA
 SAT TEMP 411.65 K
 MASS FLUX 18.67 KG/SEC-M**2
 INLET QUALITY .334
 INLET ENTHALPY 1.301E+06 J/KG
 QUENCH FRONT:
 ELEVATION .624 M
 VELOCITY .0021 M/SEC
 QUALITY .403
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.608	570.0	.486	.421

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	421.8	.336	1.48E+04	
.051	424.6	.339	1.48E+04	
.063	422.4	.340	1.48E+04	
.089	428.1	.343	1.48E+04	
.114	422.5	.345	1.47E+04	
.140	422.5	.347	1.47E+04	
.165	423.6	.350	1.47E+04	
.317	423.9	.364	1.49E+04	
.394	432.7	.371	1.52E+04	
.470	440.2	.379	1.61E+04	
.546	455.8	.387	2.00E+04	
.622	577.9	.403	4.46E+04	
.698	767.4	.420	2.54E+04	
.775	794.9	.431	2.18E+04	
.851	818.6	.442	2.08E+04	
.927	832.8	.452	2.04E+04	
1.003	831.8	.462	1.99E+04	
1.067	788.3	.469	1.75E+04	7.23E+02
1.156	822.7	.479	1.83E+04	4.30E+02
1.232	790.8	.488	1.79E+04	
1.257	799.7	.491	1.90E+04	
1.321	815.9	.498	1.84E+04	
1.384	867.7	.506	1.90E+04	
1.460	897.2	.515	1.91E+04	
1.511	896.4	.521	1.81E+04	
1.562	871.5	.527	1.88E+04	
1.613	889.3	.533	1.88E+04	
1.689	921.0	.542	1.87E+04	
1.765	940.9	.551	1.86E+04	
1.816	901.2	.561	3.82E+04	
1.867	498.5	.572	3.23E+04	
1.918	444.8	.580	1.69E+04	
1.994	477.9	.589	1.92E+04	
2.070	447.5	.597	1.64E+04	

INEL POST-CHF EXPERIMENT NO. 111

POINT SERIAL NO. 2111.090 (TIME= 415.50 SEC)

LOOP PRESSURE(PE-3) 11.90 MPA
 FCV TEMPERATURE(TE-FCV-1T) 565.8 K
 LHP INLET ENTHALPY 1.301E+06 J/KG
 TEST SECTION:
 PRESSURE .35 MPA
 SAT TEMP 411.65 K
 MASS FLUX 18.67 KG/SEC-M**2
 INLET QUALITY .334
 INLET ENTHALPY 1.301E+06 J/KG
 QUENCH FRONT:
 ELEVATION .624 M
 VELOCITY .0021 M/SEC
 QUALITY .403
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.537	.913	667.4	.524	.420

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	421.8	.336	1.48E+04	
.051	424.6	.339	1.48E+04	
.063	422.4	.340	1.48E+04	
.089	428.1	.343	1.48E+04	
.114	422.5	.345	1.47E+04	
.140	422.5	.347	1.47E+04	
.165	423.6	.350	1.47E+04	
.317	423.9	.364	1.49E+04	
.394	432.7	.371	1.52E+04	
.470	440.2	.379	1.61E+04	
.546	455.8	.387	2.00E+04	
.622	577.9	.403	4.46E+04	
.698	767.4	.420	2.54E+04	
.775	794.9	.431	2.18E+04	
.851	818.6	.442	2.08E+04	
.927	832.8	.452	2.04E+04	
1.003	832.8	.462	1.99E+04	
1.067	788.3	.469	1.75E+04	7.23E+02
1.156	822.7	.479	1.83E+04	4.30E+02
1.232	790.8	.488	1.79E+04	
1.257	799.7	.491	1.90E+04	
1.321	815.9	.498	1.84E+04	
1.384	867.7	.506	1.90E+04	
1.460	897.2	.515	1.91E+04	
1.511	896.4	.521	1.81E+04	
1.562	871.5	.527	1.88E+04	
1.613	889.3	.531	1.88E+04	
1.689	921.0	.542	1.87E+04	
1.765	940.9	.551	1.86E+04	
1.816	901.2	.561	3.82E+04	
1.867	498.5	.572	3.23E+04	
1.918	444.8	.580	1.69E+04	
1.994	477.9	.589	1.92E+04	
2.070	447.5	.597	1.64E+04	

INEL POST-CHF EXPERIMENT NO. 111

POINT SERIAL NO. 2111.100 (TIME= 451.50 SEC)

LOOP PRESSURE(PE-3) 11.92 MPA
 FCV TEMPERATURE(TE-FCV-1T) 565.4 K
 LHP INLET ENTHALPY 1.299E+06 J/KG
 TEST SECTION:
 PRESSURE .35 MPA
 SAT TEMP 411.54 K
 MASS FLUX 18.80 KG/SEC-M**2
 INLET QUALITY .334
 INLET ENTHALPY 1.299E+06 J/KG
 QUENCH FRONT:
 ELEVATION .697 M
 VELOCITY .0020 M/SEC
 QUALITY .409
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.537	.839	643.1	.520	.425

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	421.3	.335	1.47E+04	
.051	424.2	.338	1.48E+04	
.063	422.2	.339	1.48E+04	
.089	427.5	.342	1.48E+04	
.114	422.1	.344	1.50E+04	
.140	422.3	.347	1.48E+04	
.165	423.2	.349	1.48E+04	
.317	423.1	.363	1.49E+04	
.394	430.2	.370	1.52E+04	
.470	435.6	.378	1.51E+04	
.546	441.8	.385	1.65E+04	
.622	437.1	.394	1.90E+04	
.698	631.5	.409	4.34E+04	
.775	763.6	.425	2.52E+04	
.851	794.4	.437	2.17E+04	
.927	811.4	.447	2.06E+04	
1.003	813.9	.457	1.99E+04	
1.067	774.9	.464	1.78E+04	4.81E+02
1.156	807.2	.474	1.85E+04	2.58E+02
1.232	774.6	.483	1.85E+04	
1.257	783.4	.486	1.95E+04	
1.321	802.0	.494	1.89E+04	
1.384	852.1	.502	1.93E+04	
1.460	881.9	.511	1.93E+04	
1.511	881.0	.517	1.83E+04	
1.562	856.7	.523	1.92E+04	
1.613	874.6	.529	1.92E+04	
1.689	906.9	.538	1.90E+04	
1.765	927.1	.547	1.91E+04	
1.816	632.4	.564	8.59E+04	
1.867	457.7	.581	1.87E+04	
1.918	437.4	.586	1.58E+04	
1.994	461.3	.594	1.74E+04	
2.070	440.9	.602	1.58E+04	

INEL POST-CHF EXPERIMENT NO. 111

POINT SERIAL NO. 2111.110 (TIME= 487.50 SEC)

LOOP PRESSURE{PE-3} 11.90 MPA
 FCV TEMPERATURE{TE-FCV-1T} 565.9 K
 LHP INLET ENTHALPY 1.302E+06 J/KG
 TEST SECTION:
 PRESSURE .35 MPA
 SAT TEMP 411.64 K
 MASS FLUX 18.72 KG/SEC-M**2
 INLET QUALITY .335
 INLET ENTHALPY 1.302E+06 J/KG
 QUENCH FRONT:
 ELEVATION .773 M
 VELOCITY .0022 M/SEC
 QUALITY .419
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION	DZQF	TV	XE XA
(M)	(M)	(K)	
1.537	.764	022.4	.523 .435

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		HEAT FLUX W/M**2	HEAT LOSS W/M**2
ELEVATION	TEMP	XE			
(M)	(K)				
.013	421.4	.336		1.48E+04	
.051	423.9	.339		1.48E+04	
.063	422.0	.341		1.48E+04	
.089	427.0	.343		1.48E+04	
.114	421.6	.345		1.46E+04	
.140	422.0	.348		1.47E+04	
.165	422.9	.350		1.47E+04	
.317	422.4	.364		1.48E+04	
.394	428.1	.371		1.51E+04	
.470	433.9	.379		1.51E+04	
.546	435.1	.386		1.57E+04	
.622	428.7	.394		1.58E+04	
.698	457.9	.403		2.19E+04	
.775	638.7	.420		4.85E+04	
.851	763.0	.437		2.55E+04	
.927	787.0	.449		2.15E+04	
1.003	793.5	.459		2.05E+04	
1.067	760.5	.467		1.84E+04	2.95E+02
1.156	791.1	.477		1.82E+04	6.86E+02
1.232	755.3	.486		1.88E+04	
1.257	764.3	.489		1.97E+04	
1.321	786.3	.497		1.90E+04	
1.384	834.7	.505		1.96E+04	
1.460	865.0	.514		1.96E+04	
1.511	864.5	.520		1.85E+04	
1.562	840.5	.526		1.94E+04	
1.613	858.6	.533		1.92E+04	
1.689	892.0	.542		1.91E+04	
1.765	911.1	.551		1.97E+04	
1.816	465.2	.559		2.98E+04	
1.867	445.5	.567		1.63E+04	
1.918	433.5	.572		1.53E+04	
1.994	450.9	.579		1.64E+04	
2.070	436.4	.587		1.55E+04	

INEL POST-CHF EXPERIMENT NO. 111

POINT SERIAL NO. 2111.120 (TIME= 523.50 SEC)

LOOP PRESSURE{PE-3} 11.92 MPA
 FCV TEMPERATURE{TE-FCV-1T} 565.2 K
 LHP INLET ENTHALPY 1.298E+06 J/KG
 TEST SECTION:
 PRESSURE .35 MPA
 SAT TEMP 411.53 K
 MASS FLUX 18.83 KG/SEC-M**2
 INLET QUALITY .333
 INLET ENTHALPY 1.298E+06 J/KG
 QUENCH FRONT:
 ELEVATION .852 M
 VELOCITY .0023 M/SEC
 QUALITY .424
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION	DZQF	TV	XE XA
(M)	(M)	(K)	
1.537	.684	595.9	.517 .438

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		HEAT FLUX W/M**2	HEAT LOSS W/M**2
ELEVATION	TEMP	XE			
(M)	(K)				
.013	421.2	.334		1.47E+04	
.051	423.6	.338		1.48E+04	
.063	421.7	.339		1.48E+04	
.089	426.5	.341		1.48E+04	
.114	421.5	.344		1.48E+04	
.140	421.9	.346		1.48E+04	
.165	422.8	.348		1.47E+04	
.317	421.9	.362		1.48E+04	
.394	426.6	.370		1.49E+04	
.470	431.3	.377		1.52E+04	
.546	431.3	.384		1.53E+04	
.622	425.2	.391		1.52E+04	
.698	442.9	.399		1.66E+04	
.775	447.6	.408		2.08E+04	
.851	611.6	.423		4.30E+04	
.927	755.7	.440		2.81E+04	
1.003	769.2	.452		2.16E+04	
1.067	744.4	.460		1.91E+04	
1.156	774.0	.471		1.92E+04	
1.232	737.1	.480		1.83E+04	
1.257	745.5	.483		1.96E+04	
1.321	770.2	.491		1.90E+04	
1.384	816.7	.498		1.96E+04	
1.460	847.4	.508		1.95E+04	
1.511	847.3	.514		1.86E+04	
1.562	823.8	.520		1.95E+04	
1.613	842.3	.526		1.94E+04	
1.689	876.5	.535		1.92E+04	
1.765	891.7	.545		2.05E+04	
1.816	442.2	.551		1.53E+04	
1.867	439.7	.556		1.56E+04	
1.918	431.1	.560		1.51E+04	
1.994	444.1	.568		1.59E+04	
2.070	433.2	.575		1.53E+04	

INEL POST-CHF EXPERIMENT NO. 113

POINT SERIAL NO. 2113.010 (TIME= 86.50 SEC)

LOOP PRESSURE (PE-3) 15.35 MPA
 FCV TEMPERATURE (TE-FCV-1T) 589.8 K
 LHP INLET ENTHALPY 1.433E+06 J/KG
 TEST SECTION:
 PRESSURE .37 MPA
 SAT TEMP 414.02 K
 MASS FLUX 43.09 KG/SEC-M**2
 INLET QUALITY .393
 INLET ENTHALPY 1.433E+06 J/KG
 QUENCH FRONT:
 ELEVATION .113 M
 VELOCITY .0075 M/SEC
 QUALITY .422
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.537	1.424	710.6	.616	.478

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	463.8	.394	3.07E+04	
.051	537.7	.399	6.83E+04	
.063	489.8	.401	7.46E+04	
.089	548.9	.410	1.82E+05	
.114	663.3	.422	1.63E+05	
.140	779.4	.433	1.35E+05	
.165	762.3	.440	7.06E+04	
.317	867.0	.468	6.01E+04	
.394	919.4	.480	5.97E+04	
.470	942.8	.492	5.60E+04	
.546	954.9	.504	5.25E+04	
.622	957.7	.515	5.26E+04	
.698	967.2	.525	4.86E+04	
.775	972.0	.536	4.86E+04	
.851	977.0	.546	4.49E+04	
.927	971.1	.555	4.16E+04	
1.003	922.0	.563	3.43E+04	
1.067	814.6	.567	1.64E+04	
1.156	872.4	.572	2.69E+04	
1.232	831.1	.579	3.67E+04	
1.257	820.7	.582	5.08E+04	
1.321	856.2	.590	4.11E+04	
1.384	951.0	.598	5.11E+04	
1.461	972.0	.609	5.11E+04	
1.511	970.3	.616	4.83E+04	
1.562	947.4	.624	6.67E+04	
1.613	968.4	.633	6.04E+04	
1.689	992.7	.645	5.27E+04	
1.765	991.6	.655	4.73E+04	
1.816	969.5	.662	4.11E+04	
1.867	935.4	.667	4.19E+04	
1.918	909.7	.673	3.82E+04	
1.994	908.0	.680	2.74E+04	
2.070	847.8	.684	1.58E+04	

INEL POST-CHF EXPERIMENT NO. 113

POINT SERIAL NO. 3113.010 (TIME= 86.50 SEC)

LOOP PRESSURE (PE-3) 15.35 MPA
 FCV TEMPERATURE (TE-FCV-1T) 589.8 K
 LHP INLET ENTHALPY 1.433E+06 J/KG
 TEST SECTION:
 PRESSURE .37 MPA
 SAT TEMP 414.02 K
 MASS FLUX 43.09 KG/SEC-M**2
 INLET QUALITY .393
 INLET ENTHALPY 1.433E+06 J/KG
 QUENCH FRONT:
 ELEVATION .113 M
 VELOCITY .0075 M/SEC
 QUALITY .422
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.841	1.729	796.5	.662	.481

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	463.8	.394	3.07E+04	
.051	537.7	.399	6.83E+04	
.063	489.8	.401	7.46E+04	
.089	548.9	.410	1.82E+05	
.114	663.3	.422	1.63E+05	
.140	779.4	.433	1.35E+05	
.165	762.3	.440	7.06E+04	
.317	867.0	.468	6.01E+04	
.394	919.4	.480	5.97E+04	
.470	942.8	.492	5.60E+04	
.546	954.9	.504	5.25E+04	
.622	957.7	.515	5.26E+04	
.698	967.2	.525	4.86E+04	
.775	972.0	.536	4.86E+04	
.851	977.0	.546	4.49E+04	
.927	971.1	.555	4.16E+04	
1.003	922.0	.563	3.43E+04	
1.067	814.6	.567	1.64E+04	
1.156	872.4	.572	2.69E+04	
1.232	831.1	.579	3.67E+04	
1.257	820.7	.582	5.08E+04	
1.321	856.2	.590	4.11E+04	
1.384	951.0	.598	5.11E+04	
1.460	972.0	.609	5.11E+04	
1.511	970.3	.616	4.83E+04	
1.562	947.4	.624	6.67E+04	
1.613	968.4	.633	6.04E+04	
1.689	992.7	.645	5.27E+04	
1.765	991.6	.655	4.73E+04	
1.816	969.5	.662	4.11E+04	
1.867	935.4	.667	4.19E+04	
1.918	909.7	.673	3.82E+04	
1.994	908.0	.680	2.74E+04	
2.070	847.8	.684	1.58E+04	

INEL POST-CHF EXPERIMENT NO. 113

POINT SERIAL NO. 2113.020 (TIME= 93.50 SEC)

LOOP PRESSURE(PE-3) 15.37 MPA
 FCV TEMPERATURE(TE-FCV-1T) 588.9 K
 LHP INLET ENTHALPY 1.428E+06 J/KG
 TEST SECTION:
 PRESSURE .38 MPA
 SAT TEMP 414.47 K
 MASS FLUX 42.00 KG/SEC-M**2
 INLET QUALITY .389
 INLET ENTHALPY 1.428E+06 J/KG
 QUENCH FRONT:
 ELEVATION .165 M
 VELOCITY .0091 M/SEC
 QUALITY .421
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	1.372	690.6	.606	.477

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	451.5	.390	2.40E+04	
.051	502.8	.394	4.30E+04	
.063	456.9	.395	3.17E+04	
.089	491.3	.398	5.08E+04	
.114	486.2	.403	8.09E+04	
.140	499.6	.411	1.51E+05	
.165	620.8	.421	1.15E+05	
.317	831.9	.458	5.85E+04	
.394	885.2	.471	5.76E+04	
.470	911.7	.483	5.45E+04	
.546	926.6	.494	5.11E+04	
.622	929.5	.505	5.09E+04	
.698	941.8	.516	4.74E+04	
.775	946.8	.526	4.73E+04	
.851	954.3	.536	4.42E+04	
.927	950.4	.545	4.20E+04	
1.003	906.4	.554	3.56E+04	
1.067	811.4	.559	2.06E+04	
1.156	862.2	.565	2.78E+04	
1.232	811.9	.572	3.72E+04	
1.257	796.8	.575	4.03E+04	
1.321	837.4	.582	3.66E+04	
1.384	924.9	.589	4.67E+04	
1.460	946.5	.599	4.51E+04	
1.511	946.0	.606	4.39E+04	
1.562	912.5	.613	5.53E+04	
1.613	937.6	.620	5.16E+04	
1.689	966.5	.631	4.71E+04	
1.765	969.0	.641	4.27E+04	
1.816	950.2	.647	3.81E+04	
1.867	915.5	.652	3.98E+04	
1.918	892.9	.658	3.53E+04	
1.994	897.7	.664	2.82E+04	
2.070	846.4	.669	1.72E+04	

INEL POST-CHF EXPERIMENT NO. 113

POINT SERIAL NO. 3113.020 (TIME= 93.50 SEC)

LOOP PRESSURE(PE-3) 15.37 MPA
 FCV TEMPERATURE(TE-FCV-1T) 588.9 K
 LHP INLET ENTHALPY 1.428E+06 J/KG
 TEST SECTION:
 PRESSURE .38 MPA
 SAT TEMP 414.47 K
 MASS FLUX 42.00 KG/SEC-M**2
 INLET QUALITY .389
 INLET ENTHALPY 1.428E+06 J/KG
 QUENCH FRONT:
 ELEVATION .165 M
 VELOCITY .0091 M/SEC
 QUALITY .421
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.677	765.4	.647	.481

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	451.5	.390	2.40E+04	
.051	502.8	.394	4.30E+04	
.063	456.9	.395	3.17E+04	
.089	491.3	.398	5.08E+04	
.114	486.2	.403	8.09E+04	
.140	499.6	.411	1.51E+05	
.165	620.8	.421	1.15E+05	
.317	831.9	.458	5.85E+04	
.394	885.2	.471	5.76E+04	
.470	911.7	.483	5.45E+04	
.546	926.6	.494	5.11E+04	
.622	929.5	.505	5.09E+04	
.698	941.8	.516	4.74E+04	
.775	946.8	.526	4.73E+04	
.851	954.3	.536	4.42E+04	
.927	950.4	.545	4.20E+04	
1.003	906.4	.554	3.56E+04	
1.067	811.4	.559	2.06E+04	
1.156	862.2	.565	2.78E+04	
1.232	811.9	.572	3.72E+04	
1.257	796.8	.575	4.03E+04	
1.321	837.4	.582	3.66E+04	
1.384	924.9	.589	4.67E+04	
1.460	946.5	.599	4.61E+04	
1.511	946.0	.606	4.39E+04	
1.562	912.5	.613	5.53E+04	
1.613	937.6	.620	5.16E+04	
1.689	966.5	.631	4.71E+04	
1.765	969.0	.641	4.27E+04	
1.816	950.2	.647	3.81E+04	
1.867	915.5	.652	3.98E+04	
1.918	892.9	.658	3.53E+04	
1.994	897.7	.664	2.82E+04	
2.070	846.4	.669	1.72E+04	

INEL POST-CHF EXPERIMENT NO. 113

POINT SERIAL NO. 2113.030 (TIME= 101.50 SEC)

LOOP PRESSURE(PE-3) 15.35 MPA
 FCV TEMPERATURE(TE-FCV-1T) 589.4 K
 LHP INLET ENTHALPY 1.431E+06 J/KG
 TEST SECTION:
 PRESSURE .37 MPA
 SAT TEMP 414.35 K
 MASS FLUX 41.25 KG/SEC-M**2
 INLET QUALITY .391
 INLET ENTHALPY 1.431E+06 J/KG
 QUENCH FRONT:
 ELEVATION .237 M
 VELOCITY .0091 M/SEC
 QUALITY .426
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	1.299	664.2	.597	.480

WALL TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	443.2	.392	2.10E+04	
.051	479.0	.395	3.40E+04	
.063	444.7	.396	2.37E+04	
.089	469.4	.398	3.11E+04	
.114	458.3	.400	3.38E+04	
.140	456.2	.403	6.24E+04	
.165	491.1	.409	8.04E+04	
.317	766.0	.446	9.04E+04	
.394	846.3	.462	5.81E+04	
.470	876.3	.474	5.43E+04	
.546	894.4	.486	5.08E+04	
.622	898.0	.497	5.00E+04	
.698	913.2	.508	4.69E+04	
.775	918.7	.518	4.64E+04	
.851	929.0	.528	4.34E+04	
.927	926.5	.537	4.18E+04	
1.003	887.2	.546	3.64E+04	
1.067	804.0	.551	2.32E+04	
1.156	849.4	.558	2.88E+04	
1.232	791.3	.565	3.56E+04	
1.257	776.4	.568	3.62E+04	
1.321	818.5	.574	3.44E+04	
1.384	898.1	.581	4.44E+04	
1.460	920.4	.591	4.40E+04	
1.511	920.8	.597	4.21E+04	
1.562	879.7	.604	5.02E+04	
1.613	907.5	.611	4.80E+04	
1.689	939.9	.622	4.47E+04	
1.765	945.7	.631	4.10E+04	
1.816	929.6	.637	3.71E+04	
1.867	893.6	.642	3.91E+04	
1.918	874.6	.648	3.50E+04	
1.994	885.0	.655	2.91E+04	
2.070	842.3	.660	1.99E+04	

INEL POST-CHF EXPERIMENT NO. 113

POINT SERIAL NO. 3113.030 (TIME= 101.50 SEC)

LOOP PRESSURE(PE-3) 15.35 MPA
 FCV TEMPERATURE(TE-FCV-1T) 589.4 K
 LHP INLET ENTHALPY 1.431E+06 J/KG
 TEST SECTION:
 PRESSURE .37 MPA
 SAT TEMP 414.35 K
 MASS FLUX 41.25 KG/SEC-M**2
 INLET QUALITY .391
 INLET ENTHALPY 1.431E+06 J/KG
 QUENCH FRONT:
 ELEVATION .237 M
 VELOCITY .0091 M/SEC
 QUALITY .426
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.604	745.7	.637	.481

WALL TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	443.2	.392	2.10E+04	
.051	479.0	.395	3.40E+04	
.063	444.7	.396	2.37E+04	
.089	469.4	.398	3.11E+04	
.114	458.3	.400	3.38E+04	
.140	456.2	.403	6.24E+04	
.165	491.1	.409	8.04E+04	
.317	766.0	.446	9.04E+04	
.394	846.3	.462	5.81E+04	
.470	876.3	.474	5.43E+04	
.546	894.4	.486	5.08E+04	
.622	898.0	.497	5.00E+04	
.698	913.2	.508	4.69E+04	
.775	918.7	.518	4.64E+04	
.851	929.0	.528	4.34E+04	
.927	926.5	.537	4.18E+04	
1.003	887.2	.546	3.64E+04	
1.067	804.0	.551	2.32E+04	
1.156	849.4	.558	2.88E+04	
1.232	791.3	.565	3.56E+04	
1.257	776.4	.568	3.62E+04	
1.321	818.5	.574	3.44E+04	
1.384	898.1	.581	4.44E+04	
1.460	920.4	.591	4.40E+04	
1.511	920.8	.597	4.21E+04	
1.562	879.7	.604	5.02E+04	
1.613	907.5	.611	4.80E+04	
1.689	939.9	.622	4.47E+04	
1.765	945.7	.631	4.10E+04	
1.816	929.6	.637	3.71E+04	
1.867	893.6	.642	3.91E+04	
1.918	874.6	.648	3.50E+04	
1.994	885.0	.655	2.91E+04	
2.070	842.3	.660	1.99E+04	

INEL POST-CHF EXPERIMENT NO. 113

POINT SERIAL NO. 2113.040 (TIME= 109.50 SEC)

LOOP PRESSURE{PE-3} 15.37 MPA
 FCV TEMPERATURE{TE-FCV-1T} 590.1 K
 LHP INLET ENTHALPY 1.435E+06 J/KG
 TEST SECTION:
 PRESSURE .37 MPA
 SAT TEMP 414.28 K
 MASS FLUX 41.36 KG/SEC-M**2
 INLET QUALITY .393
 INLET ENTHALPY 1.435E+06 J/KG
 QUENCH FRONT:
 ELEVATION .316 M
 VELOCITY .0099 M/SEC
 QUALITY .432
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	1.221	634.8	.597	.491

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	436.9	.394	1.91E+04	
.051	461.4	.396	2.72E+04	
.063	436.7	.397	1.96E+04	
.089	456.1	.399	2.30E+04	
.114	445.1	.400	2.22E+04	
.140	432.8	.402	2.33E+04	
.165	440.4	.404	3.76E+04	
.317	646.4	.433	9.19E+04	
.394	786.0	.455	1.08E+05	
.470	840.3	.473	5.47E+04	
.546	862.1	.484	5.06E+04	
.622	866.6	.495	4.93E+04	
.698	884.8	.506	4.64E+04	
.775	890.9	.516	4.56E+04	
.851	903.9	.525	4.27E+04	
.927	902.6	.535	4.15E+04	
1.003	867.4	.543	3.68E+04	
1.067	795.0	.549	2.51E+04	
1.156	835.9	.556	2.96E+04	
1.232	770.0	.563	3.80E+04	
1.257	752.5	.566	4.77E+04	
1.321	800.7	.574	3.35E+04	
1.384	872.1	.581	4.35E+04	
1.460	895.0	.590	4.31E+04	
1.511	896.1	.597	4.13E+04	
1.562	849.6	.603	4.64E+04	
1.613	879.0	.610	4.56E+04	
1.689	914.2	.619	4.32E+04	
1.765	923.0	.629	4.03E+04	
1.816	909.1	.634	3.70E+04	
1.867	872.1	.640	3.84E+04	
1.918	856.3	.645	3.51E+04	
1.994	871.7	.652	3.00E+04	
2.070	836.5	.658	2.24E+04	

INEL POST-CHF EXPERIMENT NO. 113

POINT SERIAL NO. 3113.040 (TIME= 109.50 SEC)

LOOP PRESSURE{PE-3} 15.37 MPA
 FCV TEMPERATURE{TE-FCV-1T} 590.1 K
 LHP INLET ENTHALPY 1.435E+06 J/KG
 TEST SECTION:
 PRESSURE .37 MPA
 SAT TEMP 414.28 K
 MASS FLUX 41.36 KG/SEC-M**2
 INLET QUALITY .393
 INLET ENTHALPY 1.435E+06 J/KG
 QUENCH FRONT:
 ELEVATION .316 M
 VELOCITY .0099 M/SEC
 QUALITY .432
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.525	720.7	.634	.488

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	436.9	.394	1.91E+04	
.051	461.4	.396	2.72E+04	
.063	436.7	.397	1.96E+04	
.089	456.1	.399	2.30E+04	
.114	445.1	.400	2.22E+04	
.140	432.8	.402	2.33E+04	
.165	440.4	.404	3.76E+04	
.317	646.4	.433	9.19E+04	
.394	786.0	.455	1.08E+05	
.470	840.3	.473	5.47E+04	
.546	862.1	.484	5.06E+04	
.622	866.6	.495	4.93E+04	
.698	884.8	.506	4.64E+04	
.775	890.9	.516	4.56E+04	
.851	903.9	.525	4.27E+04	
.927	902.6	.535	4.15E+04	
1.003	867.4	.543	3.68E+04	
1.067	795.0	.549	2.51E+04	
1.156	835.9	.556	2.96E+04	
1.232	770.0	.563	3.80E+04	
1.257	752.5	.566	4.77E+04	
1.321	800.7	.574	3.35E+04	
1.384	872.1	.581	4.35E+04	
1.460	895.0	.590	4.31E+04	
1.511	896.1	.597	4.13E+04	
1.562	849.6	.603	4.64E+04	
1.613	879.0	.610	4.56E+04	
1.689	914.2	.619	4.32E+04	
1.765	923.0	.629	4.03E+04	
1.816	909.1	.634	3.70E+04	
1.867	872.1	.640	3.84E+04	
1.918	856.3	.645	3.51E+04	
1.994	871.7	.652	3.00E+04	
2.070	836.5	.658	2.24E+04	

INEL POST-CHF EXPERIMENT NO. 113

POINT SERIAL NO. 2113.050 (TIME= 115.50 SEC)

LOOP PRESSURE(PE-3) 15.36 MPA
 FCV TEMPERATURE(TE-FCV-1T) 590.7 K
 LHP INLET ENTHALPY 1.439E+06 J/KG
 TEST SECTION:
 PRESSURE .37 MPA
 SAT TEMP 414.21 K
 MASS FLUX 41.16 KG/SEC-M**2
 INLET QUALITY .395
 INLET ENTHALPY 1.439E+06 J/KG
 QUENCH FRONT:
 ELEVATION .373 M
 VELOCITY .0087 M/SEC
 QUALITY .440
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.537	1.164	607.1	.599	.504

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	433.3	.396	1.80E+04	
.051	452.2	.398	2.37E+04	
.063	432.9	.399	1.82E+04	
.089	450.1	.400	2.06E+04	
.114	439.7	.402	1.97E+04	
.140	427.3	.403	1.90E+04	
.165	433.9	.404	1.99E+04	
.317	535.9	.425	7.21E+04	
.394	761.3	.446	1.21E+05	
.470	812.2	.467	6.63E+04	
.546	837.7	.480	5.06E+04	
.622	843.3	.490	4.89E+04	
.698	863.6	.501	4.59E+04	
.775	870.3	.511	4.50E+04	
.851	885.4	.521	4.22E+04	
.927	884.9	.530	4.11E+04	
1.003	852.4	.538	3.71E+04	
1.067	787.3	.544	2.61E+04	
1.156	825.3	.551	3.02E+04	
1.232	751.4	.559	4.22E+04	
1.257	722.8	.563	6.34E+04	
1.321	782.4	.574	5.55E+04	
1.384	852.4	.583	4.42E+04	
1.460	875.8	.593	4.38E+04	
1.511	877.5	.599	4.16E+04	
1.562	828.5	.606	4.45E+04	
1.613	858.4	.612	4.47E+04	
1.689	895.3	.622	4.29E+04	
1.765	906.0	.631	4.04E+04	
1.816	893.5	.637	3.74E+04	
1.867	856.1	.642	3.82E+04	
1.918	842.3	.648	3.56E+04	
1.994	861.0	.655	3.11E+04	
2.070	830.5	.661	2.44E+04	

INEL POST-CHF EXPERIMENT NO. 113

POINT SERIAL NO. 3113.050 (TIME= 115.50 SEC)

LOOP PRESSURE(PE-3) 15.36 MPA
 FCV TEMPERATURE(TE-FCV-1T) 590.7 K
 LHP INLET ENTHALPY 1.439E+06 J/KG
 TEST SECTION:
 PRESSURE .37 MPA
 SAT TEMP 414.21 K
 MASS FLUX 41.16 KG/SEC-M**2
 INLET QUALITY .395
 INLET ENTHALPY 1.439E+06 J/KG
 QUENCH FRONT:
 ELEVATION .373 M
 VELOCITY .0087 M/SEC
 QUALITY .440
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.841	1.468	700.3	.637	.498

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	433.3	.396	1.80E+04	
.051	452.2	.398	2.37E+04	
.063	432.9	.399	1.82E+04	
.089	450.1	.400	2.06E+04	
.114	439.7	.402	1.97E+04	
.140	427.3	.403	1.90E+04	
.165	433.9	.404	1.99E+04	
.317	535.9	.425	7.21E+04	
.394	761.3	.446	1.21E+05	
.470	812.2	.467	6.63E+04	
.546	837.7	.480	5.06E+04	
.622	843.3	.490	4.89E+04	
.698	863.6	.501	4.59E+04	
.775	870.3	.511	4.50E+04	
.851	885.4	.521	4.22E+04	
.927	884.9	.530	4.11E+04	
1.003	852.4	.538	3.71E+04	
1.067	787.3	.544	2.61E+04	
1.156	825.3	.551	3.02E+04	
1.232	751.4	.559	4.22E+04	
1.257	722.8	.563	6.34E+04	
1.321	782.4	.574	5.55E+04	
1.384	852.4	.583	4.42E+04	
1.460	875.8	.593	4.38E+04	
1.511	877.5	.599	4.16E+04	
1.562	828.5	.606	4.45E+04	
1.613	858.4	.612	4.47E+04	
1.689	895.3	.622	4.29E+04	
1.765	906.0	.631	4.04E+04	
1.816	893.5	.637	3.74E+04	
1.867	856.1	.642	3.82E+04	
1.918	842.3	.648	3.56E+04	
1.994	861.0	.655	3.11E+04	
2.070	830.5	.661	2.44E+04	

INEL POST-CHF EXPERIMENT NO. 113

POINT SERIAL NO. 2113.060 (TIME= 120.50 SEC)

LOOP PRESSURE(PE-3) 15.36 MPA
 FCV TEMPERATURE(TE-FCV-1T) 591.2 K
 LHP INLET ENTHALPY 1.442E+06 J/KG
 TEST SECTION:
 PRESSURE .37 MPA
 SAT TEMP 414.08 K
 MASS FLUX 40.86 KG/SEC-M**2
 INLET QUALITY .396
 INLET ENTHALPY 1.442E+06 J/KG
 QUENCH FRONT:
 ELEVATION .417 M
 VELOCITY .0087 M/SEC
 QUALITY .444
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	1.120	584.3	.603	.517

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	430.8	.397	1.74E+04	
.051	446.5	.399	2.17E+04	
.063	430.4	.400	1.75E+04	
.089	446.3	.401	1.91E+04	
.114	436.4	.403	1.84E+04	
.140	424.6	.404	1.74E+04	
.165	430.6	.405	1.82E+04	
.317	466.6	.420	4.74E+04	
.394	541.0	.438	1.15E+05	
.470	756.6	.459	7.87E+04	
.546	816.9	.474	5.14E+04	
.622	823.9	.485	4.86E+04	
.698	846.1	.495	4.55E+04	
.775	853.4	.505	4.45E+04	
.851	870.1	.515	4.19E+04	
.927	870.2	.524	4.08E+04	
1.003	839.7	.533	3.70E+04	
1.067	780.4	.539	2.68E+04	
1.156	816.3	.546	3.02E+04	
1.232	733.2	.554	4.59E+04	
1.257	689.7	.559	7.38E+04	
1.321	774.5	.573	8.36E+04	
1.384	834.9	.586	5.04E+04	
1.460	859.1	.596	4.52E+04	
1.511	861.6	.603	4.26E+04	
1.562	811.7	.609	4.37E+04	
1.613	841.6	.616	4.42E+04	
1.689	879.6	.626	4.31E+04	
1.765	891.7	.635	4.09E+04	
1.816	880.2	.641	3.82E+04	
1.867	842.7	.646	3.84E+04	
1.918	830.1	.652	3.65E+04	
1.994	851.5	.660	3.20E+04	
2.070	824.5	.666	2.61E+04	

INEL POST-CHF EXPERIMENT NO. 113

POINT SERIAL NO. 3113.060 (TIME= 120.50 SEC)

LOOP PRESSURE(PE-3) 15.36 MPA
 FCV TEMPERATURE(TE-FCV-1T) 591.2 K
 LHP INLET ENTHALPY 1.442E+06 J/KG
 TEST SECTION:
 PRESSURE .37 MPA
 SAT TEMP 414.08 K
 MASS FLUX 40.86 KG/SEC-M**2
 INLET QUALITY .396
 INLET ENTHALPY 1.442E+06 J/KG
 QUENCH FRONT:
 ELEVATION .417 M
 VELOCITY .0087 M/SEC
 QUALITY .444
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.425	682.7	.641	.508

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	430.8	.397	1.74E+04	
.051	446.5	.399	2.17E+04	
.063	430.4	.400	1.75E+04	
.089	446.3	.401	1.91E+04	
.114	436.4	.403	1.84E+04	
.140	424.6	.404	1.74E+04	
.165	430.6	.405	1.82E+04	
.317	466.6	.420	4.74E+04	
.394	541.0	.438	1.15E+05	
.470	756.6	.459	7.87E+04	
.546	816.9	.474	5.14E+04	
.622	823.9	.485	4.86E+04	
.698	846.1	.495	4.55E+04	
.775	853.4	.505	4.45E+04	
.851	870.1	.515	4.19E+04	
.927	870.2	.524	4.08E+04	
1.003	839.7	.533	3.70E+04	
1.067	780.4	.539	2.68E+04	
1.156	816.3	.546	3.02E+04	
1.232	733.2	.554	4.59E+04	
1.257	689.7	.559	7.38E+04	
1.321	774.5	.573	8.36E+04	
1.384	834.9	.586	5.04E+04	
1.460	859.1	.596	4.52E+04	
1.511	861.6	.603	4.26E+04	
1.562	811.7	.609	4.37E+04	
1.613	841.6	.616	4.42E+04	
1.689	879.6	.626	4.31E+04	
1.765	891.7	.635	4.09E+04	
1.816	880.2	.641	3.82E+04	
1.867	842.7	.646	3.84E+04	
1.918	830.1	.652	3.65E+04	
1.994	851.5	.660	3.20E+04	
2.070	824.5	.666	2.61E+04	

INEL POST-CHF EXPERIMENT NO. 113

POINT SERIAL NO. 3113.070 (TIME= 127.50 SEC)

LOOP PRESSURE(PE-3) 15.21 MPA
 FCV TEMPERATURE(TE-FCV-1T) 591.8 K
 LHP INLET ENTHALPY 1.446E+06 J/KG
 TEST SECTION:
 PRESSURE .37 MPA
 SAT TEMP 413.96 K
 MASS FLUX 40.65 KG/SEC-M**2
 INLET QUALITY .398
 INLET ENTHALPY 1.446E+06 J/KG
 QUENCH FRONT:
 ELEVATION .474 M
 VELOCITY .0080 M/SEC
 QUALITY .445
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.368	642.5	.656	.537

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION			HEAT LOSS W/M**2
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2		
.013	428.1	.399	1.68E+04		
.051	440.3	.401	1.97E+04		
.063	427.8	.402	1.66E+04		
.089	442.3	.403	1.79E+04		
.11	432.9	.404	1.74E+04		
.147	422.2	.406	1.62E+04		
.165	427.4	.407	1.70E+04		
.317	446.3	.416	2.43E+04		
.394	499.6	.427	7.38E+04		
.470	659.4	.444	8.03E+04		
.546	768.1	.462	8.20E+04		
.622	796.2	.477	4.96E+04		
.698	821.6	.487	4.51E+04		
.775	829.9	.497	4.39E+04		
.851	848.9	.507	4.14E+04		
.927	849.8	.516	4.01E+04		
1.003	821.9	.525	3.68E+04		
1.067	770.3	.531	2.73E+04		
1.156	803.6	.538	3.03E+04		
1.232	704.6	.547	4.83E+04		
1.257	635.6	.551	7.65E+04		
1.321	682.5	.568	1.07E+05		
1.384	770.6	.590	1.28E+05		
1.460	833.2	.610	5.03E+04		
1.511	838.0	.617	4.49E+04		
1.562	788.0	.624	4.41E+04		
1.613	817.9	.630	4.45E+04		
1.689	856.9	.640	4.40E+04		
1.765	870.7	.650	4.23E+04		
1.816	860.4	.656	3.97E+04		
1.867	823.6	.662	3.89E+04		
1.918	812.3	.668	3.74E+04		
1.994	837.2	.675	3.34E+04		
2.070	814.5	.682	2.83E+04		

INEL POST-CHF EXPERIMENT NO. 114

POINT SERIAL NO. 2114.020 (TIME= 259.50 SEC)

LOOP PRESSURE(PE-3) 16.00 MPA
 FCV TEMPERATURE(TE-FCV-1T) 613.0 K
 LHP INLET ENTHALPY 1.589E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.40 K
 MASS FLUX 16.86 KG/SEC-M**2
 INLET QUALITY .452
 INLET ENTHALPY 1.589E+06 J/KG
 QUENCH FRONT:
 ELEVATION .311 M
 VELOCITY .0017 M/SEC
 QUALITY .508
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	1.226	797.3	.721	.524

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION			HEAT LOSS W/M**2
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2		
.013	425.8	.454	1.95E+04		
.051	431.2	.460	1.97E+04		
.063	428.3	.461	1.97E+04		
.089	436.0	.465	1.99E+04		
.114	429.6	.469	1.98E+04		
.140	427.8	.472	1.96E+04		
.165	428.9	.476	1.98E+04		
.317	621.4	.510	4.29E+04		
.394	830.0	.530	3.09E+04		
.470	875.5	.546	2.84E+04		
.546	907.6	.561	2.74E+04		
.622	925.9	.576	2.66E+04		
.698	944.5	.591	2.61E+04		
.775	956.3	.605	2.56E+04		
.851	966.6	.619	2.52E+04		
.927	968.2	.632	2.43E+04		
1.003	952.6	.645	2.27E+04		
1.067	870.4	.654	1.88E+04	1.80E+03	
1.156	915.5	.667	1.98E+04	5.20E+02	
1.232	880.6	.677	1.96E+04		
1.257	899.8	.681	2.08E+04		
1.321	913.1	.691	2.13E+04		
1.384	973.9	.700	2.22E+04		
1.460	1009.7	.713	2.25E+04		
1.511	1012.5	.721	2.13E+04		
1.562	990.9	.729	2.25E+04		
1.613	1006.7	.737	2.27E+04		
1.689	1035.8	.749	2.25E+04		
1.765	1052.0	.761	2.16E+04		
1.816	1040.5	.769	1.98E+04		
1.867	1001.0	.776	2.03E+04		
1.918	987.8	.783	1.99E+04		
1.994	985.9	.794	1.88E+04		
2.070	983.8	.804	1.71E+04		

INEL POST-CHF EXPERIMENT NO. 114

POINT SERIAL NO. 1114.050 (TIME= 423.50 SEC)

LOOP PRESSURE(PE-3) 16.08 MPA
 FCV TEMPERATURE(TE-FCV-1T) 612.5 K
 LHP INLET ENTHALPY 1.585E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.17 K
 MASS FLUX 16.43 KG/SEC-M**2
 INLET QUALITY .451
 INLET ENTHALPY 1.585E+06 J/KG
 QUENCH FRONT:
 ELEVATION .546 M
 VELOCITY .0014 M/SEC
 QUALITY .536
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.685	598.4	.657	.559

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	421.6	.452	1.90E+04	
.051	427.0	.458	1.93E+04	
.063	424.9	.460	1.93E+04	
.089	430.2	.463	1.93E+04	
.114	424.6	.467	1.93E+04	
.140	424.8	.470	1.93E+04	
.165	425.6	.474	1.93E+04	
.317	427.5	.496	1.95E+04	
.394	437.2	.507	2.03E+04	
.470	451.1	.519	2.21E+04	
.546	599.9	.536	3.84E+04	
.622	803.4	.554	2.87E+04	
.698	843.6	.570	2.61E+04	
.775	866.5	.584	2.50E+04	
.851	885.7	.598	2.42E+04	
.927	896.6	.611	2.38E+04	
1.003	895.0	.624	2.33E+04	
1.067	834.5	.634	2.01E+04	1.68E+03
1.156	878.7	.648	2.14E+04	8.77E+02
1.232	843.9	.660	2.13E+04	
1.257	858.4	.664	2.30E+04	
1.321	873.7	.675	2.27E+04	
1.384	925.7	.685	2.29E+04	
1.460	959.0	.698	2.31E+04	
1.511	961.5	.707	2.18E+04	
1.562	940.9	.715	2.32E+04	
1.613	956.5	.724	2.30E+04	
1.689	989.1	.736	2.28E+04	
1.765	1012.4	.749	2.26E+04	
1.816	1006.3	.757	2.13E+04	
1.867	974.0	.765	2.22E+04	
1.918	967.1	.774	2.21E+04	
1.994	977.2	.786	2.15E+04	
2.070	989.5	.798	2.12E+04	

INEL POST-CHF EXPERIMENT NO. 114

POINT SERIAL NO. 2114.050 (TIME= 423.50 SEC)

LOOP PRESSURE(PE-3) 16.08 MPA
 FCV TEMPERATURE(TE-FCV-1T) 612.5 K
 LHP INLET ENTHALPY 1.585E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.17 K
 MASS FLUX 16.43 KG/SEC-M**2
 INLET QUALITY .451
 INLET ENTHALPY 1.585E+06 J/KG
 QUENCH FRONT:
 ELEVATION .546 M
 VELOCITY .0014 M/SEC
 QUALITY .536
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.990	720.0	.711	.548

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	421.6	.452	1.90E+04	
.051	427.0	.458	1.93E+04	
.063	424.9	.460	1.93E+04	
.089	430.2	.463	1.93E+04	
.114	424.6	.467	1.93E+04	
.140	424.8	.470	1.93E+04	
.165	425.6	.474	1.93E+04	
.317	427.5	.496	1.95E+04	
.394	437.2	.507	2.03E+04	
.470	451.1	.519	2.21E+04	
.546	599.9	.536	3.84E+04	
.622	803.4	.554	2.87E+04	
.698	843.6	.570	2.61E+04	
.775	866.5	.584	2.50E+04	
.851	885.7	.598	2.42E+04	
.927	896.6	.611	2.38E+04	
1.003	895.0	.624	2.33E+04	
1.067	834.5	.634	2.01E+04	1.88E+03
1.156	878.7	.648	2.14E+04	8.77E+02
1.232	843.9	.660	2.13E+04	
1.257	858.4	.664	2.30E+04	
1.321	873.7	.675	2.27E+04	
1.384	925.7	.685	2.29E+04	
1.460	959.0	.698	2.31E+04	
1.511	961.5	.707	2.18E+04	
1.562	940.9	.715	2.32E+04	
1.613	956.5	.724	2.30E+04	
1.689	989.1	.736	2.28E+04	
1.765	1012.4	.749	2.26E+04	
1.816	1006.3	.757	2.13E+04	
1.867	974.0	.765	2.22E+04	
1.918	967.1	.774	2.21E+04	
1.994	977.2	.786	2.15E+04	
2.070	989.5	.798	2.12E+04	

INEL POST-CHF EXPERIMENT NO. 114

POINT SERIAL NO. 3114.050 (TIME= 23.50 SEC)

LOOP PRESSURE(PE-3) 16.08 MPA
 FCV TEMPERATURE(TE-FCV-1T) 612.5 K
 LHP INLET ENTHALPY 1.585E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.17 K
 MASS FLUX 16.43 KG/SEC-M**2
 INLET QUALITY .451
 INLET ENTHALPY 1.585E+06 J/KG
 QUENCH FRONT:
 ELEVATION .546 M
 VELOCITY .0014 M/SEC
 QUALITY .536
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	(K)	XE	XA
1.841	1.295	840.1	.761	.536

WALL TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	421.6	.452	1.90E+04	
.051	427.0	.458	1.93E+04	
.063	424.9	.460	1.93E+04	
.089	430.2	.463	1.93E+04	
.114	424.6	.467	1.93E+04	
.140	424.8	.470	1.93E+04	
.165	425.6	.474	1.93E+04	
.317	427.5	.496	1.95E+04	
.394	437.2	.507	2.03E+04	
.470	451.1	.519	2.21E+04	
.546	599.9	.536	3.84E+04	
.622	803.4	.554	2.87E+04	
.698	843.6	.570	2.61E+04	
.775	866.5	.584	2.50E+04	
.851	885.7	.598	2.42E+04	
.927	896.6	.611	2.38E+04	
1.003	895.0	.624	2.33E+04	
1.067	834.5	.634	2.01E+04	1.88E+03
1.156	878.7	.648	2.14E+04	8.77E+02
1.232	843.9	.660	2.13E+04	
1.257	858.4	.664	2.30E+04	
1.321	873.7	.675	2.27E+04	
1.384	925.7	.685	2.29E+04	
1.460	959.0	.698	2.31E+04	
1.511	961.5	.707	2.18E+04	
1.562	940.9	.715	2.32E+04	
1.613	956.5	.724	2.30E+04	
1.689	989.1	.736	2.28E+04	
1.765	1012.4	.749	2.26E+04	
1.816	1006.3	.757	2.13E+04	
1.867	974.0	.765	2.22E+04	
1.918	967.1	.774	2.21E+04	
1.994	977.2	.786	2.15E+04	
2.070	989.5	.798	2.12E+04	

INEL POST-CHF EXPERIMENT NO. 114

POINT SERIAL NO. 1114.060 (TIME= 476.50 SEC)

LOOP PRESSURE(PE-3) 16.13 MPA
 FCV TEMPERATURE(TE-FCV-1T) 613.0 K
 LHP INLET ENTHALPY 1.589E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.12 K
 MASS FLUX 16.29 KG/SEC-M**2
 INLET QUALITY .453
 INLET ENTHALPY 1.589E+06 J/KG
 QUENCH FRONT:
 ELEVATION .621 M
 VELOCITY .0014 M/SEC
 QUALITY .553
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	(K)	XE	XA
1.232	.610	577.4	.664	.574

WALL TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	420.0	.454	1.86E+04	
.051	426.6	.460	1.93E+04	
.063	424.6	.462	1.94E+04	
.089	429.5	.465	1.93E+04	
.114	424.2	.469	1.94E+04	
.140	424.5	.473	1.93E+04	
.165	425.2	.476	1.94E+04	
.317	426.4	.498	1.94E+04	
.394	432.6	.509	1.98E+04	
.470	439.9	.520	2.02E+04	
.546	452.3	.532	2.23E+04	
.622	661.1	.554	5.30E+04	
.698	804.0	.576	2.72E+04	
.775	836.2	.591	2.50E+04	
.851	860.6	.605	2.41E+04	
.927	874.5	.618	2.35E+04	
1.003	875.7	.631	2.31E+04	
1.067	820.0	.642	1.99E+04	1.95E+03
1.156	863.2	.655	2.08E+04	1.27E+03
1.232	828.3	.667	2.10E+04	
1.257	842.0	.671	2.23E+04	
1.321	858.6	.681	2.24E+04	
1.384	909.0	.692	2.25E+04	
1.460	942.2	.705	2.27E+04	
1.511	944.4	.713	2.14E+04	
1.562	924.8	.721	2.21E+04	
1.613	940.5	.729	2.22E+04	
1.689	973.6	.742	2.22E+04	
1.765	998.2	.754	2.20E+04	
1.816	992.9	.762	2.07E+04	
1.867	962.5	.770	2.15E+04	
1.918	956.9	.778	2.13E+04	
1.994	968.5	.790	2.13E+04	
2.070	982.4	.802	2.10E+04	

INEL POST-CHF EXPERIMENT NO. 114

POINT SERIAL NO. 2114.060 (TIME= 476.50 SEC)

LOOP PRESSURE (PE-3) 16.13 MPA
 FCV TEMPERATURE (TE-FCV-11) 613.0 K
 LHP INLET ENTHALPY 1.589E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.12 K
 MASS FLUX 16.29 KG/SEC-M**2
 INLET QUALITY .453
 INLET ENTHALPY 1.589E+06 J/KG
 QUENCH FRONT:
 ELEVATION .621 M
 VELOCITY .0014 M/SEC
 QUALITY .553
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION (M) DZQF (M) TV (K) XE XA

1.537 .915 697.3 .717 .563

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION (M) TEMP (K) XE HEAT FLUX W/M**2 HEAT LOSS W/M**2

.013	420.0	.454	1.86E+04	
.051	426.5	.460	1.93E+04	
.063	424.6	.462	1.94E+04	
.089	429.5	.465	1.93E+04	
.114	424.2	.469	1.94E+04	
.140	424.5	.473	1.93E+04	
.165	425.2	.476	1.94E+04	
.317	426.4	.498	1.94E+04	
.394	432.6	.509	1.98E+04	
.470	439.9	.520	2.02E+04	
.546	452.3	.532	2.23E+04	
.622	661.1	.554	5.30E+04	
.698	804.0	.576	2.72E+04	
.775	836.2	.591	2.50E+04	
.851	860.6	.605	2.41E+04	
.927	874.5	.618	2.35E+04	
1.003	875.7	.631	2.31E+04	
1.067	820.0	.642	1.99E+04	1.95E+03
1.156	863.2	.655	2.08E+04	1.27E+03
1.232	828.3	.667	2.10E+04	
1.257	842.0	.671	2.23E+04	
1.321	858.6	.681	2.24E+04	
1.384	909.0	.692	2.25E+04	
1.460	942.2	.705	2.27E+04	
1.511	944.4	.713	2.14E+04	
1.562	924.8	.721	2.21E+04	
1.613	940.5	.729	2.22E+04	
1.689	973.6	.742	2.22E+04	
1.765	998.2	.754	2.20E+04	
1.816	992.9	.762	2.07E+04	
1.867	962.5	.770	2.15E+04	
1.918	956.9	.778	2.13E+04	
1.994	968.5	.790	2.13E+04	
2.070	982.4	.802	2.10E+04	

INEL POST-CHF EXPERIMENT NO. 114

POINT SERIAL NO. 3114.060 (TIME= 476.50 SEC)

LOOP PRESSURE (PE-3) 16.13 MPA
 FCV TEMPERATURE (TE-FCV-11) 613.0 K
 LHP INLET ENTHALPY 1.589E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.12 K
 MASS FLUX 16.29 KG/SEC-M**2
 INLET QUALITY .453
 INLET ENTHALPY 1.589E+06 J/KG
 QUENCH FRONT:
 ELEVATION .621 M
 VELOCITY .0014 M/SEC
 QUALITY .553
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION (M) DZQF (M) TV (K) XE XA

1.841 1.220 817.1 .766 .549

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION (M) TEMP (K) XE HEAT FLUX W/M**2 HEAT LOSS W/M**2

.013	420.0	.454	1.86E+04	
.051	426.5	.460	1.93E+04	
.063	424.6	.462	1.94E+04	
.089	429.5	.465	1.93E+04	
.114	424.2	.469	1.94E+04	
.140	424.5	.473	1.93E+04	
.165	425.2	.476	1.94E+04	
.317	426.4	.498	1.94E+04	
.394	432.6	.509	1.98E+04	
.470	439.9	.520	2.02E+04	
.546	452.3	.532	2.23E+04	
.622	661.1	.554	5.30E+04	
.698	804.0	.576	2.72E+04	
.775	836.2	.591	2.50E+04	
.851	860.6	.605	2.41E+04	
.927	874.5	.618	2.35E+04	
1.003	875.7	.631	2.31E+04	
1.067	820.0	.642	1.99E+04	1.95E+03
1.156	863.2	.655	2.08E+04	1.27E+03
1.232	828.3	.667	2.10E+04	
1.257	842.0	.671	2.23E+04	
1.321	858.6	.681	2.24E+04	
1.384	909.0	.692	2.25E+04	
1.460	942.2	.705	2.27E+04	
1.511	944.4	.713	2.14E+04	
1.562	924.8	.721	2.21E+04	
1.613	940.5	.729	2.22E+04	
1.689	973.6	.742	2.22E+04	
1.765	998.2	.754	2.20E+04	
1.816	992.9	.762	2.07E+04	
1.867	962.5	.770	2.15E+04	
1.918	956.9	.778	2.13E+04	
1.994	968.5	.790	2.13E+04	
2.070	982.4	.802	2.10E+04	

INEL POST-CHF EXPERIMENT NO. 114

POINT SERIAL NO. 2114.070 (TIME= 518.50 SEC)

LOOP PRESSURE(PE-3) 16.17 MPA
 FCV TEMPERATURE(TE-FCV-11) 613.1 K
 LHP INLET ENTHALPY 1.589E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPa
 SAT TEMP 423.22 K
 MASS FLUX 16.15 KG/SEC-M**2
 INLET QUALITY .452
 INLET ENTHALPY 1.589E+06 J/KG
 QUENCH FRONT:
 ELEVATION .680 M
 VELOCITY .0014 M/SEC
 QUALITY .559
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.537 .856 675.9 .713 .569

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013	420.6	.454	2.00E+04	
.051	426.4	.460	1.94E+04	
.063	424.5	.462	1.93E+04	
.089	429.2	.466	1.94E+04	
.114	424.1	.469	1.94E+04	
.140	424.6	.473	1.93E+04	
.165	425.2	.477	1.94E+04	
.317	425.9	.499	1.94E+04	
.394	430.4	.510	1.97E+04	
.470	436.1	.521	1.99E+04	
.546	441.6	.533	2.05E+04	
.622	439.1	.545	2.20E+04	
.698	741.9	.563	4.14E+04	
.775	806.3	.582	2.71E+04	
.851	838.1	.597	2.50E+04	
.927	855.7	.611	2.42E+04	
1.003	859.6	.625	2.35E+04	
1.067	808.0	.635	2.05E+04	1.72E+03
1.156	850.5	.649	2.14E+04	8.86E+02
1.232	816.3	.661	2.15E+04	
1.257	828.6	.665	2.27E+04	
1.321	846.1	.676	2.26E+04	
1.384	895.5	.687	2.30E+04	
1.460	928.3	.700	2.30E+04	
1.511	930.8	.709	2.18E+04	
1.562	911.8	.717	2.27E+04	
1.613	927.4	.726	2.28E+04	
1.689	961.4	.739	2.27E+04	
1.765	986.3	.752	2.27E+04	
1.816	981.7	.760	2.12E+04	
1.867	952.9	.768	2.23E+04	
1.918	948.0	.777	2.20E+04	
1.994	960.8	.789	2.19E+04	
2.070	975.5	.801	2.17E+04	

4NEL POST-CHF EXPERIMENT NO. 114

POINT SERIAL NO. 3114.070 (TIME= 518.50 SEC)

LOOP PRESSURE(PE-3) 16.16 MPA
 FCV TEMPERATURE(TE-FCV-11) 613.1 K
 LHP INLET ENTHALPY 1.589E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPa
 SAT TEMP 423.22 K
 MASS FLUX 16.15 KG/SEC-M**2
 INLET QUALITY .452
 INLET ENTHALPY 1.589E+06 J/KG
 QUENCH FRONT:
 ELEVATION .680 M
 VELOCITY .0014 M/SEC
 QUALITY .559
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.841 1.161 799.5 .764 .555

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013	420.6	.454	2.00E+04	
.051	426.4	.460	1.94E+04	
.063	424.5	.462	1.93E+04	
.089	429.2	.466	1.94E+04	
.114	424.1	.469	1.94E+04	
.140	424.6	.473	1.93E+04	
.165	425.2	.477	1.94E+04	
.317	425.9	.499	1.94E+04	
.394	430.4	.510	1.97E+04	
.470	436.1	.521	1.99E+04	
.546	441.6	.533	2.05E+04	
.622	439.1	.545	2.20E+04	
.698	741.9	.563	4.14E+04	
.775	806.3	.582	2.71E+04	
.851	838.1	.597	2.50E+04	
.927	855.7	.611	2.42E+04	
1.003	859.6	.625	2.35E+04	
1.067	808.0	.635	2.05E+04	1.72E+03
1.156	850.5	.649	2.14E+04	8.86E+02
1.232	816.3	.661	2.15E+04	
1.257	828.6	.665	2.27E+04	
1.321	846.1	.676	2.26E+04	
1.384	895.5	.687	2.30E+04	
1.460	928.3	.700	2.30E+04	
1.511	930.8	.709	2.18E+04	
1.562	911.8	.717	2.27E+04	
1.613	927.4	.726	2.28E+04	
1.689	961.4	.739	2.27E+04	
1.765	986.3	.752	2.27E+04	
1.816	981.7	.760	2.12E+04	
1.867	952.9	.768	2.23E+04	
1.918	948.0	.777	2.20E+04	
1.994	960.8	.789	2.19E+04	
2.070	975.5	.801	2.17E+04	

INEL POST-CHF EXPERIMENT NO. 114

POINT SERIAL NO. 1114.070 (TIME= 519.50 SEC)

LOOP PRESSURE(PE-3) 16.16 MPA
 FCV TEMPERATURE(TE-FCV-1T) 613.1 K
 LHP INLET ENTHALPY 1.589E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.23 K
 MASS FLUX 16.15 KG/SEC-M**2
 INLET QUALITY .453
 INLET ENTHALPY 1.589E+06 J/KG
 QUENCH FRONT:
 ELEVATION .682 M
 VELOCITY .0014 M/SEC
 QUALITY .559
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.550	553.8	.658	.581

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	420.5	.455	1.99E+04	
.051	426.4	.460	1.94E+04	
.063	424.5	.462	1.94E+04	
.089	429.2	.466	1.95E+04	
.114	424.1	.469	1.94E+04	
.140	424.6	.473	1.94E+04	
.165	425.2	.477	1.94E+04	
.317	425.9	.499	1.94E+04	
.394	430.4	.510	1.96E+04	
.470	436.1	.521	1.99E+04	
.546	441.5	.533	2.04E+04	
.622	438.8	.545	2.17E+04	
.698	737.0	.563	4.13E+04	
.775	805.5	.582	2.72E+04	
.851	837.6	.597	2.50E+04	
.927	855.3	.611	2.43E+04	
1.003	859.2	.625	2.35E+04	
1.067	807.7	.635	2.05E+04	1.75E+03
1.156	850.2	.649	2.14E+04	8.91E+02
1.232	816.0	.661	2.15E+04	
1.257	828.3	.665	2.27E+04	
1.321	845.9	.676	2.26E+04	
1.384	895.2	.687	2.30E+04	
1.460	928.0	.700	2.30E+04	
1.511	930.5	.709	2.18E+04	
1.562	911.5	.717	2.29E+04	
1.613	927.1	.726	2.27E+04	
1.689	961.1	.739	2.28E+04	
1.765	986.0	.751	2.26E+04	
1.816	981.5	.760	2.13E+04	
1.867	952.7	.768	2.22E+04	
1.918	947.8	.776	2.20E+04	
1.994	960.6	.789	2.18E+04	
2.070	975.3	.801	2.17E+04	

INEL POST-CHF EXPERIMENT NO. 114

POINT SERIAL NO. 2114.080 (TIME= 539.50 SEC)

LOOP PRESSURE(PE-3) 15.98 MPA
 FCV TEMPERATURE(TE-FCV-1T) 612.9 K
 LHP INLET ENTHALPY 1.588E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.14 K
 MASS FLUX 16.01 KG/SEC-M**2
 INLET QUALITY .452
 INLET ENTHALPY 1.538E+06 J/KG
 QUENCH FRONT:
 ELEVATION .710 M
 VELOCITY .0014 M/SEC
 QUALITY .564
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.827	669.5	.710	.570

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	419.5	.454	1.86E+04	
.051	426.2	.459	1.95E+04	
.063	424.4	.461	1.95E+04	
.089	428.9	.465	1.94E+04	
.114	424.0	.469	1.94E+04	
.140	424.6	.472	1.95E+04	
.165	425.1	.476	1.94E+04	
.317	425.6	.499	1.96E+04	
.394	429.7	.510	1.97E+04	
.470	435.1	.521	1.97E+04	
.546	438.7	.533	2.04E+04	
.622	433.6	.544	2.01E+04	
.698	543.0	.561	3.90E+04	
.775	788.6	.580	2.74E+04	
.851	826.4	.595	2.49E+04	
.927	846.4	.609	2.37E+04	
1.003	851.9	.623	2.31E+04	
1.067	802.1	.635	2.03E+04	1.69E+03
1.156	844.5	.647	2.09E+04	1.12E+03
1.232	810.0	.659	2.14E+04	
1.257	822.5	.663	2.25E+04	
1.321	840.1	.674	2.25E+04	
1.384	888.9	.685	2.26E+04	
1.460	921.9	.698	2.25E+04	
1.511	924.5	.706	2.12E+04	
1.562	906.0	.714	2.25E+04	
1.613	921.6	.723	2.22E+04	
1.689	955.5	.736	2.23E+04	
1.765	980.8	.748	2.20E+04	
1.816	776.6	.757	2.07E+04	
1.867	948.2	.765	2.17E+04	
1.918	944.0	.773	2.14E+04	
1.994	956.9	.785	2.15E+04	
2.070	972.1	.797	2.11E+04	

INEL POST-CHF EXPERIMENT NO. 114

POINT SERIAL NO. 3114.080 (TIME= 539.50 SEC)

LOOP PRESSURE(PE-3) 15.98 MPA
 FCV TEMPERATURE(TE-FCV-1T) 612.9 K
 LHP INLET ENTHALPY 1.588E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.14 K
 MASS FLUX 16.01 KG/SEC-M**2
 INLET QUALITY .452
 INLET ENTHALPY 1.588E+06 J/KG
 QUENCH FRONT:
 ELEVATION .710 M
 VELOCITY .0014 M/SEC
 QUALITY .564
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XC	XA
1.841	1.132	797.7	.761	.553

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XC	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	419.5	.454	1.86E+04	
.051	426.2	.459	1.95E+04	
.063	424.4	.461	1.95E+04	
.089	428.9	.465	1.94E+04	
.114	424.0	.469	1.94E+04	
.140	424.6	.472	1.95E+04	
.165	425.1	.476	1.94E+04	
.317	425.6	.499	1.96E+04	
.394	429.7	.510	1.97E+04	
.470	435.1	.521	1.97E+04	
.546	438.7	.533	2.04E+04	
.622	433.6	.544	2.01E+04	
.698	543.0	.561	3.90E+04	
.775	788.6	.580	2.74E+04	
.851	826.4	.595	2.49E+04	
.927	846.4	.609	2.37E+04	
1.003	851.9	.623	2.31E+04	
1.067	802.1	.633	2.03E+04	1.69E+03
1.156	844.5	.647	2.09E+04	1.12E+03
1.232	810.0	.659	2.14E+04	
1.257	822.5	.663	2.25E+04	
1.321	840.1	.674	2.25E+04	
1.384	888.9	.685	2.26E+04	
1.460	921.9	.698	2.25E+04	
1.511	924.5	.706	2.12E+04	
1.562	906.0	.714	2.25E+04	
1.613	921.6	.723	2.22E+04	
1.689	955.5	.736	2.23E+04	
1.765	980.8	.748	2.20E+04	
1.816	976.6	.757	2.07E+04	
1.867	948.2	.765	2.17E+04	
1.918	944.0	.773	2.14E+04	
1.994	956.9	.785	2.15E+04	
2.070	972.1	.797	2.11E+04	

INEL POST-CHF EXPERIMENT NO. 114

POINT SERIAL NO. 2114.090 (TIME= 583.50 SEC)

LOOP PRESSURE(PE-3) 16.03 MPA
 FCV TEMPERATURE(TE-FCV-1T) 613.2 K
 LHP INLET ENTHALPY 1.590E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.20 K
 MASS FLUX 15.80 KG/SEC-M**2
 INLET QUALITY .453
 INLET ENTHALPY 1.590E+06 J/KG
 QUENCH FRONT:
 ELEVATION .772 M
 VELOCITY .0015 M/SEC
 QUALITY .578
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XC	XA
1.537	.764	646.8	.721	.589

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XC	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	418.6	.455	1.91E+04	
.051	425.9	.461	1.94E+04	
.063	424.2	.463	1.94E+04	
.089	428.4	.466	1.95E+04	
.114	423.8	.470	1.95E+04	
.140	424.3	.474	1.94E+04	
.165	424.9	.478	1.94E+04	
.317	425.2	.500	1.95E+04	
.394	428.3	.512	1.96E+04	
.470	433.8	.523	1.98E+04	
.546	434.5	.535	2.01E+04	
.622	428.8	.546	2.00E+04	
.698	453.0	.559	2.27E+04	
.775	656.0	.578	4.51E+04	
.851	795.0	.599	2.77E+04	
.927	823.7	.615	2.52E+04	
1.003	833.0	.629	2.41E+04	
1.067	788.7	.640	2.13E+04	1.31E+03
1.156	330.6	.655	2.20E+04	6.31E+02
1.232	794.5	.668	2.19E+04	
1.257	806.5	.672	2.32E+04	
1.321	826.5	.683	2.28E+04	
1.384	874.5	.694	2.32E+04	
1.460	907.9	.708	2.30E+04	
1.511	910.6	.716	2.17E+04	
1.562	892.5	.725	2.28E+04	
1.613	908.0	.734	2.28E+04	
1.689	942.5	.747	2.27E+04	
1.765	968.6	.760	2.27E+04	
1.816	965.1	.769	2.13E+04	
1.867	938.1	.777	2.23E+04	
1.918	934.4	.786	2.21E+04	
1.994	948.2	.799	2.21E+04	
2.070	964.3	.811	2.19E+04	

INEL POST-CHF EXPERIMENT NO. 114

POINT SERIAL NO. 3114.090 (TIME= 583.50 SEC)

LOOP PRESSURE(PE-3) 16.03 MPA
 FCV TEMPERATURE(TE-FCV-1T) 613.2 K
 LHP INLET ENTHALPY 1.590E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.20 K
 MASS FLUX 15.80 KG/SEC-M**2
 INLET QUALITY .453
 INLET ENTHALPY 1.590E+06 J/KG
 QUENCH FRONT:
 ELEVATION .772 M
 VELOCITY .0015 M/SEC
 QUALITY .578
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.069	781.2	.773	.569

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	418.6	.455	1.91E+04	
.051	425.9	.461	1.94E+04	
.063	424.2	.463	1.94E+04	
.089	428.4	.466	1.95E+04	
.114	423.8	.470	1.95E+04	
.140	424.3	.474	1.94E+04	
.165	424.9	.478	1.94E+04	
.317	425.2	.500	1.95E+04	
.394	428.3	.512	1.96E+04	
.470	433.8	.523	1.98E+04	
.546	434.5	.535	2.01E+04	
.622	428.8	.546	2.00E+04	
.698	453.0	.559	2.27E+04	
.775	656.0	.578	4.51E+04	
.851	795.0	.599	2.77E+04	
.927	823.7	.615	2.52E+04	
1.003	833.0	.629	2.41E+04	
1.067	788.7	.640	2.13E+04	1.31E+03
1.156	830.6	.655	2.20E+04	6.31E+02
1.232	794.5	.668	2.19E+04	
1.257	806.5	.672	2.32E+04	
1.321	826.5	.683	2.28E+04	
1.384	874.5	.694	2.32E+04	
1.460	907.9	.708	2.30E+04	
1.511	910.6	.716	2.17E+04	
1.562	892.5	.725	2.28E+04	
1.613	908.0	.734	2.28E+04	
1.689	942.5	.747	2.27E+04	
1.765	968.6	.760	2.27E+04	
1.816	965.1	.769	2.13E+04	
1.867	938.1	.777	2.23E+04	
1.918	934.4	.786	2.21E+04	
1.994	948.2	.799	2.21E+04	
2.070	964.3	.811	2.19E+04	

INEL POST-CHF EXPERIMENT NO. 114

POINT SERIAL NO. 2114.100 (TIME= 636.50 SEC)

LOOP PRESSURE(PE-3) 16.10 MPA
 FCV TEMPERATURE(TE-FCV-1T) 612.4 K
 LHP INLET ENTHALPY 1.584E+06 J/KG
 TEST SECTION:
 PRESSURE .47 MPA
 SAT TEMP 422.89 K
 MASS FLUX 15.75 KG/SEC-M**2
 INLET QUALITY .451
 INLET ENTHALPY 1.584E+06 J/KG
 QUENCH FRONT:
 ELEVATION .847 M
 VELOCITY .0014 M/SEC
 QUALITY .586
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.690	623.3	.717	.598

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	418.3	.453	1.95E+04	
.051	425.6	.458	1.95E+04	
.063	423.9	.460	1.95E+04	
.089	428.0	.464	1.96E+04	
.114	423.4	.468	1.94E+04	
.140	424.0	.471	1.95E+04	
.165	424.7	.475	1.95E+04	
.317	424.6	.498	1.94E+04	
.394	427.1	.509	1.96E+04	
.470	431.5	.521	1.97E+04	
.546	431.6	.532	1.98E+04	
.622	426.0	.544	1.97E+04	
.698	440.9	.555	2.02E+04	
.775	443.6	.568	2.15E+04	
.851	686.0	.587	4.66E+04	
.927	787.3	.609	2.71E+04	
1.003	806.2	.624	2.49E+04	
1.067	770.4	.636	2.31E+04	
1.156	812.6	.651	2.30E+04	
1.232	776.1	.664	2.14E+04	
1.257	787.5	.669	2.32E+04	
1.321	810.1	.680	2.28E+04	
1.384	856.6	.691	2.30E+04	
1.460	890.2	.704	2.30E+04	
1.511	893.1	.713	2.19E+04	
1.562	875.3	.722	2.33E+04	
1.613	891.0	.731	2.31E+04	
1.689	926.2	.744	2.30E+04	
1.765	952.9	.758	2.28E+04	
1.816	950.1	.766	2.15E+04	
1.867	924.3	.775	2.27E+04	
1.918	921.5	.784	2.26E+04	
1.994	936.3	.797	2.22E+04	
2.070	952.9	.810	2.21E+04	

INEL POST-CHF EXPERIMENT NO. 114

POINT SERIAL NO. 3114.100 (TIME= 636.50 SEC)

LOOP PRESSURE(PE-3) 16.10 MPA
 FCV TEMPERATURE(TE-FCV-1T) 612.4 K
 LHP INLET ENTHALPY 1.584E+06 J/KG
 TEST SECTION:
 PRESSURE .47 MPA
 SAT TEMP 422.89 K
 MASS FLUX 15.75 KG/SEC-M**2
 INLET QUALITY .451
 INLET ENTHALPY 1.584E+06 J/KG
 QUENCH FRONT:
 ELEVATION .847 M
 VELOCITY .0014 M/SEC
 QUALITY .586
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (H)	TV (K)	XE	XA
1.841	.994	763.7	.770	.575

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	418.3	.453	1.95E+04	
.051	425.6	.458	1.95E+04	
.063	423.9	.460	1.95E+04	
.089	428.0	.464	1.96E+04	
.114	423.4	.468	1.94E+04	
.140	424.0	.471	1.95E+04	
.165	424.7	.475	1.95E+04	
.317	424.6	.498	1.94E+04	
.394	427.1	.509	1.96E+04	
.470	431.5	.521	1.97E+04	
.546	431.6	.532	1.98E+04	
.622	426.0	.544	1.97E+04	
.698	440.9	.555	2.02E+04	
.775	443.6	.568	2.15E+04	
.851	686.0	.587	4.66E+04	
.927	787.3	.609	2.71E+04	
1.003	806.2	.624	2.49E+04	
1.067	770.4	.636	2.31E+04	
1.156	812.6	.651	2.30E+04	
1.232	776.1	.664	2.14E+04	
1.257	787.5	.669	2.32E+04	
1.321	810.1	.680	2.28E+04	
1.384	856.6	.691	2.30E+04	
1.460	890.2	.704	2.30E+04	
1.511	893.1	.713	2.19E+04	
1.562	875.3	.722	2.33E+04	
1.613	891.0	.731	2.31E+04	
1.689	926.2	.744	2.30E+04	
1.765	952.9	.758	2.28E+04	
1.816	950.1	.766	2.15E+04	
1.867	924.3	.775	2.27E+04	
1.918	921.5	.784	2.26E+04	
1.994	936.3	.797	2.22E+04	
2.070	952.9	.810	2.21E+04	

INEL POST-CHF EXPERIMENT NO. 114

POINT SERIAL NO. 2114.110 (TIME= 687.50 SEC)

LOOP PRESSURE(PE-3) 16.12 MPA
 FCV TEMPERATURE(TE-FCV-1T) 612.3 K
 LHP INLET ENTHALPY 1.582E+06 J/KG
 TEST SECTION:
 PRESSURE .47 MPA
 SAT TEMP 422.98 K
 MASS FLUX 15.80 KG/SEC-M**2
 INLET QUALITY .450
 INLET ENTHALPY 1.582E+06 J/KG
 QUENCH FRONT:
 ELEVATION .916 M
 VELOCITY .0013 M/SEC
 QUALITY .594
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.621	598.8	.710	.604

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	417.9	.452	1.96E+04	
.051	425.4	.457	1.95E+04	
.063	423.8	.459	1.95E+04	
.089	427.6	.463	1.96E+04	
.114	423.2	.467	1.96E+04	
.140	423.9	.471	1.96E+04	
.165	424.4	.475	1.96E+04	
.317	424.2	.497	1.96E+04	
.394	426.4	.509	1.96E+04	
.470	430.0	.520	1.97E+04	
.546	429.6	.532	1.97E+04	
.622	424.2	.543	1.94E+04	
.698	435.5	.554	1.97E+04	
.775	434.3	.566	2.01E+04	
.851	445.1	.578	2.29E+04	
.927	704.5	.597	4.06E+04	
1.003	775.1	.616	2.65E+04	
1.067	751.3	.628	2.35E+04	
1.156	794.8	.644	2.31E+04	
1.232	759.0	.657	2.14E+04	
1.257	769.2	.661	2.32E+04	
1.321	794.1	.673	2.29E+04	
1.384	839.2	.684	2.32E+04	
1.460	873.1	.697	2.33E+04	
1.511	876.1	.706	2.20E+04	
1.562	858.1	.715	2.32E+04	
1.613	874.1	.724	2.32E+04	
1.689	910.0	.737	2.30E+04	
1.765	937.3	.751	2.29E+04	
1.816	935.0	.759	2.16E+04	
1.867	910.4	.768	2.24E+04	
1.918	908.7	.776	2.23E+04	
1.994	924.2	.789	2.22E+04	
2.070	941.5	.802	2.22E+04	

INEL POST-CHF EXPERIMENT NO. 114

POINT SERIAL NO. 3114.110 (TIME= 687.50 SEC)

LOOP PRESSURE(PE-3) 16.12 MPA
 FCV TEMPERATURE(TE-FCV-1T) 612.3 K
 LHP INLET ENTHALPY 1.582E+06 J/KG
 TEST SECTION:
 PRESSURE .47 MPA
 SAT TEMP 422.98 K
 MASS FLUX 15.80 KG/SEC-M**2
 INLET QUALITY .450
 INLET ENTHALPY 1.582E+06 J/KG
 QUENCH FRONT:
 ELEVATION .916 M
 VELOCITY .0013 M/SEC
 QUALITY .594
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	.926	743.1	.763	.579

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	417.9	.452	1.96E+04	
.051	425.4	.457	1.95E+04	
.063	423.8	.459	1.95E+04	
.089	427.6	.463	1.96E+04	
.114	423.2	.467	1.96E+04	
.140	423.9	.471	1.96E+04	
.165	424.4	.475	1.96E+04	
.317	424.2	.497	1.96E+04	
.394	426.4	.509	1.96E+04	
.470	430.0	.520	1.97E+04	
.546	429.6	.532	1.97E+04	
.622	424.2	.543	1.94E+04	
.698	435.5	.554	1.97E+04	
.775	434.3	.566	2.01E+04	
.851	445.1	.578	2.29E+04	
.927	704.5	.597	4.06E+04	
1.003	775.1	.616	2.65E+04	
1.067	751.3	.628	2.35E+04	
1.156	794.8	.644	2.31E+04	
1.232	759.0	.657	2.14E+04	
1.257	769.2	.661	2.32E+04	
1.321	794.1	.673	2.29E+04	
1.384	839.2	.684	2.32E+04	
1.460	873.1	.697	2.33E+04	
1.511	876.1	.706	2.20E+04	
1.562	858.1	.715	2.32E+04	
1.613	874.1	.724	2.32E+04	
1.689	910.0	.737	2.30E+04	
1.765	937.3	.751	2.29E+04	
1.816	935.0	.759	2.16E+04	
1.867	910.4	.768	2.24E+04	
1.918	908.7	.776	2.23E+04	
1.994	924.2	.789	2.22E+04	
2.070	941.5	.802	2.22E+04	

INEL POST-CHF EXPERIMENT NO. 114

POINT SERIAL NO. 2114.120 (TIME= 730.50 SEC)

LOOP PRESSURE(PE-3) 16.11 MPA
 FCV TEMPERATURE(TE-FCV-1T) 613.3 K
 LHP INLET ENTHALPY 1.591E+06 J/KG
 TEST SECTION:
 PRESSURE .47 MPA
 SAT TEMP 423.05 K
 MASS FLUX 15.65 KG/SEC-M**2
 INLET QUALITY .454
 INLET ENTHALPY 1.591E+06 J/KG
 QUENCH FRONT:
 ELEVATION .973 M
 VELOCITY .0014 M/SEC
 QUALITY .611
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.564	580.6	.720	.650

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	418.3	.456	1.95E+04	
.051	425.3	.462	1.97E+04	
.063	423.7	.464	1.97E+04	
.089	427.4	.467	1.97E+04	
.114	423.2	.471	1.96E+04	
.140	423.9	.475	1.96E+04	
.165	424.3	.479	1.97E+04	
.317	424.1	.502	1.97E+04	
.394	425.9	.514	1.96E+04	
.470	429.1	.525	1.98E+04	
.546	428.7	.537	1.97E+04	
.622	423.7	.548	1.98E+04	
.698	433.1	.560	1.99E+04	
.775	430.7	.572	2.02E+04	
.851	435.1	.584	2.07E+04	
.927	463.4	.598	2.72E+04	
1.003	736.7	.620	4.86E+04	
1.067	732.2	.638	2.40E+04	
1.156	779.0	.654	2.31E+04	
1.232	745.5	.667	2.13E+04	
1.257	754.7	.671	2.28E+04	
1.321	781.0	.682	2.27E+04	
1.384	824.7	.694	2.30E+04	
1.460	858.7	.707	2.31E+04	
1.511	861.9	.716	2.17E+04	
1.562	844.5	.725	2.27E+04	
1.613	860.5	.733	2.28E+04	
1.689	896.8	.747	2.28E+04	
1.765	924.6	.760	2.27E+04	
1.816	922.8	.769	2.14E+04	
1.867	899.2	.777	2.23E+04	
1.918	898.0	.786	2.23E+04	
1.994	913.9	.799	2.23E+04	
2.070	931.6	.812	2.21E+04	

INEL POST-CHF EXPERIMENT NO. 114

POINT SERIAL NO. 3114.120 (TIME= 730.50 SEC)

LOOP PRESSURE(PE-3) 16.11 MPA
 FCV TEMPERATURE(TE-FCV-1T) 613.3 K
 LHP INLET ENTHALPY 1.591E+06 J/KG
 TEST SECTION:
 PRESSURE .47 MPA
 SAT TEMP 423.05 K
 MASS FLUX 15.65 KG/SEC-M**2
 INLET QUALITY .454
 INLET ENTHALPY 1.591E+06 J/KG
 QUENCH FRONT:
 ELEVATION .973 M
 VELOCITY .0014 M/SEC
 QUALITY .611
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	.869	724.6	.773	.594

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	418.3	.456	1.95E+04	
.051	425.3	.462	1.97E+04	
.063	423.7	.464	1.97E+04	
.089	427.4	.467	1.97E+04	
.114	423.2	.471	1.96E+04	
.140	423.9	.475	1.96E+04	
.165	424.3	.479	1.97E+04	
.317	424.1	.502	1.97E+04	
.394	425.9	.514	1.96E+04	
.470	429.1	.525	1.98E+04	
.546	428.7	.537	1.97E+04	
.622	423.7	.548	1.98E+04	
.698	433.1	.560	1.99E+04	
.775	430.7	.572	2.02E+04	
.851	435.1	.584	2.07E+04	
.927	463.4	.598	2.72E+04	
1.003	736.7	.620	4.86E+04	
1.067	732.2	.638	2.40E+04	
1.156	779.0	.654	2.31E+04	
1.232	745.5	.667	2.13E+04	
1.257	754.7	.671	2.28E+04	
1.321	781.0	.682	2.27E+04	
1.384	824.7	.694	2.30E+04	
1.460	858.7	.707	2.31E+04	
1.511	861.9	.716	2.17E+04	
1.562	844.5	.725	2.27E+04	
1.613	860.5	.733	2.28E+04	
1.689	896.8	.747	2.28E+04	
1.765	924.6	.760	2.27E+04	
1.816	922.8	.769	2.14E+04	
1.867	899.2	.777	2.23E+04	
1.918	898.0	.786	2.23E+04	
1.994	913.9	.799	2.23E+04	
2.070	931.6	.812	2.21E+04	

INEL POST-CHF EXPERIMENT NO. 114

POINT SERIAL NO. 3114.130 (TIME= 800.50 SEC)

LOOP PRESSURE(PE-3) 16.02 MPA
 FCV TEMPERATURE(TE-FCV-1T) 613.4 K
 LHP INLET ENTHALPY 1.592E+06 J/KG
 TEST SECTION:
 PRESSURE .47 MPA
 SAT TEMP 423.06 K
 MASS FLUX 15.43 KG/SEC-M**2
 INLET QUALITY .454
 INLET ENTHALPY 1.592E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.066 M
 VELOCITY .0013 M/SEC
 QUALITY .625
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	.776	701.1	.771	.604

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	418.9	.457	2.03E+04	
.051	425.1	.462	1.98E+04	
.063	423.6	.464	1.97E+04	
.089	427.1	.468	1.97E+04	
.114	423.2	.472	1.97E+04	
.140	423.8	.476	1.97E+04	
.165	424.2	.480	1.97E+04	
.317	423.6	.504	1.98E+04	
.394	425.3	.515	1.98E+04	
.470	428.0	.527	1.98E+04	
.546	427.5	.539	1.99E+04	
.622	422.9	.551	1.98E+04	
.698	430.5	.562	1.99E+04	
.775	428.0	.574	2.00E+04	
.851	429.2	.586	2.02E+04	
.927	442.7	.598	2.06E+04	
1.003	432.8	.611	2.07E+04	
1.067	649.5	.625	3.86E+04	
1.156	748.4	.647	2.45E+04	
1.232	722.9	.661	2.19E+04	
1.257	729.9	.666	2.37E+04	
1.321	761.0	.677	2.29E+04	
1.384	802.6	.688	2.31E+04	
1.460	836.7	.702	2.34E+04	
1.511	838.3	.711	2.22E+04	
1.562	819.8	.720	2.38E+04	
1.613	838.4	.730	2.35E+04	
1.689	876.7	.744	2.33E+04	
1.765	905.7	.758	2.32E+04	
1.816	904.8	.766	2.18E+04	
1.867	882.5	.775	2.29E+04	
1.918	882.1	.784	2.29E+04	
1.994	898.6	.798	2.26E+04	
2.070	916.9	.811	2.26E+04	

INEL POST-CHF EXPERIMENT NO. 114

POINT SERIAL NO. 3114.140 (TIME= 868.50 SEC)

LOOP PRESSURE(PE-3) 16.14 MPA
 FCV TEMPERATURE(TE-FCV-1T) 613.0 K
 LHP INLET ENTHALPY 1.588E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.12 K
 MASS FLUX 15.51 KG/SEC-M**2
 INLET QUALITY .452
 INLET ENTHALPY 1.588E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.158 M
 VELOCITY .0014 M/SEC
 QUALITY .638
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	IV (K)	XE	XA
1.841	.684	681.8	.766	.610

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	419.7	.454	1.92E+04	
.051	424.9	.460	1.97E+04	
.063	423.4	.462	1.97E+04	
.089	426.7	.466	1.98E+04	
.114	423.1	.470	1.98E+04	
.140	423.8	.474	1.98E+04	
.165	423.9	.478	1.97E+04	
.317	423.2	.501	1.97E+04	
.394	424.9	.513	1.98E+04	
.470	427.1	.524	1.98E+04	
.546	426.7	.536	1.99E+04	
.622	422.3	.548	1.98E+04	
.698	429.1	.560	1.99E+04	
.775	426.5	.572	1.98E+04	
.851	427.3	.583	1.97E+04	
.927	436.4	.595	1.96E+04	
1.003	427.2	.606	1.93E+04	
1.067	470.0	.617	2.30E+04	
1.156	617.8	.638	3.71E+04	
1.232	693.5	.656	2.33E+04	
1.257	698.2	.660	2.51E+04	
1.321	740.0	.672	2.31E+04	
1.384	780.6	.684	2.32E+04	
1.460	844.3	.698	2.35E+04	
1.511	815.0	.707	2.23E+04	
1.562	796.3	.716	2.35E+04	
1.613	816.3	.725	2.35E+04	
1.689	855.9	.739	2.35E+04	
1.765	886.1	.753	2.37E+04	
1.816	885.8	.762	2.20E+04	
1.867	864.8	.771	2.29E+04	
1.918	865.0	.780	2.30E+04	
1.994	882.6	.793	2.28E+04	
2.070	900.9	.807	2.28E+04	

INEL POST-CHF EXPERIMENT NO. 114

POINT SERIAL NO. 3114.150 (TIME= 916.50 SEC)

LOOP PRESSURE(PE-3) 16.12 MPA
 FCV TEMPERATURE(TE-FCV-1T) 612.0 K
 LHP INLET ENTHALPY 1.580E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.12 K
 MASS FLUX 15.37 KG/SEC-M**2
 INLET QUALITY .449
 INLET ENTHALPY 1.580E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.199 M
 VELOCITY .0002 M/SEC
 QUALITY .640
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	IV (K)	XE	XA
1.841	.643	656.6	.783	.637

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	419.5	.451	2.00E+04	
.051	425.0	.457	1.97E+04	
.063	423.4	.459	1.97E+04	
.089	426.7	.463	1.97E+04	
.114	423.2	.467	1.96E+04	
.140	423.9	.470	1.96E+04	
.165	424.0	.474	1.96E+04	
.317	423.3	.498	1.97E+04	
.394	424.8	.510	1.97E+04	
.470	426.7	.521	1.97E+04	
.546	426.2	.533	1.98E+04	
.622	422.0	.545	1.97E+04	
.698	428.3	.557	1.98E+04	
.775	425.9	.569	1.97E+04	
.851	426.5	.581	1.98E+04	
.927	434.2	.593	2.00E+04	
1.003	426.4	.604	1.98E+04	
1.067	455.4	.615	2.15E+04	
1.156	468.0	.631	2.55E+04	
1.232	610.8	.646	2.50E+04	
1.257	634.6	.657	8.74E+04	
1.321	721.4	.685	2.45E+04	
1.384	762.6	.698	2.41E+04	
1.460	796.5	.712	2.42E+04	
1.511	796.7	.721	2.32E+04	
1.562	778.5	.731	2.43E+04	
1.613	798.3	.741	2.42E+04	
1.689	837.9	.755	2.43E+04	
1.765	868.3	.770	2.40E+04	
1.816	868.8	.779	2.27E+04	
1.867	848.9	.788	2.37E+04	
1.918	849.4	.798	2.36E+04	
1.994	868.3	.812	2.34E+04	
2.070	886.7	.826	2.33E+04	

INEL POST-CHF EXPERIMENT NO. 115

POINT SERIAL NO. 1115.020 (TIME= 192.50 SEC)

LOOP PRESSURE(PE-3) 16.06 MPA
 FCV TEMPERATURE(TE-FCV-1T) 614.1 K
 LHP INLET ENTHALPY 1.598E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.03 K
 MASS FLUX 23.20 KG/SEC-M**2
 INLET QUALITY .456
 INLET ENTHALPY 1.598E+06 J/KG
 QUENCH FRONT:
 ELEVATION .252 M
 VELOCITY .0032 M/SEC
 QUALITY .494
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.980	692.3	.650	.513

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	433.2	.457	2.03E+04	
.051	441.7	.461	2.15E+04	
.063	434.9	.463	2.01E+04	
.089	447.1	.465	2.11E+04	
.114	441.3	.468	2.14E+04	
.140	435.8	.471	2.15E+04	
.165	440.7	.475	3.81E+04	
.317	781.2	.509	4.91E+04	
.394	845.9	.526	3.69E+04	
.470	880.3	.540	3.54E+04	
.546	905.0	.554	3.41E+04	
.622	916.2	.567	3.32E+04	
.698	931.5	.580	3.20E+04	
.775	940.2	.593	3.16E+04	
.851	948.0	.605	3.05E+04	
.927	945.1	.617	2.90E+04	
1.003	914.9	.628	2.46E+04	
1.057	825.8	.635	1.96E+04	3.09E+02
1.156	867.0	.644	2.00E+04	
1.232	838.3	.652	1.99E+04	
1.257	851.6	.655	2.27E+04	
1.321	875.4	.663	2.37E+04	
1.384	941.0	.671	2.67E+04	
1.460	975.5	.682	2.76E+04	
1.511	980.2	.689	2.66E+04	
1.562	958.7	.696	2.84E+04	
1.613	977.2	.704	2.88E+04	
1.689	1005.9	.715	2.80E+04	
1.765	1016.1	.726	2.63E+04	
1.816	1001.6	.732	2.38E+04	
1.867	960.4	.739	2.42E+04	
1.918	943.9	.745	2.25E+04	
1.994	932.0	.753	1.91E+04	
2.070	903.3	.760	1.35E+04	

INEL POST-CHF EXPERIMENT NO. 115

POINT SERIAL NO. 2115.020 (TIME= 192.50 SEC)

LOOP PRESSURE(PE-3) 16.06 MPA
 FCV TEMPERATURE(TE-FCV-1T) 614.1 K
 LHP INLET ENTHALPY 1.598E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.03 K
 MASS FLUX 23.20 KG/SEC-M**2
 INLET QUALITY .456
 INLET ENTHALPY 1.598E+06 J/KG
 QUENCH FRONT:
 ELEVATION .252 M
 VELOCITY .0032 M/SEC
 QUALITY .495
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	1.284	767.0	.688	.512

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	433.3	.457	2.03E+04	
.051	441.7	.461	2.16E+04	
.063	434.9	.463	2.02E+04	
.089	447.0	.465	2.11E+04	
.114	441.3	.468	2.14E+04	
.140	436.2	.471	2.20E+04	
.165	441.4	.475	3.94E+04	
.317	773.4	.509	4.79E+04	
.394	843.1	.526	3.68E+04	
.470	878.0	.540	3.52E+04	
.546	902.9	.554	3.38E+04	
.622	914.4	.567	3.30E+04	
.698	929.8	.580	3.19E+04	
.775	938.6	.593	3.12E+04	
.851	946.5	.605	3.03E+04	
.927	943.7	.616	2.84E+04	
1.003	914.0	.627	2.45E+04	
1.067	825.3	.634	1.94E+04	4.56E+02
1.156	866.6	.643	1.99E+04	
1.232	837.8	.651	1.99E+04	
1.257	851.0	.654	2.24E+04	
1.321	874.7	.662	2.36E+04	
1.384	940.1	.670	2.64E+04	
1.460	974.6	.680	2.74E+04	
1.511	979.2	.688	2.65E+04	
1.562	957.8	.695	2.85E+04	
1.613	976.2	.702	2.87E+04	
1.689	1005.0	.714	2.78E+04	
1.765	1015.3	.724	2.61E+04	
1.816	1000.9	.731	2.36E+04	
1.867	959.8	.737	2.40E+04	
1.918	943.5	.743	2.23E+04	
1.994	931.9	.751	1.90E+04	
2.070	903.6	.758	1.35E+04	

INEL POST-CHF EXPERIMENT NO. 115

POINT SERIAL NO. 3115.020 (TIME= 193.50 SEC)

LOOP PRESSURE{PE-3} 16.05 MPA
 FCV TEMPERATURE{TE-FCV-1T} 614.2 K
 LHP INLET ENTHALPY 1.598E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.02 K
 MASS FLUX 23.13 KC/SEC-M**2
 INLET QUALITY .456
 INLET ENTHALPY 1.598E+06 J/KG
 QUENCH FRONT:
 ELEVATION .255 M
 VELOCITY .0032 M/SEC
 QUALITY .495
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.586	845.6	.731	.513

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	433.3	.457	2.03E+04	
.051	441.6	.461	2.16E+04	
.063	434.8	.463	2.02E+04	
.089	446.9	.465	2.11E+04	
.114	441.2	.468	2.14E+04	
.140	436.1	.471	2.20E+04	
.165	441.2	.475	3.89E+04	
.317	769.1	.509	4.80E+04	
.394	842.1	.526	3.69E+04	
.470	877.2	.540	3.52E+04	
.546	902.2	.554	3.38E+04	
.622	913.7	.567	3.30E+04	
.698	929.1	.580	3.18E+04	
.775	938.0	.593	3.13E+04	
.851	946.0	.605	3.02E+04	
.927	943.3	.617	2.84E+04	
1.003	913.7	.627	2.45E+04	
1.067	825.3	.634	1.94E+04	4.90E+02
1.156	866.6	.643	1.99E+04	
1.232	837.7	.651	1.99E+04	
1.257	850.8	.654	2.24E+04	
1.321	874.5	.662	2.36E+04	
1.384	939.7	.670	2.64E+04	
1.460	974.2	.681	2.74E+04	
1.511	978.8	.688	2.64E+04	
1.562	957.3	.695	2.84E+04	
1.613	975.8	.703	2.87E+04	
1.689	1004.6	.714	2.77E+04	
1.765	1014.9	.725	2.61E+04	
1.816	1000.6	.731	2.37E+04	
1.867	959.6	.738	2.39E+04	
1.918	943.3	.744	2.23E+04	
1.994	931.9	.752	1.91E+04	
2.070	903.9	.758	1.36E+04	

INEL POST-CHF EXPERIMENT NO. 115

POINT SERIAL NO. 1115.030 (TIME= 215.50 SEC)

LOOP PRESSURE{PE-3} 16.10 MPA
 FCV TEMPERATURE{TE-FCV-1T} 614.8 K
 LHP INLET ENTHALPY 1.603E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.06 K
 MASS FLUX 23.08 KG/SEC-M**2
 INLET QUALITY .458
 INLET ENTHALPY 1.603E+06 J/KG
 QUENCH FRONT:
 ELEVATION .325 M
 VELOCITY .0032 M/SEC
 QUALITY .505
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.906	661.5	.645	.521

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	430.7	.459	1.94E+04	
.051	436.1	.463	2.00E+04	
.063	431.9	.465	1.96E+04	
.089	442.3	.467	2.01E+04	
.114	435.7	.470	2.02E+04	
.140	431.1	.473	1.97E+04	
.165	433.3	.475	2.02E+04	
.317	532.7	.503	4.95E+04	
.394	799.7	.521	4.13E+04	
.470	841.0	.536	3.50E+04	
.546	870.0	.550	3.30E+04	
.622	883.9	.563	3.20E+04	
.698	902.1	.575	3.08E+04	
.775	912.3	.588	3.02E+04	
.851	922.5	.600	2.94E+04	
.927	923.5	.611	2.80E+04	
1.003	901.6	.622	2.52E+04	
1.067	822.7	.629	2.04E+04	9.45E+02
1.156	864.1	.639	2.12E+04	1.68E+02
1.232	832.7	.647	2.10E+04	
1.257	843.4	.650	2.36E+04	
1.321	865.0	.658	2.39E+04	
1.384	924.6	.666	2.58E+04	
1.460	957.3	.677	2.67E+04	
1.511	961.6	.684	2.56E+04	
1.562	938.7	.691	2.77E+04	
1.613	956.5	.698	2.79E+04	
1.689	987.1	.709	2.74E+04	
1.765	1000.6	.720	2.59E+04	
1.816	988.8	.726	2.36E+04	
1.867	949.7	.733	2.41E+04	
1.918	936.8	.739	2.31E+04	
1.994	931.9	.748	2.04E+04	
2.070	915.0	.755	1.66E+04	

INEL POST-CHF EXPERIMENT NO. 115

POINT SERIAL NO. 2115.030 (TIME= 215.50 SEC)

LOOP PRESSURE(PE-3) 16.10 MPA
 FCV TEMPERATURE(TE-FCV-1T) 614.6 K
 LHP INLET ENTHALPY 1.601E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.06 K
 MASS FLUX 23.08 KG/SEC-M**2
 INLET QUALITY .457
 INLET ENTHALPY 1.601E+06 J/KG
 QUENCH FRONT:
 ELEVATION .325 M
 VELOCITY .0032 M/SEC
 QUALITY .503
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	1.211	738.4	.685	.521

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	430.6	.459	1.95E+04	
.051	436.4	.463	2.02E+04	
.063	432.0	.464	1.97E+04	
.089	442.4	.467	2.01E+04	
.114	435.9	.469	2.03E+04	
.140	431.4	.472	1.99E+04	
.165	433.6	.475	2.04E+04	
.317	562.0	.501	4.50E+04	
.394	797.0	.520	5.18E+04	
.70	840.5	.537	3.52E+04	
.54	869.8	.551	3.32E+04	
.62	883.8	.564	3.21E+04	
.69	902.0	.576	3.09E+04	
.71	912.3	.589	3.04E+04	
.851	922.5	.600	2.94E+04	
.927	923.4	.612	2.81E+04	
1.003	901.3	.623	2.53E+04	
1.067	822.3	.630	2.04E+04	
1.156	863.6	.640	2.12E+04	9.79E+02
1.232	832.4	.648	2.11E+04	1.58E+02
1.257	843.0	.651	2.35E+04	
1.321	864.8	.659	2.40E+04	
1.384	924.5	.667	2.60E+04	
1.460	957.3	.678	2.67E+04	
1.511	961.6	.685	2.57E+04	
1.562	938.7	.692	2.74E+04	
1.613	956.6	.699	2.76E+04	
1.689	987.1	.710	2.71E+04	
1.765	1000.5	.721	2.59E+04	
1.816	988.6	.727	2.38E+04	
1.867	949.5	.734	2.40E+04	
1.918	936.5	.740	2.29E+04	
1.994	931.5	.749	2.04E+04	
2.070	914.2	.756	1.65E+04	

INEL POST-CHF EXPERIMENT NO. 115

POINT SERIAL NO. 3115.030 (TIME= 215.50 SEC)

LOOP PRESSURE(PE-3) 16.10 MPA
 FCV TEMPERATURE(TE-FCV-1T) 614.6 K
 LHP INLET ENTHALPY 1.601E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.06 K
 MASS FLUX 23.08 KG/SEC-M**2
 INLET QUALITY .457
 INLET ENTHALPY 1.601E+06 J/KG
 QUENCH FRONT:
 ELEVATION .325 M
 VELOCITY .0032 M/SEC
 QUALITY .503
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.516	821.9	.727	.519

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	430.6	.459	1.95E+04	
.051	436.4	.463	2.02E+04	
.063	432.0	.464	1.97E+04	
.089	442.4	.467	2.01E+04	
.114	435.9	.469	2.03E+04	
.140	431.4	.472	1.99E+04	
.165	433.6	.475	2.04E+04	
.317	562.0	.501	4.50E+04	
.394	797.0	.520	5.18E+04	
.70	840.5	.537	3.52E+04	
.54	869.8	.551	3.32E+04	
.62	883.8	.564	3.21E+04	
.69	902.0	.576	3.09E+04	
.71	912.3	.589	3.04E+04	
.851	922.5	.600	2.94E+04	
.927	923.4	.612	2.81E+04	
1.003	901.3	.623	2.53E+04	
1.067	822.3	.630	2.04E+04	
1.156	863.6	.640	2.12E+04	9.79E+02
1.232	832.4	.648	2.11E+04	1.58E+02
1.257	843.0	.651	2.35E+04	
1.321	864.8	.659	2.40E+04	
1.384	924.5	.667	2.60E+04	
1.460	957.3	.678	2.67E+04	
1.511	961.6	.685	2.57E+04	
1.562	938.7	.692	2.74E+04	
1.613	956.6	.699	2.76E+04	
1.689	987.1	.710	2.71E+04	
1.765	1000.5	.721	2.59E+04	
1.816	988.6	.727	2.38E+04	
1.867	949.5	.734	2.40E+04	
1.918	936.5	.740	2.29E+04	
1.994	931.5	.749	2.04E+04	
2.070	914.2	.756	1.65E+04	

INEL POST-CIF EXPERIMENT NO. 115

POINT SERIAL NO. 1115.040 (TIME= 233.50 SEC)

LOOP PRESSURE(PE-3) 16.05 MPA
 FCV TEMPERATURE(TE-FCV-1T) 614.0 K
 LHP INLET ENTHALPY 1.596E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.92 K
 MASS FLUX 23.27 KG/SEC-M**2
 INLET QUALITY .455
 INLET ENTHALPY 1.596E+06 J/KG
 QUENCH FRONT:
 ELEVATION .383 M
 VELOCITY .0033 M/SEC
 QUALITY .509
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.849	643.7	.647	.530

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	429.2	.456	1.94E+04	
.051	433.8	.460	1.96E+04	
.063	430.4	.462	1.93E+04	
.089	439.8	.464	2.00E+04	
.114	433.0	.467	1.97E+04	
.140	429.5	.469	1.94E+04	
.165	430.9	.472	1.95E+04	
.317	452.9	.491	2.76E+04	
.394	746.8	.512	8.28E+04	
.470	807.3	.536	3.75E+04	
.546	841.9	.550	3.42E+04	
.622	858.6	.564	3.25E+04	
.698	879.5	.576	3.13E+04	
.775	891.1	.588	3.04E+04	
.851	903.1	.600	2.95E+04	
.927	906.6	.612	2.83E+04	
1.003	889.3	.622	2.63E+04	
1.067	817.3	.630	2.14E+04	1.26E+03
1.156	858.6	.640	2.23E+04	3.53E+02
1.232	826.0	.649	2.21E+04	
1.257	834.6	.652	2.46E+04	
1.321	855.7	.660	2.46E+04	
1.384	911.9	.669	2.63E+04	
1.460	943.2	.679	2.67E+04	
1.511	947.3	.686	2.59E+04	
1.562	923.5	.693	2.76E+04	
1.613	941.0	.700	2.77E+04	
1.689	972.5	.711	2.72E+04	
1.765	988.0	.722	2.65E+04	
1.816	977.8	.728	2.44E+04	
1.867	940.6	.735	2.47E+04	
1.918	929.5	.741	2.43E+04	
1.994	929.2	.750	2.17E+04	
2.070	918.8	.758	1.89E+04	

INEL POST-CIF EXPERIMENT NO. 115

POINT SERIAL NO. 2115.040 (TIME= 233.50 SEC)

LOOP PRESSURE(PE-3) 16.05 MPA
 FCV TEMPERATURE(TE-FCV-1T) 614.1 K
 LHP INLET ENTHALPY 1.598E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.92 K
 MASS FLUX 23.27 KG/SEC-M**2
 INLET QUALITY .456
 INLET ENTHALPY 1.598E+06 J/KG
 QUENCH FRONT:
 ELEVATION .383 M
 VELOCITY .0033 M/SEC
 QUALITY .509
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	1.153	721.3	.683	.526

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	429.2	.457	1.94E+04	
.051	434.0	.461	1.97E+04	
.063	430.5	.462	1.94E+04	
.089	439.9	.465	1.97E+04	
.114	433.2	.467	1.98E+04	
.140	429.6	.470	1.94E+04	
.165	431.1	.473	1.96E+04	
.317	462.7	.493	3.15E+04	
.394	714.4	.512	6.37E+04	
.470	805.8	.533	4.31E+04	
.546	841.3	.548	3.39E+04	
.622	858.3	.561	3.24E+04	
.698	879.2	.574	3.09E+04	
.775	891.0	.586	3.03E+04	
.851	903.0	.597	2.92E+04	
.927	906.4	.609	2.82E+04	
1.003	889.0	.620	2.61E+04	
1.067	816.9	.627	2.12E+04	1.26E+03
1.156	858.2	.637	2.21E+04	3.98E+02
1.232	825.7	.646	2.21E+04	
1.257	834.1	.649	2.44E+04	
1.321	855.5	.657	2.43E+04	
1.384	911.7	.665	2.61E+04	
1.460	943.1	.676	2.67E+04	
1.511	947.2	.683	2.56E+04	
1.562	923.2	.690	2.71E+04	
1.613	940.9	.697	2.73E+04	
1.689	972.4	.708	2.70E+04	
1.765	987.8	.718	2.61E+04	
1.816	977.6	.725	2.41E+04	
1.867	940.2	.731	2.45E+04	
1.918	929.1	.737	2.36E+04	
1.994	928.7	.746	2.15E+04	
2.070	918.1	.754	1.86E+04	

INEL POST-CHF EXPERIMENT NO. 115

POINT SERIAL NO. 3115.040 (TIME= 233.50 SEC)

LOOP PRESSURE(PE-3) 16.05 MPA
 FCV TEMPERATURE(TE-FCV-1T) 614.1 K
 LHP INLET ENTHALPY 1.598E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.92 K
 MASS FLUX 23.27 KG/SEC-M**2
 INLET QUALITY .456
 INLET ENTHALPY 1.598E+06 J/KG
 QUENCH FRONT:
 ELEVATION .383 M
 VELOCITY .0033 M/SEC
 QUALITY .509
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.458	811.6	.725	.522

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	429.2	.457	1.94E+04	
.051	434.0	.461	1.97E+04	
.063	430.5	.462	1.94E+04	
.089	439.9	.465	1.97E+04	
.114	433.2	.467	1.98E+04	
.140	429.6	.470	1.94E+04	
.165	431.1	.473	1.96E+04	
.317	462.7	.493	3.15E+04	
.394	714.4	.512	6.37E+04	
.470	805.8	.533	4.31E+04	
.546	841.3	.548	3.39E+04	
.622	858.3	.561	3.24E+04	
.698	879.2	.574	3.09E+04	
.775	891.0	.586	3.03E+04	
.851	903.0	.597	2.92E+04	
.927	906.4	.609	2.82E+04	
1.003	889.0	.620	2.61E+04	
1.067	816.9	.627	2.12E+04	1.26E+03
1.156	858.2	.637	2.21E+04	3.98E+02
1.232	825.7	.646	2.21E+04	
1.257	834.1	.649	2.44E+04	
1.321	855.5	.657	2.43E+04	
1.384	911.7	.665	2.61E+04	
1.460	943.1	.676	2.67E+04	
1.511	947.2	.683	2.56E+04	
1.562	923.2	.690	2.71E+04	
1.613	940.9	.697	2.73E+04	
1.689	972.4	.708	2.70E+04	
1.765	987.8	.718	2.61E+04	
1.816	977.6	.725	2.41E+04	
1.867	940.2	.731	2.45E+04	
1.918	929.1	.737	2.36E+04	
1.994	928.7	.746	2.15E+04	
2.070	918.1	.754	1.86E+04	

INEL POST-CHF EXPERIMENT NO. 115

POINT SERIAL NO. 1115.050 (TIME= 260.50 SEC)

LOOP PRESSURE(PE-3) 16.04 MPA
 FCV TEMPERATURE(TE-FCV-1T) 614.4 K
 LHP INLET ENTHALPY 1.600E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.79 K
 MASS FLUX 23.14 KG/SEC-M**2
 INLET QUALITY .457
 INLET ENTHALPY 1.600E+06 J/KG
 QUENCH FRONT:
 ELEVATION .470 M
 VELOCITY .0032 M/SEC
 QUALITY .519
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.762	612.3	.638	.537

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	427.3	.458	1.92E+04	
.051	431.7	.462	1.94E+04	
.063	429.0	.463	1.93E+04	
.089	437.2	.466	1.96E+04	
.114	430.4	.469	1.97E+04	
.140	428.0	.471	1.93E+04	
.165	429.1	.474	1.93E+04	
.317	439.1	.490	2.11E+04	
.394	468.1	.499	2.39E+04	
.470	663.5	.519	7.52E+04	
.546	793.5	.541	3.65E+04	
.622	818.0	.554	3.26E+04	
.698	844.2	.567	3.09E+04	
.775	858.7	.579	3.01E+04	
.851	874.4	.591	2.88E+04	
.927	880.3	.602	2.82E+04	
1.003	868.2	.613	2.67E+04	
1.067	805.2	.621	2.20E+04	1.56E+03
1.156	846.3	.632	2.29E+04	8.38E+02
1.232	812.7	.641	2.29E+04	
1.257	818.4	.644	2.45E+04	
1.321	840.3	.652	2.45E+04	
1.384	892.0	.660	2.59E+04	
1.460	922.1	.671	2.63E+04	
1.511	925.8	.677	2.51E+04	
1.562	901.1	.684	2.60E+04	
1.613	918.3	.691	.64E+04	
1.689	950.8	.702	2.63E+04	
1.765	968.5	.712	2.58E+04	
1.816	960.2	.719	2.39E+04	
1.867	925.1	.725	2.44E+04	
1.918	916.2	.731	2.36E+04	
1.994	921.3	.741	2.24E+04	
2.070	917.9	.749	2.05E+04	

INEL POST-CHF EXPERIMENT NO. 115

POINT SERIAL NO. 2115.050 (TIME= 260.50 SEC)

LOOP PRESSURE[PE-3] 16.04 MPA
 FCV TEMPERATURE[TE-FCV-1T] 614.3 K
 LHP INLET ENTHALPY 1.600E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.79 K
 MASS FLUX 23.14 KG/SEC-M**2
 INLET QUALITY .457
 INLET ENTHALPY 1.600E+06 J/KG
 QUENCH FRONT:
 ELEVATION .470 M
 VELOCITY .0032 M/SEC
 QUALITY .519
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.537	1.067	690.9	.679	.536

WALL TEMPERATURE MEASUREMENT			LOCATION INFORMATION		HEAT LOSS W/M**2
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS	
(M)	(K)		W/M**2	W/M**2	
.013	427.5	.458	1.94E+04		
.051	431.8	.462	1.94E+04		
.063	429.1	.463	1.93E+04		
.089	437.3	.466	1.95E+04		
.114	430.5	.468	1.95E+04		
.140	428.1	.471	1.92E+04		
.165	429.2	.473	1.93E+04		
.317	439.6	.489	2.12E+04		
.394	470.7	.501	3.49E+04		
.470	654.2	.519	5.90E+04		
.546	792.2	.540	4.32E+04		
.622	817.8	.555	3.34E+04		
.698	844.2	.568	3.12E+04		
.775	858.7	.580	3.03E+04		
.851	874.3	.592	2.91E+04		
.927	880.4	.603	2.83E+04		
1.003	868.2	.614	2.67E+04		
1.067	805.1	.622	2.22E+04	1.40E+03	
1.156	846.2	.633	2.33E+04	4.11E+02	
1.232	812.7	.642	2.29E+04		
1.257	818.5	.645	2.51E+04		
1.321	840.3	.653	2.47E+04		
1.384	892.1	.662	2.61E+04		
1.460	922.2	.672	2.66E+04		
1.511	925.9	.679	2.54E+04		
1.562	901.3	.686	2.68E+04		
1.613	918.5	.693	2.69E+04		
1.689	951.0	.704	2.67E+04		
1.765	968.6	.714	2.61E+04		
1.816	960.3	.721	2.43E+04		
1.867	925.2	.727	2.48E+04		
1.918	916.3	.734	2.41E+04		
1.994	921.3	.743	2.26E+04		
2.070	917.6	.752	2.07E+04		

INEL POST-CHF EXPERIMENT NO. 115

POINT SERIAL NO. 3115.050 (TIME= 260.50 SEC)

LOOP PRESSURE[PE-3] 16.04 MPA
 FCV TEMPERATURE[TE-FCV-1T] 614.3 K
 LHP INLET ENTHALPY 1.600E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.79 K
 MASS FLUX 23.14 KG/SEC-M**2
 INLET QUALITY .457
 INLET ENTHALPY 1.600E+06 J/KG
 QUENCH FRONT:
 ELEVATION .470 M
 VELOCITY .0032 M/SEC
 QUALITY .519
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.841	1.371	790.2	.724	.530

WALL TEMPERATURE MEASUREMENT			LOCATION INFORMATION		HEAT LOSS W/M**2
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS	
(M)	(K)		W/M**2	W/M**2	
.013	427.5	.458	1.94E+04		
.051	431.8	.462	1.94E+04		
.063	429.1	.463	1.93E+04		
.089	437.3	.466	1.95E+04		
.114	430.5	.468	1.95E+04		
.140	428.1	.471	1.92E+04		
.165	429.2	.473	1.93E+04		
.317	439.6	.489	2.12E+04		
.394	470.7	.501	3.49E+04		
.470	654.2	.519	5.90E+04		
.546	792.2	.540	4.32E+04		
.622	817.8	.555	3.34E+04		
.698	844.2	.568	3.12E+04		
.775	858.7	.580	3.03E+04		
.851	874.3	.592	2.91E+04		
.927	880.4	.603	2.83E+04		
1.003	868.2	.614	2.67E+04		
1.067	805.1	.622	2.22E+04	1.40E+03	
1.156	846.2	.633	2.33E+04	4.11E+02	
1.232	812.7	.642	2.29E+04		
1.257	818.5	.645	2.51E+04		
1.321	840.3	.653	2.47E+04		
1.384	892.1	.662	2.61E+04		
1.460	922.2	.672	2.66E+04		
1.511	925.9	.679	2.54E+04		
1.562	901.3	.686	2.68E+04		
1.613	918.5	.693	2.69E+04		
1.689	951.0	.704	2.67E+04		
1.765	968.6	.714	2.61E+04		
1.816	960.3	.721	2.43E+04		
1.867	925.2	.727	2.48E+04		
1.918	916.3	.734	2.41E+04		
1.994	921.3	.743	2.26E+04		
2.070	917.6	.752	2.07E+04		

INEL POST-CHF EXPERIMENT NO. 115

POINT SERIAL NO. 1115.060 (TIME= 286.50 SEC)

LOOP PRESSURE(PE-3) 15.98 MPA
 FCV TEMPERATURE(TE-FCV-1T) 614.2 K
 LHP INLET ENTHALPY 1.599E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.91 K
 MASS FLUX 23.03 KG/SEC-M**2
 INLET QUALITY .456
 INLET ENTHALPY 1.599E+06 J/KG
 QUENCH FRONT:
 ELEVATION .554 M
 VELOCITY .0033 M/SEC
 QUALITY .527
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.678	587.0	.634	.544

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	426.6	.458	1.92E+04	
.051	430.7	.462	1.93E+04	
.063	428.2	.463	1.93E+04	
.089	435.5	.465	1.95E+04	
.114	429.0	.468	1.92E+04	
.140	427.4	.471	1.93E+04	
.165	428.4	.473	1.93E+04	
.317	434.2	.489	2.00E+04	
.394	455.4	.497	2.14E+04	
.470	474.9	.507	2.78E+04	
.546	574.9	.525	6.38E+04	
.622	772.7	.546	3.96E+04	
.698	809.0	.560	3.25E+04	
.775	827.4	.573	3.08E+04	
.851	846.8	.585	2.94E+04	
.927	855.3	.596	2.85E+04	
1.003	847.0	.608	2.73E+04	
1.057	791.5	.616	2.29E+04	1.42E+03
1.156	832.0	.627	2.39E+04	7.37E+02
1.232	798.8	.636	2.34E+04	
1.257	802.6	.639	2.54E+04	
1.321	825.3	.648	2.51E+04	
1.384	873.8	.656	2.61E+04	
1.460	903.0	.667	2.64E+04	
1.511	906.5	.674	2.54E+04	
1.562	881.8	.681	2.64E+04	
1.613	898.7	.688	2.65E+04	
1.689	931.9	.698	2.63E+04	
1.765	950.7	.709	2.61E+04	
1.816	944.0	.715	2.43E+04	
1.867	911.0	.722	2.47E+04	
1.918	903.8	.728	2.42E+04	
1.994	912.3	.738	2.32E+04	
2.070	913.3	.747	2.19E+04	

INEL POST-CHF EXPERIMENT NO. 115

POINT SERIAL NO. 2115.060 (TIME= 285.50 SEC)

LOOP PRESSURE(PE-3) 15.98 MPA
 FCV TEMPERATURE(TE-FCV-1T) 614.2 K
 LHP INLET ENTHALPY 1.599E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.95 K
 MASS FLUX 23.02 KG/SEC-M**2
 INLET QUALITY .456
 INLET ENTHALPY 1.599E+06 J/KG
 QUENCH FRONT:
 ELEVATION .551 M
 VELOCITY .0033 M/SEC
 QUALITY .527
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.986	669.2	.678	.545

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	426.6	.458	1.92E+04	
.051	430.7	.462	1.93E+04	
.063	428.2	.463	1.93E+04	
.089	435.6	.465	1.94E+04	
.114	429.0	.468	1.94E+04	
.140	427.4	.471	1.92E+04	
.165	428.4	.473	1.92E+04	
.317	434.5	.489	2.01E+04	
.394	456.3	.497	2.19E+04	
.470	480.5	.508	3.52E+04	
.546	621.3	.526	5.24E+04	
.622	771.1	.546	4.61E+04	
.698	809.9	.561	3.25E+04	
.775	828.3	.574	3.08E+04	
.851	847.8	.586	2.93E+04	
.927	856.2	.598	2.84E+04	
1.003	847.7	.609	2.72E+04	
1.067	791.9	.617	2.28E+04	1.49E+03
1.156	832.4	.628	2.38E+04	7.75E+02
1.232	799.2	.637	2.34E+04	
1.257	803.0	.641	2.53E+04	
1.321	825.7	.649	2.51E+04	
1.384	874.4	.657	2.61E+04	
1.460	903.7	.668	2.64E+04	
1.511	907.3	.675	2.52E+04	
1.562	882.6	.682	2.64E+04	
1.613	899.5	.689	2.64E+04	
1.689	932.7	.699	2.64E+04	
1.765	951.4	.710	2.60E+04	
1.816	944.7	.716	2.43E+04	
1.867	911.5	.723	2.48E+04	
1.918	904.2	.729	2.42E+04	
1.994	912.6	.739	2.31E+04	
2.070	913.3	.748	2.19E+04	

INEL POST-CHF EXPERIMENT NO. 115

POINT SERIAL NO. 3115.060 (TIME= 286.50 SEC)

LOOP PRESSURE(PE-3) 15.99 MPA
 FCV TEMPERATURE(TE-FCV-1T) 614.2 K
 LHP INLET ENTHALPY 1.599E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.91 K
 MASS FLUX 23.03 KG/SEC-M**2
 INLET QUALITY .456
 INLET ENTHALPY 1.599E+06 J/KG
 QUENCH FRONT:
 ELEVATION .554 M
 VELOCITY .0033 M/SEC
 QUALITY .527
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.288	758.4	.719	.539

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	426.6	.458	1.92E+04	
.051	430.7	.461	1.93E+04	
.063	428.2	.463	1.93E+04	
.089	435.5	.465	1.94E+04	
.114	428.9	.468	1.94E+04	
.140	427.4	.470	1.92E+04	
.165	423.4	.473	1.92E+04	
.317	434.3	.489	2.01E+04	
.394	455.9	.497	2.18E+04	
.470	478.8	.508	3.40E+04	
.546	600.1	.525	5.22E+04	
.622	766.3	.545	4.70E+04	
.698	808.4	.561	3.26E+04	
.775	827.0	.574	3.08E+04	
.851	846.7	.586	2.93E+04	
.927	855.2	.597	2.84E+04	
1.003	846.9	.608	2.72E+04	
1.067	791.3	.617	2.28E+04	1.54E+03
1.156	831.8	.627	2.38E+04	7.89E+02
1.232	798.6	.637	2.34E+04	
1.257	802.4	.640	2.53E+04	
1.321	825.1	.648	2.51E+04	
1.384	873.7	.657	2.61E+04	
1.460	902.9	.667	2.63E+04	
1.511	906.5	.674	2.52E+04	
1.562	881.8	.681	2.63E+04	
1.613	898.8	.688	2.64E+04	
1.689	932.0	.699	2.63E+04	
1.765	950.8	.709	2.59E+04	
1.816	944.0	.716	2.42E+04	
1.867	910.9	.722	2.48E+04	
1.918	903.7	.729	2.42E+04	
1.994	912.2	.738	2.31E+04	
2.070	913.1	.747	2.19E+04	

INEL POST-CHF EXPERIMENT NO. 115

POINT SERIAL NO. 1115.070 (TIME= 300.50 SEC)

LOOP PRESSURE(PE-3) 16.14 MPA
 FCV TEMPERATURE(TE-FCV-1T) 613.7 K
 LHP INLET ENTHALPY 1.594E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.89 K
 MASS FLUX 23.18 KG/SEC-M**2
 INLET QUALITY .454
 INLET ENTHALPY 1.594E+06 J/KG
 QUENCH FRONT:
 ELEVATION .601 M
 VELOCITY .0036 M/SEC
 QUALITY .531
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.631	570.7	.631	.550

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	426.1	.455	1.93E+04	
.051	430.2	.459	1.95E+04	
.063	427.8	.461	1.92E+04	
.089	434.8	.463	1.95E+04	
.114	428.4	.466	1.96E+04	
.140	427.1	.468	1.92E+04	
.165	428.1	.471	1.93E+04	
.317	432.6	.486	1.98E+04	
.394	451.5	.494	2.10E+04	
.470	462.9	.503	2.40E+04	
.546	489.7	.516	3.96E+04	
.622	694.8	.537	6.53E+04	
.698	786.9	.557	3.44E+04	
.775	809.0	.570	3.15E+04	
.851	831.3	.582	2.98E+04	
.927	841.2	.594	2.89E+04	
1.003	834.8	.605	2.74E+04	
1.067	783.2	.613	2.33E+04	1.24E+03
1.156	823.3	.624	2.45E+04	4.88E+02
1.232	790.4	.634	2.38E+04	
1.257	792.9	.637	2.60E+04	
1.321	816.4	.646	2.53E+04	
1.384	863.6	.654	2.63E+04	
1.460	892.5	.665	2.67E+04	
1.511	896.1	.672	2.53E+04	
1.562	871.3	.678	2.64E+04	
1.613	888.2	.685	2.66E+04	
1.689	921.8	.696	2.63E+04	
1.765	941.2	.706	2.59E+04	
1.816	935.1	.713	2.43E+04	
1.867	903.2	.719	2.49E+04	
1.918	896.7	.726	2.44E+04	
1.994	906.8	.735	2.37E+04	
2.070	909.6	.745	2.24E+04	

INEL POST-CHF EXPERIMENT NO. 115

POINT SERIAL NO. 2115.070 (TIME= 300.50 SEC)

LOOP PRESSURE(PE-3) 16.14 MPA
 FCV TEMPERATURE(TE-FCV-1T) 614.0 K
 LHP INLET ENTHALPY 1.596E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.89 K
 MASS FLUX 23.18 KG/SEC-M**2
 INLET QUALITY .455
 INLET ENTHALPY 1.596E+06 J/KG
 QUENCH FRONT:
 ELEVATION .601 M
 VELOCITY .0036 M/SEC
 QUALITY .532
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	IV (K)	XE	XA
1.537	.936	647.2	.675	.552

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	426.2	.456	1.92E+04	
.051	430.2	.460	1.94E+04	
.063	427.8	.461	1.93E+04	
.089	434.8	.464	1.96E+04	
.114	428.4	.467	1.94E+04	
.140	427.1	.469	1.92E+04	
.165	428.1	.472	1.93E+04	
.317	432.7	.487	1.98E+04	
.394	451.6	.495	2.11E+04	
.470	464.2	.505	2.43E+04	
.546	519.2	.518	4.25E+04	
.622	660.2	.538	5.62E+04	
.698	785.7	.557	3.90E+04	
.775	808.6	.571	3.16E+04	
.851	831.0	.583	2.98E+04	
.927	841.2	.594	2.87E+04	
1.003	834.8	.606	2.75E+04	
1.067	783.1	.614	2.34E+04	1.24E+03
1.156	823.2	.625	2.45E+04	5.17E+02
1.232	790.3	.635	2.38E+04	
1.257	793.0	.638	2.55E+04	
1.321	816.5	.646	2.52E+04	
1.384	863.6	.655	2.63E+04	
1.460	892.5	.665	2.64E+04	
1.511	896.1	.672	2.52E+04	
1.562	871.4	.679	2.63E+04	
1.613	888.3	.686	2.63E+04	
1.689	921.8	.696	2.62E+04	
1.765	941.2	.707	2.59E+04	
1.816	935.2	.713	2.42E+04	
1.867	903.1	.720	2.48E+04	
1.918	896.7	.726	2.43E+04	
1.994	906.7	.736	2.34E+04	
2.070	909.4	.745	2.24E+04	

INEL POST-CHF EXPERIMENT NO. 115

POINT SERIAL NO. 3115.070 (TIME= 300.50 SEC)

LOOP PRESSURE(PE-3) 16.14 MPA
 FCV TEMPERATURE(TE-FCV-1T) 614.0 K
 LHP INLET ENTHALPY 1.596E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.89 K
 MASS FLUX 23.18 KG/SEC-M**2
 INLET QUALITY .455
 INLET ENTHALPY 1.596E+06 J/KG
 QUENCH FRONT:
 ELEVATION .601 M
 VELOCITY .0036 M/SEC
 QUALITY .532
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	IV (K)	XE	XA
1.841	1.240	751.9	.716	.539

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	426.2	.456	1.92E+04	
.051	430.2	.460	1.94E+04	
.063	427.8	.461	1.93E+04	
.089	434.8	.464	1.96E+04	
.114	428.4	.467	1.94E+04	
.140	427.1	.469	1.92E+04	
.165	428.1	.472	1.93E+04	
.317	432.7	.487	1.98E+04	
.394	451.6	.495	2.11E+04	
.470	464.2	.505	2.43E+04	
.546	519.2	.518	4.25E+04	
.622	660.2	.538	5.62E+04	
.698	785.7	.557	3.90E+04	
.775	808.6	.571	3.16E+04	
.851	831.0	.583	2.98E+04	
.927	841.2	.594	2.87E+04	
1.003	834.8	.606	2.75E+04	
1.067	783.1	.614	2.34E+04	1.24E+03
1.156	823.2	.625	2.45E+04	5.17E+02
1.232	790.3	.635	2.38E+04	
1.257	793.0	.638	2.55E+04	
1.321	816.5	.646	2.52E+04	
1.384	863.6	.655	2.63E+04	
1.460	892.5	.665	2.64E+04	
1.511	896.1	.672	2.52E+04	
1.562	871.4	.679	2.63E+04	
1.613	888.3	.686	2.63E+04	
1.689	921.8	.696	2.62E+04	
1.765	941.2	.707	2.59E+04	
1.816	935.2	.713	2.42E+04	
1.867	903.1	.720	2.48E+04	
1.918	896.7	.726	2.43E+04	
1.994	906.7	.736	2.34E+04	
2.070	909.4	.745	2.24E+04	

INEL POST-CHF EXPERIMENT NO. 115

POINT SERIAL NO. 2115.080 (TIME= 327.50 SEC)

LOOP PRESSURE(PE-3) 16.07 MPA
 FCV TEMPERATURE(TF-FCV-1T) 614.4 K
 LHP INLET ENTHALPY 1.600E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.92 K
 MASS FLUX 22.73 KG/SEC-M**2
 INLET QUALITY .457
 INLET ENTHALPY 1.600E+06 J/KG
 QUENCH FRONT:
 ELEVATION .697 M
 VELOCITY .0035 M/SEC
 QUALITY .546
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.537 .840 622.7 .679 .566

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013	425.7	.458	1.94E+04	
.051	429.3	.462	1.94E+04	
.063	427.1	.463	1.94E+04	
.089	433.7	.466	1.96E+04	
.114	427.4	.469	1.95E+04	
.140	426.6	.471	1.93E+04	
.165	427.6	.474	1.94E+04	
.317	430.6	.489	1.97E+04	
.394	445.4	.498	2.09E+04	
.470	453.1	.506	2.11E+04	
.546	462.0	.515	2.40E+04	
.622	461.8	.527	3.67E+04	
.698	649.8	.547	5.85E+04	
.775	766.3	.568	4.61E+04	
.851	798.5	.583	3.12E+04	
.927	813.1	.596	2.94E+04	
1.003	810.5	.607	2.80E+04	
1.067	766.4	.616	2.41E+04	8.88E+02
1.156	805.5	.628	2.53E+04	2.66E+02
1.232	773.1	.638	2.42E+04	
1.257	774.8	.641	2.51E+04	
1.321	800.0	.650	2.51E+04	
1.384	844.4	.658	2.51E+04	
1.460	873.0	.669	2.64E+04	
1.511	876.7	.676	2.51E+04	
1.562	852.1	.683	2.64E+04	
1.613	868.9	.690	2.64E+04	
1.689	903.0	.701	2.61E+04	
1.765	923.6	.711	2.59E+04	
1.816	918.6	.718	2.43E+04	
1.867	888.5	.724	2.49E+04	
1.918	883.4	.731	2.45E+04	
1.994	895.6	.741	2.39E+04	
2.070	901.0	.750	2.31E+04	

INEL POST-CHF EXPERIMENT NO. 115

POINT SERIAL NO. 3115.080 (TIME= 327.50 SEC)

LOOP PRESSURE(PE-3) 16.07 MPA
 FCV TEMPERATURE(TF-FCV-1T) 614.4 K
 LHP INLET ENTHALPY 1.600E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.92 K
 MASS FLUX 22.73 KG/SEC-M**2
 INLET QUALITY .457
 INLET ENTHALPY 1.600E+06 J/KG
 QUENCH FRONT:
 ELEVATION .697 M
 VELOCITY .0035 M/SEC
 QUALITY .546
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.841 1.145 730.6 .721 .552

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013	425.7	.458	1.94E+04	
.051	429.3	.462	1.94E+04	
.063	427.1	.463	1.94E+04	
.089	433.7	.466	1.96E+04	
.114	427.4	.469	1.95E+04	
.140	426.6	.471	1.93E+04	
.165	427.6	.474	1.94E+04	
.317	430.6	.489	1.97E+04	
.394	445.4	.498	2.09E+04	
.470	453.1	.506	2.11E+04	
.546	462.0	.515	2.40E+04	
.622	461.8	.527	3.67E+04	
.698	649.8	.547	5.85E+04	
.775	766.3	.568	4.61E+04	
.851	798.5	.583	3.12E+04	
.927	813.1	.596	2.94E+04	
1.003	810.5	.607	2.80E+04	
1.067	766.4	.616	2.41E+04	8.88E+02
1.156	805.5	.628	2.53E+04	2.66E+02
1.232	773.1	.638	2.42E+04	
1.257	774.8	.641	2.57E+04	
1.321	800.0	.650	2.51E+04	
1.384	844.4	.658	2.61E+04	
1.460	873.0	.669	2.64E+04	
1.511	876.7	.676	2.51E+04	
1.562	852.1	.683	2.64E+04	
1.613	868.9	.690	2.64E+04	
1.689	903.0	.701	2.61E+04	
1.765	923.6	.711	2.59E+04	
1.816	918.6	.718	2.43E+04	
1.867	888.5	.724	2.49E+04	
1.918	883.4	.731	2.45E+04	
1.994	895.6	.741	2.39E+04	
2.070	901.0	.750	2.31E+04	

INEL POST-CHF EXPERIMENT NO. 115

POINT SERIAL NO. 2115.090 (TIME= 349.50 SEC)

LOOP PRESSURE(PE-3) 16.13 MPA
 FCV TEMPERATURE(TE-FCV-1T) 614.3 K
 LHP INLET ENTHALPY 1.599E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 424.01 K
 MASS FLUX 23.23 KG/SEC-M**2
 INLET QUALITY .456
 INLET ENTHALPY 1.599E+06 J/KG
 QUENCH FRONT:
 ELEVATION .774 M
 VELOCITY .0034 M/SEC
 QUALITY .555
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.763	603.2	.674	.571

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	425.5	.457	1.5E+04	
.051	428.9	.461	1.9E+04	
.063	426.7	.463	1.95E+04	
.089	432.8	.465	1.96E+04	
.114	426.8	.468	1.96E+04	
.140	426.4	.470	1.94E+04	
.165	427.3	.473	1.94E+04	
.317	429.5	.489	1.97E+04	
.394	441.4	.497	2.05E+04	
.470	448.9	.505	2.08E+04	
.546	451.7	.514	2.20E+04	
.622	441.5	.522	2.21E+04	
.698	486.9	.535	3.99E+04	
.775	654.6	.555	6.24E+04	
.851	763.0	.576	4.39E+04	
.927	787.7	.591	3.09E+04	
1.003	789.3	.603	2.88E+04	
1.067	751.8	.612	2.48E+04	7.59E+02
1.156	790.3	.623	2.59E+04	6.19E+01
1.232	750.0	.633	2.46E+04	
1.257	759.3	.637	2.62E+04	
1.321	786.7	.645	2.53E+04	
1.384	828.9	.654	2.62E+04	
1.460	857.3	.664	2.65E+04	
1.511	861.0	.671	2.52E+04	
1.562	835.9	.678	2.66E+04	
1.613	853.0	.685	2.65E+04	
1.689	887.8	.695	2.64E+04	
1.765	909.2	.706	2.60E+04	
1.816	905.1	.712	2.44E+04	
1.867	916.3	.719	2.51E+04	
1.918	872.1	.725	2.47E+04	
1.994	885.9	.735	2.42E+04	
2.070	892.9	.745	2.35E+04	

INEL POST-CHF EXPERIMENT NO. 115

POINT SERIAL NO. 3115.090 (TIME= 350.50 SEC)

LOOP PRESSURE(PE-3) 16.14 MPA
 FCV TEMPERATURE(TE-FCV-1T) 614.3 K
 LHP INLET ENTHALPY 1.598E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.99 K
 MASS FLUX 23.25 KG/SEC-M**2
 INLET QUALITY .456
 INLET ENTHALPY 1.598E+06 J/KG
 QUENCH FRONT:
 ELEVATION .777 M
 VELOCITY .0034 M/SEC
 QUALITY .555
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.064	713.3	.716	.555

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	425.5	.457	1.93E+04	
.051	428.9	.461	1.95E+04	
.063	426.7	.463	1.95E+04	
.089	432.8	.465	1.96E+04	
.114	426.8	.468	1.95E+04	
.140	426.4	.470	1.94E+04	
.165	427.3	.473	1.95E+04	
.317	429.4	.489	1.97E+04	
.394	441.3	.497	2.05E+04	
.470	448.7	.505	2.08E+04	
.546	451.3	.514	2.19E+04	
.622	441.1	.522	2.20E+04	
.698	484.0	.534	3.86E+04	
.775	634.3	.554	6.24E+04	
.851	758.6	.576	4.50E+04	
.927	786.4	.591	3.10E+04	
1.003	788.3	.603	2.89E+04	
1.067	751.1	.611	2.49E+04	7.49E+02
1.156	789.5	.623	2.59E+04	6.27E+01
1.232	757.3	.633	2.46E+04	
1.257	758.6	.637	2.63E+04	
1.321	786.1	.645	2.53E+04	
1.384	828.2	.654	2.63E+04	
1.460	856.6	.664	2.66E+04	
1.511	860.3	.671	2.53E+04	
1.562	835.1	.678	2.68E+04	
1.613	852.3	.685	2.67E+04	
1.689	887.1	.695	2.65E+04	
1.765	908.6	.706	2.61E+04	
1.816	904.5	.712	2.45E+04	
1.867	875.8	.719	2.52E+04	
1.918	871.6	.725	2.49E+04	
1.994	885.4	.735	2.43E+04	
2.070	892.6	.745	2.36E+04	

INEL POST-CHF EXPERIMENT NO. 115

POINT SERIAL NO. 2115.100 (TIME= 370.50 SEC)

LOOP PRESSURE{PE-3} 16.00 MPA
 FCV TEMPERATURE{TE-FCV-11} 613.8 K
 LHP INLET ENTHALPY 1.596E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.92 K
 MASS FLUX 22.76 KG/SEC-M**2
 INLET QUALITY .455
 INLET ENTHALPY 1.596E+06 J/KG
 QUENCH FRONT:
 ELEVATION .851 M
 VELOCITY .0040 M/SEC
 QUALITY .561
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.537	.686	579.0	.672	.581

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	425.4	.456	1.94E+04	
.051	428.6	.460	1.95E+04	
.063	426.4	.461	1.94E+04	
.089	432.3	.464	1.96E+04	
.114	426.4	.467	1.95E+04	
.140	426.3	.469	1.94E+04	
.165	427.0	.472	1.94E+04	
.317	428.7	.487	1.96E+04	
.394	438.5	.495	2.03E+04	
.470	444.9	.504	2.07E+04	
.546	445.7	.512	2.10E+04	
.622	435.8	.520	2.06E+04	
.698	461.7	.529	2.39E+04	
.775	480.0	.542	4.14E+04	
.851	621.6	.561	5.25E+04	
.927	750.9	.581	4.64E+04	
1.003	765.2	.597	3.10E+04	
1.067	736.1	.606	2.67E+04	
1.156	774.4	.619	2.66E+04	
1.232	742.7	.629	2.50E+04	
1.257	742.6	.633	2.71E+04	
1.321	773.1	.641	2.58E+04	
1.384	813.3	.650	2.68E+04	
1.460	841.3	.661	2.71E+04	
1.511	845.0	.668	2.58E+04	
1.562	819.4	.675	2.72E+04	
1.613	837.0	.682	2.70E+04	
1.689	872.4	.693	2.69E+04	
1.765	894.7	.704	2.67E+04	
1.816	891.3	.711	2.50E+04	
1.867	865.7	.718	2.57E+04	
1.918	860.3	.724	2.54E+04	
1.994	875.6	.734	2.47E+04	
2.070	884.0	.744	2.43E+04	

INEL POST-CHF EXPERIMENT NO. 115

POINT SERIAL NO. 3115.100 (TIME= 370.50 SEC)

LOOP PRESSURE{PE-3} 16.00 MPA
 FCV TEMPERATURE{TE-FCV-11} 613.8 K
 LHP INLET ENTHALPY 1.596E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.92 K
 MASS FLUX 22.76 KG/SEC-M**2
 INLET QUALITY .455
 INLET ENTHALPY 1.596E+06 J/KG
 QUENCH FRONT:
 ELEVATION .851 M
 VELOCITY .0040 M/SEC
 QUALITY .561
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.841	.991	697.8	.714	.562

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	425.4	.456	1.94E+04	
.051	428.6	.460	1.95E+04	
.063	426.4	.461	1.94E+04	
.089	432.3	.464	1.96E+04	
.114	426.4	.467	1.95E+04	
.140	426.3	.469	1.94E+04	
.165	427.0	.472	1.94E+04	
.317	428.7	.487	1.96E+04	
.394	438.5	.495	2.03E+04	
.470	444.9	.504	2.07E+04	
.546	445.7	.512	2.10E+04	
.622	435.8	.520	2.06E+04	
.698	461.7	.529	2.39E+04	
.775	480.0	.542	4.14E+04	
.851	621.6	.561	5.25E+04	
.927	750.9	.581	4.64E+04	
1.003	765.2	.597	3.10E+04	
1.067	736.1	.606	2.67E+04	
1.156	774.4	.619	2.66E+04	
1.232	742.7	.629	2.50E+04	
1.257	742.6	.633	2.71E+04	
1.321	773.1	.641	2.58E+04	
1.384	813.3	.650	2.68E+04	
1.460	841.3	.661	2.71E+04	
1.511	845.0	.668	2.58E+04	
1.562	819.4	.675	2.72E+04	
1.613	837.0	.682	2.70E+04	
1.689	872.4	.693	2.69E+04	
1.765	894.7	.704	2.67E+04	
1.816	891.3	.711	2.50E+04	
1.867	865.7	.718	2.57E+04	
1.918	860.3	.724	2.54E+04	
1.994	875.6	.734	2.47E+04	
2.070	884.0	.744	2.43E+04	

INEL POST-CHF EXPERIMENT NO. 115

POINT SERIAL NO. 3115.110 (TIME= 389.50 SEC)

LOOP PRESSURE{PE-3} 16.19 MPA
 FCV TEMPERATURE{TE-FCV-1T} 614.4 K
 LHP INLET ENTHALPY 1.599E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.92 K
 MASS FLUX 22.73 KG/SEC-M**2
 INLET QUALITY .457
 INLET ENTHALPY 1.599E+06 J/KG
 QUENCH FRONT:
 ELEVATION .927 M
 VELOCITY .0040 M/SEC
 QUALITY .572
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.841 .915 674.6 .716 .573

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013	425.1	.458	1.96E+04	
.051	428.3	.462	1.95E+04	
.063	426.3	.463	1.95E+04	
.089	431.9	.466	1.96E+04	
.114	426.2	.468	1.95E+04	
.140	426.2	.471	1.94E+04	
.165	426.9	.474	1.95E+04	
.317	428.0	.489	1.97E+04	
.394	436.4	.498	2.01E+04	
.470	441.9	.506	2.04E+04	
.546	442.0	.514	2.07E+04	
.622	432.7	.522	2.03E+04	
.698	452.8	.531	2.20E+04	
.775	452.5	.540	2.34E+04	
.851	481.6	.553	3.90E+04	
.927	640.2	.572	5.55E+04	
1.003	733.4	.593	5.17E+04	
1.067	719.6	.607	2.76E+04	
1.156	758.6	.620	2.72E+04	
1.232	728.0	.630	2.52E+04	
1.257	726.2	.634	2.74E+04	
1.321	759.8	.643	2.62E+04	
1.384	798.5	.652	2.69E+04	
1.460	826.1	.663	2.73E+04	
1.511	829.7	.670	2.61E+04	
1.562	804.4	.677	2.70E+04	
1.613	822.3	.684	2.70E+04	
1.689	857.9	.695	2.70E+04	
1.765	881.0	.706	2.68E+04	
1.816	878.1	.713	2.52E+04	
1.867	651.6	.720	2.60E+04	
1.918	849.0	.727	2.56E+04	
1.994	865.5	.737	2.50E+04	
2.070	874.8	.747	2.47E+04	

INEL POST-CHF EXPERIMENT NO. 115

POINT SERIAL NO. 3115.120 (TIME= 408.50 SEC)

LOOP PRESSURE{PE-3} 16.09 MPA
 FCV TEMPERATURE{TE-FCV-1T} 614.3 K
 LHP INLET ENTHALPY 1.599E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.93 K
 MASS FLUX 22.73 KG/SEC-M**2
 INLET QUALITY .457
 INLET ENTHALPY 1.599E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.002 M
 VELOCITY .0039 M/SEC
 QUALITY .582
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.841 .839 656.2 .712 .578

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013	424.8	.458	1.96E+04	
.051	428.2	.462	1.95E+04	
.063	426.1	.463	1.95E+04	
.089	431.5	.466	1.96E+04	
.114	425.9	.468	1.95E+04	
.140	426.0	.471	1.95E+04	
.165	426.8	.474	1.95E+04	
.317	427.5	.489	1.97E+04	
.394	434.8	.497	2.00E+04	
.470	439.6	.506	2.03E+04	
.546	439.2	.514	2.04E+04	
.622	430.7	.522	2.01E+04	
.698	447.2	.530	2.12E+04	
.775	444.9	.539	2.18E+04	
.851	451.1	.548	2.35E+04	
.927	501.9	.561	4.22E+04	
1.003	629.4	.582	6.22E+04	
1.067	694.1	.599	3.80E+04	
1.156	740.8	.615	2.83E+04	
1.232	712.6	.626	2.55E+04	
1.257	709.1	.629	2.76E+04	
1.321	745.7	.638	2.65E+04	
1.384	783.2	.647	2.71E+04	
1.460	810.3	.658	2.75E+04	
1.511	813.8	.666	2.64E+04	
1.562	789.3	.673	2.72E+04	
1.613	807.6	.680	2.70E+04	
1.689	843.2	.691	2.71E+04	
1.765	866.9	.702	2.69E+04	
1.816	864.6	.709	2.54E+04	
1.867	838.9	.716	2.62E+04	
1.918	837.1	.723	2.58E+04	
1.994	854.9	.733	2.53E+04	
2.070	864.8	.743	2.50E+04	

INEL POST-CHF EXPERIMENT NO. 115

POINT SERIAL NO. 3115.130 (TIME= 425.50 SEC)

LOOP PRESSURE(PE-3) 16.12 MPA
 FCV TEMPERATURE(TE-FCV-1T) 614.0 K
 LHP INLET ENTHALPY 1.596E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.83 K
 MASS FLUX 23.05 KG/SEC-M**2
 INLET QUALITY .455
 INLET ENTHALPY 1.596E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.070 M
 VELOCITY .0040 M/SEC
 QUALITY .586
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.841	.772	645.1	.707	.579
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WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013	425.0	.457	1.92E+04	
.051	428.0	.460	1.95E+04	
.063	426.0	.462	1.95E+04	
.089	431.2	.464	1.96E+04	
.114	425.8	.467	1.95E+04	
.140	426.0	.470	1.95E+04	
.165	426.6	.472	1.95E+04	
.317	427.0	.488	1.96E+04	
.394	433.7	.496	1.99E+04	
.470	437.9	.504	2.01E+04	
.546	437.2	.512	2.02E+04	
.622	429.3	.520	2.00E+04	
.698	443.7	.529	2.07E+04	
.775	440.6	.537	2.09E+04	
.851	446.0	.546	2.18E+04	
.927	469.2	.555	2.54E+04	
1.003	483.8	.570	4.72E+04	
1.067	643.6	.586	4.88E+04	
1.156	716.7	.606	3.82E+04	
1.232	697.7	.619	2.63E+04	
1.257	692.3	.623	2.85E+04	
1.321	732.4	.632	2.66E+04	
1.384	769.1	.641	2.72E+04	
1.460	795.8	.652	2.76E+04	
1.511	798.8	.659	2.67E+04	
1.562	774.8	.667	2.79E+04	
1.613	793.9	.674	2.73E+04	
1.689	829.5	.685	2.74E+04	
1.765	853.7	.696	2.72E+04	
1.816	852.0	.703	2.57E+04	
1.867	827.0	.710	2.65E+04	
1.918	825.9	.717	2.61E+04	
1.994	844.8	.728	2.55E+04	
2.070	855.4	.738	2.53E+04	

INEL POST-CHF EXPERIMENT NO. 115

POINT SERIAL NO. 3115.140 (TIME= 444.50 SEC)

LOOP PRESSURE(PE-3) 15.98 MPA
 FCV TEMPERATURE(TE-FCV-1T) 614.2 K
 LHP INLET ENTHALPY 1.599E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.94 K
 MASS FLUX 22.57 KG/SEC-M**2
 INLET QUALITY .456
 INLET ENTHALPY 1.599E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.155 M
 VELOCITY .0050 M/SEC
 QUALITY .597
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.841	.686	626.8	.708	.589
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WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013	425.3	.458	1.94E+04	
.051	427.8	.462	1.96E+04	
.063	425.8	.463	1.95E+04	
.089	430.9	.465	1.96E+04	
.114	425.7	.468	1.96E+04	
.140	425.9	.471	1.95E+04	
.165	426.5	.473	1.96E+04	
.317	426.7	.489	1.96E+04	
.394	432.7	.497	1.99E+04	
.470	436.5	.505	2.01E+04	
.546	435.7	.513	2.01E+04	
.622	428.3	.521	1.99E+04	
.698	441.1	.529	2.05E+04	
.775	437.7	.538	2.06E+04	
.851	441.5	.546	2.11E+04	
.927	459.2	.555	2.29E+04	
1.003	439.8	.564	2.26E+04	
1.067	541.6	.575	4.49E+04	
1.156	634.7	.597	4.46E+04	
1.232	678.9	.612	2.84E+04	
1.257	669.4	.617	5.60E+04	
1.321	718.7	.631	2.75E+04	
1.384	754.7	.640	2.79E+04	
1.460	781.0	.652	2.83E+04	
1.511	783.3	.659	2.73E+04	
1.562	759.0	.667	2.88E+04	
1.613	779.6	.674	2.79E+04	
1.689	815.3	.686	2.81E+04	
1.765	840.1	.697	2.79E+04	
1.816	838.8	.704	2.64E+04	
1.867	814.7	.711	2.70E+04	
1.918	814.2	.718	2.66E+04	
1.994	834.2	.729	2.61E+04	
2.070	845.4	.740	2.59E+04	

INEL POST-CHF EXPERIMENT NO. 115

POINT SERIAL NO. 3115.150 (TIME= 458.50 SEC)

LOOP PRESSURE(PE-3) 16.14 MPA
 FCV TEMPERATURE(TE-FCV-1T) 614.6 K
 LHP INLET ENTHALPY 1.601E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.77 K
 MASS FLUX 23.07 KG/SEC-M**2
 INLET QUALITY .458
 INLET ENTHALPY 1.601E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.238 M
 VELOCITY .0070 M/SEC
 QUALITY .614
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.841	.603	609.3	.714	.602

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	425.6	.459	1.95E+04	
.051	427.7	.463	1.96E+04	
.063	425.8	.464	1.96E+04	
.089	430.8	.467	1.96E+04	
.114	425.6	.469	1.96E+04	
.140	425.9	.472	1.96E+04	
.165	426.5	.475	1.96E+04	
.317	426.6	.491	1.96E+04	
.394	432.3	.499	1.99E+04	
.470	436.1	.507	2.00E+04	
.546	435.2	.515	2.02E+04	
.622	427.9	.523	1.99E+04	
.698	440.1	.531	2.04E+04	
.775	436.7	.539	2.05E+04	
.851	439.9	.548	2.09E+04	
.927	456.2	.556	2.23E+04	
1.003	436.9	.565	2.15E+04	
1.067	510.1	.575	3.61E+04	
1.156	596.2	.595	5.14E+04	
1.232	653.2	.612	3.07E+04	
1.257	633.5	.619	7.24E+04	
1.321	712.7	.636	2.80E+04	
1.384	748.5	.645	2.82E+04	
1.460	774.6	.657	2.87E+04	
1.511	776.7	.664	2.77E+04	
1.562	752.1	.672	2.94E+04	
1.613	773.4	.680	2.84E+04	
1.689	809.2	.691	2.85E+04	
1.765	834.2	.703	2.84E+04	
1.816	833.1	.710	2.68E+04	
1.867	809.5	.717	2.73E+04	
1.918	809.2	.725	2.68E+04	
1.994	829.7	.735	2.64E+04	
2.070	841.1	.746	2.63E+04	

INEL POST-CHF EXPERIMENT NO. 116

POINT SERIAL NO. 1116.010 (TIME= 181.50 SEC)

LOOP PRESSURE(PE-3) 16.03 MPA
 FCV TEMPERATURE(TE-FCV-1T) 613.8 K
 LHP INLET ENTHALPY 1.595E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.98 K
 MASS FLUX 18.94 KG/SEC-M**2
 INLET QUALITY .455
 INLET ENTHALPY 1.595E+06 J/KG
 QUENCH FRONT:
 ELEVATION .237 M
 VELOCITY .0035 M/SEC
 QUALITY .479
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.232	.995	644.7	.613	.502

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	439.7	.456	1.08E+04	
.051	445.4	.458	1.26E+04	
.063	435.9	.459	1.05E+04	
.089	448.6	.461	1.15E+04	
.114	441.6	.463	1.12E+04	
.140	432.5	.465	1.03E+04	
.165	435.7	.467	1.64E+04	
.317	745.0	.493	3.55E+04	
.394	800.4	.508	2.57E+04	
.470	827.1	.520	2.47E+04	
.546	847.9	.532	2.39E+04	
.622	855.8	.544	2.32E+04	
.698	870.9	.555	2.22E+04	
.775	879.5	.565	2.16E+04	
.851	889.3	.576	2.08E+04	
.927	891.1	.585	1.97E+04	
1.003	864.3	.594	1.72E+04	
1.067	781.9	.600	1.27E+04	
1.156	832.0	.608	1.45E+04	2.12E+02
1.232	798.6	.615	1.30E+04	
1.257	804.0	.617	1.44E+04	
1.321	823.9	.623	1.50E+04	
1.384	886.7	.630	1.76E+04	
1.461	913.2	.638	1.79E+04	
1.511	914.4	.644	1.73E+04	
1.562	894.2	.650	1.91E+04	
1.613	911.4	.656	1.94E+04	
1.689	938.0	.665	1.84E+04	
1.765	947.8	.674	1.72E+04	
1.816	935.3	.679	1.58E+04	
1.867	902.3	.684	1.53E+04	
1.918	887.9	.689	1.49E+04	
1.994	886.3	.696	1.29E+04	
2.070	860.4	.701	8.82E+03	

INEL POST-CHF EXPERIMENT NO. 116

POINT SERIAL NO. 2116.010 (TIME= 181.50 SEC)

LOOP PRESSURE(PE-3) 16.03 MPA
 FCV TEMPERATURE(TE-FCV-1T) 613.8 K
 LHP INLET ENTHALPY 1.595E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.98 K
 MASS FLUX 18.94 KG/SEC-M**2
 INLET QUALITY .455
 INLET ENTHALPY 1.595E+06 J/KG
 QUENCH FRONT:
 ELEVATION .237 M
 VELOCITY .0035 M/SEC
 QUALITY .479
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	1.300	726.4	.644	.494

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	439.7	.456	1.08E+04	
.051	445.4	.458	1.26E+04	
.063	435.9	.459	1.05E+04	
.089	448.6	.461	1.15E+04	
.114	441.6	.463	1.12E+04	
.140	432.5	.465	1.03E+04	
.165	435.7	.467	1.64E+04	
.317	745.0	.493	3.55E+04	
.394	800.4	.508	2.57E+04	
.470	827.1	.520	2.47E+04	
.546	847.9	.532	2.39E+04	
.622	855.8	.544	2.32E+04	
.698	870.9	.555	2.22E+04	
.775	879.5	.565	2.16E+04	
.851	889.3	.576	2.08E+04	
.927	891.1	.585	1.97E+04	
1.003	864.3	.594	1.72E+04	
1.067	781.9	.600	1.27E+04	
1.156	832.0	.608	1.45E+04	2.12E+02
1.232	798.6	.615	1.30E+04	
1.257	804.0	.617	1.44E+04	
1.321	823.9	.623	1.50E+04	
1.384	886.7	.630	1.76E+04	
1.460	913.2	.638	1.79E+04	
1.511	914.4	.644	1.73E+04	
1.562	894.2	.650	1.91E+04	
1.613	911.4	.656	1.94E+04	
1.689	938.0	.665	1.84E+04	
1.765	947.8	.674	1.72E+04	
1.816	935.3	.679	1.58E+04	
1.867	902.3	.684	1.53E+04	
1.918	887.9	.689	1.49E+04	
1.994	886.3	.696	1.29E+04	
2.070	860.4	.701	8.82E+03	

INEL POST-CHF EXPERIMENT NO. 116

POINT SERIAL NO. 3116.010 (TIME= 181.50 SEC)

LOOP PRESSURE(PE-3) 16.03 MPA
 FCV TEMPERATURE(TE-FCV-1T) 613.8 K
 LHP INLET ENTHALPY 1.595E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.98 K
 MASS FLUX 18.94 KG/SEC-M**2
 INLET QUALITY .455
 INLET ENTHALPY 1.595E+06 J/KG
 QUENCH FRONT:
 ELEVATION .237 M
 VELOCITY .0035 M/SEC
 QUALITY .479
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.605	823.5	.679	.485

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	439.7	.456	1.08E+04	
.051	445.4	.458	1.26E+04	
.063	435.9	.459	1.05E+04	
.089	448.6	.461	1.15E+04	
.114	441.6	.463	1.12E+04	
.140	432.5	.465	1.03E+04	
.165	435.7	.467	1.64E+04	
.317	745.0	.493	3.55E+04	
.394	800.4	.508	2.57E+04	
.470	827.1	.520	2.47E+04	
.546	847.9	.532	2.39E+04	
.622	855.8	.544	2.32E+04	
.698	870.9	.555	2.22E+04	
.775	879.5	.565	2.16E+04	
.851	889.3	.576	2.08E+04	
.927	891.1	.585	1.97E+04	
1.003	864.3	.594	1.72E+04	
1.067	781.9	.600	1.27E+04	
1.156	832.0	.608	1.45E+04	2.12E+02
1.232	798.6	.615	1.30E+04	
1.257	804.0	.617	1.44E+04	
1.321	823.9	.623	1.50E+04	
1.384	886.7	.630	1.76E+04	
1.460	913.2	.638	1.79E+04	
1.511	914.4	.644	1.73E+04	
1.562	894.2	.650	1.91E+04	
1.613	911.4	.656	1.94E+04	
1.689	938.0	.665	1.84E+04	
1.765	947.8	.674	1.72E+04	
1.816	935.3	.679	1.58E+04	
1.867	902.3	.684	1.53E+04	
1.918	887.9	.689	1.49E+04	
1.994	886.3	.696	1.29E+04	
2.070	860.4	.701	8.82E+03	

INEL POST-CHF EXPERIMENT NO. 116

POINT SERIAL NO. 1116.020 (TIME= 219.50 SEC)

LOOP PRESSURE{PE-3} 16.01 MPA
 FCV TEMPERATURE{TE-FCV-1T} 613.6 K
 LHP INLET ENTHALPY 1.594E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.90 K
 MASS FLUX 18.03 KG/SEC-M**2
 INLET QUALITY .454
 INLET ENTHALPY 1.594E+06 J/KG
 QUENCH FRONT:
 ELEVATION .324 M
 VELOCITY .0023 M/SEC
 QUALITY .487
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.908	608.2	.604	.510

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	434.5	.455	9.90E+03	
.051	436.6	.457	1.04E+04	
.063	431.5	.458	9.72E+03	
.089	441.5	.460	1.02E+04	
.114	434.8	.462	1.02E+04	
.140	428.6	.463	9.56E+03	
.165	430.2	.465	9.78E+03	
.317	589.6	.486	3.15E+04	
.394	750.0	.501	2.81E+04	
.470	781.8	.514	2.21E+04	
.546	805.6	.525	2.13E+04	
.622	815.9	.536	2.06E+04	
.698	833.3	.546	2.01E+04	
.775	843.3	.556	1.97E+04	
.851	856.3	.566	1.89E+04	
.927	860.1	.576	1.83E+04	
1.003	840.1	.585	1.65E+04	
1.067	768.8	.591	1.32E+04	
1.156	813.7	.599	1.41E+04	2.98E+02
1.232	783.2	.606	1.33E+04	
1.257	787.8	.608	1.43E+04	
1.321	806.5	.614	1.44E+04	
1.384	862.6	.621	1.63E+04	
1.460	898.8	.629	1.65E+04	
1.511	890.2	.635	1.59E+04	
1.562	868.8	.640	1.67E+04	
1.613	885.3	.646	1.68E+04	
1.689	913.9	.655	1.64E+04	
1.765	926.5	.663	1.57E+04	
1.816	915.9	.668	1.46E+04	
1.867	885.1	.673	1.45E+04	
1.918	873.1	.678	1.37E+04	
1.994	875.5	.684	1.25E+04	
2.070	859.8	.690	1.01E+04	

INEL POST-CHF EXPERIMENT NO. 116

POINT SERIAL NO. 2116.020 (TIME= 217.50 SEC)

LOOP PRESSURE{PE-3} 16.05 MPA
 FCV TEMPERATURE{TE-FCV-1T} 613.7 K
 LHP INLET ENTHALPY 1.594E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.92 K
 MASS FLUX 18.09 KG/SEC-M**2
 INLET QUALITY .454
 INLET ENTHALPY 1.594E+06 J/KG
 QUENCH FRONT:
 ELEVATION .320 M
 VELOCITY .0023 M/SEC
 QUALITY .487
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	1.217	701.2	.635	.497

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	434.8	.455	9.89E+03	
.051	437.0	.458	1.05E+04	
.063	431.7	.459	9.75E+03	
.089	441.9	.460	1.03E+04	
.114	435.1	.462	1.02E+04	
.140	428.8	.464	9.61E+03	
.165	430.4	.465	9.86E+03	
.317	625.4	.487	3.27E+04	
.394	753.6	.502	2.69E+04	
.470	784.9	.515	2.22E+04	
.546	808.4	.526	2.13E+04	
.622	818.6	.536	2.07E+04	
.698	835.8	.547	2.01E+04	
.775	845.7	.557	1.98E+04	
.851	858.5	.567	1.90E+04	
.927	862.2	.576	1.84E+04	
1.003	841.8	.585	1.65E+04	
1.067	769.7	.591	1.32E+04	
1.156	815.0	.600	1.41E+04	2.79E+02
1.232	784.3	.606	1.33E+04	
1.257	789.0	.609	1.42E+04	
1.321	807.7	.615	1.44E+04	
1.384	864.2	.621	1.63E+04	
1.460	890.5	.630	1.65E+04	
1.511	891.8	.635	1.60E+04	
1.562	870.4	.641	1.68E+04	
1.613	887.0	.646	1.69E+04	
1.689	915.5	.655	1.65E+04	
1.765	927.9	.663	1.57E+04	
1.816	917.2	.668	1.46E+04	
1.867	886.2	.673	1.45E+04	
1.918	874.2	.678	1.37E+04	
1.994	876.2	.685	1.26E+04	
2.070	860.0	.690	9.96E+03	

INEL POST-CHF EXPERIMENT NO. 116

POINT SERIAL NO. 3116.020 (TIME= 218.50 SEC)

LOOP PRESSURE(PE-3) 16.04 MPA
 FCV TEMPERATURE(TE-FCV-1T) 613.7 K
 LHP INLET ENTHALPY 1.594E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.91 K
 MASS FLUX 18.05 KG/SEC-M**2
 INLET QUALITY .454
 INLET ENTHALPY 1.594E+06 J/KG
 QUENCH FRONT:
 ELEVATION .322 M
 VELOCITY .0023 M/SEC
 QUALITY .487
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.841	1.520	772.9	.668	.495
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WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION HEAT LOSS
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013	434.7	.455	9.91E+03	
.051	436.8	.458	1.04E+04	
.063	431.6	.458	9.73E+03	
.089	441.7	.460	1.03E+04	
.114	434.9	.462	1.02E+04	
.140	428.7	.464	9.58E+03	
.165	430.3	.465	9.82E+03	
.317	607.9	.487	3.21E+04	
.394	751.8	.502	2.75E+04	
.470	783.3	.514	2.22E+04	
.546	807.0	.525	2.81E+04	
.622	817.3	.536	2.97E+04	
.698	834.5	.546	2.01E+04	
.775	844.5	.557	1.97E+04	
.851	857.4	.566	1.89E+04	
.927	861.2	.576	1.84E+04	
1.003	840.9	.585	1.65E+04	
1.067	769.3	.591	1.33E+04	
1.156	814.4	.599	1.41E+04	2.89E+02
1.232	783.7	.606	1.33E+04	
1.257	788.4	.609	1.42E+04	
1.321	807.1	.615	1.44E+04	
1.384	863.8	.621	1.63E+04	
1.460	889.3	.630	1.65E+04	
1.511	891.0	.635	1.59E+04	
1.562	869.6	.641	1.67E+04	
1.613	886.1	.646	1.68E+04	
1.689	914.7	.655	1.64E+04	
1.765	927.2	.663	1.57E+04	
1.816	916.5	.668	1.46E+04	
1.867	885.7	.673	1.45E+04	
1.918	873.6	.678	1.37E+04	
1.994	875.9	.684	1.26E+04	
2.070	859.9	.690	1.00E+04	

INEL POST-CHF EXPERIMENT NO. 116

POINT SERIAL NO. 1116.030 (TIME= 249.50 SEC)

LOOP PRESSURE(PE-3) 16.10 MPA
 FCV TEMPERATURE(TE-FCV-1T) 613.7 K
 LHP INLET ENTHALPY 1.594E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.87 K
 MASS FLUX 17.84 KG/SEC-M**2
 INLET QUALITY .454
 INLET ENTHALPY 1.594E+06 J/KG
 QUENCH FRONT:
 ELEVATION .396 M
 VELOCITY .0025 M/SEC
 QUALITY .492
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.232	.836	582.5	.598	.515
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WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION HEAT LOSS
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013	431.4	.455	9.53E+03	
.051	432.3	.457	9.60E+03	
.063	428.9	.458	9.40E+03	
.089	437.2	.460	9.74E+03	
.114	430.7	.462	9.65E+03	
.140	426.6	.463	9.30E+03	
.165	427.7	.465	9.32E+03	
.317	442.6	.476	1.26E+04	
.394	576.8	.491	4.72E+04	
.470	736.3	.509	2.25E+04	
.546	765.2	.520	2.04E+04	
.622	778.1	.531	1.94E+04	
.698	797.9	.541	1.88E+04	
.775	809.2	.550	1.85E+04	
.851	824.3	.560	1.82E+04	
.927	830.1	.569	1.77E+04	
1.003	815.3	.578	1.62E+04	
1.067	753.8	.584	1.34E+04	1.22E+02
1.156	794.7	.592	1.43E+04	3.44E+02
1.232	766.0	.600	1.37E+04	
1.257	769.5	.602	1.44E+04	
1.321	788.6	.608	1.43E+04	
1.384	839.3	.615	1.58E+04	
1.460	865.3	.623	1.60E+04	
1.511	866.6	.628	1.53E+04	
1.562	844.5	.634	1.59E+04	
1.613	861.0	.639	1.61E+04	
1.689	891.1	.647	1.58E+04	
1.765	906.0	.655	1.52E+04	
1.816	896.8	.660	1.43E+04	
1.867	867.8	.665	1.42E+04	
1.918	858.2	.670	1.37E+04	
1.994	863.8	.677	1.29E+04	
2.070	835.3	.692	4.39E+04	

INEL POST-CHF EXPERIMENT NO. 116

POINT SERIAL NO. 2116.030 (TIME= 247.50 SEC)

LOOP PRESSURE(PE-3) 16.16 MPA
 FCV TEMPERATURE(TE-FCV-1T) 613.6 K
 LHP INLET ENTHALPY 1.593E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.87 K
 MASS FLUX 17.88 KG/SEC-M**2
 INLET QUALITY .454
 INLET ENTHALPY 1.593E+06 J/KG
 QUENCH FRONT:
 ELEVATION 391 M
 VELOCITY .0025 M/SEC
 QUALITY .491
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	DZQF	IV	XE	XA
(M)	(M)	(K)		
1.537	1.146	676.5	.628	.501

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	431.6	.455	9.63E+03	
.051	432.5	.457	9.62E+03	
.063	429.0	.458	9.47E+03	
.089	437.4	.460	9.72E+03	
.114	430.8	.461	9.82E+03	
.140	426.7	.463	9.26E+03	
.165	427.8	.464	9.22E+03	
.317	443.6	.476	1.30E+04	
.394	635.0	.491	4.77E+04	
.470	739.5	.509	2.22E+04	
.546	767.8	.520	2.04E+04	
.622	780.4	.531	1.95E+04	
.698	800.1	.540	1.89E+04	
.775	811.3	.550	1.86E+04	
.851	826.3	.560	1.82E+04	
.927	832.0	.569	1.78E+04	
1.003	816.9	.578	1.63E+04	
1.067	754.9	.584	1.33E+04	2.19E+02
1.156	796.0	.592	1.41E+04	2.55E+02
1.232	767.2	.599	1.37E+04	
1.257	770.8	.602	1.45E+04	
1.321	789.7	.608	1.43E+04	
1.384	840.8	.614	1.60E+04	
1.460	866.8	.623	1.60E+04	
1.511	868.1	.628	1.54E+04	
1.562	846.0	.633	1.59E+04	
1.613	862.5	.639	1.60E+04	
1.689	892.5	.647	1.57E+04	
1.765	907.3	.655	1.52E+04	
1.816	898.0	.660	1.42E+04	
1.867	868.9	.665	1.43E+04	
1.918	859.1	.670	1.35E+04	
1.994	864.6	.676	1.28E+04	
2.070	842.6	.689	3.76E+04	

INEL POST-CHF EXPERIMENT NO. 116

POINT SERIAL NO. 3116.030 (TIME= 248.50 SEC)

LOOP PRESSURE(PE-3) 16.13 MPA
 FCV TEMPERATURE(TE-FCV-1T) 613.7 K
 LHP INLET ENTHALPY 1.594E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.88 K
 MASS FLUX 17.86 KG/SEC-M**2
 INLET QUALITY .454
 INLET ENTHALPY 1.594E+06 J/KG
 QUENCH FRONT:
 ELEVATION 393 M
 VELOCITY .0025 M/SEC
 QUALITY .491
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	DZQF	IV	XE	XA
(M)	(M)	(K)		
1.841	1.448	751.9	.660	.497

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	431.5	.455	9.60E+03	
.051	432.4	.457	9.62E+03	
.063	428.9	.458	9.39E+03	
.089	437.3	.460	9.73E+03	
.114	430.8	.461	9.65E+03	
.140	426.6	.463	9.27E+03	
.165	427.8	.465	9.25E+03	
.317	443.1	.476	1.28E+04	
.394	603.4	.491	4.75E+04	
.470	737.9	.509	2.24E+04	
.546	766.5	.520	2.04E+04	
.622	779.2	.531	1.94E+04	
.698	799.0	.540	1.88E+04	
.775	810.3	.550	1.86E+04	
.851	825.3	.559	1.82E+04	
.927	831.1	.569	1.77E+04	
1.003	816.1	.577	1.62E+04	
1.067	754.3	.584	1.34E+04	1.60E+02
1.156	795.4	.592	1.42E+04	3.51E+02
1.232	766.6	.599	1.37E+04	
1.257	770.1	.602	1.45E+04	
1.321	789.1	.608	1.43E+04	
1.384	840.1	.614	1.59E+04	
1.460	866.0	.623	1.59E+04	
1.511	867.4	.628	1.53E+04	
1.562	845.3	.633	1.58E+04	
1.613	861.8	.639	1.60E+04	
1.689	871.8	.647	1.57E+04	
1.765	906.7	.655	1.51E+04	
1.816	897.4	.660	1.42E+04	
1.867	868.3	.665	1.42E+04	
1.918	858.7	.669	1.35E+04	
1.994	864.2	.676	1.29E+04	
2.070	839.2	.690	4.08E+04	

INEL POST-CHF EXPERIMENT NO. 116

POINT SERIAL NO. 1116.040 (TIME= 270.50 SEC)

LOOP PRESSURE(PE-3) 16.02 MPA
 FCV TEMPERATURE(TE-FCV-1T) 613.8 K
 LHP INLET ENTHALPY 1.596E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.81 K
 MASS FLUX 17.79 KG/SEC-M**2
 INLET QUALITY .455
 INLET ENTHALPY 1.596E+06 J/KG
 QUENCH FRONT:
 ELEVATION .449 M
 VELOCITY .0025 M/SEC
 QUALITY .494
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.783	570.3	.588	.512

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	429.8	.456	9.54E+03	
.051	430.7	.458	9.53E+03	
.063	427.7	.459	9.38E+03	
.089	435.2	.461	9.69E+03	
.114	428.8	.462	9.60E+03	
.140	425.7	.464	9.29E+03	
.165	426.8	.466	9.28E+03	
.317	435.5	.476	1.08E+04	
.394	462.9	.484	2.03E+04	
.470	676.0	.498	3.34E+04	
.546	736.7	.512	2.09E+04	
.622	752.9	.522	1.93E+04	
.698	774.8	.532	1.85E+04	
.775	787.0	.541	1.81E+04	
.851	803.4	.551	1.77E+04	
.927	810.4	.560	1.73E+04	
1.003	798.5	.568	1.62E+04	
1.067	742.9	.575	1.32E+04	4.35E+02
1.156	781.6	.583	1.39E+04	3.04E+02
1.232	753.7	.590	1.35E+04	
1.257	756.8	.592	1.45E+04	
1.321	776.4	.599	1.41E+04	
1.384	824.2	.605	1.55E+04	
1.460	849.6	.613	1.57E+04	
1.511	851.1	.618	1.52E+04	
1.562	828.8	.624	1.60E+04	
1.613	845.1	.629	1.60E+04	
1.689	876.0	.637	1.58E+04	
1.765	892.3	.645	1.53E+04	
1.816	883.7	.651	1.44E+04	
1.867	856.1	.655	1.44E+04	
1.918	847.7	.660	1.38E+04	
1.994	855.2	.667	1.30E+04	
2.070	596.5	.696	9.81E+04	

INEL POST-CHF EXPERIMENT NO. 116

POINT SERIAL NO. 2116.040 (TIME= 268.50 SEC)

LOOP PRESSURE(PE-3) 16.01 MPA
 FCV TEMPERATURE(TE-FCV-1T) 613.9 K
 LHP INLET ENTHALPY 1.596E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.77 K
 MASS FLUX 17.76 KG/SEC-M**2
 INLET QUALITY .455
 INLET ENTHALPY 1.596E+06 J/KG
 QUENCH FRONT:
 ELEVATION .444 M
 VELOCITY .0025 M/SEC
 QUALITY .495
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	1.093	661.4	.620	.501

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	430.0	.456	9.51E+03	
.051	430.9	.459	9.53E+03	
.063	427.7	.459	9.39E+03	
.089	435.3	.461	9.70E+03	
.114	429.0	.463	9.58E+03	
.140	425.7	.464	9.32E+03	
.165	426.9	.466	9.34E+03	
.317	436.0	.476	1.09E+04	
.394	464.6	.485	2.34E+04	
.470	691.6	.500	3.25E+04	
.546	739.5	.513	2.08E+04	
.622	755.3	.524	1.92E+04	
.698	777.0	.533	1.84E+04	
.775	789.1	.543	1.81E+04	
.851	805.3	.552	1.77E+04	
.927	812.2	.561	1.73E+04	
1.003	800.1	.570	1.62E+04	
1.067	744.0	.576	1.33E+04	3.41E+02
1.156	782.8	.584	1.40E+04	3.55E+02
1.232	754.9	.592	1.35E+04	
1.257	758.0	.594	1.43E+04	
1.321	777.5	.600	1.41E+04	
1.384	825.6	.606	1.54E+04	
1.460	851.1	.615	1.57E+04	
1.511	852.5	.620	1.51E+04	
1.562	830.3	.625	1.57E+04	
1.613	846.6	.631	1.58E+04	
1.689	877.4	.639	1.56E+04	
1.765	893.6	.647	1.51E+04	
1.816	885.0	.652	1.42E+04	
1.867	857.2	.657	1.42E+04	
1.918	848.7	.661	1.37E+04	
1.994	856.0	.668	1.30E+04	
2.070	624.2	.698	1.02E+05	

INEL POST-CHF EXPERIMENT NO. 116

POINT SERIAL NO. 3116.040 (TIME= 268.50 SEC)

LOOP PRESSURE(PE-3) 16.01 MPA
 FCV TEMPERATURE(TE-FCV-1T) 613.9 K
 LHP INLET ENTHALPY 1.596E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.77 K
 MASS FLUX 17.76 KG/SEC-M**2
 INLET QUALITY .455
 INLET ENTHALPY 1.596E+06 J/KG
 QUENCH FRONT:
 ELEVATION .444 M
 VELOCITY .0025 M/SEC
 QUALITY .495
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.398	723.2	.652	.502

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	430.0	.456	9.51E+03	
.051	430.9	.459	9.53E+03	
.063	427.7	.459	9.39E+03	
.089	435.3	.461	9.70E+03	
.114	429.0	.463	9.58E+03	
.140	425.7	.464	9.32E+03	
.165	426.9	.466	9.34E+03	
.317	436.0	.476	1.09E+04	
.394	464.6	.485	2.34E+04	
.470	691.6	.500	3.25E+04	
.546	739.5	.513	2.08E+04	
.622	755.3	.524	1.92E+04	
.698	777.0	.533	1.84E+04	
.775	789.1	.543	1.81E+04	
.851	805.3	.552	1.77E+04	
.927	812.2	.561	1.73E+04	
1.003	800.1	.570	1.62E+04	
1.067	744.0	.576	1.33E+04	3.41E+02
1.156	782.8	.584	1.40E+04	3.55E+02
1.232	754.9	.592	1.35E+04	
1.257	758.0	.594	1.43E+04	
1.321	777.5	.600	1.41E+04	
1.384	825.6	.606	1.54E+04	
1.460	851.1	.615	1.57E+04	
1.511	852.5	.620	1.51E+04	
1.562	830.3	.625	1.57E+04	
1.613	846.6	.631	1.58E+04	
1.689	877.4	.639	1.56E+04	
1.765	893.6	.647	1.51E+04	
1.816	885.0	.652	1.42E+04	
1.867	857.2	.657	1.42E+04	
1.918	848.7	.661	1.37E+04	
1.994	856.0	.668	1.30E+04	
2.070	624.2	.698	1.02E+05	

INEL POST-CHF EXPERIMENT NO. 116

POINT SERIAL NO. 1116.050 (TIME= 296.50 SEC)

LOOP PRESSURE(PE-3) 16.15 MPA
 FCV TEMPERATURE(TE-FCV-1T) 613.3 K
 LHP INLET ENTHALPY 1.590E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.75 K
 MASS FLUX 17.93 KG/SEC-M**2
 INLET QUALITY .453
 INLET ENTHALPY 1.590E+06 J/KG
 QUENCH FRONT:
 ELEVATION .516 M
 VELOCITY .0029 M/SEC
 QUALITY .497
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.716	547.1	.581	.517

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	428.6	.453	9.39E+03	
.051	429.5	.456	9.47E+03	
.063	426.8	.457	9.35E+03	
.089	433.4	.458	9.50E+03	
.114	427.5	.460	9.48E+03	
.140	425.1	.461	9.27E+03	
.165	426.1	.463	9.27E+03	
.317	431.4	.473	1.00E+04	
.394	450.2	.479	1.16E+04	
.470	488.2	.488	2.35E+04	
.546	655.5	.503	3.45E+04	
.622	721.8	.517	2.00E+04	
.698	747.6	.527	1.82E+04	
.775	761.5	.536	1.76E+04	
.851	779.4	.545	1.71E+04	
.927	787.7	.553	1.67E+04	
1.003	778.5	.562	1.59E+04	
1.067	729.3	.568	1.33E+04	
1.156	765.5	.576	1.40E+04	
1.232	738.9	.583	1.36E+04	
1.257	741.4	.586	1.43E+04	
1.321	762.6	.592	1.38E+04	
1.384	806.8	.598	1.51E+04	
1.460	831.7	.606	1.54E+04	
1.511	832.9	.611	1.49E+04	
1.562	810.4	.616	1.54E+04	
1.613	826.7	.621	1.55E+04	
1.689	858.5	.629	1.53E+04	
1.765	875.9	.637	1.51E+04	
1.816	868.2	.642	1.41E+04	
1.867	841.8	.647	1.42E+04	
1.918	834.8	.652	1.39E+04	
1.994	792.2	.670	5.85E+04	
2.070	515.0	.691	2.27E+04	

INEL POST-CHF EXPERIMENT NO. 116

POINT SERIAL NO. 2116.050 (TIME= 297.50 SEC)

LOOP PRESSURE(PE-3) 16.17 MPA
 FCV TEMPERATURE(TE-FCV-1T) 613.3 K
 LHP INLET ENTHALPY 1.590E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.73 K
 MASS FLUX 17.92 KG/SEC-M**2
 INLET QUALITY .453
 INLET ENTHALPY 1.590E+06 J/KG
 QUENCH FRONT:
 ELEVATION .518 M
 VELOCITY .0029 M/SEC
 QUALITY .497
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.537 1.018 639.3 .611 .502

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013	428.6	.453	9.41E+03	
.051	429.5	.456	9.42E+03	
.063	426.7	.457	9.36E+03	
.089	433.4	.458	9.54E+03	
.114	427.4	.460	9.47E+03	
.140	425.1	.462	9.28E+03	
.165	426.1	.463	9.28E+03	
.317	431.3	.473	9.99E+03	
.394	449.9	.479	1.16E+04	
.470	483.8	.488	2.30E+04	
.546	649.5	.503	3.50E+04	
.622	720.5	.517	2.01E+04	
.698	746.5	.527	1.82E+04	
.775	760.6	.536	1.76E+04	
.851	778.5	.545	1.71E+04	
.927	786.9	.553	1.67E+04	
1.003	777.7	.562	1.59E+04	
1.067	728.8	.568	1.32E+04	4.04E+02
1.156	764.9	.576	1.40E+04	3.20E+02
1.232	738.3	.583	1.36E+04	
1.257	740.8	.586	1.43E+04	
1.321	762.1	.592	1.38E+04	
1.384	806.1	.598	1.51E+04	
1.460	831.0	.606	1.54E+04	
1.511	832.3	.611	1.49E+04	
1.562	809.7	.616	1.54E+04	
1.613	826.1	.621	1.55E+04	
1.689	857.9	.629	1.53E+04	
1.765	875.3	.637	1.50E+04	
1.816	867.7	.642	1.41E+04	
1.867	841.3	.647	1.42E+04	
1.918	834.3	.651	1.39E+04	
1.994	786.2	.670	5.98E+04	
2.070	513.2	.691	2.19E+04	

INEL POST-CHF EXPERIMENT NO. 116

POINT SERIAL NO. 3116.050 (TIME= 297.50 SEC)

LOOP PRESSURE(PE-3) 16.17 MPA
 FCV TEMPERATURE(TE-FCV-1T) 613.3 K
 LHP INLET ENTHALPY 1.590E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.73 K
 MASS FLUX 17.92 KG/SEC-M**2
 INLET QUALITY .453
 INLET ENTHALPY 1.590E+06 J/KG
 QUENCH FRONT:
 ELEVATION .518 M
 VELOCITY .0029 M/SEC
 QUALITY .497
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.841 1.323 715.7 .642 .497

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013	428.6	.453	9.41E+03	
.051	429.5	.456	9.42E+03	
.063	426.7	.457	9.36E+03	
.089	433.4	.458	9.54E+03	
.114	427.4	.460	9.47E+03	
.140	425.1	.462	9.28E+03	
.165	426.1	.463	9.28E+03	
.317	431.3	.473	9.99E+03	
.394	449.9	.479	1.16E+04	
.470	483.8	.488	2.30E+04	
.546	649.5	.503	3.50E+04	
.622	720.5	.517	2.01E+04	
.698	746.5	.527	1.82E+04	
.775	760.6	.536	1.76E+04	
.851	778.5	.545	1.71E+04	
.927	786.9	.553	1.67E+04	
1.003	777.7	.562	1.59E+04	
1.067	728.8	.568	1.32E+04	4.04E+02
1.156	764.9	.576	1.40E+04	3.20E+02
1.232	738.3	.583	1.36E+04	
1.257	740.8	.586	1.43E+04	
1.321	762.1	.592	1.38E+04	
1.384	806.1	.598	1.51E+04	
1.460	831.0	.606	1.54E+04	
1.511	832.3	.611	1.49E+04	
1.562	809.7	.616	1.54E+04	
1.613	826.1	.621	1.55E+04	
1.689	857.9	.629	1.53E+04	
1.765	875.3	.637	1.50E+04	
1.816	867.7	.642	1.41E+04	
1.867	841.3	.647	1.42E+04	
1.918	834.3	.651	1.39E+04	
1.994	786.2	.670	5.98E+04	
2.070	513.2	.691	2.19E+04	

INEL POST-CHF EXPERIMENT NO. 116

POINT SERIAL NO. 2116.060 (TIME= 311.50 SEC)

LOOP PRESSURE(PE-3) 15.98 MPA
 FCV TEMPERATURE(TE-FCV-1T) 613.3 K
 LHP INLET ENTHALPY 1.592E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.86 K
 MASS FLUX 17.61 KG/SEC-M**2
 INLET QUALITY .453
 INLET ENTHALPY 1.592E+06 J/KG
 QUENCH FRONT:
 ELEVATION .559 M
 VELOCITY .0029 M/SEC
 QUALITY .502
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.537	.978	621.1	.615	.513

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	428.1	.454	9.32E+03	
.051	429.0	.456	9.38E+03	
.063	426.3	.457	9.37E+03	
.089	432.7	.459	9.46E+03	
.114	426.8	.461	9.47E+03	
.140	424.8	.462	9.27E+03	
.165	425.8	.464	9.28E+03	
.317	429.8	.474	9.81E+03	
.394	445.8	.479	1.10E+04	
.470	458.5	.486	1.58E+04	
.546	527.6	.499	3.42E+04	
.622	697.0	.515	2.85E+04	
.698	731.7	.528	1.83E+04	
.775	747.2	.537	1.74E+04	
.851	766.0	.546	1.69E+04	
.927	775.1	.555	1.65E+04	
1.003	767.2	.563	1.57E+04	
1.067	721.5	.569	1.31E+04	4.93E+02
1.156	756.5	.577	1.37E+04	3.68E+02
1.232	730.1	.585	1.37E+04	
1.257	732.7	.587	1.42E+04	
1.321	754.9	.593	1.37E+04	
1.384	797.0	.599	1.50E+04	
1.460	821.6	.607	1.51E+04	
1.511	822.8	.612	1.46E+04	
1.562	800.3	.618	1.52E+04	
1.613	816.6	.623	1.53E+04	
1.689	848.8	.631	1.51E+04	
1.765	866.9	.639	1.48E+04	
1.816	859.6	.644	1.39E+04	
1.867	833.8	.648	1.41E+04	
1.918	822.1	.659	4.55E+04	
1.994	691.5	.688	6.69E+04	
2.070	494.9	.710	1.72E+04	

INEL POST-CHF EXPERIMENT NO. 116

POINT SERIAL NO. 3116.060 (TIME= 310.50 SEC)

LOOP PRESSURE(PE-3) 15.98 MPA
 FCV TEMPERATURE(TE-FCV-1T) 613.3 K
 LHP INLET ENTHALPY 1.592E+06 J/KG
 TEST SECTION:
 PRESSURE .49 MPA
 SAT TEMP 423.89 K
 MASS FLUX 17.59 KG/SEC-M**2
 INLET QUALITY .453
 INLET ENTHALPY 1.592E+06 J/KG
 QUENCH FRONT:
 ELEVATION .556 M
 VELOCITY .0029 M/SEC
 QUALITY .501
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.841	1.286	706.6	.646	.504

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	428.2	.454	9.33E+03	
.051	429.0	.456	9.39E+03	
.063	426.3	.457	9.37E+03	
.089	432.7	.459	9.50E+03	
.114	426.8	.460	9.44E+03	
.140	424.8	.462	9.27E+03	
.165	425.8	.464	9.28E+03	
.317	429.9	.473	9.82E+03	
.394	446.1	.479	1.11E+04	
.470	459.3	.486	1.63E+04	
.546	542.0	.499	3.42E+04	
.622	699.9	.515	2.78E+04	
.698	732.8	.527	1.83E+04	
.775	748.1	.537	1.74E+04	
.851	766.9	.546	1.69E+04	
.927	775.9	.554	1.65E+04	
1.003	768.0	.563	1.57E+04	
1.067	722.0	.569	1.31E+04	4.85E+02
1.156	757.1	.577	1.38E+04	3.69E+02
1.232	730.7	.585	1.37E+04	
1.257	733.3	.587	1.42E+04	
1.321	755.4	.593	1.37E+04	
1.384	797.7	.599	1.50E+04	
1.460	822.3	.607	1.52E+04	
1.511	823.5	.612	1.46E+04	
1.562	800.9	.618	1.52E+04	
1.613	817.3	.623	1.53E+04	
1.689	849.5	.631	1.51E+04	
1.765	867.5	.639	1.48E+04	
1.816	860.2	.644	1.39E+04	
1.867	834.4	.648	1.40E+04	
1.918	825.2	.656	2.99E+04	
1.994	703.9	.681	6.67E+04	
2.070	496.0	.703	1.74E+04	

H-240

INEL POST-CHF EXPERIMENT NO. 116

POINT SERIAL NO. 2116.070 (TIME= 331.50 SEC)

LOOP PRESSURE(PE-3) 16.15 MPA
 FCV TEMPERATURE(TE-FCV-1T) 613.8 K
 LHP INLET ENTHALPY 1.595E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.80 K
 MASS FLUX 17.84 KG/SEC-M**2
 INLET QUALITY .455
 INLET ENTHALPY 1.595E+06 J/KG
 QUENCH FRONT:
 ELEVATION .619 M
 VELOCITY .0031 M/SEC
 QUALITY .508
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.918	606.3	.613	.518

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	427.6	.455	9.35E+03	
.051	428.4	.458	9.28E+03	
.063	425.8	.459	9.26E+03	
.089	431.9	.460	9.36E+03	
.114	426.1	.462	9.36E+03	
.140	424.5	.463	9.23E+03	
.165	425.5	.465	9.25E+03	
.317	428.3	.475	9.57E+03	
.394	441.6	.480	1.05E+04	
.470	448.2	.486	1.15E+04	
.546	466.0	.494	2.08E+04	
.622	595.0	.509	3.65E+04	
.698	709.5	.525	2.71E+04	
.775	728.3	.537	1.75E+04	
.851	748.6	.545	1.67E+04	
.927	758.9	.554	1.62E+04	
1.003	752.7	.562	1.55E+04	
1.067	711.1	.568	1.31E+04	5.08E+02
1.156	744.8	.576	1.37E+04	2.23E+02
1.232	718.0	.583	1.39E+04	
1.257	720.9	.586	1.44E+04	
1.321	744.5	.592	1.38E+04	
1.384	784.3	.598	1.49E+04	
1.460	808.5	.606	1.52E+04	
1.511	809.7	.611	1.46E+04	
1.562	787.1	.616	1.51E+04	
1.613	803.4	.621	1.52E+04	
1.689	836.1	.629	1.51E+04	
1.765	855.0	.637	1.47E+04	
1.816	848.2	.642	1.39E+04	
1.867	821.7	.648	2.49E+04	
1.918	681.5	.667	8.18E+04	
1.994	568.3	.699	4.56E+04	
2.070	477.6	.715	1.44E+04	

INEL POST-CHF EXPERIMENT NO. 116

POINT SERIAL NO. 3116.070 (TIME= 331.50 SEC)

LOOP PRESSURE(PE-3) 16.15 MPA
 FCV TEMPERATURE(TE-FCV-1T) 613.8 K
 LHP INLET ENTHALPY 1.595E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.80 K
 MASS FLUX 17.84 KG/SEC-M**2
 INLET QUALITY .455
 INLET ENTHALPY 1.595E+06 J/KG
 QUENCH FRONT:
 ELEVATION .619 M
 VELOCITY .0031 M/SEC
 QUALITY .508
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.222	694.9	.644	.507

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	427.6	.455	9.35E+03	
.051	428.4	.458	9.28E+03	
.063	425.8	.459	9.26E+03	
.089	431.9	.460	9.36E+03	
.114	426.1	.462	9.36E+03	
.140	424.5	.463	9.23E+03	
.165	425.5	.465	9.25E+03	
.317	428.3	.475	9.57E+03	
.394	441.6	.480	1.05E+04	
.470	448.2	.486	1.15E+04	
.546	466.0	.494	2.08E+04	
.622	595.0	.509	3.65E+04	
.698	709.5	.525	2.71E+04	
.775	728.3	.537	1.75E+04	
.851	748.6	.545	1.67E+04	
.927	758.9	.554	1.62E+04	
1.003	752.7	.562	1.55E+04	
1.067	711.1	.568	1.31E+04	5.08E+02
1.156	744.8	.576	1.37E+04	2.23E+02
1.232	718.0	.583	1.39E+04	
1.257	720.9	.586	1.44E+04	
1.321	744.5	.592	1.38E+04	
1.384	784.3	.598	1.49E+04	
1.460	808.5	.606	1.52E+04	
1.511	809.7	.611	1.46E+04	
1.562	787.1	.616	1.51E+04	
1.613	803.4	.621	1.52E+04	
1.689	836.1	.629	1.51E+04	
1.765	855.0	.637	1.47E+04	
1.816	848.2	.642	1.39E+04	
1.867	821.7	.648	2.49E+04	
1.918	681.5	.667	8.18E+04	
1.994	568.3	.699	4.56E+04	
2.070	477.6	.715	1.44E+04	

INEL POST-CHF EXPERIMENT NO. 116

POINT SERIAL NO. 2116.080 (TIME= 352.50 SEC)

LOOP PRESSURE(PE-3) 16.94 MPA
 FCV TEMPERATURE(TE-FCV-11) 613.4 K
 LHP INLET ENTHALPY 1.592E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.79 K
 MASS FLUX 17.64 KG/SEC-M**2
 INLET QUALITY .453
 INLET ENTHALPY 1.592E+06 J/KG
 QUENCH FRONT:
 ELEVATION .685 M
 VELOCITY .0031 M/SEC
 QUALITY .514
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.852	595.0	.615	.525

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	427.1	.454	9.38E+03	
.051	427.9	.456	9.34E+03	
.063	425.5	.457	9.26E+03	
.089	431.2	.459	9.43E+03	
.114	425.6	.460	9.39E+03	
.140	424.3	.462	9.25E+03	
.165	425.3	.464	9.24E+03	
.317	427.2	.473	9.50E+03	
.394	438.2	.479	1.02E+04	
.470	443.4	.484	1.02E+04	
.546	450.1	.490	1.23E+04	
.622	458.6	.499	2.38E+04	
.698	673.8	.517	4.67E+04	
.775	706.7	.535	2.22E+04	
.851	730.2	.546	1.70E+04	
.927	742.1	.554	1.62E+04	
1.003	737.4	.563	1.56E+04	
1.067	700.2	.569	1.32E+04	
1.156	732.8	.577	1.40E+04	3.65E+02
1.232	704.8	.584	1.39E+04	5.80E+01
1.257	707.8	.587	1.47E+04	
1.321	733.2	.593	1.41E+04	
1.384	770.9	.599	1.49E+04	
1.460	794.8	.607	1.52E+04	
1.511	796.0	.612	1.46E+04	
1.562	773.5	.618	1.51E+04	
1.613	789.8	.623	1.51E+04	
1.689	822.9	.631	1.51E+04	
1.765	842.5	.639	1.49E+04	
1.816	835.7	.644	1.51E+04	
1.867	723.0	.659	7.12E+04	
1.918	472.7	.680	4.96E+04	
1.994	522.1	.698	1.92E+04	
2.070	465.2	.706	1.27E+04	

INEL POST-CHF EXPERIMENT NO. 116

POINT SERIAL NO. 3116.080 (TIME= 353.50 SEC)

LOOP PRESSURE(PE-3) 16.03 MPA
 FCV TEMPERATURE(TE-FCV-11) 613.2 K
 LHP INLET ENTHALPY 1.590E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.81 K
 MASS FLUX 17.61 KG/SEC-M**2
 INLET QUALITY .453
 INLET ENTHALPY 1.590E+06 J/KG
 QUENCH FRONT:
 ELEVATION .688 M
 VELOCITY .0031 M/SEC
 QUALITY .515
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.154	679.3	.648	.516

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	427.0	.453	9.40E+03	
.051	428.0	.456	9.34E+03	
.063	425.5	.457	9.30E+03	
.089	431.2	.458	9.44E+03	
.114	425.6	.460	9.32E+03	
.140	424.3	.461	9.23E+03	
.165	425.3	.463	9.23E+03	
.317	427.1	.473	9.53E+03	
.394	438.0	.478	1.03E+04	
.470	443.0	.483	1.01E+04	
.546	449.2	.489	1.20E+04	
.622	444.6	.497	1.82E+04	
.698	678.9	.518	6.16E+04	
.775	706.2	.539	1.86E+04	
.851	729.5	.548	1.69E+04	
.927	741.4	.557	1.63E+04	
1.003	736.7	.565	1.57E+04	
1.067	699.7	.571	1.32E+04	
1.156	732.3	.580	1.36E+04	4.37E+02
1.232	704.0	.587	1.40E+04	3.79E+02
1.257	707.1	.589	1.46E+04	
1.321	732.7	.595	1.41E+04	
1.384	770.2	.602	1.49E+04	
1.460	794.1	.610	1.51E+04	
1.511	795.2	.615	1.45E+04	
1.562	772.8	.620	1.48E+04	
1.613	789.0	.625	1.49E+04	
1.689	822.1	.633	1.49E+04	
1.765	841.9	.641	1.48E+04	
1.816	835.6	.646	1.41E+04	
1.867	702.4	.668	1.14E+05	
1.918	458.8	.691	1.74E+04	
1.994	519.5	.700	1.87E+04	
2.070	464.3	.709	1.28E+04	

INEL POST-CHF EXPERIMENT NO. 116

POINT SERIAL NO. 2116.090 (TIME= 370.50 SEC)

LOOP PRESSURE(PE-3) 16.10 MPA
 FCV TEMPERATURE(TE-FCV-1T) 613.3 K
 LHP INLET ENTHALPY 1.591E+06 J/KG
 TEST SECTION:
 PRESSURE .48 MPA
 SAT TEMP 423.80 K
 MASS FLUX 17.76 KG/SEC-M**2
 INLET QUALITY .453
 INLET ENTHALPY 1.591E+06 J/KG
 QUENCH FRONT:
 ELEVATION .740 M
 VELOCITY .0029 M/SEC
 QUALITY .520
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.537 .796 579.6 .613 .530

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013	426.7	.454	9.38E+03	
.051	427.7	.456	9.38E+03	
.063	425.3	.457	9.34E+03	
.089	430.7	.459	9.48E+03	
.114	425.3	.460	9.36E+03	
.140	424.1	.462	9.32E+03	
.165	425.1	.463	9.32E+03	
.317	426.5	.473	9.52E+03	
.394	435.7	.478	1.02E+04	
.470	441.1	.484	1.01E+04	
.546	444.0	.489	1.13E+04	
.622	436.3	.495	1.21E+04	
.698	520.8	.509	3.99E+04	
.775	656.6	.529	3.90E+04	
.851	712.8	.544	1.81E+04	
.927	727.4	.553	1.64E+04	
1.003	724.2	.561	1.56E+04	
1.067	690.8	.568	1.33E+04	3.40E+02
1.156	722.4	.576	1.38E+04	2.21E+02
1.232	693.8	.583	1.38E+04	
1.257	696.3	.585	1.46E+04	
1.321	723.2	.592	1.41E+04	
1.384	759.6	.598	1.48E+04	
1.460	783.1	.606	1.50E+04	
1.511	784.1	.611	1.45E+04	
1.562	762.2	.616	1.45E+04	
1.613	778.5	.621	1.46E+04	
1.689	811.5	.628	1.48E+04	
1.765	831.6	.636	1.48E+04	
1.816	818.4	.642	1.94E+04	
1.867	548.5	.658	7.27E+04	
1.918	448.3	.673	1.28E+04	
1.994	502.3	.680	1.63E+04	
2.070	457.6	.687	1.20E+04	

INEL POST-CHF EXPERIMENT NO. 118

POINT SERIAL NO. 1118.050 (TIME= 450.50 SEC)

LOOP PRESSURE(PE-3) 16.14 MPA
 FCV TEMPERATURE(TE-FCV-1T) 603.5 K
 LHP INLET ENTHALPY 1.520E+06 J/KG
 TEST SECTION:
 PRESSURE .79 MPA
 SAT TEMP 443.08 K
 MASS FLUX 17.70 KG/SEC-M**2
 INLET QUALITY .391
 INLET ENTHALPY 1.520E+06 J/KG
 QUENCH FRONT:
 ELEVATION .619 M
 VELOCITY .0019 M/SEC
 QUALITY .499
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.232 .613 634.0 .620 .515

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013	440.0	.393	2.13E+04	
.051	447.7	.399	2.13E+04	
.063	445.9	.401	2.13E+04	
.089	450.5	.404	2.14E+04	
.114	446.1	.408	2.13E+04	
.140	446.2	.412	2.12E+04	
.165	446.3	.416	2.12E+04	
.317	447.9	.439	2.15E+04	
.394	454.6	.450	2.18E+04	
.470	460.4	.462	2.25E+04	
.546	475.8	.476	2.67E+04	
.622	676.6	.500	6.56E+04	
.698	785.6	.526	2.90E+04	
.775	814.0	.541	2.83E+04	
.851	840.1	.556	2.76E+04	
.927	860.7	.571	2.71E+04	
1.003	871.2	.585	2.70E+04	
1.067	814.5	.596	2.25E+04	2.11E+03
1.156	870.6	.611	2.42E+04	8.21E+02
1.232	842.2	.624	2.36E+04	
1.257	855.3	.628	2.54E+04	
1.321	869.0	.639	2.46E+04	
1.384	925.2	.650	2.49E+04	
1.460	954.2	.663	2.49E+04	
1.511	955.2	.672	2.35E+04	
1.562	940.3	.681	2.47E+04	
1.613	959.4	.690	2.47E+04	
1.689	990.3	.703	2.44E+04	
1.765	1001.3	.727	6.49E+04	
1.816	607.2	.761	1.29E+05	
1.867	504.2	.790	3.20E+04	
1.918	468.0	.800	2.32E+04	
1.994	500.9	.813	2.50E+04	
2.070	468.3	.826	2.26E+04	

INEL POST-CHF EXPERIMENT NO. 118

POINT SERIAL NO. 2118.050 (TIME= 450.50 SEC)
 LOOP PRESSURE(PE-3) 16.14 MPA
 FCV TEMPERATURE(TE-FCV-11) 603.5 K
 LHP INLET ENTHALPY 1.520E+06 J/KG
 TEST SECTION:
 PRESSURE .79 MPA
 SAT TEMP 443.08 K
 MASS FLUX 17.70 KG/SEC-M**2
 INLET QUALITY .391
 INLET ENTHALPY 1.520E+06 J/KG
 QUENCH FRONT:
 ELEVATION .619 M
 VELOCITY .0019 M/SEC
 QUALITY .499
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION (M) TV (K) XE XA
 1.537 .918 720.1 .672 .520

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION (M) TEMP (K) HEAT FLUX W/M**2 HEAT LOSS W/M**2
 .013 440.0 .393 2.13E+04
 .051 447.7 .399 2.13E+04
 .063 445.9 .401 2.13E+04
 .089 450.5 .404 2.14E+04
 .114 446.1 .408 2.13E+04
 .140 446.2 .412 2.12E+04
 .165 446.3 .416 2.12E+04
 .317 447.9 .439 2.15E+04
 .394 454.6 .450 2.18E+04
 .470 460.4 .462 2.25E+04
 .546 475.8 .476 2.67E+04
 .622 476.6 .500 6.56E+04
 .698 785.6 .526 2.90E+04
 .775 814.0 .541 2.83E+04
 .851 840.1 .556 2.76E+04
 .927 860.7 .571 2.71E+04
 1.003 871.2 .585 2.70E+04
 1.067 874.5 .596 2.25E+04
 1.156 870.6 .611 2.42E+04
 1.232 882.2 .624 2.36E+04
 1.257 855.3 .628 2.54E+04
 1.321 869.0 .639 2.46E+04
 1.384 925.2 .650 2.49E+04
 1.460 954.2 .663 2.49E+04
 1.511 955.2 .672 2.35E+04
 1.562 940.3 .681 2.47E+04
 1.613 959.4 .690 2.44E+04
 1.689 990.3 .703 2.44E+04
 1001.3 .727 6.49E+04
 1.816 607.2 .761 3.20E+04
 1.867 504.2 .790 2.32E+04
 1.918 468.0 .800 2.50E+04
 1.994 500.9 .813 2.26E+04
 2.070 468.3 .826 2.26E+04

2.11E+03
 8.21E+02

INEL POST-CHF EXPERIMENT NO. 118

POINT SERIAL NO. 1118.061 (TIME= 494.50 SEC)
 LOOP PRESSURE(PE-3) 16.06 MPA
 FCV TEMPERATURE(TE-FCV-11) 603.7 K
 LHP INLET ENTHALPY 1.521E+06 J/KG
 TEST SECTION:
 PRESSURE .79 MPA
 SAT TEMP 443.09 K
 MASS FLUX 17.57 KG/SEC-M**2
 INLET QUALITY .392
 INLET ENTHALPY 1.521E+06 J/KG
 QUENCH FRONT:
 ELEVATION .698 M
 VELOCITY .0017 M/SEC
 QUALITY .507
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION (M) TV (K) XE XA
 1.232 .534 590.0 .609 .525

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION (M) TEMP (K) HEAT FLUX W/M**2 HEAT LOSS W/M**2
 .013 439.9 .394 2.12E+04
 .051 447.4 .399 2.13E+04
 .063 445.6 .401 2.13E+04
 .089 449.8 .405 2.15E+04
 .114 445.7 .409 2.13E+04
 .140 446.0 .413 2.13E+04
 .317 446.1 .417 2.13E+04
 .394 452.0 .451 2.17E+04
 .470 455.4 .463 2.18E+04
 .546 461.4 .475 2.27E+04
 .622 457.5 .488 2.36E+04
 .698 652.7 .507 4.86E+04
 .775 780.7 .528 2.89E+04
 .851 812.0 .543 2.73E+04
 .927 833.7 .558 2.72E+04
 1.003 845.8 .573 2.67E+04
 1.067 797.2 .584 2.28E+04
 1.156 852.9 .599 2.46E+04
 1.232 824.6 .612 2.46E+04
 1.257 837.0 .616 2.60E+04
 1.321 855.0 .628 2.46E+04
 1.384 909.4 .639 2.55E+04
 1.460 938.6 .653 2.55E+04
 1.511 940.2 .662 2.38E+04
 1.562 925.8 .671 2.52E+04
 1.613 944.9 .680 2.52E+04
 1.689 976.6 .693 2.54E+04
 1.765 502.0 .713 4.86E+04
 1.816 456.8 .726 2.19E+04
 1.867 473.8 .734 2.37E+04
 1.918 460.3 .742 2.22E+04
 1.994 484.0 .755 2.36E+04
 2.070 461.8 .767 2.23E+04

2.06E+03
 6.65E+02

INEL POST-CHF EXPERIMENT NO. 118

POINT SERIAL NO. 2118.060 (TIME= 494.50 SEC)

LOOP PRESSURE{PE-3} 16.06 MPA
 FCV TEMPERATURE{TE-FCV-1T} 603.7 K
 LHP INLET ENTHALPY 1.521E+06 J/KG
 TEST SECTION:
 PRESSURE .79 MPA
 SAT TEMP 443.09 K
 MASS FLUX 17.57 KG/SEC-M**2
 INLET QUALITY .392
 INLET ENTHALPY 1.521E+06 J/KG
 QUENCH FRONT:
 ELEVATION .698 M
 VELOCITY .0017 M/SEC
 QUALITY .507
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.839	697.5	.662	.521

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	439.9	.394	2.12E+04	
.051	447.4	.399	2.13E+04	
.063	445.6	.401	2.13E+04	
.089	449.8	.405	2.15E+04	
.114	445.7	.409	2.13E+04	
.140	446.0	.413	2.13E+04	
.165	446.1	.417	2.13E+04	
.317	447.1	.440	2.14E+04	
.394	452.0	.451	2.17E+04	
.470	455.4	.463	2.18E+04	
.546	461.4	.475	2.27E+04	
.622	457.5	.488	2.36E+04	
.698	652.7	.507	4.86E+04	
.775	780.7	.528	2.89E+04	
.851	812.0	.543	2.73E+04	
.927	833.7	.558	2.72E+04	
1.003	845.8	.573	2.67E+04	
1.067	797.2	.584	2.28E+04	2.06E+03
1.156	852.9	.599	2.46E+04	6.65E+02
1.232	824.6	.612	2.46E+04	
1.257	837.0	.616	2.60E+04	
1.321	855.0	.628	2.46E+04	
1.384	909.4	.639	2.55E+04	
1.460	938.6	.653	2.55E+04	
1.511	940.2	.662	2.38E+04	
1.562	925.8	.671	2.52E+04	
1.613	944.9	.680	2.52E+04	
1.689	976.6	.693	2.54E+04	
1.765	502.0	.713	4.86E+04	
1.816	456.8	.726	2.19E+04	
1.867	473.8	.734	2.37E+04	
1.918	460.3	.742	2.22E+04	
1.994	484.0	.755	2.36E+04	
2.070	461.8	.767	2.23E+04	

INEL POST-CHF EXPERIMENT NO. 118

POINT SERIAL NO. 2118.070 (TIME= 540.50 SEC)

LOOP PRESSURE{PE-3} 16.06 MPA
 FCV TEMPERATURE{TE-FCV-1T} 603.7 K
 LHP INLET ENTHALPY 1.521E+06 J/KG
 TEST SECTION:
 PRESSURE .79 MPA
 SAT TEMP 443.12 K
 MASS FLUX 17.62 KG/SEC-M**2
 INLET QUALITY .391
 INLET ENTHALPY 1.521E+06 J/KG
 QUENCH FRONT:
 ELEVATION .775 M
 VELOCITY .0017 M/SEC
 QUALITY .522
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.762	666.9	.666	.538

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	440.8	.393	2.13E+04	
.051	447.1	.399	2.13E+04	
.063	445.5	.401	2.13E+04	
.089	449.3	.405	2.14E+04	
.114	445.6	.409	2.13E+04	
.140	445.9	.413	2.13E+04	
.165	445.9	.416	2.14E+04	
.317	446.4	.440	2.14E+04	
.394	450.4	.451	2.16E+04	
.470	453.1	.463	2.16E+04	
.546	455.4	.475	2.20E+04	
.622	450.3	.487	2.19E+04	
.698	472.2	.499	2.47E+04	
.775	665.1	.522	5.92E+04	
.851	781.9	.546	2.91E+04	
.927	867.3	.561	2.72E+04	
1.003	822.2	.575	2.71E+04	
1.067	779.9	.587	2.34E+04	1.71E+03
1.156	833.8	.602	2.54E+04	4.29E+02
1.232	803.1	.616	2.46E+04	
1.257	816.3	.620	2.65E+04	
1.321	841.0	.632	2.51E+04	
1.384	891.9	.643	2.55E+04	
1.460	921.0	.657	2.56E+04	
1.511	923.3	.666	2.42E+04	
1.562	909.5	.675	2.57E+04	
1.613	929.2	.684	2.55E+04	
1.689	596.8	.722	1.16E+05	
1.765	464.8	.759	2.35E+04	
1.816	449.4	.767	2.08E+04	
1.867	464.4	.775	2.24E+04	
1.918	456.4	.783	2.17E+04	
1.994	472.6	.795	2.27E+04	
2.070	456.9	.807	2.19E+04	

H-245

INEL POST-CHF EXPERIMENT NO. 118

POINT SERIAL NO. 2118.080 (TIME= 584.50 SEC)

LOOP PRESSURE{PE-3} 16.12 MPA
 FCV TEMPERATURE{TE-FCV-11} 603.7 K
 LHP INLET ENTHALPY 1.520E+06 J/KG
 TEST SECTION:
 PRESSURE .79 MPA
 SAT TEMP 443.09 K
 MASS FLUX 17.39 KG/SEC-M**2
 INLET QUALITY .391
 INLET ENTHALPY 1.520E+06 J/KG
 QUENCH FRONT:
 ELEVATION .847 M
 VELOCITY .0016 M/SEC
 QUALITY .530
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.690	644.2	.659	.543

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	440.4	.393	2.11E+04	
.051	446.8	.399	2.14E+04	
.063	445.3	.401	2.14E+04	
.089	448.8	.405	2.14E+04	
.114	445.3	.409	2.14E+04	
.140	445.7	.413	2.14E+04	
.165	445.6	.417	2.13E+04	
.317	445.8	.440	2.14E+04	
.394	448.9	.451	2.15E+04	
.470	451.6	.463	2.16E+04	
.546	452.2	.475	2.17E+04	
.622	447.7	.487	2.17E+04	
.698	460.6	.499	2.25E+04	
.775	465.2	.512	2.43E+04	
.851	657.0	.531	4.80E+04	
.927	779.2	.552	2.81E+04	
1.003	797.8	.567	2.66E+04	
1.067	761.5	.578	2.35E+04	1.36E+03
1.156	813.2	.594	2.55E+04	2.19E+02
1.232	781.2	.608	2.47E+04	
1.257	794.0	.612	2.64E+04	
1.321	825.1	.624	2.52E+04	
1.384	873.8	.636	2.60E+04	
1.460	903.0	.650	2.62E+04	
1.511	905.4	.659	2.50E+04	
1.562	813.8	.683	1.06E+05	
1.613	585.5	.723	1.14E+05	
1.689	467.0	.761	2.70E+04	
1.765	452.3	.775	2.31E+04	
1.816	446.1	.783	2.06E+04	
1.867	459.9	.791	2.20E+04	
1.918	453.5	.799	2.18E+04	
1.994	465.1	.811	2.23E+04	
2.070	454.5	.823	2.16E+04	

INEL POST-CHF EXPERIMENT NO. 119

POINT SERIAL NO. 1119.010 (TIME= 174.50 SEC)

LOOP PRESSURE{PE-3} 16.09 MPA
 FCV TEMPERATURE{TE-FCV-11} 610.0 K
 LHP INLET ENTHALPY 1.564E+06 J/KG
 TEST SECTION:
 PRESSURE 3.59 MPA
 SAT TEMP 517.09 K
 MASS FLUX 19.94 KG/SEC-M**2
 INLET QUALITY .291
 INLET ENTHALPY 1.564E+06 J/KG
 QUENCH FRONT:
 ELEVATION .330 M
 VELOCITY .0077 M/SEC
 QUALITY .385
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.902	809.5	.765	.546

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	546.4	.293	2.32E+04	
.051	568.5	.301	3.19E+04	
.063	545.1	.303	2.41E+04	
.089	562.9	.308	2.81E+04	
.114	551.1	.313	2.79E+04	
.140	538.4	.319	2.86E+04	
.165	537.6	.324	2.62E+04	
.317	694.9	.377	7.02E+04	
.394	742.4	.421	8.39E+04	
.470	808.5	.469	8.77E+04	
.546	861.6	.513	7.31E+04	
.622	874.9	.554	7.06E+04	
.698	912.6	.592	6.50E+04	
.775	931.0	.627	6.33E+04	
.851	954.1	.660	5.47E+04	
.927	966.8	.689	4.74E+04	
1.003	943.5	.713	3.85E+04	
1.067	863.1	.729	2.94E+04	
1.156	937.4	.748	2.94E+04	
1.232	917.1	.765	3.09E+04	
1.257	922.8	.771	3.13E+04	
1.321	947.3	.785	3.02E+04	
1.384	1002.5	.800	3.31E+04	
1.461	1016.9	.817	2.89E+04	
1.511	1016.6	.827	2.58E+04	
1.562	1004.4	.837	2.73E+04	
1.613	1010.9	.847	2.54E+04	
1.689	1016.7	.860	2.14E+04	
1.765	1013.1	.871	1.74E+04	
1.816	1000.7	.877	1.36E+04	
1.867	974.7	.882	1.40E+04	
1.918	955.2	.887	1.21E+04	
1.994	922.1	.893	9.42E+03	
2.070	906.4	.897	6.05E+03	

INEL POST-CHF EXPERIMENT NO. 119

POINT SERIAL NO. 1119.021 (TIME= 178.50 SEC)
 {INFERRED VAPOR TEMP)
 LOOP PRESSURE (PE-3) 16.10 MPA
 FCV TEMPERATURE (TE-FCV-1T) 609.9 K
 LHP INLET ENTHALPY 1.564E+06 J/KG
 TEST SECTION:
 PRESSURE 3.59 MPA
 SAT TEMP 517.10 K
 MASS FLUX 19.85 KG/SEC-M**2
 INLET QUALITY .290
 INLET ENTHALPY 1.564E+06 J/KG
 QUENCH FRONT:
 ELEVATION .363 M
 VELOCITY .0104 M/SEC
 QUALITY .396
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

{INFERRED VAPOR TEMP)
 ELEVATION DZQF TV XE XA
 (M) (M) (K)
 1.232 .869 795.0 .758 .542

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	545.4	.293	2.30E+04	
.051	566.0	.300	3.09E+04	
.063	544.1	.303	2.37E+04	
.089	561.3	.307	2.74E+04	
.114	549.6	.313	2.71E+04	
.140	537.2	.318	2.75E+04	
.165	536.6	.323	2.55E+04	
.317	591.1	.373	6.39E+04	
.394	776.8	.412	7.61E+04	
.470	781.4	.457	8.37E+04	
.546	846.0	.503	8.44E+04	
.622	863.3	.546	6.96E+04	
.698	902.8	.584	6.45E+04	
.775	921.6	.620	6.32E+04	
.851	946.2	.653	5.55E+04	
.927	960.8	.682	4.78E+04	
1.003	939.1	.706	3.94E+04	
1.067	860.6	.722	2.95E+04	
1.156	935.0	.741	2.98E+04	
1.232	914.3	.758	3.08E+04	
1.257	920.0	.764	3.27E+04	
1.321	945.0	.779	2.99E+04	
1.384	999.6	.793	3.24E+04	
1.460	1014.8	.810	2.83E+04	
1.511	1015.0	.820	2.51E+04	
1.562	1002.6	.830	2.63E+04	
1.613	1009.7	.839	2.48E+04	
1.689	1016.4	.852	2.08E+04	
1.765	1013.4	.862	1.69E+04	
1.816	1001.5	.868	1.33E+04	
1.867	975.7	.873	1.38E+04	
1.918	956.5	.878	1.19E+04	
1.994	924.1	.884	9.50E+03	
2.070	909.1	.888	6.24E+03	

INEL POST-CHF EXPERIMENT NO. 119

POINT SERIAL NO. 1119.031 (TIME= 182.50 SEC)
 {INFERRED VAPOR TEMP)
 LOOP PRESSURE (PE-3) 16.09 MPA
 FCV TEMPERATURE (TE-FCV-1T) 609.8 K
 LHP INLET ENTHALPY 1.563E+06 J/KG
 TEST SECTION:
 PRESSURE 3.59 MPA
 SAT TEMP 517.13 K
 MASS FLUX 19.84 KG/SEC-M**2
 INLET QUALITY .290
 INLET ENTHALPY 1.563E+06 J/KG
 QUENCH FRONT:
 ELEVATION .405 M
 VELOCITY .0104 M/SEC
 QUALITY .403
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

{INFERRED VAPOR TEMP)
 ELEVATION DZQF TV XE XA
 (M) (M) (K)
 1.232 .827 780.0 .749 .543

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	543.2	.292	2.27E+04	
.051	561.3	.299	2.90E+04	
.063	542.1	.302	2.30E+04	
.089	558.1	.306	2.61E+04	
.114	546.9	.311	2.57E+04	
.140	535.1	.316	2.57E+04	
.165	534.7	.321	2.42E+04	
.317	616.2	.364	5.44E+04	
.394	687.9	.397	6.28E+04	
.470	779.8	.435	7.20E+04	
.546	791.3	.478	8.28E+04	
.622	827.2	.525	8.36E+04	
.698	880.4	.566	6.47E+04	
.775	899.8	.602	6.36E+04	
.851	926.8	.636	5.79E+04	
.927	945.6	.666	5.08E+04	
1.003	926.3	.693	4.51E+04	
1.067	854.3	.711	3.15E+04	
1.156	928.6	.731	3.18E+04	
1.232	907.5	.749	3.17E+04	
1.257	911.9	.755	3.43E+04	
1.321	939.2	.771	3.09E+04	
1.384	993.3	.785	3.25E+04	
1.460	1010.1	.802	2.89E+04	
1.511	1011.0	.813	2.57E+04	
1.562	998.9	.822	2.66E+04	
1.613	1007.0	.832	2.48E+04	
1.689	1015.7	.845	2.09E+04	
1.765	1014.4	.855	1.69E+04	
1.816	1003.4	.861	1.36E+04	
1.867	978.0	.866	1.39E+04	
1.918	959.6	.871	1.24E+04	
1.994	926.5	.877	9.88E+03	
2.070	915.0	.882	6.88E+03	

INEL POST-CHF EXPERIMENT NO. 119

POINT SERIAL NO. 1119.041 (TIME= 186.50 SEC)
 [INFERRED VAPOR TEMP]
 LOOP PRESSURE(PE-3) 16.05 MPA
 FCV TEMPERATURE(TE-FCV-1T) 609.7 K
 LHP INLET ENTHALPY 1.562E+06 J/KG
 TEST SECTION:
 PRESSURE 3.59 MPA
 SAT TEMP 517.18 K
 MASS FLUX 19.91 KG/SEC-M**2
 INLET QUALITY .290
 INLET ENTHALPY 1.562E+06 J/KG
 QUENCH FRONT:
 ELEVATION .457 M
 VELOCITY .0185 M/SEC
 QUALITY .420
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

[INFERRED VAPOR TEMP]
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.232	.775	762.0	.739	.545
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WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	542.1	.292	2.22E+04	
.051	558.7	.299	2.80E+04	
.063	541.0	.301	2.27E+04	
.089	556.4	.306	2.52E+04	
.114	545.3	.310	2.48E+04	
.140	533.8	.315	2.42E+04	
.165	533.6	.319	2.31E+04	
.317	604.8	.360	5.02E+04	
.394	617.8	.391	5.90E+04	
.470	709.9	.426	6.75E+04	
.546	768.4	.467	7.80E+04	
.622	800.2	.511	8.13E+04	
.698	867.8	.554	7.09E+04	
.775	887.6	.591	6.28E+04	
.851	915.8	.625	5.73E+04	
.927	936.4	.655	5.09E+04	
1.003	918.2	.682	4.51E+04	
1.067	850.2	.700	3.25E+04	
1.156	924.5	.721	3.25E+04	
1.232	903.5	.739	3.22E+04	
1.257	907.2	.745	3.41E+04	
1.321	935.8	.760	3.08E+04	
1.384	989.6	.775	3.25E+04	
1.460	1007.4	.792	2.84E+04	
1.511	1008.9	.802	2.52E+04	
1.562	996.9	.811	2.59E+04	
1.613	1005.6	.821	2.42E+04	
1.689	1015.3	.833	2.05E+04	
1.765	1015.0	.844	1.68E+04	
1.816	1004.5	.849	1.35E+04	
1.867	979.4	.854	1.38E+04	
1.918	961.3	.859	1.23E+04	
1.994	930.9	.866	1.00E+04	
2.070	918.2	.870	7.13E+03	

INEL POST-CHF EXPERIMENT NO. 119

POINT SERIAL NO. 1119.051 (TIME= 192.50 SEC)
 [INFERRED VAPOR TEMP]
 LOOP PRESSURE(PE-3) 16.07 MPA
 FCV TEMPERATURE(TE-FCV-1T) 609.6 K
 LHP INLET ENTHALPY 1.561E+06 J/KG
 TEST SECTION:
 PRESSURE 3.59 MPA
 SAT TEMP 517.16 K
 MASS FLUX 20.00 KG/SEC-M**2
 INLET QUALITY .289
 INLET ENTHALPY 1.561E+06 J/KG
 QUENCH FRONT:
 ELEVATION .545 M
 VELOCITY .0115 M/SEC
 QUALITY .445
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

[INFERRED VAPOR TEMP]
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.232	.687	735.0	.726	.549
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WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	539.3	.291	2.21E+04	
.051	552.5	.298	2.57E+04	
.063	538.1	.300	2.17E+04	
.089	552.2	.304	2.33E+04	
.114	541.5	.309	2.28E+04	
.140	530.8	.313	2.15E+04	
.165	531.1	.317	2.13E+04	
.317	571.3	.350	3.87E+04	
.394	632.0	.376	5.25E+04	
.470	674.9	.408	6.17E+04	
.546	719.2	.446	7.42E+04	
.622	747.3	.488	7.74E+04	
.698	824.8	.532	7.89E+04	
.775	858.2	.572	6.47E+04	
.851	889.6	.606	5.84E+04	
.927	914.5	.637	5.28E+04	
1.003	900.1	.665	4.73E+04	
1.067	840.6	.684	3.43E+04	
1.156	914.9	.707	3.42E+04	
1.232	893.7	.726	3.36E+04	
1.257	896.4	.732	3.64E+04	
1.321	927.5	.748	3.28E+04	
1.384	980.5	.764	3.43E+04	
1.460	1000.1	.783	3.23E+04	
1.511	1002.9	.794	2.89E+04	
1.562	991.2	.805	2.97E+04	
1.613	1001.2	.816	2.77E+04	
1.689	1013.2	.830	2.44E+04	
1.765	1015.2	.843	2.06E+04	
1.816	1006.0	.850	1.74E+04	
1.867	981.9	.857	1.66E+04	
1.918	964.6	.863	1.58E+04	
1.994	936.3	.870	1.22E+04	
2.070	925.4	.877	9.66E+03	

INEL POST-CHF EXPERIMENT NO. 119

POINT SERIAL NO. 1119.060 (TIME= 199.50 SEC)

LOOP PRESSURE{PF-3} 16.10 MPA
 FCV TEMPERATURE{TE-FCV-1T} 609.4 K
 LHP INLET ENTHALPY 1.560E+06 J/KG
 TEST SECTION:
 PRESSURE 3.59 MPA
 SAT TEMP 517.18 K
 MASS FLUX 19.93 KG/SEC-M**2
 INLET QUALITY .288
 INLET ENTHALPY 1.560E+06 J/KG
 QUENCH FRONT:
 ELEVATION .621 M
 VELOCITY .0102 M/SEC
 QUALITY .458
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.611	700.7	.694	.543

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	536.7	.290	2.14E+04	
.051	547.3	.297	2.36E+04	
.063	536.1	.299	2.10E+04	
.089	548.6	.303	2.22E+04	
.114	538.4	.307	2.17E+04	
.140	528.8	.311	2.05E+04	
.165	529.2	.315	2.04E+04	
.317	549.0	.341	2.63E+04	
.394	592.8	.360	4.30E+04	
.470	629.3	.388	5.42E+04	
.546	669.0	.421	6.53E+04	
.622	687.8	.458	6.87E+04	
.698	769.3	.498	7.43E+04	
.775	810.2	.539	6.98E+04	
.851	859.2	.574	5.70E+04	
.927	888.7	.605	5.22E+04	
1.003	878.8	.633	4.63E+04	
1.067	828.0	.652	3.53E+04	
1.156	903.0	.675	3.45E+04	
1.232	881.0	.694	3.46E+04	
1.257	882.8	.701	3.66E+04	
1.321	916.8	.717	3.31E+04	
1.384	968.8	.733	3.50E+04	
1.460	990.0	.752	3.24E+04	
1.511	994.4	.764	2.94E+04	
1.562	982.9	.775	3.03E+04	
1.613	994.4	.786	2.84E+04	
1.689	1008.9	.801	2.52E+04	
1.765	1013.7	.814	2.17E+04	
1.816	1006.0	.821	1.85E+04	
1.867	983.3	.828	1.80E+04	
1.918	966.6	.835	1.72E+04	
1.994	941.1	.844	1.37E+04	
2.070	932.1	.851	1.12E+04	

INEL POST-CHF EXPERIMENT NO. 119

POINT SERIAL NO. 1119.071 (TIME= 205.50 SEC)

{ INFERRED VAPOR TEMP }
 LOOP PRESSURE{PE-3} 16.08 MPA
 FCV TEMPERATURE{TE-FCV-1T} 609.2 K
 LHP INLET ENTHALPY 1.558E+06 J/KG
 TEST SECTION:
 PRESSURE 3.59 MPA
 SAT TEMP 517.17 K
 MASS FLUX 19.82 KG/SEC-M**2
 INLET QUALITY .287
 INLET ENTHALPY 1.558E+06 J/KG
 QUENCH FRONT:
 ELEVATION .680 M
 VELOCITY .0094 M/SEC
 QUALITY .464
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.552	687.5	.669	.531

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	534.8	.289	2.11E+04	
.051	544.0	.296	2.25E+04	
.063	534.5	.298	2.07E+04	
.089	546.2	.302	2.16E+04	
.114	536.4	.306	2.12E+04	
.140	527.7	.309	2.01E+04	
.165	528.1	.313	1.99E+04	
.317	544.5	.338	2.33E+04	
.394	571.8	.352	2.66E+04	
.470	594.8	.372	4.60E+04	
.546	629.7	.402	5.91E+04	
.622	646.1	.435	6.19E+04	
.698	746.5	.472	7.02E+04	
.775	762.3	.512	6.85E+04	
.851	832.8	.547	5.83E+04	
.927	866.5	.578	5.22E+04	
1.003	860.2	.606	4.67E+04	
1.067	816.8	.626	3.56E+04	
1.156	892.3	.649	3.54E+04	
1.232	869.6	.669	3.53E+04	
1.257	870.8	.676	3.68E+04	
1.321	907.7	.692	3.28E+04	
1.384	958.7	.708	3.44E+04	
1.460	981.7	.726	3.16E+04	
1.511	987.3	.738	2.85E+04	
1.562	976.3	.748	2.86E+04	
1.613	989.3	.759	2.66E+04	
1.689	1005.6	.773	2.38E+04	
1.765	1012.6	.785	2.04E+04	
1.816	1006.0	.793	1.75E+04	
1.867	984.1	.799	1.77E+04	
1.918	968.0	.806	1.68E+04	
1.994	944.6	.814	1.40E+04	
2.070	937.2	.822	1.17E+04	

INEL POST-CHF EXPERIMENT NO. 119

POINT SERIAL NO. 1119.081 (TIME= 215.50 SEC)
 { INFERRED VAPOR TEMP }
 LOOP PRESSURE(PE-3) 16.03 MPA
 FCV TEMPERATURE(TE-FCV-11) 608.9 K
 LHP INLET ENTHALPY 1.557E+06 J/KG
 TEST SECTION:
 PRESSURE 3.59 MPA
 SAT TEMP 517.14 K
 MASS FLUX 19.53 KG/SEC-M**2
 INLET QUALITY .286
 INLET ENTHALPY 1.557E+06 J/KG
 QUENCH FRONT:
 ELEVATION .770 M
 VELOCITY .0084 M/SEC
 QUALITY .468
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
{ INFERRED VAPOR TEMP }

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.462	647.0	.633	.525

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	532.1	.288	2.06E+04	
.051	540.0	.294	2.14E+04	
.063	532.4	.296	2.02E+04	
.089	543.0	.300	2.10E+04	
.114	533.7	.304	2.06E+04	
.140	526.3	.308	1.97E+04	
.165	526.8	.312	1.96E+04	
.317	540.0	.335	2.16E+04	
.394	565.9	.347	2.26E+04	
.470	574.5	.361	2.71E+04	
.546	579.7	.379	3.55E+04	
.622	583.3	.404	5.16E+04	
.698	656.9	.436	6.21E+04	
.775	682.2	.470	5.93E+04	
.851	762.0	.503	5.65E+04	
.927	826.3	.535	5.62E+04	
1.003	825.8	.565	5.00E+04	
1.067	796.7	.586	3.79E+04	
1.156	872.2	.611	3.81E+04	
1.232	848.2	.633	4.06E+04	
1.257	849.2	.641	3.93E+04	
1.321	891.9	.658	3.43E+04	
1.384	942.0	.675	3.57E+04	
1.460	966.9	.695	3.47E+04	
1.511	974.6	.707	3.19E+04	
1.562	964.4	.719	3.26E+04	
1.613	979.3	.731	3.06E+04	
1.689	998.4	.748	2.87E+04	
1.765	1009.3	.763	2.46E+04	
1.816	1004.2	.772	2.20E+04	
1.867	984.1	.780	2.18E+04	
1.918	968.7	.788	2.13E+04	
1.994	948.9	.799	1.73E+04	
2.070	943.8	.809	1.54E+04	

INEL POST-CHF EXPERIMENT NO. 119

POINT SERIAL NO. 1119.091 (TIME= 226.50 SEC)
 { INFERRED VAPOR TEMP }
 LOOP PRESSURE(PE-3) 16.00 MPA
 FCV TEMPERATURE(TE-FCV-11) 608.5 K
 LHP INLET ENTHALPY 1.554E+06 J/KG
 TEST SECTION:
 PRESSURE 3.59 MPA
 SAT TEMP 517.15 K
 MASS FLUX 19.45 KG/SEC-M**2
 INLET QUALITY .285
 INLET ENTHALPY 1.554E+06 J/KG
 QUENCH FRONT:
 ELEVATION .851 M
 VELOCITY .0065 M/SEC
 QUALITY .459
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
{ INFERRED VAPOR TEMP }

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.381	606.0	.586	.510

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	530.0	.287	2.02E+04	
.051	536.8	.293	2.06E+04	
.063	530.6	.295	2.00E+04	
.089	540.2	.299	2.05E+04	
.114	531.4	.302	2.02E+04	
.140	525.1	.306	1.96E+04	
.165	525.7	.310	1.95E+04	
.317	536.5	.333	2.09E+04	
.394	560.4	.345	2.25E+04	
.470	564.4	.359	2.45E+04	
.546	565.5	.373	2.53E+04	
.622	547.2	.387	2.43E+04	
.698	581.8	.405	3.72E+04	
.775	601.8	.430	5.19E+04	
.851	680.0	.459	4.89E+04	
.927	769.6	.489	5.71E+04	
1.003	791.3	.518	4.38E+04	
1.067	773.6	.537	3.62E+04	
1.156	849.5	.561	3.67E+04	
1.232	817.8	.586	5.12E+04	
1.257	824.3	.595	4.11E+04	
1.321	873.5	.613	3.39E+04	
1.384	922.0	.629	3.55E+04	
1.460	948.0	.649	3.46E+04	
1.511	957.7	.662	3.22E+04	
1.562	947.9	.674	3.39E+04	
1.613	964.9	.687	3.16E+04	
1.689	986.2	.704	2.95E+04	
1.765	1001.5	.720	2.70E+04	
1.816	998.1	.730	2.42E+04	
1.867	979.9	.739	2.48E+04	
1.918	965.0	.748	2.36E+04	
1.994	950.2	.761	1.96E+04	
2.070	947.4	.771	1.79E+04	

INEL POST-CHF EXPERIMENT NO. 119

POINT SERIAL NO. 1119.101 (TIME= 236.50 SEC)
 [INFERRED VAPOR TEMP]
 LOOP PRESSURE{PE-3} 16.10 MPA
 FCV TEMPERATURE{TE-FCV-1T} 608.3 K
 LHP INLET ENTHALPY 1.553E+06 J/KG
 TEST SECTION:
 PRESSURE 3.59 MPA
 SAT TEMP 517.18 K
 MASS FLUX 19.59 KG/SEC-M**2
 INLET QUALITY .284
 INLET ENTHALPY 1.553E+06 J/KG
 QUENCH FRONT:
 ELEVATION .917 M
 VELOCITY .0067 M/SEC
 QUALITY .453
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

[INFERRED VAPOR TEMP]				
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.232	.315	569.0	.563	.515

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	528.0	.286	1.91E+04	
.051	534.7	.291	2.02E+04	
.063	529.3	.293	1.98E+04	
.089	538.1	.297	2.00E+04	
.114	529.8	.301	1.99E+04	
.140	524.4	.305	1.92E+04	
.165	525.0	.308	1.94E+04	
.317	534.1	.331	2.05E+04	
.394	555.8	.343	2.24E+04	
.470	558.0	.356	2.30E+04	
.546	558.1	.369	2.33E+04	
.622	541.3	.382	2.20E+04	
.698	566.6	.396	2.57E+04	
.775	561.2	.410	2.55E+04	
.851	594.8	.427	3.55E+04	
.927	719.9	.457	6.72E+04	
1.003	755.5	.487	4.13E+04	
1.067	752.3	.506	3.77E+04	
1.156	827.0	.531	3.64E+04	
1.232	782.3	.563	7.70E+04	
1.257	797.4	.575	4.78E+04	
1.321	856.6	.595	3.72E+04	
1.384	904.3	.613	3.91E+04	
1.460	929.3	.636	4.06E+04	
1.511	940.0	.650	3.86E+04	
1.562	929.2	.666	4.18E+04	
1.613	949.0	.681	3.85E+04	
1.689	972.6	.703	3.78E+04	
1.765	992.2	.723	3.56E+04	
1.816	989.5	.736	3.17E+04	
1.867	972.8	.748	3.31E+04	
1.918	958.5	.761	3.15E+04	
1.994	949.0	.777	2.51E+04	
2.070	947.9	.791	2.35E+04	

INEL POST-CHF EXPERIMENT NO. 121

POINT SERIAL NO. 1121.010 (TIME= 172.50 SEC)
 LOOP PRESSURE{PE-3} 16.05 MPA
 FCV TEMPERATURE{TE-FCV-1T} 609.1 K
 LHP INLET ENTHALPY 1.558E+06 J/KG
 TEST SECTION:
 PRESSURE 7.06 MPA
 SAT TEMP 559.53 K
 MASS FLUX 20.77 KG/SEC-M**2
 INLET QUALITY .191
 INLET ENTHALPY 1.558E+06 J/KG
 QUENCH FRONT:
 ELEVATION .856 M
 VELOCITY .0120 M/SEC
 QUALITY .348
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

[INFERRED VAPOR TEMP]				
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.232	.376	673.8	.584	.464

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	570.9	.193	1.56E+04	
.051	576.0	.198	1.62E+04	
.063	570.0	.200	1.53E+04	
.089	577.7	.203	1.59E+04	
.114	570.3	.206	1.56E+04	
.140	565.8	.209	1.49E+04	
.165	564.1	.213	1.48E+04	
.317	574.8	.232	1.65E+04	
.394	593.3	.243	1.78E+04	
.470	601.7	.255	2.01E+04	
.546	604.8	.268	2.15E+04	
.622	587.9	.281	2.01E+04	
.698	617.8	.296	2.79E+04	
.775	615.5	.315	3.23E+04	
.851	738.0	.344	6.21E+04	
.927	747.2	.399	1.12E+05	
1.003	810.3	.469	1.12E+05	
1.067	831.3	.515	6.16E+04	
1.156	932.3	.556	4.86E+04	
1.232	927.2	.584	4.08E+04	
1.257	913.7	.593	4.69E+04	
1.321	936.8	.614	3.23E+04	
1.384	1007.8	.631	3.15E+04	
1.461	1035.7	.651	3.23E+04	
1.511	1041.5	.664	2.97E+04	
1.562	1038.5	.676	3.13E+04	
1.613	1047.4	.689	2.92E+04	
1.689	1059.4	.706	2.49E+04	
1.765	1060.2	.721	2.09E+04	
1.816	1049.7	.729	1.76E+04	
1.867	1025.2	.736	1.62E+04	
1.918	1002.7	.742	1.48E+04	
1.994	975.0	.750	1.05E+04	
2.070	957.9	.756	7.30E+03	

INEL POST-CHF EXPERIMENT NO. 121

POINT SERIAL NO. 2121.010 (TIME= 172.50 SEC)

LOOP PRESSURE(PE-3) 16.05 MPA
 FCV TEMPERATURE(TE-FCV-1T) 609.1 K
 LHP INLET ENTHALPY 1.558E+06 J/KG
 TEST SECTION:
 PRESSURE 7.06 MPA
 SAT TEMP 559.53 K
 MASS FLUX 20.77 KG/SEC-M**2
 INLET QUALITY .191
 INLET ENTHALPY 1.558E+06 J/KG
 QUENCH FRONT:
 ELEVATION .856 M
 VELOCITY .0120 M/SEC
 QUALITY .348
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.537	.681	799.3	.670	.457

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	570.9	.193	1.56E+04	
.051	576.0	.198	1.62E+04	
.063	570.0	.200	1.53E+04	
.089	577.7	.203	1.59E+04	
.114	570.3	.206	1.96E+04	
.140	565.8	.209	1.49E+04	
.165	564.1	.213	1.48E+04	
.317	574.8	.232	1.65E+04	
.394	593.3	.243	1.78E+04	
.470	601.7	.255	2.01E+04	
.546	604.8	.268	2.15E+04	
.622	587.9	.281	2.01E+04	
.698	617.8	.296	2.79E+04	
.775	615.5	.315	3.23E+04	
.851	738.0	.344	6.21E+04	
.927	747.2	.399	1.12E+05	
1.003	810.3	.469	1.12E+05	
1.067	831.3	.515	6.16E+04	
1.156	932.3	.556	4.86E+04	
1.232	927.2	.584	4.08E+04	
1.257	913.7	.593	4.69E+04	
1.321	936.8	.614	3.23E+04	
1.384	1007.8	.631	3.15E+04	
1.461	1035.7	.651	3.23E+04	
1.511	1041.5	.664	2.97E+04	
1.562	1038.5	.676	3.13E+04	
1.613	1047.4	.689	2.92E+04	
1.689	1059.4	.706	2.49E+04	
1.765	1060.2	.721	2.09E+04	
1.816	1049.7	.729	1.76E+04	
1.867	1025.2	.736	1.62E+04	
1.918	1002.7	.742	1.48E+04	
1.994	975.0	.750	1.05E+04	
2.070	957.9	.756	7.30E+03	

INEL POST-CHF EXPERIMENT NO. 121

POINT SERIAL NO. 3121.010 (TIME= 172.50 SEC)

LOOP PRESSURE(PE-3) 16.05 MPA
 FCV TEMPERATURE(TE-FCV-1T) 609.1 K
 LHP INLET ENTHALPY 1.558E+06 J/KG
 TEST SECTION:
 PRESSURE 7.06 MPA
 SAT TEMP 559.53 K
 MASS FLUX 20.77 KG/SEC-M**2
 INLET QUALITY .191
 INLET ENTHALPY 1.558E+06 J/KG
 QUENCH FRONT:
 ELEVATION .856 M
 VELOCITY .0120 M/SEC
 QUALITY .348
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.842	.985	925.2	.732	.440

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	570.9	.193	1.56E+04	
.051	576.0	.198	1.62E+04	
.063	570.0	.200	1.53E+04	
.089	577.7	.203	1.59E+04	
.114	570.3	.206	1.96E+04	
.140	565.8	.209	1.49E+04	
.165	564.1	.213	1.48E+04	
.317	574.8	.232	1.65E+04	
.394	593.3	.243	1.78E+04	
.470	601.7	.255	2.01E+04	
.546	604.8	.268	2.15E+04	
.622	587.9	.281	2.01E+04	
.698	617.8	.296	2.79E+04	
.775	615.5	.315	3.23E+04	
.851	738.0	.344	6.21E+04	
.927	747.2	.399	1.12E+05	
1.003	810.3	.469	1.12E+05	
1.067	831.3	.515	6.16E+04	
1.156	932.3	.556	4.86E+04	
1.232	927.2	.584	4.08E+04	
1.257	913.7	.593	4.69E+04	
1.321	936.8	.614	3.23E+04	
1.384	1007.8	.631	3.15E+04	
1.461	1035.7	.651	3.23E+04	
1.511	1041.5	.664	2.97E+04	
1.562	1038.5	.676	3.13E+04	
1.613	1047.4	.689	2.92E+04	
1.689	1059.4	.706	2.49E+04	
1.765	1060.2	.721	2.09E+04	
1.816	1049.7	.729	1.76E+04	
1.867	1025.2	.736	1.62E+04	
1.918	1002.7	.742	1.48E+04	
1.994	975.0	.750	1.05E+04	
2.070	957.9	.756	7.30E+03	

INEL POST-CHF EXPERIMENT NO. 121

POINT SERIAL NO. 1121.020 (TIME= 178.50 SEC)

LOOP PRESSURE{PE-3} 16.14 MPA
 FCV TEMPERATURE{TE-FCV-11} 609.1 K
 LHP INLET ENTHALPY 1.558E+06 J/KG
 TEST SECTION:
 PRESSURE 7.07 MPA
 SAT TEMP 559.58 K
 MASS FLUX 20.63 KG/SEC-M**2
 INLET QUALITY .191
 INLET ENTHALPY 1.558E+06 J/KG
 QUENCH FRONT:
 ELEVATION .934 M
 VELOCITY .0139 M/SEC
 QUALITY .388
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	IV (K)	XE	XA
1.232	.298	665.6	.556	.460

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	570.5	.193	1.55E+04	
.051	575.4	.198	1.60E+04	
.063	569.6	.199	1.54E+04	
.089	577.2	.203	1.58E+04	
.114	569.9	.206	1.55E+04	
.140	565.6	.209	1.49E+04	
.165	563.9	.212	1.48E+04	
.317	574.1	.232	1.64E+04	
.394	591.9	.242	1.76E+04	
.470	599.8	.254	1.98E+04	
.546	602.5	.267	2.09E+04	
.622	586.1	.279	1.95E+04	
.698	614.1	.294	2.62E+04	
.775	611.4	.311	2.95E+04	
.851	663.0	.337	5.27E+04	
.927	745.8	.382	9.21E+04	
1.003	760.0	.441	9.54E+04	
1.067	806.4	.484	6.74E+04	
1.156	918.9	.527	5.04E+04	
1.232	916.4	.556	4.29E+04	
1.257	901.8	.566	4.60E+04	
1.321	930.3	.586	3.30E+04	
1.384	1001.9	.603	3.25E+04	
1.461	1029.5	.624	3.34E+04	
1.511	1036.0	.637	3.05E+04	
1.562	1033.0	.650	3.16E+04	
1.613	1042.7	.663	2.90E+04	
1.689	1056.1	.680	2.46E+04	
1.765	1058.1	.694	2.08E+04	
1.816	1048.3	.702	1.75E+04	
1.867	1024.5	.709	1.64E+04	
1.918	1002.4	.716	1.49E+04	
1.994	976.1	.724	1.06E+04	
2.070	959.9	.729	7.51E+03	

INEL POST-CHF EXPERIMENT NO. 121

POINT SERIAL NO. 2121.020 (TIME= 178.50 SEC)

LOOP PRESSURE{PE-3} 16.14 MPA
 FCV TEMPERATURE{TE-FCV-11} 609.1 K
 LHP INLET ENTHALPY 1.558E+06 J/KG
 TEST SECTION:
 PRESSURE 7.07 MPA
 SAT TEMP 559.58 K
 MASS FLUX 20.63 KG/SEC-M**2
 INLET QUALITY .191
 INLET ENTHALPY 1.558E+06 J/KG
 QUENCH FRONT:
 ELEVATION .934 M
 VELOCITY .0139 M/SEC
 QUALITY .388
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	IV (K)	XE	XA
1.537	.603	784.1	.644	.447

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	570.5	.193	1.55E+04	
.051	575.4	.198	1.60E+04	
.063	569.6	.199	1.54E+04	
.089	577.2	.203	1.58E+04	
.114	569.9	.206	1.55E+04	
.140	565.6	.209	1.49E+04	
.165	563.9	.212	1.48E+04	
.317	574.1	.232	1.64E+04	
.394	591.9	.242	1.76E+04	
.470	599.8	.254	1.98E+04	
.546	602.5	.267	2.09E+04	
.622	586.1	.279	1.95E+04	
.698	614.1	.294	2.62E+04	
.775	611.4	.311	2.95E+04	
.851	663.0	.337	5.27E+04	
.927	745.8	.382	9.21E+04	
1.003	760.0	.441	9.54E+04	
1.067	806.4	.484	6.74E+04	
1.156	918.9	.527	5.04E+04	
1.232	916.4	.556	4.29E+04	
1.257	901.8	.566	4.60E+04	
1.321	930.3	.586	3.30E+04	
1.384	1001.9	.603	3.25E+04	
1.461	1029.5	.624	3.34E+04	
1.511	1036.0	.637	3.05E+04	
1.562	1033.0	.650	3.16E+04	
1.613	1042.7	.663	2.90E+04	
1.689	1056.1	.680	2.46E+04	
1.765	1058.1	.694	2.08E+04	
1.816	1048.3	.702	1.75E+04	
1.867	1024.5	.709	1.64E+04	
1.918	1002.4	.716	1.49E+04	
1.994	976.1	.724	1.06E+04	
2.070	959.9	.729	7.51E+03	

INEL POST-CHF EXPERIMENT NO. 121

POINT SERIAL NO. 3121.020 (TIME= 178.50 SEC)

LOOP PRESSURE{PE-3} 16.14 MPA
 FCV TEMPERATURE{TE-FCV-11} 609.1 K
 LHP INLET ENTHALPY 1.558E+06 J/KG
 TEST SECTION:
 PRESSURE 7.07 MPA
 SAT TEMP 559.58 K
 MASS FLUX 20.63 KG/SEC-M**2
 INLET QUALITY .191
 INLET ENTHALPY 1.558E+06 J/KG
 QUENCH FRONT:
 ELEVATION .934 M
 VELOCITY .0139 M/SEC
 QUALITY .388
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.842	.907	905.8	.706	.432

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	570.5	.193	1.55E+04	
.051	575.4	.198	1.60E+04	
.063	569.6	.199	1.54E+04	
.089	577.2	.203	1.58E+04	
.114	569.9	.206	1.55E+04	
.140	565.6	.209	1.49E+04	
.165	563.9	.212	1.48E+04	
.317	574.1	.232	1.64E+04	
.394	591.9	.242	1.76E+04	
.470	599.8	.254	1.98E+04	
.546	602.5	.267	2.09E+04	
.622	586.1	.279	1.95E+04	
.698	614.1	.294	2.62E+04	
.775	611.4	.311	2.95E+04	
.851	663.0	.337	5.27E+04	
.927	745.8	.382	9.21E+04	
1.003	760.0	.441	9.54E+04	
1.067	806.4	.484	6.74E+04	
1.156	918.9	.527	5.04E+04	
1.232	916.4	.556	4.29E+04	
1.257	901.8	.565	4.60E+04	
1.321	930.3	.586	3.30E+04	
1.384	1001.9	.603	3.25E+04	
1.461	1029.5	.624	3.34E+04	
1.511	1036.0	.637	3.05E+04	
1.562	1033.0	.650	3.16E+04	
1.613	1042.7	.663	2.90E+04	
1.689	1056.1	.680	2.46E+04	
1.765	1058.1	.694	2.08E+04	
1.816	1048.3	.702	1.75E+04	
1.867	1024.5	.709	1.64E+04	
1.918	1002.4	.716	1.49E+04	
1.994	976.1	.724	1.06E+04	
2.070	959.9	.729	7.51E+03	

INEL POST-CHF EXPERIMENT NO. 121

POINT SERIAL NO. 1121.030 (TIME= 185.50 SEC)

LOOP PRESSURE{PE-3} 16.05 MPA
 FCV TEMPERATURE{TE-FCV-11} 609.1 K
 LHP INLET ENTHALPY 1.558E+06 J/KG
 TEST SECTION:
 PRESSURE 7.07 MPA
 SAT TEMP 559.60 K
 MASS FLUX 20.48 KG/SEC-M**2
 INLET QUALITY .191
 INLET ENTHALPY 1.558E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.017 M
 VELOCITY .0110 M/SEC
 QUALITY .427
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.214	609.0	.537	.475

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	570.2	.193	1.54E+04	
.051	574.8	.198	1.58E+04	
.063	569.2	.199	1.53E+04	
.089	576.7	.203	1.57E+04	
.114	569.4	.206	1.54E+04	
.140	565.4	.209	1.49E+04	
.165	563.7	.212	1.48E+04	
.317	573.4	.232	1.62E+04	
.394	590.6	.242	1.73E+04	
.470	597.7	.254	1.95E+04	
.546	600.2	.266	2.03E+04	
.622	584.4	.278	1.90E+04	
.698	610.4	.292	2.48E+04	
.775	607.6	.308	2.72E+04	
.851	653.3	.331	4.56E+04	
.927	695.8	.370	7.72E+04	
1.003	696.7	.419	7.83E+04	
1.067	795.4	.457	6.78E+04	
1.156	896.5	.503	5.82E+04	
1.232	902.3	.537	4.82E+04	
1.257	886.3	.547	5.30E+04	
1.321	922.1	.571	3.63E+04	
1.384	994.5	.589	3.37E+04	
1.461	1021.7	.610	3.46E+04	
1.511	1029.0	.624	3.16E+04	
1.562	1026.2	.638	3.24E+04	
1.613	1037.0	.651	2.98E+04	
1.689	1052.1	.668	2.55E+04	
1.765	1055.4	.683	2.17E+04	
1.816	1046.4	.691	1.86E+04	
1.867	1023.2	.699	1.74E+04	
1.918	1001.8	.706	1.59E+04	
1.994	977.2	.714	1.14E+04	
2.070	962.2	.721	8.39E+03	

INEL POST-CHF EXPERIMENT NO. 121

POINT SERIAL NO. 2121.030 (TIME= 185.50 SEC)

LOOP PRESSURE[PE-3] 16.05 MPA
 FCV TEMPERATURE[TE-FCV-1T] 609.1 K
 LHP INLET ENTHALPY 1.558E+06 J/KG
 TEST SECTION:
 PRESSURE 7.07 MPA
 SAT TEMP 559.60 K
 MASS FLUX 20.48 KG/SEC-M**2
 INLET QUALITY .191
 INLET ENTHALPY 1.558E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.017 M
 VELOCITY .0110 M/SEC
 QUALITY .427
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.537	.519	738.5	.631	.462

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION			HEAT LOSS W/M**2
ELEVATION	TEMP	XE	HEAT FLUX		
(M)	(K)		W/M**2		
.013	570.2	.193	1.54E+04		
.051	574.8	.198	1.58E+04		
.063	569.2	.199	1.53E+04		
.089	576.7	.203	1.57E+04		
.114	569.4	.206	1.54E+04		
.140	565.4	.209	1.49E+04		
.165	563.7	.212	1.48E+04		
.317	573.4	.232	1.62E+04		
.394	590.6	.242	1.73E+04		
.470	597.7	.254	1.95E+04		
.546	600.2	.266	2.03E+04		
.622	584.4	.278	1.90E+04		
.698	610.4	.292	2.48E+04		
.775	607.6	.308	2.72E+04		
.851	653.3	.331	4.56E+04		
.927	695.8	.370	7.72E+04		
1.003	696.7	.419	7.83E+04		
1.067	795.4	.457	6.78E+04		
1.156	896.5	.503	5.82E+04		
1.232	902.3	.537	4.82E+04		
1.257	886.3	.547	5.30E+04		
1.321	922.1	.571	3.63E+04		
1.384	994.5	.589	3.37E+04		
1.461	1021.7	.610	3.46E+04		
1.511	1029.0	.624	3.16E+04		
1.562	1026.2	.638	3.24E+04		
1.613	1037.0	.651	2.98E+04		
1.689	1052.1	.668	2.55E+04		
1.765	1055.4	.683	2.17E+04		
1.816	1046.4	.691	1.86E+04		
1.867	1023.2	.699	1.74E+04		
1.918	1001.8	.706	1.59E+04		
1.994	977.2	.714	1.14E+04		
2.070	962.2	.721	8.39E+03		

INEL POST-CHF EXPERIMENT NO. 121

POINT SERIAL NO. 3121.030 (TIME= 185.50 SEC)

LOOP PRESSURE[PE-3] 16.05 MPA
 FCV TEMPERATURE[TE-FCV-1T] 609.1 K
 LHP INLET ENTHALPY 1.558E+06 J/KG
 TEST SECTION:
 PRESSURE 7.07 MPA
 SAT TEMP 559.60 K
 MASS FLUX 20.48 KG/SEC-M**2
 INLET QUALITY .191
 INLET ENTHALPY 1.558E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.017 M
 VELOCITY .0110 M/SEC
 QUALITY .427
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.842	.824	887.5	.695	.433

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION			HEAT LOSS W/M**2
ELEVATION	TEMP	XE	HEAT FLUX		
(M)	(K)		W/M**2		
.013	570.2	.193	1.54E+04		
.051	574.8	.198	1.58E+04		
.063	569.2	.199	1.53E+04		
.089	576.7	.203	1.57E+04		
.114	569.4	.206	1.54E+04		
.140	565.4	.209	1.49E+04		
.165	563.7	.212	1.48E+04		
.317	573.4	.232	1.62E+04		
.394	590.6	.242	1.73E+04		
.470	597.7	.254	1.95E+04		
.546	600.2	.266	2.03E+04		
.622	584.4	.278	1.90E+04		
.698	610.4	.292	2.48E+04		
.775	607.6	.308	2.72E+04		
.851	653.3	.331	4.56E+04		
.927	695.8	.370	7.72E+04		
1.003	696.7	.419	7.83E+04		
1.067	795.4	.457	6.78E+04		
1.156	896.5	.503	5.82E+04		
1.232	902.3	.537	4.82E+04		
1.257	886.3	.547	5.30E+04		
1.321	922.1	.571	3.63E+04		
1.384	994.5	.589	3.37E+04		
1.461	1021.7	.610	3.46E+04		
1.511	1029.0	.624	3.16E+04		
1.562	1026.2	.638	3.24E+04		
1.613	1037.0	.651	2.98E+04		
1.689	1052.1	.668	2.55E+04		
1.765	1055.4	.683	2.17E+04		
1.816	1046.4	.691	1.86E+04		
1.867	1023.2	.699	1.74E+04		
1.918	1001.8	.706	1.59E+04		
1.994	977.2	.714	1.14E+04		
2.070	962.2	.721	8.39E+03		

INEL POST-CHF EXPERIMENT NO. 121

POINT SERIAL NO. 1121.041 (TIME= 189.50 SEC)
 [INFERRED VAPOR TEMP]
 LOOP PRESSURE{PE-3} 16.04 MPA
 FCV TEMPERATURE{TE-FCV-1T} 609.2 K
 LHP INLET ENTHALPY 1.558E+06 J/KG
 TEST SECTION:
 PRESSURE 7.07 MPA
 SAT TEMP 559.64 K
 MASS FLUX 20.62 KG/SEC-M**2
 INLET QUALITY .191
 INLET ENTHALPY 1.558E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.064 M
 VELOCITY .0122 M/SEC
 QUALITY .428
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
(INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.168	600.0	.516	.466

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	569.7	.193	1.55E+04	
.051	574.1	.198	1.56E+04	
.063	568.8	.200	1.51E+04	
.089	576.1	.203	1.55E+04	
.114	569.0	.206	1.52E+04	
.140	565.1	.209	1.48E+04	
.165	563.5	.212	1.47E+04	
.317	572.5	.232	1.59E+04	
.394	589.1	.242	1.73E+04	
.470	595.2	.253	1.90E+04	
.546	597.4	.265	1.96E+04	
.622	582.3	.277	1.82E+04	
.698	605.8	.290	2.26E+04	
.775	602.3	.304	2.31E+04	
.851	633.0	.322	3.23E+04	
.927	662.4	.352	6.44E+04	
1.003	617.8	.394	6.84E+04	
1.067	751.1	.429	6.61E+04	
1.156	868.7	.477	6.46E+04	
1.232	881.4	.516	5.84E+04	
1.257	866.0	.529	6.77E+04	
1.321	911.6	.557	3.96E+04	
1.384	985.9	.577	3.57E+04	
1.461	1012.9	.600	3.65E+04	
1.511	1021.1	.614	3.32E+04	
1.562	1018.4	.628	3.37E+04	
1.613	1030.3	.642	3.10E+04	
1.689	1047.3	.660	2.63E+04	
1.765	1052.2	.675	2.27E+04	
1.816	1044.1	.684	1.95E+04	
1.867	1021.8	.692	1.83E+04	
1.918	1001.0	.700	1.68E+04	
1.994	978.4	.709	1.22E+04	
2.070	964.7	.715	9.11E+03	

INEL POST-CHF EXPERIMENT NO. 121

POINT SERIAL NO. 2121.040 (TIME= 189.50 SEC)
 LOOP PRESSURE{PE-3} 16.04 MPA
 FCV TEMPERATURE{TE-FCV-1T} 609.2 K
 LHP INLET ENTHALPY 1.558E+06 J/KG
 TEST SECTION:
 PRESSURE 7.07 MPA
 SAT TEMP 559.64 K
 MASS FLUX 20.62 KG/SEC-M**2
 INLET QUALITY .191
 INLET ENTHALPY 1.558E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.064 M
 VELOCITY .0122 M/SEC
 QUALITY .428
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.472	772.4	.621	.453

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	569.7	.193	1.55E+04	
.051	574.1	.198	1.56E+04	
.063	568.8	.200	1.51E+04	
.089	576.1	.203	1.55E+04	
.114	569.0	.206	1.52E+04	
.140	565.1	.209	1.48E+04	
.165	563.5	.212	1.47E+04	
.317	572.5	.232	1.59E+04	
.394	589.1	.242	1.73E+04	
.470	595.2	.253	1.90E+04	
.546	597.4	.265	1.96E+04	
.622	582.3	.277	1.82E+04	
.698	605.8	.290	2.26E+04	
.775	602.3	.304	2.31E+04	
.851	633.0	.322	3.23E+04	
.927	662.4	.352	6.44E+04	
1.003	617.8	.394	6.84E+04	
1.067	751.1	.429	6.61E+04	
1.156	868.7	.477	6.46E+04	
1.232	881.4	.516	5.84E+04	
1.257	866.0	.529	6.77E+04	
1.321	911.6	.557	3.96E+04	
1.384	985.9	.577	3.57E+04	
1.461	1012.9	.600	3.65E+04	
1.511	1021.1	.614	3.32E+04	
1.562	1018.4	.628	3.37E+04	
1.613	1030.3	.642	3.10E+04	
1.689	1047.3	.660	2.63E+04	
1.765	1052.2	.675	2.27E+04	
1.816	1044.1	.684	1.95E+04	
1.867	1021.8	.692	1.83E+04	
1.918	1001.0	.700	1.68E+04	
1.994	978.4	.709	1.22E+04	
2.070	964.7	.715	9.11E+03	

INEL POST-CHF EXPERIMENT NO. 121

POINT SERIAL NO. 3121.040 (TIME= 189.50 SEC)

LOOP PRESSURE{PE-3} 16.04 MPA
 FCV TEMPERATURE{TE-FCV-1T} 609.2 K
 LHP INLET ENTHALPY 1.558E+06 J/KG
 TEST SECTION:
 PRESSURE 7.07 MPA
 SAT TEMP 559.64 K
 MASS FLUX 20.62 KG/SEC-M**2
 INLET QUALITY .191
 INLET ENTHALPY 1.558E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.064 M
 VELOCITY .0122 M/SEC
 QUALITY .428
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.842	.777	900.9	.688	.432

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION			HEAT LOSS W/M**2
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2		
.013	569.7	.193	1.55E+04		
.051	574.1	.198	1.56E+04		
.063	568.8	.200	1.51E+04		
.089	576.1	.203	1.55E+04		
.114	569.0	.206	1.52E+04		
.140	565.1	.209	1.48E+04		
.165	563.5	.212	1.47E+04		
.317	572.5	.232	1.59E+04		
.394	589.1	.242	1.73E+04		
.470	595.2	.253	1.90E+04		
.546	597.4	.265	1.96E+04		
.622	582.3	.277	1.82E+04		
.698	605.8	.290	2.26E+04		
.775	602.3	.304	2.31E+04		
.851	633.0	.322	3.23E+04		
.927	662.4	.352	6.44E+04		
1.003	617.8	.394	6.84E+04		
1.067	751.1	.429	6.61E+04		
1.156	868.7	.477	6.46E+04		
1.232	881.4	.516	5.84E+04		
1.257	866.0	.529	6.77E+04		
1.321	911.6	.557	3.96E+04		
1.384	985.9	.577	3.57E+04		
1.460	1012.9	.600	3.65E+04		
1.511	1021.1	.614	3.32E+04		
1.562	1018.4	.628	3.37E+04		
1.613	1030.3	.642	3.10E+04		
1.689	1047.3	.660	2.63E+04		
1.765	1052.2	.675	2.27E+04		
1.816	1044.1	.684	1.95E+04		
1.867	1021.8	.692	1.83E+04		
1.918	1001.0	.700	1.68E+04		
1.994	978.4	.709	1.22E+04		
2.070	964.7	.715	9.11E+03		

INEL POST-CHF EXPERIMENT NO. 121

POINT SERIAL NO. 1121.051 (TIME= 197.50 SEC)

[INFERRED VAPOR TEMP]
 LOOP PRESSURE{PE-3} 16.16 MPA
 FCV TEMPERATURE{TE-FCV-1T} 609.2 K
 LHP INLET ENTHALPY 1.558E+06 J/KG
 TEST SECTION:
 PRESSURE 7.08 MPA
 SAT TEMP 559.69 K
 MASS FLUX 20.55 KG/SEC-M**2
 INLET QUALITY .191
 INLET ENTHALPY 1.558E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.164 M
 VELOCITY .0127 M/SEC
 QUALITY .455
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.068	577.0	.494	.472

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION			HEAT LOSS W/M**2
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2		
.013	569.3	.193	1.53E+04		
.051	573.4	.198	1.56E+04		
.063	568.4	.199	1.51E+04		
.089	575.4	.203	1.55E+04		
.114	568.4	.206	1.51E+04		
.140	564.9	.209	1.48E+04		
.165	563.4	.212	1.48E+04		
.317	571.6	.231	1.58E+04		
.394	587.4	.242	1.72E+04		
.470	592.7	.253	1.86E+04		
.546	594.6	.265	1.89E+04		
.622	580.2	.276	1.75E+04		
.698	601.4	.289	2.09E+04		
.775	597.8	.302	2.08E+04		
.851	625.3	.316	2.44E+04		
.927	629.2	.334	3.40E+04		
1.003	628.4	.363	5.77E+04		
1.067	714.9	.397	7.05E+04		
1.156	819.8	.450	7.37E+04		
1.232	854.0	.494	6.70E+04		
1.257	847.0	.510	7.84E+04		
1.321	902.0	.542	4.29E+04		
1.384	977.5	.563	3.75E+04		
1.460	1004.1	.587	3.83E+04		
1.511	1013.3	.602	3.48E+04		
1.562	1010.6	.617	3.49E+04		
1.613	1023.8	.631	3.23E+04		
1.689	1042.6	.650	2.76E+04		
1.765	1049.0	.666	2.39E+04		
1.816	1041.9	.675	2.09E+04		
1.867	1020.5	.684	1.94E+04		
1.918	1000.4	.692	1.79E+04		
1.994	979.6	.702	1.32E+04		
2.070	967.2	.709	1.01E+04		

INEL POST-CHF EXPERIMENT NO. 121

POINT SERIAL NO. 2121.050 (TIME= 197.50 SEC)

LOOP PRESSURE(PE-3) 16.16 MPA
 FCV TEMPERATURE(TE-FCV-11) 609.2 K
 LHP INLET ENTHALPY 1.558E+06 J/KG
 TEST SECTION:
 PRESSURE 7.08 MPA
 SAT TEMP 559.69 K
 MASS FLUX 20.55 KG/SEC-M**2
 INLET QUALITY .191
 INLET ENTHALPY 1.558E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.164 M
 VELOCITY .0127 M/SEC
 QUALITY .455
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	IV (K)	XE	XA
1.537	.373	710.1	.609	.462

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	569.3	.193	1.53E+04	
.051	573.4	.198	1.56E+04	
.063	568.4	.199	1.51E+04	
.089	575.4	.203	1.55E+04	
.114	568.4	.206	1.51E+04	
.140	564.9	.209	1.48E+04	
.165	563.4	.212	1.48E+04	
.317	571.6	.231	1.58E+04	
.394	587.4	.242	1.72E+04	
.470	592.7	.253	1.86E+04	
.546	594.6	.265	1.89E+04	
.622	580.2	.276	1.75E+04	
.698	601.4	.289	2.09E+04	
.775	597.8	.302	2.08E+04	
.851	625.3	.316	2.44E+04	
.927	629.2	.334	3.40E+04	
1.003	628.4	.363	5.77E+04	
1.067	714.9	.397	7.05E+04	
1.156	819.8	.450	7.37E+04	
1.232	854.0	.494	6.70E+04	
1.257	847.0	.510	7.84E+04	
1.321	902.0	.542	4.29E+04	
1.384	977.5	.563	3.75E+04	
1.460	1004.1	.587	3.83E+04	
1.511	1013.3	.602	3.48E+04	
1.562	1010.6	.617	3.49E+04	
1.613	1023.8	.631	3.23E+04	
1.689	1042.6	.650	2.76E+04	
1.765	1049.0	.666	2.39E+04	
1.816	1041.9	.675	2.09E+04	
1.867	1020.5	.684	1.94E+04	
1.918	1000.4	.692	1.79E+04	
1.994	979.6	.702	1.32E+04	
2.070	967.2	.709	1.01E+04	

INEL POST-CHF EXPERIMENT NO. 121

POINT SERIAL NO. 3121.050 (TIME= 197.50 SEC)

LOOP PRESSURE(PE-3) 16.16 MPA
 FCV TEMPERATURE(TE-FCV-11) 609.2 K
 LHP INLET ENTHALPY 1.558E+06 J/KG
 TEST SECTION:
 PRESSURE 7.08 MPA
 SAT TEMP 559.69 K
 MASS FLUX 20.55 KG/SEC-M**2
 INLET QUALITY .191
 INLET ENTHALPY 1.558E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.164 M
 VELOCITY .0127 M/SEC
 QUALITY .455
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	IV (K)	XE	XA
1.842	.677	872.1	.680	.432

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	569.3	.193	1.53E+04	
.051	573.4	.198	1.56E+04	
.063	568.4	.199	1.51E+04	
.089	575.4	.203	1.55E+04	
.114	568.4	.206	1.51E+04	
.140	564.9	.209	1.48E+04	
.165	563.4	.212	1.48E+04	
.317	571.6	.231	1.58E+04	
.394	587.4	.242	1.72E+04	
.470	592.7	.253	1.86E+04	
.546	594.6	.265	1.89E+04	
.622	580.2	.276	1.75E+04	
.698	601.4	.289	2.09E+04	
.775	597.8	.302	2.08E+04	
.851	625.3	.316	2.44E+04	
.927	629.2	.334	3.40E+04	
1.003	628.4	.363	5.77E+04	
1.067	714.9	.397	7.05E+04	
1.156	819.8	.450	7.37E+04	
1.232	854.0	.494	6.70E+04	
1.257	847.0	.510	7.84E+04	
1.321	902.0	.542	4.29E+04	
1.384	977.5	.563	3.75E+04	
1.460	1004.1	.587	3.83E+04	
1.511	1013.3	.602	3.48E+04	
1.562	1010.6	.617	3.49E+04	
1.613	1023.8	.631	3.23E+04	
1.689	1042.6	.650	2.76E+04	
1.765	1049.0	.666	2.39E+04	
1.816	1041.9	.675	2.09E+04	
1.867	1020.5	.684	1.94E+04	
1.918	1000.4	.692	1.79E+04	
1.994	979.6	.702	1.32E+04	
2.070	967.2	.709	1.01E+04	

INEL POST-CHF EXPERIMENT NO. 121

POINT SERIAL NO. 2121.060 (TIME= 201.50 SEC)

LOOP PRESSURE[PE-3] 16.12 MPA
 FCV TEMPERATURE[TE-FCV-1T] 609.2 K
 LHP INLET ENTHALPY 1.559E+06 J/KG
 TEST SECTION:
 PRESSURE 7.07 MPA
 SAT TEMP 559.64 K
 MASS FLUX 20.43 KG/SEC-M**2
 INLET QUALITY .191
 INLET ENTHALPY 1.559E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.221 M
 VELOCITY .0166 M/SEC
 QUALITY .472
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.537	.315	696.6	.595	.459

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION			HEAT LOSS
ELEVATION	TEMP	XE	HEAT FLUX		W/M**2
(M)	(K)		W/M**2		W/M**2
.013	569.1	.193	1.52E+04		
.051	573.1	.198	1.54E+04		
.063	568.2	.199	1.51E+04		
.089	575.1	.203	1.54E+04		
.114	568.2	.206	1.50E+04		
.140	564.8	.209	1.48E+04		
.165	563.3	.212	1.47E+04		
.317	571.2	.231	1.57E+04		
.394	586.6	.241	1.70E+04		
.470	591.6	.252	1.84E+04		
.546	593.4	.264	1.86E+04		
.622	579.4	.275	1.73E+04		
.698	599.7	.287	2.03E+04		
.775	596.1	.300	2.02E+04		
.851	622.7	.314	2.35E+04		
.927	623.9	.330	2.87E+04		
1.003	603.6	.351	4.00E+04		
1.067	695.3	.380	7.11E+04		
1.156	757.3	.433	7.25E+04		
1.232	808.0	.479	7.05E+04		
1.257	794.8	.494	7.73E+04		
1.321	896.6	.526	4.39E+04		
1.384	972.9	.548	3.84E+04		
1.460	999.4	.572	3.89E+04		
1.511	1009.1	.588	3.52E+04		
1.562	1006.5	.602	3.50E+04		
1.613	1020.3	.616	3.19E+04		
1.689	1040.1	.635	2.72E+04		
1.765	1047.2	.651	2.38E+04		
1.816	1040.6	.660	2.08E+04		
1.867	1019.6	.669	1.96E+04		
1.918	999.8	.677	1.79E+04		
1.994	980.0	.687	1.34E+04		
2.070	968.3	.694	1.02E+04		

INEL POST-CHF EXPERIMENT NO. 121

POINT SERIAL NO. 3121.060 (TIME= 201.50 SEC)

LOOP PRESSURE[PE-3] 16.12 MPA
 FCV TEMPERATURE[TE-FCV-1T] 609.2 K
 LHP INLET ENTHALPY 1.559E+06 J/KG
 TEST SECTION:
 PRESSURE 7.07 MPA
 SAT TEMP 559.64 K
 MASS FLUX 20.43 KG/SEC-M**2
 INLET QUALITY .191
 INLET ENTHALPY 1.559E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.221 M
 VELOCITY .0166 M/SEC
 QUALITY .472
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.842	.620	855.9	.665	.427

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION			HEAT LOSS
ELEVATION	TEMP	XE	HEAT FLUX		W/M**2
(M)	(K)		W/M**2		W/M**2
.013	569.1	.193	1.52E+04		
.051	573.1	.198	1.54E+04		
.063	568.2	.199	1.51E+04		
.089	575.1	.203	1.54E+04		
.114	568.2	.206	1.50E+04		
.140	564.8	.209	1.48E+04		
.165	563.3	.212	1.47E+04		
.317	571.2	.231	1.57E+04		
.394	586.6	.241	1.70E+04		
.470	591.6	.252	1.84E+04		
.546	593.4	.264	1.86E+04		
.622	579.4	.275	1.73E+04		
.698	599.7	.287	2.03E+04		
.775	596.1	.300	2.02E+04		
.851	622.7	.314	2.35E+04		
.927	623.9	.330	2.87E+04		
1.003	603.6	.351	4.00E+04		
1.067	695.3	.380	7.11E+04		
1.156	757.3	.433	7.25E+04		
1.232	808.0	.479	7.05E+04		
1.257	794.8	.494	7.73E+04		
1.321	896.6	.526	4.39E+04		
1.384	972.9	.548	3.84E+04		
1.460	999.4	.572	3.89E+04		
1.511	1009.1	.588	3.52E+04		
1.562	1006.5	.602	3.50E+04		
1.613	1020.3	.616	3.19E+04		
1.689	1040.1	.635	2.72E+04		
1.765	1047.2	.651	2.38E+04		
1.816	1040.6	.660	2.08E+04		
1.867	1019.6	.669	1.96E+04		
1.918	999.8	.677	1.79E+04		
1.994	980.0	.687	1.34E+04		
2.070	968.3	.694	1.02E+04		

INEL POST-CHF EXPERIMENT NO. 125

POINT SERIAL NO. 1125.011 (TIME= 100.50 SEC)
 [INFERRED VAPOR TEMP]
 LOOP PRESSURE[PE-3] 16.15 MPA
 FCV TEMPERATURE[TE-FCV-1T] 612.1 K
 LHP INLET ENTHALPY 1.581E+06 J/KG
 TEST SECTION:
 PRESSURE 7.07 MPA
 SAT TEMP 559.58 K
 MASS FLUX 30.81 KG/SEC-M**2
 INLET QUALITY .206
 INLET ENTHALPY 1.581E+06 J/KG
 QUENCH FRONT:
 ELEVATION .179 M
 VELOCITY 1082 M/SEC
 QUALITY .277
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

[INFERRED VAPOR TEMP]
 ELEVATION DZQF TV XE XA
 (M) (M) (K)
 1.232 1.052 805.0 .818 .555

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	591.7	.210	5.03E+04	
.051	635.1	.222	6.30E+04	
.063	595.3	.226	4.96E+04	
.089	636.5	.234	6.05E+04	
.114	629.9	.243	7.60E+04	
.140	624.4	.255	9.41E+04	
.165	608.9	.269	1.02E+05	
.317	712.5	.353	9.83E+04	
.394	779.0	.403	1.41E+05	
.470	844.1	.461	1.34E+05	
.546	899.1	.514	1.14E+05	
.622	924.8	.560	1.09E+05	
.698	951.3	.605	1.01E+05	
.775	962.8	.645	9.28E+04	
.851	973.1	.683	8.66E+04	
.927	979.8	.718	8.00E+04	
1.003	975.0	.751	7.54E+04	
1.067	900.6	.773	5.36E+04	2.44E+03
1.156	977.6	.800	5.63E+04	
1.232	966.8	.824	5.63E+04	
1.257	964.4	.832	6.58E+04	
1.321	965.4	.854	5.84E+04	
1.384	1016.2	.875	6.13E+04	
1.461	1025.2	.900	5.82E+04	
1.511	1021.4	.915	4.96E+04	
1.562	1013.4	.929	5.12E+04	
1.613	1021.4	.943	4.71E+04	
1.689	1022.0	.962	4.17E+04	
1.765	1018.9	.978	3.62E+04	
1.816	1009.6	.987	2.91E+04	
1.867	981.2	.995	2.77E+04	
1.918	972.5	1.003	2.70E+04	
1.994	934.5	1.013	2.11E+04	
2.070	927.1	1.021	1.64E+04	

INEL POST-CHF EXPERIMENT NO. 125

POINT SERIAL NO. 2125.011 (TIME= 100.50 SEC)
 [INFERRED VAPOR TEMP]
 LOOP PRESSURE[PE-3] 16.15 MPA
 FCV TEMPERATURE[TE-FCV-1T] 612.1 K
 LHP INLET ENTHALPY 1.581E+06 J/KG
 TEST SECTION:
 PRESSURE 7.07 MPA
 SAT TEMP 559.58 K
 MASS FLUX 30.81 KG/SEC-M**2
 INLET QUALITY .206
 INLET ENTHALPY 1.581E+06 J/KG
 QUENCH FRONT:
 ELEVATION .179 M
 VELOCITY 1082 M/SEC
 QUALITY .277
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

[INFERRED VAPOR TEMP]
 ELEVATION DZQF TV XE XA
 (M) (M) (K)
 1.537 1.357 890.0 .915 .568

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	591.7	.210	5.03E+04	
.051	635.1	.222	6.30E+04	
.063	595.3	.226	4.96E+04	
.089	636.5	.234	6.05E+04	
.114	629.9	.243	7.60E+04	
.140	624.4	.255	9.41E+04	
.165	608.9	.269	1.02E+05	
.317	712.5	.353	9.83E+04	
.394	779.0	.403	1.41E+05	
.470	844.1	.461	1.34E+05	
.546	899.1	.514	1.14E+05	
.622	924.8	.560	1.09E+05	
.698	951.3	.605	1.01E+05	
.775	962.8	.645	9.28E+04	
.851	973.1	.683	8.66E+04	
.927	979.8	.718	8.00E+04	
1.003	975.0	.751	7.54E+04	
1.067	900.6	.773	5.36E+04	2.44E+03
1.156	977.6	.800	5.63E+04	
1.232	966.8	.824	5.63E+04	
1.257	964.4	.832	6.58E+04	
1.321	965.4	.854	5.84E+04	
1.384	1016.2	.875	6.13E+04	
1.460	1025.2	.900	5.82E+04	
1.511	1021.4	.915	4.96E+04	
1.562	1013.4	.929	5.12E+04	
1.613	1021.4	.943	4.71E+04	
1.689	1022.0	.962	4.17E+04	
1.765	1018.9	.978	3.62E+04	
1.816	1009.6	.987	2.91E+04	
1.867	981.2	.995	2.77E+04	
1.918	972.5	1.003	2.70E+04	
1.994	934.5	1.013	2.11E+04	
2.070	927.1	1.021	1.64E+04	

INEL POST-CHF EXPERIMENT NO. 125

POINT SERIAL NO. 1125.021 (TIME= 105.50 SEC)
 (INFERRED VAPOR TEMP)
 LOOP PRESSURE{PE-3} 16.03 MPA
 FCV TEMPERATURE{TE-FCV-11} 612.0 K
 LHP INLET ENTHALPY 1.581E+06 J/KG
 TEST SECTION:
 PRESSURE 7.07 MPA
 SAT TEMP 559.61 K
 MASS FLUX 30.66 KG/SEC-M**2
 INLET QUALITY .206
 INLET ENTHALPY 1.581E+06 J/KG
 QUENCH FRONT:
 ELEVATION .289 M
 VELOCITY .0109 M/SEC
 QUALITY .325
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 (INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.942	782.0	.788	.549

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	588.6	.210	4.84E+04	
.051	628.9	.221	6.02E+04	
.063	592.8	.225	4.79E+04	
.089	611.2	.232	5.67E+04	
.114	600.8	.241	6.93E+04	
.140	589.2	.252	8.33E+04	
.165	584.5	.264	9.00E+04	
.317	802.0	.339	8.76E+04	
.394	747.1	.383	1.23E+05	
.470	805.3	.435	1.23E+05	
.546	866.9	.486	1.18E+05	
.622	904.2	.534	1.08E+05	
.698	933.6	.577	9.82E+04	
.775	947.5	.617	9.09E+04	
.851	959.4	.654	8.52E+04	
.927	967.3	.689	7.92E+04	
1.003	963.6	.721	7.41E+04	
1.067	894.3	.743	5.36E+04	3.39E+03
1.156	971.7	.771	5.67E+04	
1.232	960.4	.795	5.70E+04	
1.257	956.7	.803	6.37E+04	
1.321	959.3	.824	5.64E+04	
1.384	1009.3	.845	6.06E+04	
1.460	1019.9	.869	5.51E+04	
1.511	1017.5	.883	4.75E+04	
1.562	1009.6	.897	4.93E+04	
1.613	1018.5	.910	4.60E+04	
1.689	1020.5	.929	4.06E+04	
1.765	1018.5	.945	3.56E+04	
1.816	1010.8	.954	2.83E+04	
1.867	983.5	.962	2.74E+04	
1.918	975.0	.969	2.64E+04	
1.994	938.5	.979	2.13E+04	
2.070	932.4	.987	1.69E+04	

INEL POST-CHF EXPERIMENT NO. 125

POINT SERIAL NO. 2125.021 (TIME= 105.50 SEC)
 (INFERRED VAPOR TEMP)
 LOOP PRESSURE{PE-3} 16.13 MPA
 FCV TEMPERATURE{TE-FCV-11} 612.1 K
 LHP INLET ENTHALPY 1.581E+06 J/KG
 TEST SECTION:
 PRESSURE 7.07 MPA
 SAT TEMP 559.61 K
 MASS FLUX 30.66 KG/SEC-M**2
 INLET QUALITY .206
 INLET ENTHALPY 1.581E+06 J/KG
 QUENCH FRONT:
 ELEVATION .289 M
 VELOCITY .0109 M/SEC
 QUALITY .325
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 (INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	1.247	867.0	.883	.561

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	588.6	.210	4.84E+04	
.051	628.9	.221	6.02E+04	
.063	592.8	.225	4.79E+04	
.089	611.2	.232	5.67E+04	
.114	600.8	.241	6.93E+04	
.140	589.2	.252	8.33E+04	
.165	584.5	.264	9.00E+04	
.317	802.0	.339	8.76E+04	
.394	747.1	.383	1.23E+05	
.470	805.3	.435	1.23E+05	
.546	866.9	.486	1.18E+05	
.622	904.2	.534	1.08E+05	
.698	933.6	.577	9.82E+04	
.775	947.5	.617	9.09E+04	
.851	959.4	.654	8.52E+04	
.927	967.3	.689	7.92E+04	
1.003	963.6	.721	7.41E+04	
1.067	894.3	.743	5.36E+04	3.39E+03
1.156	971.7	.771	5.67E+04	
1.232	960.4	.795	5.70E+04	
1.257	956.7	.803	6.37E+04	
1.321	959.3	.824	5.64E+04	
1.384	1009.3	.845	6.06E+04	
1.460	1019.9	.869	5.51E+04	
1.511	1017.5	.883	4.75E+04	
1.562	1009.6	.897	4.93E+04	
1.613	1018.5	.910	4.60E+04	
1.689	1020.5	.929	4.06E+04	
1.765	1018.5	.945	3.56E+04	
1.816	1010.8	.954	2.83E+04	
1.867	983.5	.962	2.74E+04	
1.918	975.0	.969	2.64E+04	
1.994	938.5	.979	2.13E+04	
2.070	932.4	.987	1.69E+04	

INEL POST-CHF EXPERIMENT NO. 125

POINT SERIAL NO. 1125.030 (TIME= 109.50 SEC)

LOOP PRESSURE{PE-3} 16.04 MPA
 FCV TEMPERATURE{TE-FCV-1T} 611.9 K
 LHP INLET ENTHALPY 1.580E+06 J/KG
 TEST SECTION:
 PRESSURE 7.06 MPA
 SAT TEMP 559.54 K
 MASS FLUX 30.66 KG/SEC-M**2
 INLET QUALITY .206
 INLET ENTHALPY 1.580E+06 J/KG
 QUENCH FRONT:
 ELEVATION .333 M
 VELOCITY .0109 M/SEC
 QUALITY .339
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)
 1.232 .899 761.8 .779 .555

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2
 .013 586.5 .209 4.76E+04
 .051 624.6 .220 5.83E+04
 .063 591.0 .224 4.69E+04
 .089 608.5 .231 5.47E+04
 .114 598.3 .240 6.55E+04
 .140 586.8 .250 7.74E+04
 .165 582.6 .261 8.32E+04
 .317 723.8 .331 8.19E+04
 .394 816.1 .371 1.12E+05
 .470 781.6 .419 1.14E+05
 .546 837.6 .467 1.14E+05
 .622 884.2 .517 1.21E+05
 .698 919.9 .564 9.92E+04
 .775 935.4 .604 9.31E+04
 .851 948.7 .642 8.63E+04
 .927 957.5 .677 8.14E+04
 1.003 955.1 .711 7.62E+04
 1.067 889.3 .734 5.48E+04 3.08E+03
 1.156 967.1 .761 5.76E+04
 1.232 955.3 .785 5.71E+04
 1.257 951.3 .794 6.44E+04
 1.321 955.6 .815 5.60E+04
 1.384 1004.8 .835 5.86E+04
 1.460 1016.9 .859 5.37E+04
 1.511 1015.5 .873 4.62E+04
 1.562 1007.9 .886 4.73E+04
 1.613 1017.2 .899 4.44E+04
 1.689 1020.2 .917 3.90E+04
 1.765 1019.1 .932 3.41E+04
 1.816 1012.3 .941 2.76E+04
 1.867 985.6 .948 2.71E+04
 1.918 977.4 .956 2.63E+04
 1.994 941.8 .966 2.17E+04
 2.070 936.6 .974 1.74E+04

INEL POST-CHF EXPERIMENT NO. 125

POINT SERIAL NO. 2125.030 (TIME= 109.50 SEC)

LOOP PRESSURE{PE-3} 16.04 MPA
 FCV TEMPERATURE{TE-FCV-1T} 611.9 K
 LHP INLET ENTHALPY 1.580E+06 J/KG
 TEST SECTION:
 PRESSURE 7.06 MPA
 SAT TEMP 559.54 K
 MASS FLUX 30.66 KG/SEC-M**2
 INLET QUALITY .206
 INLET ENTHALPY 1.580E+06 J/KG
 QUENCH FRONT:
 ELEVATION .333 M
 VELOCITY .0109 M/SEC
 QUALITY .339
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)
 1.537 1.204 864.9 .873 .555

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2
 .013 586.5 .209 4.76E+04
 .051 624.6 .220 5.83E+04
 .063 591.0 .224 4.69E+04
 .089 608.5 .231 5.47E+04
 .114 598.3 .240 6.55E+04
 .140 586.8 .250 7.74E+04
 .165 582.6 .261 8.32E+04
 .317 723.8 .331 8.19E+04
 .394 816.1 .371 1.12E+05
 .470 781.6 .419 1.14E+05
 .546 837.6 .467 1.14E+05
 .622 884.2 .517 1.21E+05
 .698 919.9 .564 9.92E+04
 .775 935.4 .604 9.31E+04
 .851 948.7 .642 8.63E+04
 .927 957.5 .677 8.14E+04
 1.003 955.1 .711 7.62E+04
 1.067 889.3 .734 5.48E+04 3.08E+03
 1.156 967.1 .761 5.76E+04
 1.232 955.3 .785 5.71E+04
 1.257 951.3 .794 6.44E+04
 1.321 955.6 .815 5.60E+04
 1.384 1004.8 .835 5.86E+04
 1.460 1016.9 .859 5.37E+04
 1.511 1015.5 .873 4.62E+04
 1.562 1007.9 .886 4.73E+04
 1.613 1017.2 .899 4.44E+04
 1.689 1020.2 .917 3.90E+04
 1.765 1019.1 .932 3.41E+04
 1.816 1012.3 .941 2.76E+04
 1.867 985.6 .948 2.71E+04
 1.918 977.4 .956 2.63E+04
 1.994 941.8 .966 2.17E+04
 2.070 936.6 .974 1.74E+04

INEL POST-CHF EXPERIMENT NO. 125

POINT SERIAL NO. 1125.041 (TIME= 113.50 SEC)
 {INFERRED VAPOR TEMP}
 LOOP PRESSURE(PE-3) 16.06 MPA
 FCV TEMPERATURE(TE-FCV-1T) 611.9 K
 LHP INLET ENTHALPY 1.580E+06 J/KG
 TEST SECTION:
 PRESSURE 7.07 MPA
 SAT TEMP 559.57 K
 MASS FLUX 30.65 KG/SEC-M**2
 INLET QUALITY .206
 INLET ENTHALPY 1.580E+06 J/KG
 QUENCH FRONT:
 ELEVATION .393 M
 VELOCITY .0195 M/SEC
 QUALITY .362
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 {INFERRED VAPOR TEMP}

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.839	744.0	.770	.560

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013	584.7	.209	4.66E+04	
.051	620.9	.220	5.66E+04	
.063	589.5	.223	4.60E+04	
.089	606.2	.230	5.31E+04	
.114	596.2	.239	6.25E+04	
.140	584.9	.248	7.28E+04	
.165	581.1	.259	7.80E+04	
.317	651.1	.324	7.72E+04	
.394	733.9	.362	1.03E+05	
.470	818.2	.406	1.07E+05	
.546	813.2	.452	1.08E+05	
.622	854.7	.501	1.23E+05	
.698	905.5	.549	1.04E+05	
.775	922.2	.591	9.48E+04	
.851	937.5	.629	8.75E+04	
.927	947.0	.665	8.27E+04	
1.003	945.6	.699	7.80E+04	
1.067	883.7	.723	5.63E+04	3.10E+03
1.156	961.9	.751	5.93E+04	
1.232	950.0	.776	5.82E+04	
1.257	945.0	.785	6.69E+04	
1.321	951.1	.807	5.82E+04	
1.384	1000.3	.827	5.97E+04	
1.460	1013.3	.852	5.67E+04	
1.511	1012.9	.867	4.90E+04	
1.562	1005.8	.881	4.96E+04	
1.613	1015.5	.894	4.65E+04	
1.689	1019.9	.912	4.01E+04	
1.765	1019.7	.928	3.53E+04	
1.816	1013.6	.937	2.91E+04	
1.867	987.6	.945	2.80E+04	
1.918	979.4	.953	2.78E+04	
1.994	944.9	.964	2.24E+04	
2.070	940.5	.972	1.83E+04	

INEL POST-CHF EXPERIMENT NO. 125

POINT SERIAL NO. 2125.041 (TIME= 113.50 SEC)
 {INFERRED VAPOR TEMP}
 LOOP PRESSURE(PE-3) 16.06 MPA
 FCV TEMPERATURE(TE-FCV-1T) 611.9 K
 LHP INLET ENTHALPY 1.580E+06 J/KG
 TEST SECTION:
 PRESSURE 7.07 MPA
 SAT TEMP 559.57 K
 MASS FLUX 30.65 KG/SEC-M**2
 INLET QUALITY .206
 INLET ENTHALPY 1.580E+06 J/KG
 QUENCH FRONT:
 ELEVATION .393 M
 VELOCITY .0195 M/SEC
 QUALITY .362
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 {INFERRED VAPOR TEMP}

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	1.144	830.0	.867	.572

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013	584.7	.209	4.66E+04	
.051	620.9	.220	5.66E+04	
.063	589.5	.223	4.60E+04	
.089	606.2	.230	5.31E+04	
.114	596.2	.239	6.25E+04	
.140	584.9	.248	7.28E+04	
.165	581.1	.259	7.80E+04	
.317	651.1	.324	7.72E+04	
.394	733.9	.362	1.03E+05	
.470	818.2	.406	1.07E+05	
.546	813.2	.452	1.08E+05	
.622	854.7	.501	1.23E+05	
.698	905.5	.549	1.04E+05	
.775	922.2	.591	9.48E+04	
.851	937.5	.629	8.75E+04	
.927	947.0	.665	8.27E+04	
1.003	945.6	.699	7.80E+04	
1.067	883.7	.723	5.63E+04	3.10E+03
1.156	961.9	.751	5.93E+04	
1.232	950.0	.776	5.82E+04	
1.257	945.0	.785	6.69E+04	
1.321	951.1	.807	5.82E+04	
1.384	1000.3	.827	5.97E+04	
1.460	1013.3	.852	5.67E+04	
1.511	1012.9	.867	4.90E+04	
1.562	1005.8	.881	4.96E+04	
1.613	1015.5	.894	4.65E+04	
1.689	1019.9	.912	4.01E+04	
1.765	1019.7	.928	3.53E+04	
1.816	1013.6	.937	2.91E+04	
1.867	987.6	.945	2.80E+04	
1.918	979.4	.953	2.78E+04	
1.994	944.9	.964	2.24E+04	
2.070	940.5	.972	1.83E+04	

INEL POST-CHF EXPERIMENT NO. 125

POINT SERIAL NO. 1125.050 { TIME = 116.50 SEC }

LOOP PRESSURE (PE-3) 16.09 MPa
 FCV TEMPERATURE (TE-FCV-11) 611.9 K
 LHP INLET ENTHALPY 1.580E+06 J/KG
 TEST SECTION:
 PRESSURE 7.06 MPa
 SAT TEMP 559.21 K
 MASS FLUX 30.69 KG/SEC-M**2
 INLET QUALITY .206
 INLET ENTHALPY 1.580E+06 J/KG

QUENCH FRONT:
 ELEVATION .448 M
 VELOCITY .0160 M/SEC
 QUALITY .387
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA	HEAT FLUX W/M**2	HEAT LOSS W/M**2
1.232	.784	733.4	.761	.561		

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	XA	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	583.4	.209		4.61E+04	
.051	618.3	.220		5.55E+04	
.063	588.5	.223		4.54E+04	
.089	604.7	.230		5.20E+04	
.114	594.8	.238		6.06E+04	
.140	583.7	.247		7.00E+04	
.165	580.0	.257		7.47E+04	
.317	658.9	.320		7.44E+04	
.394	676.8	.357		9.85E+04	
.470	763.6	.399		1.02E+05	
.546	797.7	.442		1.03E+05	
.622	834.9	.489		1.18E+05	
.698	888.6	.537		1.07E+05	
.775	912.1	.580		9.56E+04	
.851	928.7	.619		8.89E+04	
.927	938.8	.655		8.37E+04	
1.003	938.0	.689		7.96E+04	
1.067	879.2	.713		5.75E+04	
1.156	957.5	.742		6.06E+04	
1.232	945.7	.768		5.93E+04	
1.257	939.5	.777		6.82E+04	
1.321	947.3	.799		5.91E+04	
1.384	996.4	.820		6.09E+04	
1.460	1009.6	.845		5.88E+04	
1.511	1010.0	.861		5.13E+04	
1.562	1003.4	.875		5.17E+04	
1.613	1013.6	.889		4.80E+04	
1.689	1019.1	.908		4.19E+04	
1.765	1019.6	.925		3.70E+04	
1.816	1014.0	.934		3.13E+04	
1.867	988.7	.943		2.97E+04	
1.918	980.4	.951		2.94E+04	
1.994	946.9	.962		2.36E+04	
2.070	943.0	.972		1.96E+04	

2.98E+03

INEL POST-CHF EXPERIMENT NO. 125

POINT SERIAL NO. 2125.051 { TIME = 117.50 SEC }

LOOP PRESSURE (PE-3) 16.10 MPa
 FCV TEMPERATURE (TE-FCV-11) 611.9 K
 LHP INLET ENTHALPY 1.579E+06 J/KG
 TEST SECTION:
 PRESSURE 7.06 MPa
 SAT TEMP 559.53 K
 MASS FLUX 30.67 KG/SEC-M**2
 INLET QUALITY .206
 INLET ENTHALPY 1.579E+06 J/KG

QUENCH FRONT:
 ELEVATION .464 M
 VELOCITY .0160 M/SEC
 QUALITY .393
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA	HEAT FLUX W/M**2	HEAT LOSS W/M**2
1.537	1.073	810.0	.859	.579		

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	XA	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	583.0	.209		4.60E+04	
.051	617.5	.220		5.52E+04	
.063	588.2	.223		4.53E+04	
.089	604.2	.230		5.17E+04	
.114	594.3	.238		6.00E+04	
.140	583.3	.247		6.91E+04	
.165	579.7	.257		7.37E+04	
.317	656.9	.319		7.35E+04	
.394	659.1	.355		9.69E+04	
.470	745.2	.397		1.01E+05	
.546	793.0	.439		1.02E+05	
.622	828.9	.486		1.17E+05	
.698	882.5	.533		1.07E+05	
.775	908.6	.576		9.65E+04	
.851	925.7	.616		8.86E+04	
.927	936.0	.652		8.38E+04	
1.003	935.4	.686		8.04E+04	
1.067	877.6	.711		5.79E+04	
1.156	956.0	.740		6.11E+04	
1.232	944.2	.765		5.97E+04	
1.257	937.6	.774		6.86E+04	
1.321	946.0	.797		5.93E+04	
1.384	995.1	.818		6.10E+04	
1.460	1008.4	.843		5.67E+04	
1.511	1009.0	.859		5.15E+04	
1.562	1002.5	.873		5.19E+04	
1.613	1012.9	.887		4.88E+04	
1.689	1018.8	.907		4.21E+04	
1.765	1019.5	.923		3.72E+04	
1.816	1014.0	.933		3.17E+04	
1.867	988.9	.942		3.01E+04	
1.918	980.7	.950		2.98E+04	
1.994	947.5	.961		2.39E+04	
2.070	943.8	.971		2.00E+04	

2.90E+03

INEL POST-CHF EXPERIMENT NO. 125

POINT SERIAL NO. 1125.061 (TIME= 123.50 SEC)
 {INFERRED VAPOR TEMP}
 LOOP PRESSURE{PE-3} 16.07 MPA
 FCV TEMPERATURE{TE-FCV-1T} 611.8 K
 LHP INLET ENTHALPY 1.579E+06 J/KG
 TEST SECTION:
 PRESSURE 7.06 MPA
 SAT TEMP 559.56 K
 MASS FLUX 30.49 KG/SEC-M**2
 INLET QUALITY .205
 INLET ENTHALPY 1.579E+06 J/KG
 QUENCH FRONT:
 ELEVATION .550 M
 VELOCITY .0130 M/SEC
 QUALITY .404
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
{INFERRED VAPOR TEMP}

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.682	695.0	.721	.557

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	578.7	.209	4.41E+04	
.051	609.2	.219	5.13E+04	
.063	584.5	.222	4.28E+04	
.089	598.4	.228	4.64E+04	
.114	588.1	.235	4.59E+04	
.140	576.4	.241	4.51E+04	
.165	574.7	.247	4.31E+04	
.317	631.6	.293	6.53E+04	
.394	674.2	.325	8.55E+04	
.470	711.8	.363	9.07E+04	
.546	734.1	.402	9.32E+04	
.622	814.5	.444	1.08E+05	
.698	837.3	.489	1.03E+05	
.775	866.6	.532	9.98E+04	
.851	899.6	.572	8.86E+04	
.927	911.7	.609	8.51E+04	
1.003	912.2	.645	8.23E+04	
1.067	863.9	.670	6.05E+04	3.00E+03
1.156	942.6	.701	6.44E+04	
1.232	930.5	.728	6.31E+04	
1.257	920.8	.737	7.13E+04	
1.321	934.3	.761	6.14E+04	
1.384	983.3	.782	6.18E+04	
1.460	998.1	.808	5.88E+04	
1.511	1000.8	.824	5.18E+04	
1.562	995.3	.838	5.21E+04	
1.613	1006.8	.853	4.96E+04	
1.689	1016.3	.872	4.21E+04	
1.765	1019.2	.889	3.69E+04	
1.816	1015.0	.898	3.18E+04	
1.867	991.5	.907	3.15E+04	
1.918	983.3	.916	3.15E+04	
1.994	953.1	.928	2.56E+04	
2.070	951.2	.939	2.20E+04	

INEL POST-CHF EXPERIMENT NO. 125

POINT SERIAL NO. 2125.061 (TIME= 123.50 SEC)
 {INFERRED VAPOR TEMP}
 LOOP PRESSURE{PE-3} 16.07 MPA
 FCV TEMPERATURE{TE-FCV-1T} 611.8 K
 LHP INLET ENTHALPY 1.579E+06 J/KG
 TEST SECTION:
 PRESSURE 7.06 MPA
 SAT TEMP 559.56 K
 MASS FLUX 30.49 KG/SEC-M**2
 INLET QUALITY .205
 INLET ENTHALPY 1.579E+06 J/KG
 QUENCH FRONT:
 ELEVATION .550 M
 VELOCITY .0130 M/SEC
 QUALITY .404
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
{INFERRED VAPOR TEMP}

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.987	785.0	.824	.571

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	578.7	.209	4.41E+04	
.051	609.2	.219	5.13E+04	
.063	584.5	.222	4.28E+04	
.089	598.4	.228	4.64E+04	
.114	588.1	.235	4.59E+04	
.140	576.4	.241	4.51E+04	
.165	574.7	.247	4.31E+04	
.317	631.6	.293	6.53E+04	
.394	674.2	.325	8.55E+04	
.470	711.8	.363	9.07E+04	
.546	734.1	.402	9.32E+04	
.622	814.5	.444	1.08E+05	
.698	837.3	.489	1.03E+05	
.775	866.6	.532	9.98E+04	
.851	899.6	.572	8.86E+04	
.927	911.7	.609	8.51E+04	
1.003	912.2	.645	8.23E+04	
1.067	863.9	.670	6.05E+04	3.00E+03
1.156	942.6	.701	6.44E+04	
1.232	930.5	.728	6.31E+04	
1.257	920.8	.737	7.13E+04	
1.321	934.3	.761	6.14E+04	
1.384	983.3	.782	6.18E+04	
1.460	998.1	.808	5.88E+04	
1.511	1000.8	.824	5.18E+04	
1.562	995.3	.838	5.21E+04	
1.613	1006.8	.853	4.96E+04	
1.689	1016.3	.872	4.21E+04	
1.765	1019.2	.889	3.69E+04	
1.816	1015.0	.898	3.18E+04	
1.867	991.5	.907	3.15E+04	
1.918	983.3	.916	3.15E+04	
1.994	953.1	.928	2.56E+04	
2.070	951.2	.939	2.20E+04	

INEL POST-CHF EXPERIMENT NO. 125

POINT SERIAL NO. 1125.071 (TIME= 128.50 SEC)
 {INFERRED VAPOR TEMP}
 LOOP PRESSURE(PE-3) 16.05 MPA
 FCV TEMPERATURE(TE-FCV-11) 611.7 K
 LHP INLET ENTHALPY 1.578E+06 J/KG
 TEST SECTION:
 PRESSURE 7.06 MPA
 SAT TEMP 559.55 K
 MASS FLUX 30.29 KG/SEC-M**2
 INLET QUALITY .205
 INLET ENTHALPY 1.578E+06 J/KG
 QUENCH FRONT:
 ELEVATION .619 M
 VELOCITY .0145 M/SEC
 QUALITY .419
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 {INFERRED VAPOR TEMP}

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.613	672.0	.711	.567

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	574.5	.208	4.21E+04	
.051	601.0	.217	4.79E+04	
.063	581.2	.221	4.09E+04	
.089	593.3	.227	4.31E+04	
.114	583.7	.233	4.20E+04	
.140	573.0	.238	4.02E+04	
.165	571.8	.244	3.99E+04	
.317	603.4	.285	5.63E+04	
.394	642.0	.313	7.50E+04	
.470	674.4	.346	8.03E+04	
.546	712.5	.381	8.53E+04	
.622	725.7	.421	1.01E+05	
.698	792.7	.463	9.79E+04	
.775	821.2	.505	9.70E+04	
.851	865.0	.545	9.19E+04	
.927	883.9	.584	9.30E+04	
1.003	886.7	.622	8.35E+04	
1.067	848.0	.648	6.64E+04	
1.156	926.8	.682	6.72E+04	
1.232	913.3	.711	7.08E+04	
1.257	901.7	.721	7.28E+04	
1.321	920.5	.745	6.31E+04	
1.384	969.4	.768	6.36E+04	
1.460	986.3	.794	5.98E+04	
1.511	991.4	.810	5.31E+04	
1.562	987.0	.825	5.32E+04	
1.613	999.7	.840	5.08E+04	
1.689	1013.1	.860	4.38E+04	
1.765	1018.9	.878	3.84E+04	
1.816	1016.1	.888	3.35E+04	
1.867	994.0	.898	3.33E+04	
1.918	985.9	.907	3.30E+04	
1.994	958.9	.920	2.75E+04	
2.070	959.0	.931	2.42E+04	

INEL POST-CHF EXPERIMENT NO. 125

POINT SERIAL NO. 2125.071 (TIME= 128.50 SEC)
 {INFERRED VAPOR TEMP}
 LOOP PRESSURE(PE-3) 16.05 MPA
 FCV TEMPERATURE(TE-FCV-11) 611.7 K
 LHP INLET ENTHALPY 1.578E+06 J/KG
 TEST SECTION:
 PRESSURE 7.06 MPA
 SAT TEMP 559.55 K
 MASS FLUX 30.29 KG/SEC-M**2
 INLET QUALITY .205
 INLET ENTHALPY 1.578E+06 J/KG
 QUENCH FRONT:
 ELEVATION .619 M
 VELOCITY .0145 M/SEC
 QUALITY .419
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 {INFERRED VAPOR TEMP}

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.918	762.0	.818	.582

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	574.5	.208	4.21E+04	
.051	601.0	.217	4.79E+04	
.063	581.2	.221	4.09E+04	
.089	593.3	.227	4.31E+04	
.114	583.7	.233	4.20E+04	
.140	573.0	.238	4.02E+04	
.165	571.8	.244	3.99E+04	
.317	603.4	.285	5.63E+04	
.394	642.0	.313	7.50E+04	
.470	674.4	.346	8.03E+04	
.546	712.5	.381	8.53E+04	
.622	725.7	.421	1.01E+05	
.698	792.7	.463	9.79E+04	
.775	821.2	.505	9.70E+04	
.851	865.0	.545	9.19E+04	
.927	883.9	.584	9.30E+04	
1.003	886.7	.622	8.35E+04	
1.067	848.0	.648	6.64E+04	
1.156	926.8	.682	6.72E+04	
1.232	913.3	.711	7.08E+04	
1.257	901.7	.721	7.28E+04	
1.321	920.5	.745	6.31E+04	
1.384	969.4	.768	6.36E+04	
1.460	986.3	.794	5.98E+04	
1.511	991.4	.810	5.31E+04	
1.562	987.0	.825	5.32E+04	
1.613	999.7	.840	5.08E+04	
1.689	1013.1	.860	4.38E+04	
1.765	1018.9	.878	3.84E+04	
1.816	1016.1	.888	3.35E+04	
1.867	994.0	.898	3.33E+04	
1.918	985.9	.907	3.30E+04	
1.994	958.9	.920	2.75E+04	
2.070	959.0	.931	2.42E+04	

INEL POST-CHF EXPERIMENT NO. 125

POINT SERIAL NO. 1125.081 (TIME= 134.50 SEC)
 (INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 16.02 MPA
 FCV TEMPERATURE(TE-FCV-1T) 611.7 K
 LHP INLET ENTHALPY 1.578E+06 J/KG
 TEST SECTION:
 PRESSURE 7.06 MPA
 SAT TEMP 559.55 K
 MASS FLUX 30.11 KG/SEC-M**2
 INLET QUALITY .204
 INLET ENTHALPY 1.578E+06 J/KG
 QUENCH FRONT:
 ELEVATION .702 M
 VELOCITY .0133 M/SEC
 QUALITY .432
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
(INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.530	639.0	.695	.583

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	570.6	.207	4.11E+04	
.051	593.6	.217	4.49E+04	
.063	578.3	.220	3.97E+04	
.089	589.1	.225	4.12E+04	
.114	580.3	.231	4.03E+04	
.140	570.8	.237	3.87E+04	
.165	569.7	.242	3.87E+04	
.317	587.1	.278	4.47E+04	
.394	611.3	.299	5.64E+04	
.470	637.1	.326	6.91E+04	
.546	669.6	.356	7.45E+04	
.622	688.1	.392	9.09E+04	
.698	731.9	.430	8.86E+04	
.775	769.2	.469	9.06E+04	
.851	817.2	.507	9.03E+04	
.927	838.7	.549	1.04E+05	
1.003	849.7	.592	9.85E+04	
1.067	826.2	.623	7.41E+04	
1.156	905.5	.660	7.48E+04	
1.232	883.7	.695	8.89E+04	
1.257	873.0	.707	8.78E+04	
1.321	903.0	.734	6.39E+04	
1.384	952.2	.757	6.40E+04	
1.460	971.3	.783	6.04E+04	
1.511	978.6	.800	5.51E+04	
1.562	975.8	.815	5.56E+04	
1.613	990.1	.831	5.33E+04	
1.689	1007.7	.852	4.72E+04	
1.765	1017.1	.871	4.15E+04	
1.816	1015.9	.882	3.65E+04	
1.867	995.7	.893	3.59E+04	
1.918	987.8	.903	3.60E+04	
1.994	964.5	.917	3.03E+04	
2.070	966.5	.929	2.77E+04	

INEL POST-CHF EXPERIMENT NO. 125

POINT SERIAL NO. 2125.081 (TIME= 134.50 SEC)
 (INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 16.02 MPA
 FCV TEMPERATURE(TE-FCV-1T) 611.7 K
 LHP INLET ENTHALPY 1.578E+06 J/KG
 TEST SECTION:
 PRESSURE 7.06 MPA
 SAT TEMP 559.55 K
 MASS FLUX 30.11 KG/SEC-M**2
 INLET QUALITY .204
 INLET ENTHALPY 1.578E+06 J/KG
 QUENCH FRONT:
 ELEVATION .702 M
 VELOCITY .0133 M/SEC
 QUALITY .432
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
(INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.835	734.0	.808	.594

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	570.6	.207	4.11E+04	
.051	593.6	.217	4.49E+04	
.063	578.3	.220	3.97E+04	
.089	589.1	.225	4.12E+04	
.114	580.3	.231	4.03E+04	
.140	570.8	.237	3.87E+04	
.165	569.7	.242	3.87E+04	
.317	587.1	.278	4.47E+04	
.394	611.3	.299	5.64E+04	
.470	637.1	.326	6.91E+04	
.546	669.6	.356	7.45E+04	
.622	688.1	.392	9.09E+04	
.698	731.9	.430	8.86E+04	
.775	769.2	.469	9.06E+04	
.851	817.2	.507	9.03E+04	
.927	838.7	.549	1.04E+05	
1.003	849.7	.592	9.85E+04	
1.067	826.2	.623	7.41E+04	
1.156	905.5	.660	7.48E+04	
1.232	883.7	.695	8.89E+04	
1.257	873.0	.707	8.78E+04	
1.321	903.0	.734	6.39E+04	
1.384	952.2	.757	6.40E+04	
1.460	971.3	.783	6.04E+04	
1.511	978.6	.800	5.51E+04	
1.562	975.8	.815	5.56E+04	
1.613	990.1	.831	5.33E+04	
1.689	1007.7	.852	4.72E+04	
1.765	1017.1	.871	4.15E+04	
1.816	1015.9	.882	3.65E+04	
1.867	995.7	.893	3.59E+04	
1.918	987.8	.903	3.60E+04	
1.994	964.5	.917	3.03E+04	
2.070	966.5	.929	2.77E+04	

INEL POST-CHF EXPERIMENT NO. 125

POINT SERIAL NO. 2125.091 (TIME= 139.50 SEC)
 {INFERRED VAPOR TEMP}
 LOOP PRESSURE(PE-3) 16.03 MPA
 FCV TEMPERATURE(TE-FCV-1T) 611.6 K
 LHP INLET ENTHALPY 1.577E+06 J/KG
 TEST SECTION:
 PRESSURE 7.06 MPA
 SAT TEMP 559.55 K
 MASS FLUX 30.07 KG/SEC-M**2
 INLET QUALITY .204
 INLET ENTHALPY 1.577E+06 J/KG
 QUENCH FRONT:
 ELEVATION .769 M
 VELOCITY .0135 M/SEC
 QUALITY .435
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
{INFERRED VAPOR TEMP}

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.768	714.0	.792	.598

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	567.7	.207	3.99E+04	
.051	587.4	.216	4.22E+04	
.063	576.0	.219	3.89E+04	
.089	585.8	.224	4.00E+04	
.114	577.6	.230	3.93E+04	
.140	569.2	.236	3.80E+04	
.165	568.1	.241	3.81E+04	
.317	582.3	.275	4.07E+04	
.394	605.3	.292	4.06E+04	
.470	610.4	.311	4.65E+04	
.546	618.6	.332	5.29E+04	
.622	620.0	.361	8.24E+04	
.698	646.1	.398	9.02E+04	
.775	711.9	.438	9.58E+04	
.851	785.0	.479	9.59E+04	
.927	813.2	.525	1.16E+05	
1.003	827.5	.570	9.35E+04	
1.067	810.2	.600	7.29E+04	
1.156	889.3	.637	7.50E+04	
1.232	870.4	.672	9.14E+04	
1.257	857.3	.685	9.11E+04	
1.321	890.2	.714	6.86E+04	
1.384	939.8	.738	6.58E+04	
1.460	960.8	.766	6.52E+04	
1.511	970.0	.784	6.01E+04	
1.562	969.0	.801	5.87E+04	
1.613	984.0	.817	5.60E+04	
1.689	1005.8	.840	4.83E+04	
1.765	1017.4	.859	4.19E+04	
1.816	1017.3	.870	3.84E+04	
1.867	998.5	.881	3.83E+04	
1.918	990.5	.892	3.88E+04	
1.994	970.1	.908	3.23E+04	
2.070	973.9	.921	3.01E+04	

INEL POST-CHF EXPERIMENT NO. 125

POINT SERIAL NO. 2125.101 (TIME= 146.50 SEC)
 {INFERRED VAPOR TEMP}
 LOOP PRESSURE(PE-3) 16.02 MPA
 FCV TEMPERATURE(TE-FCV-1T) 611.7 K
 LHP INLET ENTHALPY 1.578E+06 J/KG
 TEST SECTION:
 PRESSURE 7.06 MPA
 SAT TEMP 559.55 K
 MASS FLUX 30.20 KG/SEC-M**2
 INLET QUALITY .204
 INLET ENTHALPY 1.578E+06 J/KG
 QUENCH FRONT:
 ELEVATION .866 M
 VELOCITY .0142 M/SEC
 QUALITY .444
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
{INFERRED VAPOR TEMP}

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.671	680.0	.783	.618

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	564.8	.207	3.98E+04	
.051	582.9	.216	4.05E+04	
.063	574.1	.219	3.84E+04	
.089	583.0	.224	3.93E+04	
.114	575.4	.230	3.89E+04	
.140	568.1	.235	3.76E+04	
.165	567.0	.241	3.78E+04	
.317	578.9	.274	3.99E+04	
.394	601.5	.291	4.14E+04	
.470	602.6	.309	4.37E+04	
.546	607.7	.328	4.53E+04	
.622	592.0	.348	4.52E+04	
.698	623.0	.370	5.85E+04	
.775	634.3	.399	7.83E+04	
.851	713.3	.435	8.92E+04	
.927	773.8	.481	1.27E+05	
1.003	773.1	.533	1.16E+05	
1.067	778.6	.569	8.60E+04	
1.156	857.9	.612	8.81E+04	
1.232	823.8	.658	1.26E+05	
1.257	812.4	.675	1.12E+05	
1.321	865.2	.707	6.77E+04	
1.384	916.4	.731	6.68E+04	
1.460	939.5	.758	6.19E+04	
1.511	950.4	.775	5.77E+04	
1.562	951.5	.792	5.91E+04	
1.613	968.3	.808	5.68E+04	
1.689	995.9	.831	5.17E+04	
1.765	1012.6	.852	4.34E+04	
1.816	1013.5	.863	3.89E+04	
1.867	995.9	.875	4.06E+04	
1.918	987.9	.886	4.07E+04	
1.994	972.6	.903	3.56E+04	
2.070	978.0	.918	3.41E+04	

INEL POST-CHF EXPERIMENT NO. 125

POINT SERIAL NO. 2125.111 (TIME= 149.50 SEC)
 (INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 16.04 MPA
 FCV TEMPERATURE(TE-FCV-1T) 611.6 K
 LHP INLET ENTHALPY 1.577E+06 J/KG
 TEST SECTION:
 PRESSURE 7.07 MPA
 SAT TEMP 559.60 K
 MASS FLUX 30.34 KG/SEC-M**2
 INLET QUALITY .204
 INLET ENTHALPY 1.577E+06 J/KG
 QUENCH FRONT:
 ELEVATION .938 M
 VELOCITY .0359 M/SEC
 QUALITY .476
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
(INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.598	665.0	.792	.638

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	563.8	.207	4.01E+04	
.051	581.5	.215	4.00E+04	
.063	573.4	.218	3.82E+04	
.089	582.0	.224	3.90E+04	
.114	574.5	.229	3.86E+04	
.140	567.7	.235	3.74E+04	
.165	566.6	.240	3.77E+04	
.317	577.6	.273	3.96E+04	
.394	599.7	.290	4.13E+04	
.470	600.1	.308	4.27E+04	
.546	604.4	.326	4.39E+04	
.622	588.7	.345	4.30E+04	
.698	615.3	.365	5.05E+04	
.775	612.3	.387	5.54E+04	
.851	658.1	.418	8.75E+04	
.927	716.4	.468	1.46E+05	
1.003	771.4	.526	1.29E+05	
1.067	768.7	.565	9.10E+04	
1.156	844.2	.611	9.15E+04	
1.232	802.4	.662	1.51E+05	
1.257	792.3	.682	1.26E+05	
1.321	854.4	.716	6.52E+04	
1.384	906.2	.739	6.63E+04	
1.460	931.0	.766	6.20E+04	
1.511	942.8	.784	5.86E+04	
1.562	944.6	.801	6.08E+04	
1.613	962.5	.817	5.65E+04	
1.689	991.6	.841	5.36E+04	
1.765	1011.4	.862	4.60E+04	
1.816	1013.1	.874	4.12E+04	
1.867	995.5	.886	4.04E+04	
1.918	987.8	.897	4.05E+04	
1.994	973.8	.914	3.61E+04	
2.070	979.8	.929	3.49E+04	

INEL POST-CHF EXPERIMENT NO. 125

POINT SERIAL NO. 2125.121 (TIME= 151.50 SEC)
 (INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 16.01 MPA
 FCV TEMPERATURE(TE-FCV-1T) 611.6 K
 LHP INLET ENTHALPY 1.577E+06 J/KG
 TEST SECTION:
 PRESSURE 7.07 MPA
 SAT TEMP 559.58 K
 MASS FLUX 30.27 KG/SEC-M**2
 INLET QUALITY .204
 INLET ENTHALPY 1.577E+06 J/KG
 QUENCH FRONT:
 ELEVATION .994 M
 VELOCITY .0232 M/SEC
 QUALITY .499
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
(INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.537	.543	655.0	.759	.621

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	562.9	.207	3.96E+04	
.051	580.8	.215	3.99E+04	
.063	573.0	.218	3.84E+04	
.089	581.5	.224	3.90E+04	
.114	574.1	.229	3.87E+04	
.140	567.5	.235	3.77E+04	
.165	566.4	.240	3.77E+04	
.317	577.0	.273	3.96E+04	
.394	598.7	.290	4.12E+04	
.470	598.8	.308	4.24E+04	
.546	603.1	.327	4.37E+04	
.622	587.8	.345	4.29E+04	
.698	613.6	.365	5.04E+04	
.775	611.9	.389	6.00E+04	
.851	647.5	.418	7.71E+04	
.927	677.5	.458	1.09E+05	
1.003	738.2	.504	1.07E+05	
1.067	757.1	.540	9.53E+04	
1.156	836.6	.591	1.07E+05	
1.232	772.0	.643	1.37E+05	
1.257	769.8	.660	1.02E+05	
1.321	851.1	.689	6.04E+04	
1.384	902.3	.710	6.10E+04	
1.460	927.7	.736	5.75E+04	
1.511	939.5	.751	5.35E+04	
1.562	940.3	.767	5.62E+04	
1.613	958.7	.783	5.35E+04	
1.689	988.4	.805	5.01E+04	
1.765	1008.7	.825	4.40E+04	
1.816	1010.5	.837	3.99E+04	
1.867	993.8	.848	4.09E+04	
1.918	985.9	.860	4.04E+04	
1.994	972.9	.876	3.63E+04	
2.070	979.1	.892	3.46E+04	

INEL POST-CHF EXPERIMENT NO. 138

POINT SERIAL NO. 1138.011 (TIME= 30.50 SEC)
 { INFERRED VAPOR TEMP }
 LOOP PRESSURE (PE-3) 15.92 MPA
 FCV TEMPERATURE (TE-FCV-1T) 616.0 K
 LHP INLET ENTHALPY 1.614E+06 J/KG
 TEST SECTION:
 PRESSURE 7.01 MPA
 SAT TEMP 559.02 K
 MASS FLUX 43.24 KG/SEC-M**2
 INLET QUALITY .230
 INLET ENTHALPY 1.614E+06 J/KG
 QUENCH FRONT:
 ELEVATION .194 M
 VELOCITY .1659 M/SEC
 QUALITY .314
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 { INFERRED VAPOR TEMP }

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	1.038	765.0	.706	.502

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	607.2	.232	4.10E+04	
.051	653.4	.239	6.08E+04	
.063	603.2	.242	4.52E+04	
.089	641.5	.248	6.70E+04	
.114	650.2	.258	1.46E+05	
.140	678.4	.277	2.31E+05	
.165	635.7	.298	2.00E+05	
.317	807.2	.383	8.49E+04	
.394	876.1	.413	1.13E+05	
.470	909.6	.447	1.19E+05	
.546	934.0	.482	1.13E+05	
.622	944.3	.515	1.10E+05	
.698	966.8	.547	1.03E+05	
.775	975.5	.577	9.89E+04	
.851	988.7	.605	8.75E+04	
.927	996.3	.631	9.04E+04	
1.003	981.6	.658	8.66E+04	
1.079	946.3	.680	6.07E+04	
1.143	889.1	.693	4.95E+04	
1.181	827.3	.700	3.70E+04	
1.245	843.0	.711	5.51E+04	
1.308	898.3	.727	7.56E+04	
1.384	985.6	.752	8.89E+04	
1.461	985.8	.778	8.37E+04	
1.511	986.4	.794	7.70E+04	
1.562	990.8	.809	7.62E+04	
1.613	999.6	.823	6.91E+04	
1.689	994.0	.843	6.08E+04	
1.765	981.9	.860	5.35E+04	
1.816	960.4	.870	4.71E+04	
1.867	935.8	.878	3.98E+04	
1.918	908.0	.886	3.26E+04	
1.994	889.8	.894	2.57E+04	
2.070	850.0	.901	1.69E+04	

INEL POST-CHF EXPERIMENT NO. 138

POINT SERIAL NO. 1138.021 (TIME= 34.50 SEC)
 { INFERRED VAPOR TEMP }
 LOOP PRESSURE (PE-3) 15.93 MPA
 FCV TEMPERATURE (TE-FCV-1T) 616.1 K
 LHP INLET ENTHALPY 1.614E+06 J/KG
 TEST SECTION:
 PRESSURE 7.01 MPA
 SAT TEMP 559.02 K
 MASS FLUX 43.29 KG/SEC-M**2
 INLET QUALITY .230
 INLET ENTHALPY 1.614E+06 J/KG
 QUENCH FRONT:
 ELEVATION .285 M
 VELOCITY .0117 M/SEC
 QUALITY .332
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 { INFERRED VAPOR TEMP }

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.947	740.0	.664	.485

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	603.2	.232	3.86E+04	
.051	645.6	.239	5.57E+04	
.063	598.9	.242	4.08E+04	
.089	622.7	.246	5.69E+04	
.114	614.5	.254	1.04E+05	
.140	594.7	.267	1.54E+05	
.165	596.7	.281	1.34E+05	
.317	792.2	.346	8.24E+04	
.394	856.1	.375	1.11E+05	
.470	889.2	.408	1.14E+05	
.546	914.7	.441	1.09E+05	
.622	924.8	.474	1.10E+05	
.698	948.8	.506	1.05E+05	
.775	959.1	.536	9.90E+04	
.851	974.8	.564	8.73E+04	
.927	982.1	.590	8.81E+04	
1.003	968.6	.616	8.38E+04	
1.079	938.3	.637	5.94E+04	
1.143	883.2	.651	4.91E+04	
1.181	823.9	.657	3.71E+04	
1.245	834.6	.669	5.63E+04	
1.308	886.4	.685	7.50E+04	
1.384	972.3	.709	8.47E+04	
1.461	973.8	.733	7.74E+04	
1.511	975.5	.748	7.15E+04	
1.562	980.1	.762	7.12E+04	
1.613	990.6	.775	6.33E+04	
1.689	987.3	.793	5.46E+04	
1.765	976.0	.808	5.04E+04	
1.816	955.9	.818	4.39E+04	
1.867	932.5	.826	3.75E+04	
1.918	906.7	.833	2.94E+04	
1.994	890.2	.840	2.18E+04	
2.070	851.9	.846	1.49E+04	

INEL POST-CHF EXPERIMENT NO. 138

POINT SERIAL NO. 1138.031 (TIME= 38.50 SEC)
 {INFERRED VAPOR TEMP}
 LOOP PRESSURE(PE-3) 15.92 MPA
 FCV TEMPERATURE(TE-FCV-1T) 616.2 K
 LHP INLET ENTHALPY 1.615E+06 J/KG
 TEST SECTION:
 PRESSURE 7.01 MPA
 SAT TEMP 559.02 K
 MASS FLUX 43.23 KG/SEC-M**2
 INLET QUALITY .231
 INLET ENTHALPY 1.615E+06 J/KG
 QUENCH FRONT:
 ELEVATION .332 M
 VELOCITY .0117 M/SEC
 QUALITY .299
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 (INFERRED VAPOR TEMP)
 ELEVATION DZQF TV XE XA
 (M) (M) (K) (K) (K)
 1.232 .900 715.0 .610 .460

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) (K) W/M**2 W/M**2

.013	596.8	.232	3.45E+04	
.051	633.0	.239	4.85E+04	
.063	592.4	.241	3.41E+04	
.089	611.6	.244	4.23E+04	
.114	598.6	.249	4.44E+04	
.140	583.7	.253	4.51E+04	
.165	581.8	.257	3.85E+04	
.317	714.7	.293	8.12E+04	
.394	821.2	.325	1.32E+05	
.470	855.6	.360	1.06E+05	
.546	882.2	.392	1.04E+05	
.622	891.3	.423	1.09E+05	
.698	918.0	.455	1.02E+05	
.775	930.6	.484	9.61E+04	
.851	950.6	.512	8.62E+04	
.927	957.9	.537	8.53E+04	
1.003	945.5	.562	8.26E+04	
1.079	924.5	.583	5.79E+04	
1.143	872.8	.597	4.95E+04	
1.181	817.3	.603	3.96E+04	
1.245	819.8	.616	6.16E+04	
1.308	865.9	.633	7.42E+04	
1.384	950.1	.655	7.87E+04	
1.461	953.4	.678	7.46E+04	
1.511	957.7	.692	6.70E+04	
1.562	962.6	.706	6.78E+04	
1.613	975.7	.719	6.10E+04	
1.689	976.6	.735	5.03E+04	
1.765	966.6	.750	4.55E+04	
1.816	949.2	.758	3.75E+04	
1.867	927.5	.765	3.43E+04	
1.918	905.5	.771	2.35E+04	
1.994	892.0	.777	1.58E+04	
2.070	855.7	.781	1.20E+04	

INEL POST-CHF EXPERIMENT NO. 138

POINT SERIAL NO. 1138.041 (TIME= 42.50 SEC)
 {INFERRED VAPOR TEMP}
 LOOP PRESSURE(PE-3) 15.92 MPA
 FCV TEMPERATURE(TE-FCV-1T) 616.2 K
 LHP INLET ENTHALPY 1.616E+06 J/KG
 TEST SECTION:
 PRESSURE 7.01 MPA
 SAT TEMP 559.01 K
 MASS FLUX 43.10 KG/SEC-M**2
 INLET QUALITY .231
 INLET ENTHALPY 1.616E+06 J/KG
 QUENCH FRONT:
 ELEVATION .397 M
 VELOCITY .0213 M/SEC
 QUALITY .310
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 (INFERRED VAPOR TEMP)
 ELEVATION DZQF TV XE XA
 (M) (M) (K) (K) (K)
 1.232 .835 670.0 .604 .483

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) (K) W/M**2 W/M**2

.013	591.3	.233	3.16E+04	
.051	621.2	.238	4.30E+04	
.063	587.4	.240	3.03E+04	
.089	603.4	.243	3.52E+04	
.114	590.8	.247	3.31E+04	
.140	576.9	.250	3.08E+04	
.165	576.3	.253	2.93E+04	
.317	616.0	.282	6.65E+04	
.394	709.1	.309	1.15E+05	
.470	820.5	.345	1.26E+05	
.546	847.3	.383	1.27E+05	
.622	853.6	.417	1.05E+05	
.698	884.1	.448	9.79E+04	
.775	898.7	.477	9.52E+04	
.851	923.9	.503	8.43E+04	
.927	931.2	.529	8.45E+04	
1.003	920.6	.553	7.93E+04	
1.079	909.1	.574	5.73E+04	
1.143	860.6	.587	4.95E+04	
1.181	809.2	.594	4.11E+04	
1.245	801.9	.614	1.26E+05	
1.308	843.6	.639	6.85E+04	
1.384	927.1	.660	7.16E+04	
1.461	933.4	.680	6.37E+04	
1.511	941.1	.692	5.45E+04	
1.562	945.2	.703	5.60E+04	
1.613	961.4	.713	4.91E+04	
1.689	966.2	.727	4.13E+04	
1.765	958.3	.738	3.68E+04	
1.816	943.9	.745	3.06E+04	
1.867	923.2	.751	3.02E+04	
1.918	905.8	.756	1.97E+04	
1.994	895.8	.761	1.26E+04	
2.070	861.0	.764	1.01E+04	

4.51E+02

INEL POST-CHF EXPERIMENT NO. 138

POINT SERIAL NO. 1138.051 (TIME= 46.50 SEC)
 {INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 15.91 MPA
 FCV TEMPERATURE(TE-FCV-1T) 616.2 K
 LHP INLET ENTHALPY 1.616E+06 J/KG
 TEST SECTION:
 PRESSURE 7.01 MPA
 SAT TEMP 559.02 K
 MASS FLUX 43.12 KG/SEC-M**2
 INLET QUALITY .231
 INLET ENTHALPY 1.616E+06 J/KG
 QUENCH FRONT:
 ELEVATION .504 M
 VELOCITY .0305 M/SEC
 QUALITY .349
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

{INFERRED VAPOR TEMP)				
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.232	.728	630.0	.599	.511

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	587.9	.232	2.97E+04	
.051	613.7	.238	3.99E+04	
.063	584.6	.239	2.84E+04	
.089	598.9	.242	3.19E+04	
.114	587.0	.245	3.00E+04	
.140	574.1	.248	2.72E+04	
.165	573.9	.251	2.71E+04	
.317	605.9	.275	5.44E+04	
.394	633.4	.297	8.85E+04	
.470	703.6	.329	1.30E+05	
.546	799.1	.373	1.60E+05	
.622	826.0	.412	1.01E+05	
.698	859.7	.441	9.34E+04	
.775	874.7	.469	9.39E+04	
.851	903.5	.495	8.42E+04	
.927	910.5	.521	8.64E+04	
1.003	901.2	.546	8.01E+04	
1.079	897.2	.567	5.99E+04	
1.143	851.2	.581	5.20E+04	
1.181	801.9	.588	4.33E+04	1.66E+03
1.245	735.8	.614	1.66E+05	
1.308	827.8	.643	6.72E+04	
1.384	911.2	.663	6.91E+04	
1.461	919.0	.683	6.66E+04	
1.511	930.0	.696	5.71E+04	
1.562	933.7	.707	5.80E+04	
1.613	952.1	.718	5.19E+04	
1.689	959.6	.733	4.49E+04	
1.765	953.6	.745	3.74E+04	
1.816	941.3	.752	3.17E+04	
1.867	920.7	.758	3.14E+04	
1.918	906.8	.764	2.19E+04	
1.994	899.2	.769	1.38E+04	
2.070	865.3	.772	1.06E+04	

INEL POST-CHF EXPERIMENT NO. 140

POINT SERIAL NO. 1140.040 (TIME= 95.50 SEC)
 LOOP PRESSURE(PE-3) 15.43 MPA
 FCV TEMPERATURE(TE-FCV-1T) 585.0 K
 LHP INLET ENTHALPY 1.405E+06 J/KG
 TEST SECTION:
 PRESSURE 7.00 MPA
 SAT TEMP 558.98 K
 MASS FLUX 24.81 KG/SEC-M**2
 INLET QUALITY .091
 INLET ENTHALPY 1.405E+06 J/KG
 QUENCH FRONT:
 ELEVATION .703 M
 VELOCITY .0130 M/SEC
 QUALITY .263
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

{INFERRED VAPOR TEMP)				
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.232	.529	762.0	.535	.381

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	573.9	.092	1.64E+04	
.051	583.0	.097	1.88E+04	
.063	572.3	.099	1.59E+04	
.089	581.4	.101	1.68E+04	
.114	573.0	.104	1.62E+04	
.140	566.6	.107	1.51E+04	
.165	565.4	.110	1.51E+04	
.317	585.1	.127	1.87E+04	
.394	609.9	.137	2.00E+04	
.470	623.3	.150	2.77E+04	
.546	647.1	.168	4.26E+04	
.622	635.0	.202	9.02E+04	
.698	779.2	.260	1.30E+05	
.775	882.8	.332	1.50E+05	
.851	953.6	.402	1.18E+05	
.927	999.0	.453	7.86E+04	
1.003	1018.5	.488	5.68E+04	
1.079	978.8	.510	2.95E+04	
1.143	935.7	.522	2.26E+04	
1.181	872.8	.528	2.22E+04	
1.244	883.7	.537	2.14E+04	
1.308	949.4	.546	1.92E+04	
1.384	1029.0	.555	1.52E+04	
1.460	1050.0	.562	1.14E+04	
1.511	1041.6	.565	7.79E+03	
1.562	1043.4	.567	5.93E+03	
1.613	1037.9	.569	3.88E+03	
1.689	1015.9	.570	1.41E+03	
1.765	977.8	.571	-1.00E+02	
1.816	930.7	.571	7.94E+02	
1.867	857.7	.572	7.91E+03	
1.918	832.6	.575	9.85E+03	
1.994	800.4	.580	8.84E+03	
2.070	756.5	.585	1.02E+04	

INEL POST-CHF EXPERIMENT NO. 140

POINT SERIAL NO. 1140.051 (TIME= 100.50 SEC)
 {INFERRED VAPOR TEMP}
 LOOP PRESSURE{PE-3} 15.42 MPA
 FCV TEMPERATURE{TE-FCV-1T} 585.1 K
 LHP INLET ENTHALPY 1.406E+06 J/KG
 TEST SECTION:
 PRESSURE 7.01 MPA
 SAT TEMP 559.02 K
 MASS FLUX 24.57 KG/SEC-M***2
 INLET QUALITY .092
 INLET ENTHALPY 1.406E+06 J/KG
 QUENCH FRONT:
 ELEVATION .774 M
 VELOCITY .0156 M/SEC
 QUALITY .265
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

{INFERRED VAPOR TEMP}				
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.232	.458	710.0	.531	.403

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	572.6	.093	1.59E+04	
.051	580.3	.097	1.79E+04	
.063	571.3	.099	1.56E+04	
.089	579.8	.102	1.58E+04	
.114	571.8	.104	1.59E+04	
.140	566.0	.107	1.48E+04	
.165	564.9	.110	1.48E+04	
.317	582.4	.127	1.79E+04	
.394	606.6	.136	1.90E+04	
.470	616.6	.147	2.28E+04	
.546	633.9	.161	3.08E+04	
.622	611.3	.179	3.46E+04	
.698	679.1	.210	8.62E+04	
.775	756.2	.266	1.26E+05	
.851	892.2	.337	1.45E+05	
.927	953.6	.404	1.11E+05	
1.003	983.5	.457	9.22E+04	
1.079	965.3	.494	4.57E+04	
1.143	927.2	.511	3.60E+04	
1.181	864.9	.520	3.17E+04	
1.244	876.3	.534	2.97E+04	
1.308	945.7	.545	2.11E+04	
1.384	1027.8	.555	1.72E+04	
1.460	1050.5	.563	1.35E+04	
1.511	1044.0	.567	1.04E+04	
1.562	1046.7	.571	9.16E+03	
1.613	1042.4	.574	7.22E+03	
1.689	1021.9	.577	4.55E+03	
1.765	985.0	.579	2.68E+03	
1.816	938.0	.580	3.08E+03	
1.867	862.0	.581	6.74E+03	
1.918	835.9	.584	8.59E+03	
1.994	804.1	.588	7.83E+03	
2.070	759.3	.593	9.47E+03	

INEL POST-CHF EXPERIMENT NO. 140

POINT SERIAL NO. 1140.060 (TIME= 107.50 SEC)
 LOOP PRESSURE{PE-3} 15.33 MPA
 FCV TEMPERATURE{TE-FCV-1T} 585.2 K
 LHP INLET ENTHALPY 1.407E+06 J/KG
 TEST SECTION:
 PRESSURE 7.01 MPA
 SAT TEMP 559.04 K
 MASS FLUX 24.18 KG/SEC-M***2
 INLET QUALITY .092
 INLET ENTHALPY 1.407E+06 J/KG
 QUENCH FRONT:
 ELEVATION .877 M
 VELOCITY .0142 M/SEC
 QUALITY .286
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

{INFERRED VAPOR TEMP}				
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.232	.355	697.6	.493	.380

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	571.1	.094	1.56E+04	
.051	577.3	.098	1.69E+04	
.063	570.1	.099	1.54E+04	
.089	578.2	.102	1.60E+04	
.114	570.3	.105	1.57E+04	
.140	565.4	.108	1.47E+04	
.165	564.1	.110	1.48E+04	
.317	579.3	.127	1.71E+04	
.394	602.4	.137	1.87E+04	
.470	610.1	.147	2.10E+04	
.546	622.1	.160	2.54E+04	
.622	598.9	.173	2.41E+04	
.698	637.5	.189	3.80E+04	
.775	638.4	.216	6.02E+04	
.851	695.2	.263	1.17E+05	
.927	870.5	.331	1.37E+05	
1.003	908.7	.399	1.19E+05	
1.079	935.5	.447	6.19E+04	
1.143	906.9	.471	4.46E+04	
1.181	849.4	.481	3.45E+04	
1.244	862.0	.496	3.15E+04	
1.308	941.1	.508	1.98E+04	
1.384	1026.2	.517	1.60E+04	
1.460	1052.0	.524	1.07E+04	
1.511	1047.5	.528	8.08E+03	
1.562	1050.6	.530	7.04E+03	
1.613	1047.5	.533	5.88E+03	
1.689	1028.6	.535	4.54E+03	
1.765	992.7	.538	3.81E+03	
1.816	945.8	.539	4.55E+03	
1.867	867.8	.541	6.99E+03	
1.918	840.2	.544	9.23E+03	
1.994	809.1	.549	8.47E+03	
2.070	763.3	.554	9.63E+03	

INEL POST-CHF EXPERIMENT NO. 144

POINT SERIAL NO. 1144.040 (TIME= 118.50 SEC)

LOOP PRESSURE(PE-3) 15.29 MPA
 FCV TEMPERATURE(TE-FCV-1T) 552.8 K
 LHP INLET ENTHALPY 1.231E+06 J/KG
 TEST SECTION:
 PRESSURE 7.01 MPA
 SAT TEMP 559.05 K
 MASS FLUX 26.21 KG/SEC-M**2
 INLET QUALITY -.024
 INLET ENTHALPY 1.231E+06 J/KG
 QUENCH FRONT:
 ELEVATION .850 M
 VELOCITY .0197 M/SEC
 QUALITY .180
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA

1.232	.382	721.1	.392	.293
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WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2

.013	568.7	-.023	1.54E+04	
.051	577.9	-.019	1.77E+04	
.063	568.4	-.018	1.50E+04	
.089	577.3	-.015	1.58E+04	
.114	573.5	-.013	1.54E+04	
.140	565.2	-.010	1.45E+04	
.165	564.4	-.008	1.48E+04	
.317	583.2	.008	1.80E+04	
.394	608.4	.018	1.99E+04	
.470	616.1	.029	2.40E+04	
.546	631.9	.042	2.99E+04	
.622	609.5	.058	3.62E+04	
.698	669.3	.086	7.63E+04	
.775	654.5	.128	9.54E+04	
.851	777.4	.181	1.21E+05	
.927	913.8	.244	1.36E+05	
1.003	926.7	.307	1.20E+05	
1.079	949.2	.353	6.46E+04	
1.143	926.0	.374	3.70E+04	
1.181	871.8	.382	3.18E+04	
1.244	885.4	.394	2.68E+04	
1.308	964.2	.404	1.84E+04	
1.384	1047.4	.411	1.30E+04	
1.460	1969.0	.416	6.71E+03	
1.511	1055.8	.418	3.40E+03	
1.562	1054.3	.419	1.94E+03	
1.613	1042.9	.419	6.53E+02	
1.689	1011.4	.419	3.60E+01	
1.765	966.9	.419	1.74E+02	
1.816	909.6	.420	3.14E+03	
1.867	836.1	.422	9.61E+03	
1.918	813.7	.425	1.10E+04	
1.994	780.5	.431	1.00E+04	
2.070	739.1	.436	1.10E+04	

INEL POST-CHF EXPERIMENT NO. 144

POINT SERIAL NO. 1144.050 (TIME= 122.50 SEC)

LOOP PRESSURE(PE-3) 15.30 MPA
 FCV TEMPERATURE(TE-FCV-1T) 552.6 K
 LHP INLET ENTHALPY 1.230E+06 J/KG
 TEST SECTION:
 PRESSURE 7.02 MPA
 SAT TEMP 559.10 K
 MASS FLUX 26.20 KG/SEC-M**2
 INLET QUALITY -.025
 INLET ENTHALPY 1.230E+06 J/KG
 QUENCH FRONT:
 ELEVATION .924 M
 VELOCITY .0174 M/SEC
 QUALITY .192
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA

1.232	.308	696.9	.364	.283
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WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2

.013	568.0	-.024	1.51E+04	
.051	576.1	-.020	1.70E+04	
.063	567.8	-.019	1.49E+04	
.089	576.5	-.016	1.55E+04	
.114	569.7	-.014	1.54E+04	
.140	564.9	-.011	1.44E+04	
.165	564.0	-.009	1.46E+04	
.317	581.2	.007	1.74E+04	
.394	605.5	.016	1.95E+04	
.470	611.5	.026	2.21E+04	
.546	625.0	.038	2.62E+04	
.622	601.2	.051	2.67E+04	
.698	639.8	.069	4.54E+04	
.775	660.2	.097	6.74E+04	
.851	676.0	.137	9.71E+04	
.927	803.3	.194	1.33E+05	
1.003	883.6	.258	1.28E+05	
1.079	920.8	.309	7.74E+04	
1.143	912.4	.336	5.36E+04	
1.181	860.6	.349	5.45E+04	
1.244	877.9	.367	3.43E+04	
1.308	962.5	.378	1.94E+04	
1.384	1048.0	.386	1.26E+04	
1.460	1072.2	.391	6.94E+03	
1.511	1060.4	.393	3.82E+03	
1.562	1059.3	.394	2.51E+03	
1.613	1048.4	.394	1.44E+03	
1.689	1017.3	.395	5.95E+02	
1.765	972.7	.395	1.20E+03	
1.816	914.3	.396	3.63E+03	
1.867	838.2	.398	9.60E+03	
1.918	815.1	.402	1.12E+04	
1.994	782.4	.407	1.03E+04	
2.070	740.5	.412	1.10E+04	

INEL POST-CHF EXPERIMENT NO. 144

POINT SERIAL NO. 1144.060 (TIME= 127.50 SEC)

LOOP PRESSURE(PE-3) 15.30 MPA
 FCV TEMPERATURE(TE-FCV-1T) 552.5 K
 LHP INLET ENTHALPY 1.229E+06 J/KG
 TEST SECTION:
 PRESSURE 7.02 MPA
 SAT TEMP 559.13 K
 MASS FLUX 26.21 KG/SEC-M**2
 INLET QUALITY -.026
 INLET ENTHALPY 1.229E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.004 M
 VELOCITY .0149 M/SEC
 QUALITY .201
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.228	660.1	.343	.279

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION			HEAT LOSS W/M**2
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2		
.013	567.3	-.024	1.49E+04		
.051	574.4	-.021	1.63E+04		
.061	567.3	-.019	1.48E+04		
.089	575.5	-.017	1.54E+04		
.114	568.9	-.014	1.52E+04		
.140	564.5	-.012	1.44E+04		
.165	563.5	-.010	1.46E+04		
.317	579.1	.006	1.70E+04		
.394	602.2	.015	1.89E+04		
.470	606.7	.025	2.15E+04		
.546	618.1	.036	2.38E+04		
.622	594.7	.047	2.24E+04		
.698	625.8	.060	3.11E+04		
.775	623.4	.077	3.80E+04		
.851	669.5	.103	6.41E+04		
.927	728.0	.145	1.08E+05		
1.003	728.3	.200	1.15E+05		
1.079	861.5	.252	9.66E+04		
1.143	879.6	.290	8.96E+04		
1.181	818.8	.315	1.10E+05		
1.244	862.1	.347	4.82E+04		
1.308	957.4	.362	2.42E+04		
1.384	1048.0	.372	1.54E+04		
1.460	1074.3	.378	1.14E+04		
1.511	1064.3	.382	8.34E+03		
1.562	1063.9	.384	7.57E+03		
1.613	1053.7	.387	6.56E+03		
1.689	1023.5	.389	4.55E+03		
1.765	979.0	.392	4.46E+03		
1.816	920.0	.393	5.72E+03		
1.867	841.2	.396	8.81E+03		
1.918	817.2	.399	1.06E+04		
1.994	785.0	.404	9.62E+03		
2.070	742.6	.409	1.05E+04		

INEL POST-CHF EXPERIMENT NO. 150

POINT SERIAL NO. 1150.060 (TIME= 116.50 SEC)

LOOP PRESSURE(PE-3) 16.03 MPA
 FCV TEMPERATURE(TE-FCV-1T) 551.4 K
 LHP INLET ENTHALPY 1.224E+06 J/KG
 TEST SECTION:
 PRESSURE 3.49 MPA
 SAT TEMP 515.52 K
 MASS FLUX 18.55 KG/SEC-M**2
 INLET QUALITY .100
 INLET ENTHALPY 1.224E+06 J/KG
 QUENCH FRONT:
 ELEVATION .772 M
 VELOCITY .0120 M/SEC
 QUALITY .275
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.459	703.1	.482	.382

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION			HEAT LOSS W/M**2
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2		
.013	527.3	.101	1.44E+04		
.051	532.7	.106	1.55E+04		
.063	525.6	.107	1.42E+04		
.089	533.7	.110	1.48E+04		
.114	527.3	.113	1.43E+04		
.140	522.0	.116	1.38E+04		
.165	522.3	.119	1.40E+04		
.317	542.5	.137	1.69E+04		
.394	562.4	.147	1.75E+04		
.470	578.4	.159	2.29E+04		
.546	591.3	.175	2.82E+04		
.622	572.3	.195	3.92E+04		
.698	659.6	.229	7.41E+04		
.775	715.5	.276	8.44E+04		
.851	818.8	.332	1.03E+05		
.927	878.2	.384	7.10E+04		
1.003	899.7	.423	6.12E+04		
1.079	895.2	.452	3.51E+04		
1.143	858.5	.467	2.48E+04		
1.181	821.5	.474	2.16E+04		
1.244	816.2	.484	1.86E+04		
1.308	875.4	.493	1.53E+04		
1.384	922.9	.501	1.19E+04		
1.460	939.4	.507	9.23E+03		
1.511	928.5	.510	7.94E+03		
1.562	928.0	.514	7.32E+03		
1.613	922.8	.516	5.93E+03		
1.689	908.6	.519	3.94E+03		
1.765	891.0	.521	2.38E+03		
1.816	878.1	.522	1.43E+03		
1.867	856.2	.522	4.47E+02		
1.918	826.9	.522	1.10E+03		
1.994	817.8	.522	-1.82E+03		
2.070	735.4	.524	8.26E+03		

INEL POST-CHF EXPERIMENT NO. 150

POINT SERIAL NO. 1150.070 (TIME= 124.50 SEC)

LOOP PRESSURE(PE-3) 16.03 MPA
 FCV TEMPERATURE(TE-FCV-1T) 551.7 K
 LHP INLET ENTHALPY 1.225E+06 J/KG
 TEST SECTION:
 PRESSURE 3.49 MPA
 SAT TEMP 515.48 K
 MASS FLUX 18.39 KG/SEC-M**2
 INLET QUALITY .101
 INLET ENTHALPY 1.225E+06 J/KG
 QUENCH FRONT:
 ELEVATION .860 M
 VELOCITY .0102 M/SEC
 QUALITY .286
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.372	671.8	.471	.380

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	526.4	.102	1.43E+04	
.051	530.8	.107	1.49E+04	
.063	524.8	.108	1.41E+04	
.089	532.5	.111	1.45E+04	
.114	526.3	.114	1.43E+04	
.140	521.6	.117	1.38E+04	
.165	521.8	.119	1.38E+04	
.317	539.3	.137	1.62E+04	
.394	558.0	.148	1.77E+04	
.470	570.3	.159	2.03E+04	
.546	579.5	.172	2.28E+04	
.622	557.5	.185	2.24E+04	
.698	599.1	.203	3.69E+04	
.775	619.4	.213	6.12E+04	
.851	697.0	.280	9.48E+04	
.927	803.8	.336	9.38E+04	
1.003	847.0	.388	7.83E+04	
1.079	869.1	.427	5.05E+04	
1.143	843.4	.449	3.65E+04	
1.181	808.9	.459	3.24E+04	
1.244	806.9	.474	2.73E+04	
1.308	872.3	.485	1.92E+04	
1.384	923.8	.495	1.37E+04	
1.460	942.1	.503	1.16E+04	
1.511	932.6	.507	1.01E+04	
1.562	932.4	.511	9.73E+03	
1.613	928.7	.515	8.25E+03	
1.689	916.5	.519	5.68E+03	
1.765	900.4	.522	3.96E+03	
1.816	888.3	.523	3.15E+03	
1.867	867.5	.524	1.92E+03	
1.918	837.9	.525	2.65E+03	
1.994	831.5	.526	-3.63E+02	
2.070	740.3	.529	8.86E+03	

INEL POST-CHF EXPERIMENT NO. 150

POINT SERIAL NO. 1150.081 (TIME= 130.50 SEC)

{INFERRED VAPOR TEMP}
 LOOP PRESSURE(PE-3) 16.11 MPA
 FCV TEMPERATURE(TE-FCV-1T) 552.0 K
 LHP INLET ENTHALPY 1.227E+06 J/KG
 TEST SECTION:
 PRESSURE 3.49 MPA
 SAT TEMP 515.51 K
 MASS FLUX 18.36 KG/SEC-M**2
 INLET QUALITY .101
 INLET ENTHALPY 1.227E+06 J/KG
 QUENCH FRONT:
 ELEVATION .920 M
 VELOCITY .0098 M/SEC
 QUALITY .293
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.312	650.0	.446	.368

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	525.9	.103	1.42E+04	
.051	529.7	.107	1.47E+04	
.063	524.3	.109	1.43E+04	
.089	531.7	.112	1.43E+04	
.114	525.7	.114	1.42E+04	
.140	521.3	.117	1.37E+04	
.165	521.5	.120	1.38E+04	
.317	537.4	.138	1.58E+04	
.394	554.7	.148	1.76E+04	
.470	565.4	.159	1.94E+04	
.546	573.0	.171	2.10E+04	
.622	551.7	.184	1.98E+04	
.698	585.8	.198	2.70E+04	
.775	582.0	.216	3.26E+04	
.851	636.5	.249	7.71E+04	
.927	747.7	.298	8.55E+04	
1.003	783.3	.349	8.45E+04	
1.079	842.0	.392	5.80E+04	
1.143	825.6	.418	4.38E+04	
1.181	793.8	.430	3.99E+04	
1.244	794.8	.450	3.75E+04	
1.308	867.6	.466	2.56E+04	
1.384	923.1	.478	1.70E+04	
1.460	942.6	.488	1.62E+04	
1.511	934.6	.494	1.28E+04	
1.562	934.6	.499	1.21E+04	
1.613	932.1	.504	1.02E+04	
1.689	921.6	.509	7.09E+03	
1.765	906.8	.513	5.14E+03	
1.816	895.2	.515	4.47E+03	
1.867	875.3	.516	3.06E+03	
1.918	845.2	.518	3.66E+03	
1.994	840.9	.519	5.68E+02	
2.070	743.8	.522	9.02E+03	

INEL POST-CHF EXPERIMENT NO. 150

POINT SERIAL NO. 1150.091 (TIME= 138.50 SEC)
 (INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 16.03 MPA
 FCV TEMPERATURE(TE-FCV-1T) 552.1 K
 LHP INLET ENTHALPY 1.227E+06 J/KG
 TEST SECTION:
 PRESSURE 3.49 MPA
 SAT TEMP 515.45 K
 MASS FLUX 18.31 KG/SEC-M**2
 INLET QUALITY .102
 INLET ENTHALPY 1.227E+06 J/KG
 QUENCH FRONT:
 ELEVATION .996 M
 VELOCITY .0091 M/SEC
 QUALITY .287
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

(INFERRED VAPOR TEMP)
 ELEVATION DZQF TV XE XA
 (M) (M) (K)
 1.232 .236 575.0 .406 .368

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	525.2	.103	1.41E+04	
.051	528.5	.108	1.46E+04	
.063	523.7	.109	1.41E+04	
.089	530.8	.112	1.45E+04	
.114	524.9	.115	1.42E+04	
.140	521.0	.118	1.38E+04	
.165	521.1	.120	1.39E+04	
.317	535.2	.138	1.54E+04	
.394	550.9	.148	1.69E+04	
.470	560.0	.158	1.83E+04	
.546	566.1	.170	1.95E+04	
.622	546.4	.181	1.78E+04	
.698	574.8	.193	2.23E+04	
.775	569.2	.207	2.25E+04	
.851	583.9	.222	2.84E+04	
.927	639.2	.250	6.50E+04	
1.003	660.7	.291	6.92E+04	
1.079	800.3	.329	5.57E+04	
1.143	794.9	.356	5.15E+04	
1.181	754.7	.375	7.80E+04	
1.244	773.1	.414	7.50E+04	
1.308	852.2	.441	3.27E+04	
1.384	915.5	.458	2.60E+04	
1.460	937.1	.473	2.17E+04	
1.511	933.3	.481	1.63E+04	
1.562	934.4	.487	1.50E+04	
1.613	934.0	.492	1.24E+04	
1.689	926.3	.499	9.32E+03	
1.765	913.6	.504	6.91E+03	
1.876	902.9	.506	6.01E+03	
1.877	884.0	.509	4.84E+03	
1.918	853.8	.511	5.17E+03	
1.994	851.7	.513	3.02E+03	
2.070	748.0	.517	9.79E+03	

INEL POST-CHF EXPERIMENT NO. 150

POINT SERIAL NO. 1150.100 (TIME= 146.50 SEC)
 LOOP PRESSURE(PE-3) 16.07 MPA
 FCV TEMPERATURE(TE-FCV-1T) 552.2 K
 LHP INLET ENTHALPY 1.228E+06 J/KG
 TEST SECTION:
 PRESSURE 3.49 MPA
 SAT TEMP 515.46 K
 MASS FLUX 18.35 KG/SEC-M**2
 INLET QUALITY .102
 INLET ENTHALPY 1.228E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.070 M
 VELOCITY .0094 M/SEC
 QUALITY .288
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

(INFERRED VAPOR TEMP)
 ELEVATION DZQF TV XE XA
 (M) (M) (K)
 1.232 .162 540.3 .393 .375

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	524.8	.104	1.41E+04	
.051	527.8	.108	1.45E+04	
.063	523.4	.109	1.39E+04	
.089	530.1	.112	1.44E+04	
.114	524.5	.115	1.40E+04	
.140	520.8	.118	1.38E+04	
.165	520.9	.121	1.39E+04	
.317	533.9	.138	1.52E+04	
.394	548.6	.148	1.66E+04	
.470	556.8	.158	1.77E+04	
.546	562.1	.169	1.87E+04	
.622	543.6	.180	1.70E+04	
.698	569.0	.191	2.04E+04	
.775	563.4	.204	2.03E+04	
.851	576.3	.216	2.01E+04	
.927	594.4	.233	3.57E+04	
1.003	589.6	.260	5.41E+04	
1.079	758.8	.293	5.57E+04	
1.143	761.8	.325	7.17E+04	
1.181	688.3	.351	1.05E+05	
1.244	666.1	.402	9.76E+04	
1.308	838.8	.437	3.91E+04	
1.384	907.3	.458	3.22E+04	
1.460	931.2	.476	2.62E+04	
1.511	931.2	.485	1.91E+04	
1.562	933.3	.492	1.72E+04	
1.613	934.5	.499	1.43E+04	
1.689	928.8	.506	1.09E+04	
1.765	917.6	.512	8.26E+03	
1.816	907.5	.515	7.30E+03	
1.867	889.4	.518	6.32E+03	
1.918	859.1	.520	6.22E+03	
1.994	858.3	.524	4.51E+03	
2.070	750.6	.528	1.02E+04	

INEL POST-CHF EXPERIMENT NO. 154

POINT SERIAL NO. 1154.060 (TIME= 154.50 SEC)

LOOP PRESSURE(PE-3) 16.07 MPA
 FCV TEMPERATURE(TE-FCV-1T) 547.8 K
 LHP INLET ENTHALPY 1.206E+06 J/KG
 TEST SECTION:
 PRESSURE 3.49 MPA
 SAT TEMP 515.60 K
 MASS FLUX 16.64 KG/SEC-M**2
 INLET QUALITY .089
 INLET ENTHALPY 1.206E+06 J/KG
 QUENCH FRONT:
 ELEVATION .775 M
 VELOCITY .0075 M/SEC
 QUALITY .259
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.457	737.4	.507	.383

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	527.9	.091	1.43E+04	
.051	532.3	.096	1.49E+04	
.063	526.3	.097	1.38E+04	
.089	534.2	.100	1.45E+04	
.114	527.6	.104	1.42E+04	
.140	522.4	.107	1.35E+04	
.165	521.3	.110	1.34E+04	
.317	538.0	.129	1.56E+04	
.394	562.9	.140	1.76E+04	
.470	561.3	.152	1.91E+04	
.546	578.8	.167	2.35E+04	
.622	560.2	.182	2.42E+04	
.698	619.2	.208	5.26E+04	
.775	741.9	.259	9.93E+04	
.851	908.4	.329	1.11E+05	
.927	983.7	.392	7.78E+04	
1.003	1019.5	.438	6.03E+04	
1.079	1002.2	.469	3.41E+04	
1.143	971.4	.487	2.89E+04	
1.181	895.2	.496	2.48E+04	
1.244	916.9	.509	2.38E+04	
1.308	985.5	.522	2.06E+04	
1.384	1061.3	.534	1.74E+04	
1.460	1089.4	.545	1.46E+04	
1.511	1084.8	.551	1.23E+04	
1.562	1090.4	.556	1.16E+04	
1.613	1097.2	.561	1.03E+04	
1.689	1094.6	.567	7.74E+03	
1.765	1083.2	.572	5.57E+03	
1.816	1068.2	.574	4.12E+03	
1.867	1044.2	.575	3.82E+03	
1.918	1004.4	.577	3.62E+03	
1.994	990.5	.579	2.33E+03	
2.070	787.7	.583	1.01E+04	

INEL POST-CHF EXPERIMENT NO. 154

POINT SERIAL NO. 1154.070 (TIME= 164.50 SEC)

LOOP PRESSURE(PE-3) 16.06 MPA
 FCV TEMPERATURE(TE-FCV-1T) 547.5 K
 LHP INLET ENTHALPY 1.204E+06 J/KG
 TEST SECTION:
 PRESSURE 3.50 MPA
 SAT TEMP 515.61 K
 MASS FLUX 16.52 KG/SEC-M**2
 INLET QUALITY .088
 INLET ENTHALPY 1.204E+06 J/KG
 QUENCH FRONT:
 ELEVATION .851 M
 VELOCITY .0076 M/SEC
 QUALITY .249
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.381	742.3	.429	.323

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	527.2	.090	1.09E+04	
.051	530.8	.093	1.15E+04	
.063	525.5	.095	1.11E+04	
.089	532.5	.097	1.18E+04	
.114	526.3	.100	1.14E+04	
.140	521.8	.102	1.10E+04	
.165	520.8	.105	1.08E+04	
.317	535.3	.120	1.23E+04	
.394	557.7	.129	1.42E+04	
.470	555.1	.139	1.45E+04	
.546	568.1	.149	1.73E+04	
.622	550.1	.160	1.62E+04	
.698	585.7	.174	2.47E+04	
.775	605.2	.200	5.24E+04	
.851	751.4	.249	9.31E+04	
.927	903.3	.311	9.28E+04	
1.003	964.0	.362	6.15E+04	
1.079	977.9	.394	3.22E+04	
1.143	952.6	.411	2.88E+04	
1.181	881.7	.419	2.31E+04	
1.244	903.5	.432	2.27E+04	
1.308	977.5	.443	1.76E+04	
1.384	1057.0	.454	1.50E+04	
1.460	1087.8	.463	1.22E+04	
1.511	1085.4	.468	1.03E+04	
1.562	1091.6	.473	9.91E+03	
1.613	1099.9	.477	8.42E+03	
1.689	1100.0	.482	6.24E+03	
1.765	1090.7	.485	4.75E+03	
1.816	1077.1	.487	3.82E+03	
1.867	1053.3	.489	3.33E+03	
1.918	1014.5	.490	2.94E+03	
1.994	1002.2	.492	1.80E+03	
2.070	792.1	.495	7.25E+03	

INEL POST-CHF EXPERIMENT NO. 154

POINT SERIAL NO. 1154.080 (TIME= 178.50 SEC)

LOOP PRESSURE{PE-3} 16.08 MPA
 FCV TEMPERATURE{TE-FCV-11} 547.3 K
 LHP INLET ENTHALPY 1.203E+06 J/KG
 TEST SECTION:
 PRESSURE 3.49 MPA
 SAT TEMP 515.56 K
 MASS FLUX 16.52 KG/SEC-M**2
 INLET QUALITY .088
 INLET ENTHALPY 1.203E+06 J/KG
 QUENCH FRONT:
 ELEVATION .955 M
 VELOCITY .0073 M/SEC
 QUALITY .221
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.277	701.8	.358	.280

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	525.9	.089	7.43E+03	
.051	528.8	.091	7.55E+03	
.063	524.1	.092	7.14E+03	
.089	530.3	.094	7.50E+03	
.114	524.7	.095	7.39E+03	
.140	520.8	.097	6.98E+03	
.165	519.9	.099	6.97E+03	
.317	532.1	.109	7.98E+03	
.394	551.3	.115	9.77E+03	
.470	548.7	.121	9.44E+03	
.546	557.6	.128	1.14E+04	
.622	541.8	.135	1.02E+04	
.698	567.6	.143	1.39E+04	
.775	567.8	.153	1.54E+04	
.851	595.8	.166	2.38E+04	
.927	656.7	.201	8.17E+04	
1.003	827.8	.256	7.95E+04	
1.079	926.5	.300	5.36E+04	
1.143	911.2	.328	4.56E+04	
1.181	849.0	.342	3.67E+04	
1.244	872.7	.361	3.32E+04	
1.308	960.3	.377	2.22E+04	
1.384	1047.1	.390	1.65E+04	
1.460	1079.9	.400	1.52E+04	
1.511	1080.6	.407	1.26E+04	
1.562	1087.4	.412	1.23E+04	
1.613	1097.6	.417	1.09E+04	
1.689	1100.7	.424	8.82E+03	
1.765	1093.8	.429	7.15E+03	
1.816	1080.9	.432	6.56E+03	
1.867	1059.1	.435	5.05E+03	
1.918	1020.9	.437	4.58E+03	
1.994	1009.3	.440	4.36E+03	
2.070	797.3	.443	3.01E+03	

INEL POST-CHF EXPERIMENT NO. 154

POINT SERIAL NO. 1154.090 (TIME= 185.50 SEC)

LOOP PRESSURE{PE-3} 16.08 MPA
 FCV TEMPERATURE{TE-FCV-11} 547.5 K
 LHP INLET ENTHALPY 1.204E+06 J/KG
 TEST SECTION:
 PRESSURE 3.49 MPA
 SAT TEMP 515.54 K
 MASS FLUX 16.53 KG/SEC-M**2
 INLET QUALITY .088
 INLET ENTHALPY 1.204E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.004 M
 VELOCITY .0068 M/SEC
 QUALITY .225
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.228	640.7	.345	.291

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	525.2	.089	7.65E+03	
.051	527.9	.092	7.87E+03	
.063	523.6	.093	7.45E+03	
.089	529.7	.094	7.69E+03	
.114	524.1	.096	7.55E+03	
.140	520.5	.098	7.20E+03	
.165	519.7	.099	7.09E+03	
.317	530.9	.110	8.12E+03	
.394	548.6	.116	9.77E+03	
.470	546.3	.122	9.43E+03	
.546	553.6	.129	1.10E+04	
.622	538.9	.136	9.77E+03	
.698	561.7	.144	1.28E+04	
.775	561.0	.152	1.34E+04	
.851	587.8	.161	1.33E+04	
.927	620.3	.183	5.15E+04	
1.003	692.7	.225	7.29E+04	
1.079	880.5	.272	6.94E+04	
1.143	875.7	.308	5.83E+04	
1.181	821.4	.325	4.53E+04	
1.244	848.8	.349	3.99E+04	
1.308	947.7	.367	2.48E+04	
1.384	1039.1	.382	1.90E+04	
1.460	1073.2	.394	1.69E+04	
1.511	1075.9	.401	1.42E+04	
1.562	1083.0	.407	1.35E+04	
1.613	1094.1	.413	1.23E+04	
1.689	1098.8	.421	1.01E+04	
1.765	1093.1	.427	8.14E+03	
1.816	1080.7	.430	7.48E+03	
1.867	1059.9	.434	6.57E+03	
1.918	1022.0	.436	5.75E+03	
1.994	1010.5	.440	5.78E+03	
2.070	800.0	.444	4.12E+03	

INEL POST-CHF EXPERIMENT NO. 154

POINT SERIAL NO. 1154.100 (TIME= 195.50 SEC)

LOOP PRESSURE(PE-3) 16.04 MPA
 FCV TEMPERATURE(TE-FCV-1T) 547.7 K
 LHP INLET ENTHALPY 1.205E+06 J/KG
 TEST SECTION:
 PRESSURE 3.49 MPA
 SAT TEMP 515.55 K
 MASS FLUX 16.52 KG/SEC-M**2
 INLET QUALITY .089
 INLET ENTHALPY 1.205E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.078 M
 VELOCITY .0082 M/SEC
 QUALITY .232
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.153	618.3	.343	.294

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	524.5	.090	8.69E+03	
.051	527.0	.093	8.84E+03	
.063	523.1	.094	8.63E+03	
.089	528.8	.096	8.75E+03	
.114	523.5	.098	8.57E+03	
.140	520.4	.100	8.24E+03	
.165	519.7	.102	8.17E+03	
.317	529.6	.113	9.03E+03	
.394	545.3	.120	1.05E+04	
.470	543.5	.126	1.01E+04	
.546	549.0	.134	1.13E+04	
.622	535.7	.141	1.02E+04	
.698	555.3	.148	1.25E+04	
.775	554.1	.157	1.27E+04	
.851	578.5	.166	1.54E+04	
.927	586.3	.178	2.15E+04	
1.003	571.5	.198	3.62E+04	
1.079	766.1	.232	6.70E+04	
1.143	804.3	.272	7.64E+04	
1.181	749.0	.300	9.22E+04	
1.244	795.8	.354	1.03E+05	
1.308	922.5	.392	3.57E+04	
1.384	1023.0	.414	2.89E+04	
1.460	1058.6	.432	2.65E+04	
1.511	1064.7	.443	2.26E+04	
1.562	1072.6	.453	2.20E+04	
1.613	1085.7	.463	1.96E+04	
1.689	1093.4	.474	1.60E+04	
1.765	1090.2	.484	1.31E+04	
1.816	1079.0	.489	1.13E+04	
1.867	1059.8	.494	9.32E+03	
1.918	1023.2	.498	7.67E+03	
1.994	1011.9	.503	7.35E+03	
2.070	802.7	.508	8.02E+03	

INEL POST-CHF EXPERIMENT NO. 157

POINT SERIAL NO. 1157.041 (TIME= 209.50 SEC)

{ INFRARED VAPOR TEMP }
 LOOP PRESSURE(PE-3) 15.99 MPA
 FCV TEMPERATURE(TE-FCV-1T) 614.0 K
 LHP INLET ENTHALPY 1.597E+06 J/KG
 TEST SECTION:
 PRESSURE .70 MPA
 SAT TEMP 437.94 K
 MASS FLUX 13.52 KG/SEC-M**2
 INLET QUALITY .436
 INLET ENTHALPY 1.597E+06 J/KG
 QUENCH FRONT:
 ELEVATION .319 M
 VELOCITY .0018 M/SEC
 QUALITY .483
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.913	695.0	.641	.505

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	447.5	.438	1.39E+04	
.051	450.3	.443	1.39E+04	
.063	446.8	.444	1.39E+04	
.089	453.6	.447	1.41E+04	
.114	448.1	.451	1.40E+04	
.140	445.7	.454	1.38E+04	
.165	445.5	.457	1.39E+04	
.317	546.8	.483	2.33E+04	
.394	740.4	.499	2.18E+04	
.470	769.0	.513	2.06E+04	
.546	794.9	.528	2.01E+04	
.622	813.0	.542	2.03E+04	
.698	835.5	.556	1.98E+04	
.775	853.8	.569	1.98E+04	
.851	871.1	.583	1.94E+04	
.927	883.8	.596	1.90E+04	
1.003	893.9	.609	1.82E+04	
1.079	871.9	.621	1.69E+04	
1.143	839.2	.631	1.53E+04	1.18E+03
1.181	773.8	.636	1.25E+04	2.78E+03
1.244	752.1	.644	1.60E+04	
1.308	829.0	.653	1.63E+04	
1.384	882.6	.664	1.60E+04	
1.460	892.6	.675	1.59E+04	
1.511	905.1	.683	1.61E+04	
1.562	906.0	.690	1.66E+04	
1.613	923.8	.698	1.65E+04	
1.689	946.1	.709	1.61E+04	
1.765	958.3	.721	1.59E+04	
1.816	953.5	.728	1.52E+04	
1.867	934.0	.735	1.58E+04	
1.918	928.9	.742	1.47E+04	
1.994	929.8	.752	1.38E+04	
2.070	934.7	.761	1.32E+04	

INEL POST-CHF EXPERIMENT NO. 157

POINT SERIAL NO. 1157.050 (TIME= 254.50 SEC)

LOOP PRESSURE(PE-3) 15.95 MPA
 FCV TEMPERATURE(TE-FCV-1T) 614.1 K
 LHP INLET ENTHALPY 1.598E+06 J/KG
 TEST SECTION:
 PRESSURE .70 MPA
 SAT TEMP 438.12 K
 MASS FLUX 13.36 KG/SEC-M**2
 INLET QUALITY .436
 INLET ENTHALPY 1.598E+06 J/KG
 QUENCH FRONT:
 ELEVATION .399 M
 VELOCITY .0018 M/SEC
 QUALITY .496
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.833	616.4	.649	.547

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	446.4	.438	1.38E+04	
.051	448.6	.443	1.39E+04	
.063	445.5	.444	1.38E+04	
.089	451.4	.448	1.39E+04	
.114	446.1	.451	1.39E+04	
.140	445.1	.454	1.38E+04	
.165	444.6	.457	1.38E+04	
.317	456.2	.478	1.54E+04	
.394	541.7	.494	3.14E+04	
.470	727.0	.513	2.34E+04	
.546	758.2	.529	2.17E+04	
.622	777.5	.544	2.16E+04	
.698	802.7	.559	2.11E+04	
.775	823.2	.574	2.02E+04	
.851	844.2	.588	2.01E+04	
.927	858.8	.602	1.99E+04	
1.003	871.7	.616	1.93E+04	
1.079	856.5	.629	1.76E+04	
1.143	825.6	.639	1.59E+04	6.82E+02
1.181	764.7	.644	1.30E+04	2.09E+03
1.244	736.1	.652	1.59E+04	
1.308	816.4	.662	1.67E+04	
1.384	871.5	.674	1.64E+04	
1.460	883.4	.685	1.59E+04	
1.511	895.1	.693	1.62E+04	
1.562	893.5	.700	1.60E+04	
1.613	911.6	.708	1.61E+04	
1.689	934.8	.719	1.61E+04	
1.765	947.3	.730	1.62E+04	
1.816	940.0	.738	1.61E+04	
1.867	916.8	.746	1.78E+04	
1.918	918.7	.754	1.65E+04	
1.994	923.9	.765	1.61E+04	
2.070	933.2	.777	1.55E+04	

INEL POST-CHF EXPERIMENT NO. 157

POINT SERIAL NO. 1157.061 (TIME= 293.50 SEC)

(INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 15.95 MPA
 FCV TEMPERATURE(TE-FCV-1T) 614.3 K
 LHP INLET ENTHALPY 1.600E+06 J/KG
 TEST SECTION:
 PRESSURE .70 MPA
 SAT TEMP 438.19 K
 MASS FLUX 13.49 KG/SEC-M**2
 INLET QUALITY .437
 INLET ENTHALPY 1.600E+06 J/KG
 QUENCH FRONT:
 ELEVATION .469 M
 VELOCITY .0018 M/SEC
 QUALITY .508
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.763	598.0	.646	.552

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	445.8	.439	1.38E+04	
.051	447.8	.444	1.39E+04	
.063	444.9	.445	1.38E+04	
.089	450.3	.448	1.39E+04	
.114	445.2	.452	1.39E+04	
.140	444.7	.455	1.38E+04	
.165	444.1	.458	1.38E+04	
.317	450.6	.478	1.44E+04	
.394	471.6	.489	1.70E+04	
.470	604.8	.508	3.82E+04	
.546	726.5	.528	2.03E+04	
.622	749.0	.542	1.91E+04	
.698	775.0	.556	1.93E+04	
.775	796.7	.569	1.95E+04	
.851	816.5	.583	2.00E+04	
.927	830.7	.597	2.05E+04	
1.003	847.3	.611	2.00E+04	
1.079	839.4	.624	1.84E+04	
1.143	812.2	.635	1.70E+04	6.46E+02
1.181	755.7	.640	1.41E+04	2.02E+03
1.244	722.0	.649	1.63E+04	
1.308	804.9	.659	1.69E+04	
1.384	860.5	.671	1.72E+04	
1.460	875.1	.682	1.66E+04	
1.511	886.0	.690	1.67E+04	
1.562	884.8	.698	1.68E+04	
1.613	902.3	.706	1.70E+04	
1.689	925.9	.717	1.67E+04	
1.765	937.6	.729	1.69E+04	
1.816	928.8	.737	1.61E+04	
1.867	904.9	.745	1.70E+04	
1.918	911.0	.752	1.60E+04	
1.994	917.7	.763	1.59E+04	
2.070	928.8	.774	1.55E+04	

INEL POST-CHF EXPERIMENT NO. 157

POINT SERIAL NO. 1157.070 (TIME= 338.50 SEC)

LOOP PRESSURE(PE-3) 16.03 MPA
 FCV TEMPERATURE(TE-FCV-1T) 614.3 K
 LHP INLET ENTHALPY 1.599E+06 J/KG
 TEST SECTION:
 PRESSURE .70 MPA
 SAT TEMP 438.14 K
 MASS FLUX 13.36 KG/SEC-M**2
 INLET QUALITY .437
 INLET ENTHALPY 1.599E+06 J/KG
 QUENCH FRONT:
 ELEVATION .547 M
 VELOCITY .0017 M/SEC
 QUALITY .519
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)
 1.232 .685 567.4 .641 .563

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013	445.2	.438	1.38E+04	
.051	446.9	.443	1.39E+04	
.063	444.3	.445	1.38E+04	
.089	449.4	.448	1.39E+04	
.114	444.4	.451	1.38E+04	
.140	444.3	.455	1.38E+04	
.165	443.8	.458	1.38E+04	
.317	447.9	.478	1.41E+04	
.394	459.3	.488	1.52E+04	
.470	462.2	.499	1.69E+04	
.546	619.5	.519	4.01E+04	
.622	719.2	.541	2.07E+04	
.698	748.2	.555	1.95E+04	
.775	771.5	.568	1.91E+04	
.851	792.2	.582	1.88E+04	
.927	806.5	.595	1.83E+04	
1.003	824.5	.608	1.83E+04	
1.079	822.2	.620	1.75E+04	
1.143	796.3	.630	1.61E+04	7.47E+02
1.181	744.4	.635	1.34E+04	2.17E+03
1.244	704.7	.644	1.59E+04	
1.308	791.9	.654	1.68E+04	
1.384	848.2	.665	1.66E+04	
1.460	864.7	.677	1.62E+04	
1.511	875.8	.685	1.67E+04	
1.562	872.3	.693	1.79E+04	
1.613	890.1	.701	1.77E+04	
1.689	914.8	.713	1.73E+04	
1.765	928.9	.725	1.68E+04	
1.816	920.9	.733	1.53E+04	
1.867	896.9	.740	1.57E+04	
1.918	905.1	.747	1.54E+04	
1.994	913.9	.758	1.48E+04	
2.070	926.0	.768	1.45E+04	

INEL POST-CHF EXPERIMENT NO. 157

POINT SERIAL NO. 1157.081 (TIME= 386.50 SEC)

{INFERRED VAPOR TEMP}
 LOOP PRESSURE(PE-3) 16.00 MPA
 FCV TEMPERATURE(TE-FCV-1T) 614.1 K
 LHP INLET ENTHALPY 1.598E+06 J/KG
 TEST SECTION:
 PRESSURE .70 MPA
 SAT TEMP 438.15 K
 MASS FLUX 13.30 KG/SEC-M**2
 INLET QUALITY .436
 INLET ENTHALPY 1.598E+06 J/KG
 QUENCH FRONT:
 ELEVATION .625 M
 VELOCITY .0016 M/SEC
 QUALITY .529
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 {INFERRED VAPOR TEMP}
 ELEVATION DZQF TV XE XA
 (M) (M) (K)
 1.232 .607 560.0 .633 .560

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013	445.0	.438	1.39E+04	
.051	446.4	.443	1.39E+04	
.063	444.0	.444	1.38E+04	
.089	449.0	.448	1.39E+04	
.114	444.0	.451	1.38E+04	
.140	444.2	.454	1.38E+04	
.165	443.6	.457	1.38E+04	
.317	446.2	.477	1.40E+04	
.394	452.7	.487	1.45E+04	
.470	452.2	.497	1.46E+04	
.546	465.5	.508	1.66E+04	
.622	600.4	.528	3.88E+04	
.698	719.3	.548	1.94E+04	
.775	746.0	.562	1.88E+04	
.851	769.4	.575	1.80E+04	
.927	786.2	.587	1.79E+04	
1.003	804.9	.600	1.79E+04	
1.079	803.6	.613	1.76E+04	
1.143	779.4	.623	1.58E+04	1.11E+03
1.181	732.9	.628	1.33E+04	2.23E+03
1.244	690.4	.636	1.53E+04	
1.308	777.7	.646	1.70E+04	
1.384	833.3	.658	1.71E+04	
1.460	853.5	.670	1.65E+04	
1.511	858.8	.678	1.78E+04	
1.562	849.1	.686	1.82E+04	
1.613	871.6	.694	1.66E+04	
1.689	900.3	.706	1.62E+04	
1.765	915.0	.717	1.56E+04	
1.816	909.5	.724	1.48E+04	
1.867	886.7	.731	1.56E+04	
1.918	898.1	.739	1.55E+04	
1.994	909.3	.750	1.49E+04	
2.070	923.3	.760	1.44E+04	

INEL POST-CHF EXPERIMENT NO. 157

POINT SERIAL NO. 1157.090 (TIME= 427.50 SEC)
 LOOP PRESSURE(PE-3) 16.04 MPA
 FCV TEMPERATURE(TE-FCV-1T) 614.2 K
 LHP INLET ENTHALPY 1.599E+06 J/KG
 TEST SECTION:
 PRESSURE .70 MPA
 SAT TEMP 438.07 K
 MASS FLUX 13.31 KG/SEC-M**2
 INLET QUALITY .437
 INLET ENTHALPY 1.599E+06 J/KG
 QUENCH FRONT:
 ELEVATION .691 M
 VELOCITY .0016 M/SEC
 QUALITY .538
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE XA
1.232	.541	543.2	.635 .570

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	444.8	.438	1.39E+04	
.051	446.2	.443	1.39E+04	
.063	443.8	.445	1.39E+04	
.089	448.6	.448	1.39E+04	
.114	443.8	.451	1.39E+04	
.140	444.1	.455	1.39E+04	
.165	443.5	.458	1.39E+04	
.317	445.3	.478	1.40E+04	
.394	449.5	.488	1.43E+04	
.470	449.0	.498	1.43E+04	
.546	456.1	.508	1.49E+04	
.622	453.0	.519	1.66E+04	
.698	666.7	.540	4.08E+04	
.775	719.5	.561	1.99E+04	
.851	747.1	.575	1.91E+04	
.927	766.0	.588	1.84E+04	
1.003	784.4	.601	1.84E+04	
1.079	786.7	.614	1.76E+04	
1.143	765.1	.624	1.63E+04	7.30E+02
1.181	723.5	.629	1.38E+04	1.94E+03
1.244	677.5	.638	1.58E+04	
1.308	764.5	.647	1.67E+04	
1.384	820.2	.659	1.66E+04	
1.460	843.0	.671	1.64E+04	
1.511	842.0	.679	1.79E+04	
1.562	829.1	.688	1.89E+04	
1.613	857.8	.696	1.78E+04	
1.689	888.9	.708	1.71E+04	
1.765	906.8	.720	1.63E+04	
1.816	900.8	.728	1.55E+04	
1.867	878.0	.735	1.64E+04	
1.918	890.5	.743	1.61E+04	
1.994	904.0	.754	1.56E+04	
2.070	921.3	.765	1.50E+04	

INEL POST-CHF EXPERIMENT NO. 157

POINT SERIAL NO. 1157.101 (TIME= 484.50 SEC)
 (INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 16.12 MPA
 FCV TEMPERATURE(TE-FCV-1T) 614.3 K
 LHP INLET ENTHALPY 1.599E+06 J/KG
 TEST SECTION:
 PRESSURE .70 MPA
 SAT TEMP 438.14 K
 MASS FLUX 13.25 KG/SEC-M**2
 INLET QUALITY .437
 INLET ENTHALPY 1.599E+06 J/KG
 QUENCH FRONT:
 ELEVATION .774 M
 VELOCITY .0013 M/SEC
 QUALITY .548
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE XA
1.232	.458	510.0	.630 .584

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	444.7	.439	1.40E+04	
.051	446.2	.444	1.40E+04	
.063	443.7	.445	1.40E+04	
.089	448.5	.449	1.40E+04	
.114	443.7	.452	1.40E+04	
.140	444.6	.455	1.40E+04	
.165	443.4	.458	1.40E+04	
.317	444.6	.478	1.41E+04	
.394	447.3	.489	1.42E+04	
.470	446.7	.499	1.41E+04	
.546	450.6	.509	1.44E+04	
.622	446.3	.519	1.43E+04	
.698	462.9	.530	1.62E+04	
.775	613.9	.548	3.53E+04	
.851	714.5	.568	1.98E+04	
.927	737.4	.582	1.92E+04	
1.003	757.9	.595	1.91E+04	
1.079	766.1	.608	1.79E+04	
1.143	747.0	.619	1.70E+04	2.72E+02
1.181	710.6	.624	1.45E+04	1.60E+03
1.244	660.4	.633	1.57E+04	
1.308	747.9	.643	1.67E+04	
1.384	804.8	.655	1.68E+04	
1.460	828.7	.666	1.69E+04	
1.511	816.9	.675	1.93E+04	
1.562	798.4	.684	1.91E+04	
1.613	834.5	.693	1.81E+04	
1.689	870.7	.706	1.78E+04	
1.765	893.3	.718	1.73E+04	
1.816	887.3	.726	1.63E+04	
1.867	864.1	.734	1.69E+04	
1.918	880.3	.742	1.61E+04	
1.994	896.4	.753	1.55E+04	
2.070	915.7	.764	1.55E+04	

INEL POST-CHF EXPERIMENT NO. 157

POINT SERIAL NO. 1157.110 (TIME= 546.50 SEC)

LOOP PRESSURE(PE-3) 16.08 MPA
 FCV TEMPERATURE(TE-FCV-1T) 614.5 K
 LHP INLET ENTHALPY 1.601E+06 J/KG
 TEST SECTION:
 PRESSURE .70 MPA
 SAT TEMP 438.20 K
 MASS FLUX 13.32 KG/SEC-M**2
 INLET QUALITY .438
 INLET ENTHALPY 1.601E+06 J/KG
 QUENCH FRONT:
 ELEVATION .856 M
 VELOCITY .0013 M/SEC
 QUALITY .557
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.232	.376	480.0	.621	.593

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION			HEAT LOSS W/M**2
ELEVATION	TEMP	XE	HEAT FLUX		
(M)	(K)		W/M**2		
.013	444.5	.439	1.40E+04		
.051	445.7	.444	1.40E+04		
.063	443.4	.446	1.40E+04		
.089	448.0	.449	1.40E+04		
.114	443.4	.453	1.40E+04		
.140	443.8	.456	1.40E+04		
.165	443.1	.459	1.40E+04		
.317	444.0	.479	1.40E+04		
.394	445.7	.489	1.41E+04		
.470	445.2	.499	1.41E+04		
.546	447.7	.509	1.42E+04		
.622	443.7	.519	1.41E+04		
.698	452.0	.529	1.45E+04		
.775	454.2	.540	1.53E+04		
.851	563.9	.556	3.07E+04		
.927	708.5	.574	1.88E+04		
1.003	732.5	.587	1.85E+04		
1.079	744.9	.599	1.75E+04		
1.143	727.6	.610	1.72E+04		
1.181	696.9	.615	1.43E+04	1.66E+03	
1.244	642.2	.624	1.52E+04		
1.308	732.8	.633	1.72E+04		
1.384	791.5	.645	1.71E+04		
1.460	817.0	.657	1.66E+04		
1.511	791.5	.665	1.71E+04		
1.562	772.0	.673	1.77E+04		
1.613	814.8	.682	1.76E+04		
1.689	854.4	.694	1.71E+04		
1.765	879.2	.706	1.69E+04		
1.816	875.0	.714	1.59E+04		
1.867	852.6	.721	1.65E+04		
1.918	870.6	.729	1.61E+04		
1.994	890.1	.740	1.58E+04		
2.070	910.8	.751	1.50E+04		

INEL POST-CHF EXPERIMENT NO. 157

POINT SERIAL NO. 1157.120 (TIME= 595.50 SEC)

LOOP PRESSURE(PE-3) 16.11 MPA
 FCV TEMPERATURE(TE-FCV-1T) 614.6 K
 LHP INLET ENTHALPY 1.602E+06 J/KG
 TEST SECTION:
 PRESSURE .70 MPA
 SAT TEMP 438.15 K
 MASS FLUX 13.32 KG/SEC-M**2
 INLET QUALITY .438
 INLET ENTHALPY 1.602E+06 J/KG
 QUENCH FRONT:
 ELEVATION .923 M
 VELOCITY .0014 M/SEC
 QUALITY .568
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.232	.309	474.6	.623	.599

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION			HEAT LOSS W/M**2
ELEVATION	TEMP	XE	HEAT FLUX		
(M)	(K)		W/M**2		
.013	444.5	.440	1.41E+04		
.051	445.7	.445	1.40E+04		
.063	443.4	.446	1.40E+04		
.089	447.8	.450	1.40E+04		
.114	443.6	.453	1.39E+04		
.140	443.8	.456	1.40E+04		
.165	443.2	.460	1.40E+04		
.317	443.6	.480	1.41E+04		
.394	445.0	.490	1.41E+04		
.470	444.4	.500	1.42E+04		
.546	446.4	.510	1.42E+04		
.622	442.9	.520	1.41E+04		
.698	448.9	.530	1.44E+04		
.775	448.4	.540	1.45E+04		
.851	463.7	.551	1.60E+04		
.927	620.1	.569	3.53E+04		
1.003	710.1	.588	1.80E+04		
1.079	727.3	.600	1.71E+04		
1.143	712.3	.610	1.60E+04		
1.181	685.5	.616	1.57E+04		
1.244	628.8	.625	1.49E+04		
1.308	719.7	.634	1.56E+04		
1.384	778.2	.645	1.52E+04		
1.460	805.1	.656	1.54E+04		
1.511	768.8	.664	1.93E+04		
1.562	754.2	.672	1.69E+04		
1.613	798.2	.680	1.65E+04		
1.689	840.0	.692	1.61E+04		
1.765	866.4	.703	1.57E+04		
1.816	861.9	.710	1.48E+04		
1.867	840.8	.717	1.57E+04		
1.918	861.4	.725	1.57E+04		
1.994	881.9	.736	1.52E+04		
2.070	904.9	.747	1.54E+04		

INEL POST-CHF EXPERIMENT NO. 157

POINT SERIAL NO. 3157.120 (TIME= 594.50 SEC)

LOOP PRESSURE{PE-3} 16.11 MPA
 FCV TEMPERATURE{TE-FCV-1T} 614.6 K
 LHP INLET ENTHALPY 1.602E+06 J/KG
 TEST SECTION:
 PRESSURE .70 MPA
 SAT TEMP 438.11 K
 MASS FLUX 13.34 KG/SEC-M**2
 INLET QUALITY .438
 INLET ENTHALPY 1.602E+06 J/KG
 QUENCH FRONT:
 ELEVATION .921 M
 VELOCITY .0014 M/SEC
 QUALITY .568
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	.920	626.4	.713	.595

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	444.5	.440	1.40E+04	
.051	445.7	.445	1.41E+04	
.063	443.4	.446	1.41E+04	
.089	447.8	.450	1.40E+04	
.114	443.6	.453	1.40E+04	
.140	443.8	.456	1.40E+04	
.165	443.2	.460	1.41E+04	
.317	443.6	.480	1.41E+04	
.394	445.0	.490	1.41E+04	
.470	444.4	.500	1.42E+04	
.546	446.4	.510	1.42E+04	
.622	442.9	.520	1.41E+04	
.698	448.9	.530	1.44E+04	
.775	448.4	.540	1.45E+04	
.851	464.0	.551	1.60E+04	
.927	630.0	.569	3.54E+04	
1.003	710.6	.588	1.78E+04	
1.079	727.6	.600	1.70E+04	
1.143	712.5	.610	1.60E+04	
1.181	685.7	.616	1.56E+04	
1.244	629.0	.625	1.49E+04	
1.308	719.9	.634	1.55E+04	
1.384	778.3	.644	1.51E+04	
1.460	805.2	.655	1.54E+04	
1.511	769.4	.663	1.92E+04	
1.562	754.5	.672	1.68E+04	
1.613	798.5	.680	1.64E+04	
1.689	840.2	.691	1.60E+04	
1.765	866.6	.703	1.56E+04	
1.816	862.1	.710	1.47E+04	
1.867	840.9	.717	1.56E+04	
1.918	861.5	.724	1.56E+04	
1.994	882.0	.735	1.52E+04	
2.070	905.0	.746	1.54E+04	

INEL POST-CHF EXPERIMENT NO. 157

POINT SERIAL NO. 3157.130 (TIME= 660.50 SEC)

LOOP PRESSURE{PE-3} 16.13 MPA
 FCV TEMPERATURE{TE-FCV-1T} 614.8 K
 LHP INLET ENTHALPY 1.603E+06 J/KG
 TEST SECTION:
 PRESSURE .70 MPA
 SAT TEMP 438.24 K
 MASS FLUX 13.17 KG/SEC-M**2
 INLET QUALITY .439
 INLET ENTHALPY 1.603E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.003 M
 VELOCITY .0011 M/SEC
 QUALITY .579
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	.839	613.8	.723	.610

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	444.5	.440	1.40E+04	
.051	445.8	.445	1.41E+04	
.063	443.5	.447	1.41E+04	
.089	447.8	.450	1.41E+04	
.114	443.9	.454	1.41E+04	
.140	444.0	.457	1.40E+04	
.165	443.3	.460	1.40E+04	
.317	443.4	.480	1.41E+04	
.394	444.5	.490	1.41E+04	
.470	443.8	.500	1.41E+04	
.546	445.5	.511	1.41E+04	
.622	442.5	.521	1.41E+04	
.698	447.1	.531	1.42E+04	
.775	446.0	.541	1.43E+04	
.851	453.6	.551	1.47E+04	
.927	462.4	.562	1.60E+04	
1.003	586.8	.580	3.29E+04	
1.079	701.9	.597	1.71E+04	
1.143	692.9	.607	1.68E+04	
1.181	669.6	.613	1.67E+04	
1.244	593.2	.626	2.66E+04	
1.308	703.4	.639	1.70E+04	
1.384	762.9	.651	1.67E+04	
1.460	790.5	.663	1.66E+04	
1.511	743.7	.671	1.85E+04	
1.562	733.6	.680	1.74E+04	
1.613	780.2	.688	1.69E+04	
1.689	822.9	.700	1.69E+04	
1.765	851.1	.712	1.65E+04	
1.816	847.0	.720	1.54E+04	
1.867	826.0	.727	1.64E+04	
1.918	848.5	.735	1.62E+04	
1.994	869.8	.747	1.59E+04	
2.070	894.8	.758	1.60E+04	

INEL POST-CHF EXPERIMENT NO. 159

POINT SERIAL NO. 1159.050 (TIME= 80.50 SEC)

LOOP PRESSURE(PE-3) 16.05 MPA
 FCV TEMPERATURE(TE-FCV-11) 616.6 K
 LHP INLET ENTHALPY 1.618E+06 J/KG
 TEST SECTION:
 PRESSURE .70 MPA
 SAT TEMP 437.98 K
 MASS FLUX 61.04 KG/SEC-M**2
 INLET QUALITY .446
 INLET ENTHALPY 1.618E+06 J/KG
 QUENCH FRONT:
 ELEVATION .319 M
 VELOCITY .0055 M/SEC
 QUALITY .478
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.913	651.5	.573	.468

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	461.4	.447	3.95E+04	
.051	471.7	.450	4.21E+04	
.063	458.4	.451	3.90E+04	
.089	470.7	.453	4.03E+04	
.114	462.0	.455	3.98E+04	
.140	454.4	.457	3.90E+04	
.165	458.4	.460	4.89E+04	
.317	644.8	.478	6.99E+04	
.394	779.6	.490	8.47E+04	
.470	851.2	.501	6.08E+04	
.546	872.9	.510	5.45E+04	
.622	887.1	.518	5.24E+04	
.698	901.2	.526	5.01E+04	
.775	913.0	.534	4.92E+04	
.851	925.6	.541	4.81E+04	
.927	932.4	.548	4.70E+04	
1.003	940.4	.556	4.60E+04	
1.079	907.4	.562	4.10E+04	3.44E+02
1.143	879.5	.567	3.70E+04	7.93E+02
1.181	823.3	.570	3.16E+04	4.39E+03
1.244	787.1	.574	3.62E+04	
1.308	866.4	.579	4.12E+04	
1.384	924.9	.586	4.27E+04	
1.460	933.5	.592	4.06E+04	
1.511	946.4	.596	4.17E+04	
1.562	933.6	.601	4.41E+04	
1.613	953.0	.605	4.42E+04	
1.689	978.0	.612	4.32E+04	
1.765	989.8	.619	4.16E+04	
1.816	985.1	.623	3.86E+04	
1.867	952.3	.627	4.14E+04	
1.918	943.8	.631	3.85E+04	
1.994	949.6	.637	3.55E+04	
2.070	946.8	.642	3.35E+04	

INEL POST-CHF EXPERIMENT NO. 159

POINT SERIAL NO. 1159.060 (TIME= 93.50 SEC)

LOOP PRESSURE(PE-3) 16.07 MPA
 FCV TEMPERATURE(TE-FCV-11) 616.5 K
 LHP INLET ENTHALPY 1.617E+06 J/KG
 TEST SECTION:
 PRESSURE .70 MPA
 SAT TEMP 437.88 K
 MASS FLUX 61.06 KG/SEC-M**2
 INLET QUALITY .446
 INLET ENTHALPY 1.617E+06 J/KG
 QUENCH FRONT:
 ELEVATION .392 M
 VELOCITY .0058 M/SEC
 QUALITY .484
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.840	629.9	.573	.477

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	457.8	.447	3.87E+04	
.051	465.0	.450	4.01E+04	
.063	455.6	.451	3.83E+04	
.089	466.3	.453	3.92E+04	
.114	459.0	.455	3.88E+04	
.140	452.1	.457	3.80E+04	
.165	454.0	.459	3.87E+04	
.317	541.0	.474	5.95E+04	
.394	667.5	.485	8.14E+04	
.470	787.3	.497	8.52E+04	
.546	847.0	.508	5.76E+04	
.622	865.2	.517	5.42E+04	
.698	883.2	.525	5.14E+04	
.775	896.7	.533	5.01E+04	
.851	911.0	.541	4.90E+04	
.927	919.3	.548	4.79E+04	
1.003	928.5	.555	4.71E+04	
1.079	901.7	.562	4.29E+04	
1.143	877.7	.567	3.93E+04	1.23E+03
1.181	823.2	.570	3.37E+04	4.87E+03
1.244	784.7	.575	3.87E+04	
1.308	860.9	.580	4.28E+04	
1.384	917.6	.587	4.39E+04	
1.460	929.2	.593	4.19E+04	
1.511	940.6	.598	4.28E+04	
1.562	924.9	.602	4.45E+04	
1.613	944.2	.607	4.45E+04	
1.689	970.5	.614	4.37E+04	
1.765	984.1	.620	4.26E+04	
1.816	980.3	.624	3.96E+04	
1.867	946.9	.629	4.23E+04	
1.918	942.4	.633	3.97E+04	
1.994	951.7	.639	3.76E+04	
2.070	951.9	.645	3.58E+04	

INEL POST-CHF EXPERIMENT NO. 159

POINT SERIAL NO. 1159.070 (TIME= 107.50 SEC)

LOOP PRESSURE(PE-3) 16.06 MPA
 FCV TEMPERATURE(TE-FCV-1T) 616.4 K
 LHP INLET ENTHALPY 1.616E+06 J/KG
 TEST SECTION:
 PRESSURE .70 MPA
 SAT TEMP 437.88 K
 MASS FLUX 61.15 KG/SEC-M**2
 INLET QUALITY .446
 INLET ENTHALPY 1.616E+06 J/KG
 QUENCH FRONT:
 ELEVATION .470 M
 VELOCITY .0054 M/SEC
 QUALITY .492
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.762	607.1	.572	.485

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	455.5	.447	3.82E+04	
.051	461.0	.450	3.90E+04	
.063	454.1	.450	3.79E+04	
.089	463.8	.452	3.85E+04	
.114	456.9	.454	3.83E+04	
.140	451.4	.456	3.77E+04	
.165	452.1	.458	3.81E+04	
.317	476.7	.471	4.42E+04	
.394	551.2	.480	7.29E+04	
.470	684.8	.492	8.57E+04	
.546	785.0	.505	8.33E+04	
.622	839.3	.516	9.62E+04	
.698	863.1	.524	5.16E+04	
.775	879.2	.532	4.96E+04	
.851	895.8	.539	4.81E+04	
.927	905.7	.547	4.70E+04	
1.003	916.3	.554	4.62E+04	
1.079	895.1	.561	4.26E+04	1.62E+02
1.143	873.4	.566	3.87E+04	2.11E+03
1.181	821.3	.569	3.32E+04	5.51E+03
1.244	780.2	.573	3.87E+04	
1.308	854.7	.578	4.21E+04	
1.384	910.0	.585	4.29E+04	
1.460	924.1	.591	4.15E+04	
1.511	934.9	.596	4.18E+04	
1.562	917.1	.600	4.29E+04	
1.613	936.4	.604	4.28E+04	
1.689	963.7	.611	4.23E+04	
1.765	978.8	.617	4.13E+04	
1.816	975.9	.622	3.84E+04	
1.867	942.1	.626	4.11E+04	
1.918	941.0	.630	3.90E+04	
1.994	953.1	.636	3.73E+04	
2.070	955.5	.641	3.61E+04	

INEL POST-CHF EXPERIMENT NO. 159

POINT SERIAL NO. 1159.080 (TIME= 120.50 SEC)

LOOP PRESSURE(PE-3) 15.97 MPA
 FCV TEMPERATURE(TE-FCV-1T) 616.4 K
 LHP INLET ENTHALPY 1.617E+06 J/KG
 TEST SECTION:
 PRESSURE .70 MPA
 SAT TEMP 437.84 K
 MASS FLUX 61.10 KG/SEC-M**2
 INLET QUALITY .446
 INLET ENTHALPY 1.617E+06 J/KG
 QUENCH FRONT:
 ELEVATION .541 M
 VELOCITY .0054 M/SEC
 QUALITY .498
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.691	583.9	.571	.494

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	453.8	.447	3.82E+04	
.051	458.4	.450	3.86E+04	
.063	452.9	.451	3.79E+04	
.089	461.6	.453	3.84E+04	
.114	455.1	.455	3.82E+04	
.140	450.5	.456	3.77E+04	
.165	450.8	.458	3.78E+04	
.317	468.3	.471	4.09E+04	
.394	493.2	.477	4.39E+04	
.470	565.6	.487	8.03E+04	
.546	708.4	.499	8.56E+04	
.622	779.4	.512	7.59E+04	
.698	841.5	.522	5.49E+04	
.775	861.5	.530	5.16E+04	
.851	880.9	.538	4.94E+04	
.927	892.6	.545	4.80E+04	
1.003	904.3	.553	4.72E+04	
1.079	888.0	.560	4.39E+04	
1.143	868.0	.565	4.07E+04	1.86E+03
1.181	818.1	.568	3.51E+04	5.12E+03
1.244	775.2	.573	4.00E+04	
1.308	848.8	.578	4.29E+04	
1.384	903.2	.585	4.35E+04	
1.460	919.2	.591	4.23E+04	
1.511	929.4	.596	4.26E+04	
1.562	910.4	.600	4.33E+04	
1.613	929.7	.605	4.34E+04	
1.689	957.8	.611	4.27E+04	
1.765	974.1	.618	4.20E+04	
1.816	971.9	.622	3.90E+04	
1.867	938.1	.626	4.14E+04	
1.918	939.6	.630	3.98E+04	
1.994	953.8	.636	3.85E+04	
2.070	957.9	.642	3.72E+04	

INEL POST-CHF EXPERIMENT NO. 159

POINT SERIAL NO. 3159.110 (TIME= 161.50 SEC)

LOOP PRESSURE(PE-3) 16.11 MPA
 FCV TEMPERATURE(TE-FCV-1T) 616.3 K
 LHP INLET ENTHALPY 1.615E+06 J/KG
 TEST SECTION:
 PRESSURE .70 MPA
 SAT TEMP 437.88 K
 MASS FLUX 61.37 KG/SEC-M**2
 INLET QUALITY .445
 INLET ENTHALPY 1.615E+06 J/KG
 QUENCH FRONT:
 ELEVATION .774 M
 VELOCITY .0065 M/SEC
 QUALITY .517
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.068	678.6	.626	.501

WALL TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	450.9	.446	3.81E+04	
.051	454.3	.449	3.82E+04	
.063	450.5	.450	3.81E+04	
.089	457.7	.452	3.82E+04	
.114	452.0	.454	3.81E+04	
.140	449.2	.456	3.79E+04	
.165	449.2	.458	3.80E+04	
.317	457.5	.469	3.88E+04	
.394	472.7	.475	4.03E+04	
.470	472.4	.482	4.04E+04	
.546	486.4	.488	4.37E+04	
.622	476.1	.495	4.81E+04	
.698	576.4	.505	7.59E+04	
.775	677.6	.517	8.60E+04	
.851	768.2	.531	9.32E+04	
.927	835.5	.542	5.92E+04	
1.003	854.0	.551	5.34E+04	
1.079	855.1	.559	4.83E+04	
1.143	837.4	.565	4.69E+04	6.25E+02
1.181	797.4	.568	4.07E+04	3.52E+03
1.244	745.3	.574	4.46E+04	
1.308	820.8	.580	4.68E+04	
1.384	874.4	.587	4.69E+04	
1.460	896.1	.594	4.55E+04	
1.511	904.8	.598	4.59E+04	
1.562	883.3	.603	4.64E+04	
1.613	903.1	.608	4.62E+04	
1.689	933.7	.615	4.57E+04	
1.765	953.3	.622	4.49E+04	
1.816	952.7	.626	4.23E+04	
1.867	920.5	.631	4.43E+04	
1.918	927.8	.635	4.31E+04	
1.994	945.9	.642	4.26E+04	
2.070	955.1	.648	4.15E+04	

INEL POST-CHF EXPERIMENT NO. 159

POINT SERIAL NO. 3159.120 (TIME= 172.50 SEC)

LOOP PRESSURE(PE-3) 16.12 MPA
 FCV TEMPERATURE(TE-FCV-1T) 616.3 K
 LHP INLET ENTHALPY 1.615E+06 J/KG
 TEST SECTION:
 PRESSURE .70 MPA
 SAT TEMP 437.89 K
 MASS FLUX 61.36 KG/SEC-M**2
 INLET QUALITY .445
 INLET ENTHALPY 1.615E+06 J/KG
 QUENCH FRONT:
 ELEVATION .843 M
 VELOCITY .0060 M/SEC
 QUALITY .524
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	.999	668.6	.628	.506

WALL TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	450.4	.446	3.81E+04	
.051	453.7	.449	3.82E+04	
.063	450.1	.450	3.81E+04	
.089	457.1	.452	3.83E+04	
.114	451.5	.454	3.82E+04	
.140	449.0	.456	3.79E+04	
.165	449.0	.457	3.80E+04	
.317	456.1	.469	3.87E+04	
.394	469.3	.475	4.00E+04	
.470	469.3	.481	3.97E+04	
.546	479.3	.488	4.20E+04	
.622	467.2	.494	4.20E+04	
.698	508.2	.502	5.69E+04	
.775	575.3	.512	8.17E+04	
.851	708.9	.526	9.29E+04	
.927	787.2	.539	7.72E+04	
1.003	833.9	.549	5.71E+04	
1.079	842.4	.557	5.01E+04	
1.143	825.8	.563	4.89E+04	
1.181	789.0	.567	4.15E+04	3.83E+03
1.244	734.5	.572	4.49E+04	
1.308	810.6	.578	4.74E+04	
1.384	864.3	.586	4.75E+04	
1.460	887.8	.593	4.61E+04	
1.511	896.2	.597	4.65E+04	
1.562	873.9	.602	4.69E+04	
1.613	894.1	.607	4.67E+04	
1.689	925.3	.614	4.62E+04	
1.765	945.6	.621	4.56E+04	
1.816	945.4	.626	4.29E+04	
1.867	913.6	.630	4.51E+04	
1.918	922.4	.635	4.38E+04	
1.994	941.0	.641	4.34E+04	
2.070	951.4	.648	4.25E+04	

INEL POST-CHF EXPERIMENT NO. 159

POINT SERIAL NO. 3159.130 (TIME= 186.50 SEC)

LOOP PRESSURE(PE-3) 16.08 MPA
 FCV TEMPERATURE(TE-FCV-1T) 616.4 K
 LHP INLET ENTHALPY 1.616E+06 J/KG
 TEST SECTION:
 PRESSURE .70 MPA
 SAT TEMP 437.97 K
 MASS FLUX 61.37 KG/SEC-M**2
 INLET QUALITY .445
 INLET ENTHALPY 1.616E+06 J/KG
 QUENCH FRONT:
 ELEVATION .924 M
 VELOCITY .0056 M/SEC
 QUALITY .531
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	.917	650.5	.627	.515

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	449.9	.446	3.81E+04	
.051	453.1	.449	3.82E+04	
.063	449.8	.450	3.81E+04	
.089	456.4	.452	3.83E+04	
.114	450.9	.454	3.83E+04	
.140	448.8	.456	3.81E+04	
.165	448.7	.458	3.81E+04	
.317	454.6	.470	3.86E+04	
.394	465.7	.476	3.97E+04	
.470	466.1	.482	3.98E+04	
.546	472.9	.488	4.09E+04	
.622	461.4	.494	4.02E+04	
.698	488.3	.501	4.49E+04	
.775	492.0	.508	5.19E+04	
.851	565.4	.519	8.64E+04	
.927	703.4	.532	8.08E+04	
1.003	755.2	.544	7.98E+04	
1.079	822.4	.554	5.35E+04	
1.143	808.5	.561	5.09E+04	
1.181	775.9	.564	4.78E+04	
1.244	719.9	.570	4.54E+04	
1.308	796.6	.576	4.80E+04	
1.384	850.5	.584	4.82E+04	
1.460	876.4	.591	4.68E+04	
1.511	884.2	.596	4.71E+04	
1.562	861.1	.601	4.76E+04	
1.613	881.7	.606	4.73E+04	
1.689	913.9	.613	4.67E+04	
1.765	935.0	.620	4.64E+04	
1.816	934.9	.624	4.37E+04	
1.867	903.7	.629	4.60E+04	
1.918	914.6	.634	4.46E+04	
1.994	933.7	.640	4.43E+04	
2.070	945.4	.647	4.36E+04	

INEL POST-CHF EXPERIMENT NO. 159

POINT SERIAL NO. 3159.140 (TIME= 198.50 SEC)

LOOP PRESSURE(PE-3) 16.02 MPA
 FCV TEMPERATURE(TE-FCV-1T) 616.5 K
 LHP INLET ENTHALPY 1.617E+06 J/KG
 TEST SECTION:
 PRESSURE .70 MPA
 SAT TEMP 437.88 K
 MASS FLUX 61.41 KG/SEC-M**2
 INLET QUALITY .446
 INLET ENTHALPY 1.617E+06 J/KG
 QUENCH FRONT:
 ELEVATION .993 M
 VELOCITY .0059 M/SEC
 QUALITY .535
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	.848	628.2	.622	.519

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	449.5	.447	3.83E+04	
.051	452.6	.450	3.84E+04	
.063	449.5	.451	3.82E+04	
.089	455.9	.453	3.84E+04	
.114	450.4	.455	3.83E+04	
.140	448.7	.457	3.81E+04	
.165	448.6	.458	3.81E+04	
.317	453.6	.470	3.85E+04	
.394	463.2	.476	3.94E+04	
.470	463.3	.482	3.96E+04	
.546	468.8	.488	4.03E+04	
.622	458.2	.494	3.97E+04	
.698	479.4	.501	4.25E+04	
.775	479.4	.507	4.35E+04	
.851	498.1	.515	5.25E+04	
.927	586.7	.525	7.72E+04	
1.003	666.7	.536	7.73E+04	
1.079	784.7	.547	6.76E+04	
1.143	790.7	.555	5.31E+04	
1.181	762.3	.559	4.96E+04	
1.244	706.7	.565	4.59E+04	
1.308	784.0	.571	4.82E+04	
1.384	838.0	.579	4.86E+04	
1.460	866.0	.586	4.71E+04	
1.511	873.4	.591	4.76E+04	
1.562	849.5	.596	4.80E+04	
1.613	870.8	.601	4.75E+04	
1.689	903.5	.608	4.73E+04	
1.765	925.3	.615	4.68E+04	
1.816	925.5	.620	4.41E+04	
1.867	894.4	.624	4.65E+04	
1.918	907.2	.629	4.51E+04	
1.994	926.5	.636	4.49E+04	
2.070	939.2	.643	4.42E+04	

INEL POST-CHF EXPERIMENT NO. 159

POINT SERIAL NO. 3159.150 (TIME= 214.50 SEC)

LOOP PRESSURE(PE-3) 16.10 MPA
 FCV TEMPERATURE(TE-FCV-1T) 616.4 K
 LHP INLET ENTHALPY 1.616E+06 J/KG
 TEST SECTION:
 PRESSURE .70 MPA
 SAT TEMP 437.92 K
 MASS FLUX 61.42 KG/SEC-M**2
 INLET QUALITY .445
 INLET ENTHALPY 1.616E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.084 M
 VELOCITY .0055 M/SEC
 QUALITY .541
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.841	.757	605.5	.621	.528

WALL TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	449.1	.446	3.83E+04	
.051	452.1	.449	3.84E+04	
.063	449.1	.450	3.83E+04	
.089	455.2	.452	3.84E+04	
.114	444.8	.454	3.83E+04	
.140	448.5	.456	3.82E+04	
.165	448.3	.458	3.82E+04	
.317	452.4	.470	3.86E+04	
.394	460.3	.476	3.93E+04	
.470	460.3	.482	3.94E+04	
.546	464.5	.488	3.99E+04	
.622	455.0	.494	3.93E+04	
.698	471.7	.500	4.10E+04	
.775	470.4	.506	4.15E+04	
.851	485.4	.513	4.21E+04	
.927	502.7	.520	5.05E+04	
1.003	517.0	.529	6.90E+04	
1.079	692.9	.540	7.18E+04	
1.143	733.6	.549	7.66E+04	
1.181	721.6	.555	7.26E+04	
1.244	686.7	.563	5.04E+04	
1.308	766.1	.569	4.92E+04	
1.384	820.1	.577	4.95E+04	
1.460	851.1	.584	4.80E+04	
1.511	857.4	.589	4.87E+04	
1.562	832.7	.594	4.91E+04	
1.613	855.1	.599	4.85E+04	
1.689	888.6	.606	4.82E+04	
1.765	911.3	.614	4.77E+04	
1.816	911.7	.619	4.52E+04	
1.867	880.8	.623	4.74E+04	
1.918	896.1	.628	4.59E+04	
1.994	915.8	.635	4.59E+04	
2.070	929.8	.642	4.52E+04	

INEL POST-CHF EXPERIMENT NO. 159

POINT SERIAL NO. 3159.160 (TIME= 230.50 SEC)

LOOP PRESSURE(PE-3) 15.98 MPA
 FCV TEMPERATURE(TE-FCV-1T) 616.2 K
 LHP INLET ENTHALPY 1.615E+06 J/KG
 TEST SECTION:
 PRESSURE .70 MPA
 SAT TEMP 437.89 K
 MASS FLUX 61.43 KG/SEC-M**2
 INLET QUALITY .445
 INLET ENTHALPY 1.615E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.191 M
 VELOCITY .0072 M/SEC
 QUALITY .551
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.841	.650	578.9	.621	.541

WALL TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	448.8	.446	3.83E+04	
.051	451.6	.449	3.88E+04	
.063	448.9	.450	3.83E+04	
.089	454.7	.452	3.84E+04	
.114	449.5	.454	3.83E+04	
.140	448.4	.456	3.82E+04	
.165	448.2	.458	3.82E+04	
.317	451.6	.469	3.85E+04	
.394	458.4	.475	3.92E+04	
.470	458.2	.481	3.91E+04	
.546	461.8	.487	3.94E+04	
.622	453.2	.493	3.89E+04	
.698	467.2	.499	4.03E+04	
.775	465.3	.505	4.05E+04	
.851	478.5	.512	4.17E+04	
.927	487.6	.518	4.39E+04	
1.003	466.8	.525	4.21E+04	
1.079	593.5	.533	6.59E+04	
1.143	654.7	.543	8.56E+04	
1.181	631.8	.549	8.17E+04	
1.244	648.2	.559	6.70E+04	
1.308	742.3	.567	6.34E+04	
1.384	803.4	.576	5.15E+04	
1.460	837.3	.583	4.94E+04	
1.511	842.3	.589	5.04E+04	
1.562	816.9	.594	5.08E+04	
1.613	840.8	.599	4.98E+04	
1.689	874.8	.606	4.92E+04	
1.765	898.4	.614	4.87E+04	
1.816	892.2	.619	4.61E+04	
1.867	868.3	.624	4.82E+04	
1.918	885.9	.628	4.68E+04	
1.994	905.7	.636	4.67E+04	
2.070	920.8	.643	4.59E+04	

INEL POST-CHF EXPERIMENT NO. 160

POINT SERIAL NO. 3160.070 (TIME= 58.50 SEC)

LOOP PRESSURE(PE-3) 16.06 MPA
 FCV TEMPERATURE(TE-FCV-1T) 616.8 K
 LHP INLET ENTHALPY 1.619E+06 J/KG
 TEST SECTION:
 PRESSURE .70 MPA
 SAT TEMP 438.09 K
 MASS FLUX 50.96 KG/SEC-M**2
 INLET QUALITY .447
 INLET ENTHALPY 1.619E+06 J/KG
 QUENCH FRONT:
 ELEVATION .393 M
 VELOCITY .0128 M/SEC
 QUALITY .510
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE XA
1.841	1.448	660.3	.757 .614

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	470.7	.448	4.31E+04	
.051	490.7	.452	4.97E+04	
.063	462.8	.454	4.12E+04	
.089	476.7	.456	4.37E+04	
.114	466.4	.459	4.20E+04	
.140	456.4	.461	4.12E+04	
.165	462.5	.464	4.30E+04	
.317	561.3	.490	9.69E+04	
.394	690.2	.510	1.23E+05	
.470	768.8	.534	1.33E+05	
.546	824.5	.554	8.74E+04	
.622	837.7	.569	6.84E+04	
.698	853.5	.581	6.30E+04	
.775	864.0	.592	6.12E+04	
.851	876.4	.603	5.80E+04	
.927	883.6	.614	5.70E+04	
1.003	889.6	.624	5.65E+04	
1.079	864.6	.634	4.83E+04	
1.143	835.1	.641	4.40E+04	
1.181	786.7	.645	3.78E+04	1.01E+03
1.244	674.3	.653	6.40E+04	
1.308	741.8	.667	1.28E+05	
1.384	838.3	.691	1.26E+05	
1.460	874.7	.708	5.47E+04	
1.511	880.7	.714	5.65E+04	
1.562	861.5	.722	6.12E+04	
1.613	885.0	.729	5.99E+04	
1.689	911.5	.740	5.73E+04	
1.765	927.3	.750	5.58E+04	
1.816	927.5	.757	5.28E+04	
1.867	905.5	.764	5.74E+04	
1.918	899.4	.770	5.16E+04	
1.994	902.7	.780	4.87E+04	
2.070	905.8	.788	4.56E+04	

INEL POST-CHF EXPERIMENT NO. 160

POINT SERIAL NO. 3160.080 (TIME= 64.50 SEC)

LOOP PRESSURE(PE-3) 16.04 MPA
 FCV TEMPERATURE(TE-FCV-1T) 616.8 K
 LHP INLET ENTHALPY 1.619E+06 J/KG
 TEST SECTION:
 PRESSURE .70 MPA
 SAT TEMP 438.09 K
 MASS FLUX 50.93 KG/SEC-M**2
 INLET QUALITY .447
 INLET ENTHALPY 1.619E+06 J/KG
 QUENCH FRONT:
 ELEVATION .470 M
 VELOCITY .0127 M/SEC
 QUALITY .522
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE XA
1.841	1.372	638.7	.771 .637

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	466.6	.448	4.17E+04	
.051	482.1	.452	4.65E+04	
.063	460.1	.453	4.00E+04	
.089	472.4	.456	4.17E+04	
.114	463.3	.458	4.03E+04	
.140	454.0	.461	3.93E+04	
.165	458.9	.463	4.04E+04	
.317	492.8	.482	6.35E+04	
.394	584.3	.499	1.13E+05	
.470	704.8	.522	1.37E+05	
.546	766.1	.546	1.27E+05	
.622	815.3	.566	8.56E+04	
.698	835.7	.580	6.62E+04	
.775	847.8	.592	6.35E+04	
.851	862.7	.603	5.97E+04	
.927	870.6	.614	5.83E+04	
1.003	876.9	.625	5.81E+04	
1.079	857.3	.635	5.01E+04	
1.143	830.4	.642	4.61E+04	3.97E+02
1.181	785.0	.646	3.97E+04	2.14E+03
1.244	655.6	.654	5.80E+04	
1.308	660.3	.669	1.46E+05	
1.384	809.7	.698	1.64E+05	
1.460	861.6	.719	6.23E+04	
1.511	866.6	.727	6.25E+04	
1.562	844.9	.735	6.46E+04	
1.613	869.8	.742	6.21E+04	
1.689	898.1	.754	5.96E+04	
1.765	915.2	.764	5.80E+04	
1.816	915.6	.771	5.53E+04	
1.867	892.2	.778	6.00E+04	
1.918	889.9	.785	5.36E+04	
1.994	894.8	.795	5.16E+04	
2.070	900.2	.804	4.80E+04	

INEL POST-CHF EXPERIMENT NO. 160

POINT SERIAL NO. 3150.090 (TIME= 70.50 SEC)

LOOP PRESSURE(PE-3) 16.05 MPA
 FCV TEMPERATURE(TE-FCV-1T) 616.8 K
 LHP INLET ENTHALPY 1.619E+06 J/KG
 TEST SECTION:
 PRESSURE .70 MPA
 SAT TEMP 438.15 K
 MASS FLUX 50.89 KG/SEC-M**2
 INLET QUALITY .447
 INLET ENTHALPY 1.619E+06 J/KG
 QUENCH FRONT:
 ELEVATION .546 M
 VELOCITY .0127 M/SEC
 QUALITY .532
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.295	608.7	.782	.653

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	463.5	.448	4.08E+04	
.051	475.3	.452	4.43E+04	
.063	458.1	.453	3.96E+04	
.089	469.4	.456	4.07E+04	
.114	451.1	.458	3.99E+04	
.140	452.7	.460	3.88E+04	
.165	456.7	.463	3.96E+04	
.317	481.1	.479	4.61E+04	
.394	514.6	.489	6.85E+04	
.470	594.2	.508	1.31E+05	
.546	704.5	.532	1.30E+05	
.622	747.8	.555	1.18E+05	
.698	814.8	.573	8.04E+04	
.775	829.6	.587	6.70E+04	
.851	847.6	.599	6.20E+04	
.927	856.5	.610	6.05E+04	
1.003	863.0	.621	6.01E+04	
1.079	848.8	.632	5.20E+04	
1.143	824.0	.639	4.87E+04	3.58E+02
1.181	781.1	.643	4.21E+04	2.79E+03
1.244	640.7	.651	5.31E+04	
1.308	586.6	.664	1.21E+05	
1.384	662.6	.691	1.74E+05	
1.460	825.6	.718	1.15E+05	
1.511	844.3	.732	1.17E+05	
1.562	825.5	.744	6.90E+04	
1.613	852.8	.752	6.50E+04	
1.689	883.1	.764	6.22E+04	
1.765	901.5	.775	6.02E+04	
1.816	902.1	.782	5.76E+04	
1.867	877.2	.790	6.12E+04	
1.918	879.2	.797	5.52E+04	
1.994	885.2	.807	5.41E+04	
2.070	893.0	.817	5.05E+04	

INEL POST-CHF EXPERIMENT NO. 161

POINT SERIAL NO. 3161.080 (TIME= 77.50 SEC)

LOOP PRESSURE(PE-3) 16.03 MPA
 FCV TEMPERATURE(TE-FCV-1T) 616.2 K
 LHP INLET ENTHALPY 1.615E+06 J/KG
 TEST SECTION:
 PRESSURE .70 MPA
 SAT TEMP 437.92 K
 MASS FLUX 48.93 KG/SEC-M**2
 INLET QUALITY .445
 INLET ENTHALPY 1.615E+06 J/KG
 QUENCH FRONT:
 ELEVATION .545 M
 VELOCITY .0097 M/SEC
 QUALITY .550
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.296	691.3	.800	.633

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	465.8	.447	5.97E+04	
.051	474.9	.452	6.17E+04	
.063	461.7	.454	5.87E+04	
.089	472.7	.458	5.96E+04	
.114	463.8	.462	5.90E+04	
.140	455.3	.466	5.78E+04	
.165	457.7	.469	5.85E+04	
.317	485.2	.494	6.69E+04	
.394	542.7	.510	1.00E+05	
.470	619.8	.530	1.08E+05	
.546	711.9	.551	1.09E+05	
.622	761.0	.572	1.15E+05	
.698	844.5	.593	1.04E+05	
.775	887.1	.612	8.74E+04	
.851	907.8	.628	7.74E+04	
.927	919.0	.642	7.48E+04	
1.003	930.2	.656	7.32E+04	
1.079	915.8	.670	6.83E+04	
1.143	899.5	.681	6.49E+04	2.83E+03
1.181	850.8	.686	5.65E+04	5.62E+03
1.244	720.3	.697	7.12E+04	
1.308	801.1	.710	9.89E+04	
1.384	900.7	.727	7.46E+04	
1.460	919.9	.741	6.79E+04	
1.511	929.8	.749	6.72E+04	
1.562	900.5	.758	6.82E+04	
1.613	922.6	.767	6.77E+04	
1.689	949.1	.780	6.61E+04	
1.765	963.4	.792	6.46E+04	
1.816	964.5	.800	6.02E+04	
1.867	930.3	.808	6.54E+04	
1.918	925.3	.816	6.26E+04	
1.994	947.6	.828	6.20E+04	
2.070	952.6	.840	6.07E+04	

INEL POST-CHF EXPERIMENT NO. 161

POINT SERIAL NO. 3161.090 (TIME= 85.50 SEC)

LOOP PRESSURE(PE-3) 15.87 MPA
 FCV TEMPERATURE(TE-FCV-1T) 616.0 K
 LHP INLET ENTHALPY 1.614E+06 J/KG
 TEST SECTION:
 PRESSURE .70 MPA
 SAT TEMP 437.91 K
 MASS FLUX 48.48 KG/SEC-M**2
 INLET QUALITY .444
 INLET ENTHALPY 1.614E+06 J/KG
 QUENCH FRONT:
 ELEVATION .622 M
 VELOCITY .0095 M/SEC
 QUALITY .562
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.841	1.219	670.3	.808	.650

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.073	463.4	.446	5.97E+04	
.051	470.8	.452	6.11E+04	
.063	460.1	.454	5.90E+04	
.089	470.3	.458	5.98E+04	
.114	462.0	.462	5.93E+04	
.140	454.4	.465	5.83E+04	
.165	456.3	.469	5.87E+04	
.317	477.9	.493	6.29E+04	
.394	505.1	.505	6.65E+04	
.470	550.1	.521	1.01E+05	
.546	631.5	.541	1.05E+05	
.622	689.7	.562	1.12E+05	
.698	773.9	.584	1.08E+05	
.775	837.7	.606	1.20E+05	
.851	889.5	.626	8.78E+04	
.927	904.0	.642	7.79E+04	
1.003	916.8	.657	7.61E+04	
1.079	907.1	.671	7.02E+04	
1.143	891.2	.682	6.75E+04	1.77E+03
1.181	846.3	.688	5.92E+04	5.20E+03
1.244	707.5	.698	6.66E+04	
1.308	761.8	.712	1.02E+05	
1.384	879.7	.731	9.16E+04	
1.460	911.5	.747	6.99E+04	
1.511	921.8	.756	6.96E+04	
1.562	891.8	.765	7.01E+04	
1.613	914.6	.774	6.93E+04	
1.689	942.4	.787	6.79E+04	
1.765	957.9	.800	6.64E+04	
1.816	959.5	.808	6.22E+04	
1.867	924.4	.817	6.66E+04	
1.918	921.9	.825	6.40E+04	
1.994	944.7	.837	6.35E+04	
2.070	950.9	.850	6.19E+04	

INEL POST-CHF EXPERIMENT NO. 161

POINT SERIAL NO. 3161.100 (TIME= 93.50 SEC)

LOOP PRESSURE(PE-3) 15.90 MPA
 FCV TEMPERATURE(TE-FCV-1T) 616.0 K
 LHP INLET ENTHALPY 1.614E+06 J/KG
 TEST SECTION:
 PRESSURE .70 MPA
 SAT TEMP 437.96 K
 MASS FLUX 48.61 KG/SEC-M**2
 INLET QUALITY .444
 INLET ENTHALPY 1.614E+06 J/KG
 QUENCH FRONT:
 ELEVATION .700 M
 VELOCITY .0100 M/SEC
 QUALITY .576
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.841	1.141	651.1	.812	.664

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	461.3	.446	5.95E+04	
.051	467.5	.452	6.05E+04	
.063	458.7	.454	5.90E+04	
.089	468.2	.458	5.96E+04	
.114	460.4	.461	5.91E+04	
.140	453.7	.465	5.84E+04	
.155	455.3	.469	5.86E+04	
.317	473.1	.492	6.19E+04	
.394	498.1	.504	6.35E+04	
.470	504.0	.518	7.49E+04	
.546	563.4	.535	9.98E+04	
.622	605.2	.555	1.10E+05	
.698	706.9	.576	1.07E+05	
.775	763.2	.598	1.24E+05	
.851	836.7	.621	1.09E+05	
.927	885.4	.640	8.74E+04	
1.003	900.3	.656	8.02E+04	
1.079	896.5	.670	7.29E+04	
1.143	881.2	.682	7.10E+04	7.09E+02
1.181	839.7	.689	6.24E+04	4.77E+03
1.244	698.1	.699	6.41E+04	
1.308	721.3	.712	1.01E+05	
1.384	843.9	.732	1.04E+05	
1.460	901.1	.749	7.28E+04	
1.511	911.8	.758	7.22E+04	
1.562	881.4	.767	7.22E+04	
1.613	905.2	.777	7.11E+04	
1.689	934.1	.790	6.99E+04	
1.765	951.0	.804	6.84E+04	
1.816	952.9	.812	6.43E+04	
1.867	917.6	.821	6.81E+04	
1.918	917.1	.829	6.58E+04	
1.994	940.2	.842	6.57E+04	
2.070	947.9	.855	6.39E+04	

H-293

INEL POST-CHF EXPERIMENT NO. 161

POINT SERIAL NO. 3161.110 (TIME= 100.50 SEC)

LOOP PRESSURE(PE-3) 15.96 MPA
 FCV TEMPERATURE(TE-FCV-1T) 616.1 K
 LHP INLET ENTHALPY 1.614E+06 J/KG
 TEST SECTION:
 PRESSURE .70 MPA
 SAT TEMP 437.92 K
 MASS FLUX 48.76 KG/SEC-M**2
 INLET QUALITY .444
 INLET ENTHALPY 1.614E+06 J/KG
 QUENCH FRONT:
 ELEVATION .772 M
 VELOCITY .0105 M/SEC
 QUALITY .590
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE XA

1.841	1.069	637.4	.817 .678
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WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		HEAT FLUX W/M**2	HEAT LOSS W/M**2
ELEVATION (M)	TEMP (K)	XE			

.013	459.8	.446		5.95E+04	
.051	465.3	.452		6.02E+04	
.063	457.6	.454		5.91E+04	
.089	466.6	.458		5.97E+04	
.114	459.2	.462		5.92E+04	
.140	453.1	.465		5.86E+04	
.165	454.6	.469		5.87E+04	
.317	469.6	.492		6.14E+04	
.394	493.2	.504		6.32E+04	
.470	493.8	.517		6.61E+04	
.546	519.7	.531		7.86E+04	
.622	541.3	.549		1.04E+05	
.698	638.5	.569		1.05E+05	
.775	713.6	.591		1.23E+05	
.851	771.9	.613		1.10E+05	
.927	843.5	.634		1.05E+05	
1.003	882.5	.653		8.71E+04	
1.079	885.3	.668		7.54E+04	
1.143	870.9	.680		7.40E+04	
1.181	832.1	.687		7.03E+04	
1.244	691.3	.698		6.33E+04	
1.308	690.2	.710		9.11E+04	
1.384	805.9	.730		1.08E+05	
1.460	889.5	.748		7.88E+04	
1.511	901.3	.758		7.47E+04	
1.562	870.9	.767		7.41E+04	
1.613	895.8	.777		7.27E+04	
1.689	925.7	.791		7.14E+04	
1.765	943.7	.804		7.01E+04	
1.816	945.8	.813		6.60E+04	
1.867	910.6	.822		6.96E+04	
1.918	912.0	.830		6.73E+04	
1.994	934.8	.843		6.76E+04	
2.070	944.0	.856		6.58E+04	

INEL POST-CHF EXPERIMENT NO. 161

POINT SERIAL NO. 3161.130 (TIME= 116.50 SEC)

LOOP PRESSURE(PE-3) 16.04 MPA
 FCV TEMPERATURE(TE-FCV-1T) 616.3 K
 LHP INLET ENTHALPY 1.616E+06 J/KG
 TEST SECTION:
 PRESSURE .70 MPA
 SAT TEMP 437.95 K
 MASS FLUX 48.73 KG/SEC-M**2
 INLET QUALITY .445
 INLET ENTHALPY 1.616E+06 J/KG
 QUENCH FRONT:
 ELEVATION .927 M
 VELOCITY .0095 M/SEC
 QUALITY .616
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE XA

1.841	.914	596.8	.824 .710
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WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		HEAT FLUX W/M**2	HEAT LOSS W/M**2
ELEVATION (M)	TEMP (K)	XE			

.013	457.2	.447		5.94E+04	
.051	461.8	.453		5.98E+04	
.063	455.8	.455		5.92E+04	
.089	463.9	.458		5.95E+04	
.114	457.0	.462		5.94E+04	
.140	452.2	.466		5.87E+04	
.165	453.6	.470		5.88E+04	
.317	463.9	.493		6.06E+04	
.394	483.9	.505		6.24E+04	
.470	483.0	.517		6.21E+04	
.546	497.5	.529		6.55E+04	
.622	476.2	.542		6.54E+04	
.698	518.3	.556		7.98E+04	
.775	553.0	.574		1.13E+05	
.851	627.3	.596		1.05E+05	
.927	708.6	.616		1.09E+05	
1.003	746.1	.637		1.07E+05	
1.079	838.7	.657		9.87E+04	
1.143	840.3	.671		8.19E+04	
1.181	808.3	.679		7.62E+04	
1.244	676.4	.690		6.44E+04	
1.308	648.0	.701		7.36E+04	
1.384	710.4	.720		1.16E+05	
1.460	807.7	.742		1.17E+05	
1.511	846.7	.758		1.26E+05	
1.562	841.4	.771		7.97E+04	
1.613	870.2	.781		7.65E+04	
1.689	903.1	.796		7.48E+04	
1.765	923.4	.810		7.34E+04	
1.816	926.1	.819		6.93E+04	
1.867	891.1	.828		7.27E+04	
1.918	896.8	.838		7.01E+04	
1.994	918.6	.851		7.10E+04	
2.070	930.7	.865		6.95E+04	

INEL POST-CHF EXPERIMENT NO. 161

POINT SERIAL NO. 3161.140 (TIME= 121.50 SEC)

LOOP PRESSURE(PE-3) 15.99 MPA
 FCV TEMPERATURE(TE-FCV-1T) 616.3 K
 LHP INLET ENTHALPY 1.616E+06 J/KG
 TEST SECTION:
 PRESSURE .70 MPA
 SAT TEMP 437.96 K
 MASS FLUX 48.59 KG/SEC-M**2
 INLET QUALITY .445
 INLET ENTHALPY 1.616E+06 J/KG
 QUENCH FRONT:
 ELEVATION .975 M
 VELOCITY .0095 M/SEC
 QUALITY .622
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	.867	572.3	.829	.725

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	456.6	.447	5.95E+04	
.051	461.0	.453	5.98E+04	
.063	455.4	.455	5.92E+04	
.089	463.3	.459	5.96E+04	
.114	456.5	.463	5.94E+04	
.140	452.0	.466	5.88E+04	
.165	453.3	.470	5.89E+04	
.317	462.6	.493	6.05E+04	
.394	481.5	.505	6.23E+04	
.470	480.8	.517	6.22E+04	
.546	493.3	.529	6.46E+04	
.622	472.3	.542	6.37E+04	
.698	507.9	.555	7.15E+04	
.775	513.6	.570	9.13E+04	
.851	584.3	.589	1.02E+05	
.927	655.8	.609	1.08E+05	
1.003	746.6	.630	1.04E+05	
1.079	805.1	.650	1.06E+05	
1.143	822.3	.666	9.23E+04	
1.181	797.7	.675	8.49E+04	
1.244	671.1	.687	6.55E+04	
1.308	639.5	.698	7.32E+04	
1.384	673.7	.717	1.21E+05	
1.460	803.7	.740	1.19E+05	
1.511	804.2	.756	1.35E+05	
1.562	819.2	.773	1.20E+05	
1.613	860.6	.786	7.90E+04	
1.689	894.7	.801	7.64E+04	
1.765	915.8	.815	7.48E+04	
1.816	918.7	.825	7.07E+04	
1.867	884.1	.834	7.36E+04	
1.918	891.1	.843	7.11E+04	
1.994	912.5	.857	7.21E+04	
2.070	925.4	.871	7.07E+04	

INEL POST-CHF EXPERIMENT NO. 171

POINT SERIAL NO. 1171.030 (TIME= 101.50 SEC)

LOOP PRESSURE(PE-3) 16.04 MPA
 FCV TEMPERATURE(TE-FCV-1T) 428.4 K
 LHP INLET ENTHALPY 6.643E+05 J/KG
 TEST SECTION:
 PRESSURE .72 MPA
 SAT TEMP 439.34 K
 MASS FLUX 23.69 KG/SEC-M**2
 INLET QUALITY -.018
 INLET ENTHALPY 6.643E+05 J/KG
 QUENCH FRONT:
 ELEVATION .315 M
 VELOCITY .0049 M/SEC
 QUALITY .069
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.917	821.5	.350	.250

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	467.8	-.016	4.11E+04	
.051	482.0	-.007	4.49E+04	
.063	463.1	-.004	4.00E+04	
.089	476.1	.001	4.16E+04	
.114	466.7	.007	4.09E+04	
.140	457.5	.012	4.00E+04	
.165	461.9	.018	5.36E+04	
.317	668.3	.070	7.78E+04	
.394	837.4	.103	8.62E+04	
.470	894.2	.134	6.80E+04	
.546	949.2	.161	6.96E+04	
.622	983.0	.188	6.80E+04	
.698	1021.7	.214	6.31E+04	
.775	1047.4	.239	6.12E+04	
.851	1070.7	.263	5.78E+04	
.927	1083.0	.285	5.34E+04	
1.003	1089.9	.305	4.97E+04	
1.079	1035.5	.323	4.11E+04	
1.143	998.8	.336	3.72E+04	1.94E+02
1.181	921.4	.343	3.07E+04	4.17E+03
1.244	908.8	.354	3.40E+04	
1.308	986.3	.366	3.70E+04	
1.384	1041.6	.381	3.82E+04	
1.460	1028.2	.395	3.61E+04	
1.511	1048.8	.405	3.68E+04	
1.562	1058.8	.415	3.88E+04	
1.613	1083.2	.425	3.89E+04	
1.689	1102.1	.441	3.80E+04	
1.765	1103.6	.455	3.60E+04	
1.816	1089.3	.464	3.22E+04	
1.867	1049.1	.473	3.49E+04	
1.918	1028.7	.482	3.13E+04	
1.994	1020.1	.494	2.91E+04	
2.070	1022.1	.506	2.87E+04	

INEL POST-CHF EXPERIMENT NO. 171

POINT SERIAL NO. 1171.040 (TIME= 118.50 SEC)

LOOP PRESSURE(PE-3) 16.03 MPA
 FCV TEMPERATURE(TE-FCV-1T) 428.3 K
 LHP INLET ENTHALPY 6.638E+05 J/KG
 TEST SECTION:
 PRESSURE .72 MPA
 SAT TEMP 439.31 K
 MASS FLUX 23.72 KG/SEC-M**2
 INLET QUALITY -.019
 INLET ENTHALPY 6.638E+05 J/KG
 QUENCH FRONT:
 ELEVATION .393 M
 VELOCITY .0042 M/SEC
 QUALITY .083
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.232	.839	810.9	.335	.242

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	461.2	-.016	3.94E+04	
.051	470.1	-.008	4.08E+04	
.063	458.8	-.006	3.87E+04	
.089	469.3	-.000	3.94E+04	
.114	461.0	.005	3.91E+04	
.140	454.2	.010	3.80E+04	
.165	455.8	.015	3.87E+04	
.317	523.1	.054	5.93E+04	
.394	698.0	.083	8.69E+04	
.470	839.3	.116	8.05E+04	
.546	897.0	.145	6.31E+04	
.622	932.3	.170	6.31E+04	
.698	977.9	.195	6.20E+04	
.775	1006.8	.219	6.08E+04	
.851	1034.7	.243	5.94E+04	
.927	1054.1	.266	5.57E+04	
1.003	1067.1	.287	5.21E+04	
1.079	1027.3	.306	4.42E+04	
1.143	996.4	.320	4.09E+04	4.39E+02
1.181	922.9	.328	3.41E+04	4.16E+03
1.244	909.2	.340	3.81E+04	
1.308	985.1	.353	4.04E+04	
1.384	1038.8	.369	4.11E+04	
1.460	1029.5	.385	3.89E+04	
1.511	1048.6	.395	3.95E+04	
1.562	1056.0	.406	4.06E+04	
1.613	1080.7	.416	3.99E+04	
1.689	1101.2	.432	3.92E+04	
1.765	1105.7	.447	3.75E+04	
1.816	1093.4	.457	3.43E+04	
1.867	1053.7	.466	3.65E+04	
1.918	1039.2	.475	3.34E+04	
1.994	1034.3	.488	3.16E+04	
2.070	987.5	.517	1.11E+05	

INEL POST-CHF EXPERIMENT NO. 171

POINT SERIAL NO. 1171.050 (TIME= 129.50 SEC)

LOOP PRESSURE(PE-3) 16.06 MPA
 FCV TEMPERATURE(TE-FCV-1T) 428.2 K
 LHP INLET ENTHALPY 6.635E+05 J/KG
 TEST SECTION:
 PRESSURE .72 MPA
 SAT TEMP 439.38 K
 MASS FLUX 23.85 KG/SEC-M**2
 INLET QUALITY -.019
 INLET ENTHALPY 6.635E+05 J/KG
 QUENCH FRONT:
 ELEVATION .439 M
 VELOCITY .0039 M/SEC
 QUALITY .093
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.232	.793	792.1	.327	.239

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	458.5	-.016	3.89E+04	
.051	465.9	-.009	3.95E+04	
.063	457.0	-.006	3.82E+04	
.089	466.7	-.001	3.88E+04	
.114	458.8	.004	3.85E+04	
.140	453.2	.009	3.78E+04	
.165	454.0	.014	3.82E+04	
.317	484.1	.048	4.58E+04	
.394	596.3	.073	8.18E+04	
.470	752.6	.107	9.06E+04	
.546	869.0	.138	6.29E+04	
.622	904.0	.162	6.04E+04	
.698	950.9	.186	5.97E+04	
.775	981.0	.209	5.94E+04	
.851	1010.4	.233	5.83E+04	
.927	1033.5	.255	5.63E+04	
1.003	1050.2	.277	5.31E+04	
1.079	1019.2	.296	4.56E+04	
1.143	991.4	.311	4.31E+04	3.98E+02
1.181	921.2	.319	3.63E+04	3.30E+03
1.244	906.2	.331	3.96E+04	
1.308	982.3	.344	4.10E+04	
1.384	1035.2	.361	4.16E+04	
1.460	1028.4	.377	3.94E+04	
1.511	1046.8	.387	4.01E+04	
1.562	1053.0	.398	4.13E+04	
1.613	1078.6	.409	4.03E+04	
1.689	1100.0	.424	3.94E+04	
1.765	1106.3	.440	3.78E+04	
1.816	1094.7	.449	3.47E+04	
1.867	1055.3	.459	3.71E+04	
1.918	1044.2	.468	3.43E+04	
1.994	1041.3	.481	3.27E+04	
2.070	975.7	.514	1.32E+05	

INEL POST-CHF EXPERIMENT NO. 171

POINT SERIAL NO. 3171.050 (TIME= 129.50 SEC)

LOOP PRESSURE(PE-3) 16.06 MPA
 FCV TEMPERATURE(TE-FCV-1T) 428.2 K
 LHP INLET ENTHALPY 6.635E+05 J/KG
 TEST SECTION:
 PRESSURE .72 MPA
 SAT TEMP 439.38 K
 MASS FLUX 23.85 KG/SEC-M**2
 INLET QUALITY -.019
 INLET ENTHALPY 6.635E+05 J/KG
 QUENCH FRONT:
 ELEVATION .439 M
 VELOCITY .0039 M/SEC
 QUALITY .093
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.403	875.1	.449	.308

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	458.5	-.016	3.89E+04	
.051	465.9	-.009	3.95E+04	
.063	457.0	-.006	3.82E+04	
.089	466.7	-.001	3.88E+04	
.114	458.8	.004	3.85E+04	
.140	453.2	.009	3.78E+04	
.165	454.0	.014	3.82E+04	
.317	484.1	.048	4.58E+04	
.394	596.3	.073	8.18E+04	
.470	752.6	.107	9.06E+04	
.546	869.0	.138	6.29E+04	
.622	904.0	.162	6.04E+04	
.698	950.9	.186	5.97E+04	
.775	981.0	.209	5.94E+04	
.851	1010.4	.233	5.83E+04	
.927	1033.5	.255	5.63E+04	
1.003	1050.2	.277	5.31E+04	
1.079	1019.2	.296	4.56E+04	
1.143	991.4	.311	4.31E+04	3.98E+02
1.181	921.2	.319	3.63E+04	3.30E+03
1.244	906.2	.331	3.96E+04	
1.308	982.3	.344	4.10E+04	
1.384	1035.2	.361	4.16E+04	
1.460	1028.4	.377	3.94E+04	
1.511	1046.8	.387	4.01E+04	
1.562	1053.0	.398	4.13E+04	
1.613	1078.6	.409	4.03E+04	
1.689	1100.0	.424	3.94E+04	
1.765	1106.3	.440	3.78E+04	
1.816	1094.7	.449	3.47E+04	
1.867	1055.3	.459	3.71E+04	
1.918	1044.2	.468	3.43E+04	
1.994	1041.3	.481	3.27E+04	
2.070	975.7	.514	1.32E+05	

INEL POST-CHF EXPERIMENT NO. 171

POINT SERIAL NO. 1171.061 (TIME= 157.50 SEC)

(INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 16.04 MPA
 FCV TEMPERATURE(TE-FCV-1T) 428.0 K
 LHP INLET ENTHALPY 6.628E+05 J/KG
 TEST SECTION:
 PRESSURE .72 MPA
 SAT TEMP 439.39 K
 MASS FLUX 23.63 KG/SEC-M**2
 INLET QUALITY -.019
 INLET ENTHALPY 6.628E+05 J/KG
 QUENCH FRONT:
 ELEVATION .544 M
 VELOCITY .0036 M/SEC
 QUALITY .111
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.688	740.0	.302	.230

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	454.2	-.017	3.80E+04	
.051	460.2	-.009	3.83E+04	
.063	454.8	-.007	3.78E+04	
.089	462.7	-.002	3.82E+04	
.114	455.4	.003	3.79E+04	
.140	451.9	.008	3.75E+04	
.165	451.9	.013	3.76E+04	
.317	467.6	.044	3.99E+04	
.394	497.4	.061	4.30E+04	
.470	529.4	.083	6.72E+04	
.546	702.7	.111	7.72E+04	
.622	840.1	.140	6.59E+04	
.698	892.4	.164	5.48E+04	
.775	925.5	.186	5.41E+04	
.851	957.4	.207	5.34E+04	
.927	983.0	.228	5.33E+04	
1.003	1006.6	.249	5.22E+04	
1.079	992.3	.269	4.86E+04	
1.143	969.1	.285	4.56E+04	1.47E+03
1.181	911.4	.294	3.96E+04	2.82E+03
1.244	887.3	.308	4.44E+04	
1.308	971.4	.322	4.30E+04	
1.384	1023.2	.339	4.32E+04	
1.460	1021.7	.356	4.15E+04	
1.511	1038.6	.367	4.16E+04	
1.562	1043.1	.378	4.19E+04	
1.613	1070.9	.389	4.16E+04	
1.689	1093.6	.406	4.12E+04	
1.765	1104.0	.422	3.99E+04	
1.816	1094.1	.432	3.71E+04	
1.867	1055.4	.442	3.91E+04	
1.918	1051.5	.453	3.69E+04	
1.994	1045.0	.473	6.77E+04	
2.070	578.1	.502	7.71E+04	

INEL POST-CHF EXPERIMENT NO. 171

POINT SERIAL NO. 3171.060 (TIME= 157.50 SEC)

LOOP PRESSURE(PE-3) 16.04 MPA
 FCV TEMPERATURE(TE-FCV-1T) 428.0 K
 LHP INLET ENTHALPY 6.628E+05 J/KG
 TEST SECTION:
 PRESSURE .72 MPA
 SAT TEMP 439.39 K
 MASS FLUX 23.63 KG/SEC-M**2
 INLET QUALITY -.019
 INLET ENTHALPY 6.628E+05 J/KG
 QUENCH FRONT:
 ELEVATION .544 M
 VELOCITY .0036 M/SEC
 QUALITY .111
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.297	853.2	.432	.301

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	454.2	-.017	3.80E+04	
.051	460.2	-.009	3.83E+04	
.063	454.8	-.007	3.78E+04	
.089	462.7	-.002	3.82E+04	
.114	455.4	.003	3.79E+04	
.140	451.9	.008	3.75E+04	
.165	451.9	.013	3.76E+04	
.317	467.6	.044	3.99E+04	
.394	497.4	.061	4.30E+04	
.470	529.4	.083	6.72E+04	
.546	702.7	.111	7.72E+04	
.622	840.1	.140	6.59E+04	
.698	892.4	.164	5.48E+04	
.775	925.5	.186	5.41E+04	
.851	957.4	.207	5.34E+04	
.927	983.0	.228	5.33E+04	
1.003	1006.6	.249	5.22E+04	
1.079	992.3	.269	4.86E+04	
1.143	969.1	.285	4.56E+04	1.47E+03
1.181	911.4	.294	3.96E+04	2.82E+03
1.244	887.3	.308	4.44E+04	
1.308	971.4	.322	4.30E+04	
1.384	1023.2	.339	4.32E+04	
1.460	1021.7	.356	4.15E+04	
1.511	1038.6	.367	4.16E+04	
1.562	1043.1	.378	4.19E+04	
1.613	1070.9	.389	4.16E+04	
1.689	1093.6	.406	4.12E+04	
1.765	1104.0	.422	3.99E+04	
1.816	1094.1	.432	3.71E+04	
1.867	1055.4	.442	3.91E+04	
1.918	1051.5	.453	3.69E+04	
1.994	1045.0	.473	6.77E+04	
2.070	578.1	.502	7.71E+04	

INEL POST-CHF EXPERIMENT NO. 171

POINT SERIAL NO. 3171.070 (TIME= 179.50 SEC)

LOOP PRESSURE(PE-3) 16.00 MPA
 FCV TEMPERATURE(TE-FCV-1T) 428.0 K
 LHP INLET ENTHALPY 6.626E+05 J/KG
 TEST SECTION:
 PRESSURE .72 MPA
 SAT TEMP 439.35 K
 MASS FLUX 23.64 KG/SEC-M**2
 INLET QUALITY -.019
 INLET ENTHALPY 6.626E+05 J/KG
 QUENCH FRONT:
 ELEVATION .619 M
 VELOCITY .0032 M/SEC
 QUALITY .122
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.222	853.2	.418	.292

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	452.8	-.017	3.76E+04	
.051	457.9	-.009	3.80E+04	
.063	453.4	-.007	3.78E+04	
.089	460.6	-.002	3.80E+04	
.114	453.7	.003	3.78E+04	
.140	451.2	.008	3.75E+04	
.165	451.2	.013	3.75E+04	
.317	462.1	.044	3.87E+04	
.394	484.8	.060	4.09E+04	
.470	489.1	.076	4.31E+04	
.546	528.0	.097	5.92E+04	
.622	694.9	.123	7.47E+04	
.698	853.3	.151	6.21E+04	
.775	888.8	.174	5.37E+04	
.851	925.6	.195	5.03E+04	
.927	951.2	.215	4.99E+04	
1.003	977.4	.234	4.95E+04	
1.079	969.5	.254	4.71E+04	
1.143	947.8	.269	4.45E+04	1.87E+03
1.181	900.0	.277	3.93E+04	3.42E+03
1.244	866.4	.291	4.45E+04	
1.308	958.8	.306	4.43E+04	
1.384	1010.4	.323	4.44E+04	
1.460	1012.8	.341	4.25E+04	
1.511	1029.2	.352	4.25E+04	
1.562	1033.7	.363	4.25E+04	
1.613	1061.2	.375	4.23E+04	
1.689	1085.1	.391	4.20E+04	
1.765	1098.1	.408	4.08E+04	
1.816	1089.4	.418	3.80E+04	
1.867	1052.0	.429	4.01E+04	
1.918	1052.4	.439	3.85E+04	
1.994	843.3	.476	1.44E+05	
2.070	524.7	.514	4.88E+04	

INEL POST-CHF EXPERIMENT NO. 171

POINT SERIAL NO. 3171.080 (TIME= 204.50 SEC)

LOOP PRESSURE{PE-3} 16.02 MPA
 FCV TEMPERATURE{TE-FCV-1T} 428.0 K
 LHP INLET ENTHALPY 6.625E+05 J/KG
 TEST SECTION:
 PRESSURE .72 MPA
 SAT TEMP 439.33 K
 MASS FLUX 23.53 KG/SEC-M**2
 INLET QUALITY -.019
 INLET ENTHALPY 6.625E+05 J/KG
 QUENCH FRONT:
 ELEVATION .695 M
 VELOCITY .0029 M/SEC
 QUALITY .136
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.146	867.0	.411	.284

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	452.3	-.017	3.76E+04	
.051	456.1	-.009	3.79E+04	
.063	452.1	-.007	3.77E+04	
.089	458.8	-.002	3.80E+04	
.114	452.4	.003	3.77E+04	
.140	450.6	.008	3.76E+04	
.165	450.7	.013	3.76E+04	
.317	458.5	.044	3.84E+04	
.394	475.5	.059	3.99E+04	
.470	476.9	.075	4.00E+04	
.546	494.9	.092	4.30E+04	
.622	488.6	.111	5.28E+04	
.698	701.7	.137	7.75E+04	
.775	845.6	.164	5.74E+04	
.851	891.5	.186	5.06E+04	
.927	919.6	.206	4.92E+04	
1.003	949.2	.225	4.73E+04	
1.079	949.3	.244	4.42E+04	
1.143	927.9	.258	4.33E+04	1.02E+03
1.181	887.3	.266	3.86E+04	3.45E+03
1.244	845.7	.280	4.38E+04	
1.308	943.8	.295	4.35E+04	
1.384	994.1	.312	4.40E+04	
1.460	1002.1	.329	4.21E+04	
1.511	1018.4	.341	4.21E+04	
1.562	1023.0	.352	4.18E+04	
1.613	1051.9	.363	4.12E+04	
1.689	1077.6	.379	4.06E+04	
1.765	1092.7	.396	4.09E+04	
1.816	1085.2	.406	3.78E+04	
1.867	1048.9	.416	3.95E+04	
1.918	1002.7	.437	1.14E+05	
1.994	551.0	.474	7.08E+04	
2.070	499.5	.497	4.29E+04	

INEL POST-CHF EXPERIMENT NO. 174

POINT SERIAL NO. 1174.030 (TIME= 71.50 SEC)

LOOP PRESSURE{PE-3} 16.04 MPA
 FCV TEMPERATURE{TE-FCV-1T} 429.7 K
 LHP INLET ENTHALPY 6.699E+05 J/KG
 TEST SECTION:
 PRESSURE .72 MPA
 SAT TEMP 439.41 K
 MASS FLUX 35.60 KG/SEC-M**2
 INLET QUALITY -.016
 INLET ENTHALPY 6.699E+05 J/KG
 QUENCH FRONT:
 ELEVATION .262 M
 VELOCITY .0063 M/SEC
 QUALITY .038
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.970	752.9	.241	.182

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	473.0	-.014	4.32E+04	
.051	492.0	-.008	4.93E+04	
.063	465.5	-.006	4.11E+04	
.089	479.3	-.002	4.40E+04	
.114	469.1	.002	4.28E+04	
.140	460.0	.005	4.31E+04	
.165	468.4	.010	6.40E+04	
.317	760.7	.055	1.05E+05	
.394	825.1	.077	6.64E+04	
.470	853.5	.095	6.61E+04	
.546	875.0	.112	6.48E+04	
.622	903.2	.129	6.29E+04	
.698	940.7	.145	6.03E+04	
.775	977.3	.161	6.03E+04	
.851	1006.6	.177	5.98E+04	
.927	1025.6	.192	5.60E+04	
1.003	1038.0	.207	5.50E+04	
1.079	998.2	.221	4.80E+04	8.99E-01
1.143	965.1	.231	4.28E+04	3.33E+02
1.181	905.6	.236	3.67E+04	2.55E+03
1.244	870.1	.244	3.75E+04	
1.308	945.0	.253	4.01E+04	
1.384	993.8	.263	4.13E+04	
1.461	984.1	.274	3.91E+04	
1.511	997.0	.281	4.11E+04	
1.562	1003.9	.289	4.54E+04	
1.613	1033.1	.297	4.41E+04	
1.689	1058.5	.308	4.41E+04	
1.765	1060.2	.320	4.26E+04	
1.816	1045.3	.327	3.89E+04	
1.867	1008.7	.334	4.18E+04	
1.918	995.7	.341	3.67E+04	
1.994	989.8	.350	3.34E+04	
2.070	991.1	.359	3.20E+04	

INEL POST-CHF EXPERIMENT NO. 174

POINT SERIAL NO. 3174.030 (TIME= 71.50 SEC)

LOOP PRESSURE(PE-3) 16.04 MPA
 FCV TEMPERATURE(TE-FCV-1T) 429.7 K
 LHP INLET ENTHALPY 6.699E+05 J/KG
 TEST SECTION:
 PRESSURE .72 MPA
 SAT TEMP 439.41 K
 MASS FLUX 35.60 KG/SEC-M**2
 INLET QUALITY -.016
 INLET ENTHALPY 6.699E+05 J/KG
 QUENCH FRONT:
 ELEVATION .262 M
 VELOCITY .0063 M/SEC
 QUALITY .038
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)
 1.841 1.579 805.9 .327 .236

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013	473.0	-.014	4.32E+04	
.051	492.0	-.008	4.93E+04	
.063	465.5	-.006	4.11E+04	
.089	479.3	-.002	4.40E+04	
.114	469.1	.002	4.28E+04	
.140	460.0	.005	4.31E+04	
.165	468.4	.010	6.40E+04	
.317	760.7	.055	1.05E+05	
.394	825.1	.077	6.64E+04	
.470	853.5	.095	6.61E+04	
.546	875.0	.112	6.48E+04	
.622	903.2	.129	6.29E+04	
.698	940.7	.145	6.03E+04	
.775	977.3	.161	6.03E+04	
.851	1006.6	.177	5.98E+04	
.927	1025.6	.192	5.60E+04	
1.003	1038.0	.207	5.50E+04	
1.079	998.2	.221	4.80E+04	8.99E-01
1.143	966.1	.231	4.28E+04	3.33E+02
1.181	905.6	.236	3.67E+04	2.55E+03
1.244	870.1	.244	3.75E+04	
1.308	945.0	.253	4.01E+04	
1.384	993.8	.263	4.13E+04	
1.460	984.1	.274	3.91E+04	
1.511	997.0	.281	4.11E+04	
1.562	1003.9	.289	4.54E+04	
1.613	1033.1	.297	4.41E+04	
1.689	1058.5	.308	4.41E+04	
1.765	1060.2	.320	4.26E+04	
1.816	1045.3	.327	3.89E+04	
1.867	1008.7	.334	4.18E+04	
1.918	995.7	.341	3.67E+04	
1.994	989.8	.350	3.34E+04	
2.070	991.1	.359	3.20E+04	

INEL POST-CHF EXPERIMENT NO. 174

POINT SERIAL NO. 1174.041 (TIME= 83.50 SEC)

(INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 16.04 MPA
 FCV TEMPERATURE(TE-FCV-1T) 429.6 K
 LHP INLET ENTHALPY 6.696E+05 J/KG
 TEST SECTION:
 PRESSURE .72 MPA
 SAT TEMP 439.36 K
 MASS FLUX 35.63 KG/SEC-M**2
 INLET QUALITY -.016
 INLET ENTHALPY 6.696E+05 J/KG
 QUENCH FRONT:
 ELEVATION .338 M
 VELOCITY .0063 M/SEC
 QUALITY .049
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 (INFERRED VAPOR TEMP)
 ELEVATION DZQF TV XE XA
 (M) (M) (K)
 1.232 .894 723.0 .232 .179

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013	465.7	-.014	4.08E+04	
.051	477.6	-.009	4.39E+04	
.063	461.1	-.007	3.93E+04	
.089	471.8	-.003	4.08E+04	
.114	463.0	.000	3.97E+04	
.140	455.2	.004	3.89E+04	
.165	459.4	.007	4.05E+04	
.317	529.5	.043	9.47E+04	
.394	788.1	.067	8.91E+04	
.470	819.1	.087	6.10E+04	
.546	842.1	.103	6.05E+04	
.622	871.4	.119	6.05E+04	
.698	913.1	.135	5.93E+04	
.775	951.3	.151	5.81E+04	
.851	980.9	.166	5.81E+04	
.927	1002.8	.181	5.70E+04	
1.003	1015.7	.196	5.73E+04	
1.079	985.8	.210	4.83E+04	
1.143	958.1	.220	4.56E+04	
1.181	902.2	.226	3.95E+04	1.54E+02
1.244	866.2	.235	4.12E+04	2.06E+03
1.308	941.7	.244	4.14E+04	
1.384	988.5	.255	4.31E+04	
1.460	981.8	.266	4.06E+04	
1.511	992.9	.274	4.20E+04	
1.562	994.9	.281	4.52E+04	
1.613	1025.4	.289	4.43E+04	
1.689	1050.8	.301	4.38E+04	
1.765	1055.2	.312	4.16E+04	
1.816	1041.3	.319	3.86E+04	
1.867	1003.9	.326	4.20E+04	
1.918	996.8	.333	3.80E+04	
1.994	994.7	.343	3.54E+04	
2.070	998.2	.352	3.35E+04	

INEL POST-CHF EXPERIMENT NO. 174

POINT SERIAL NO. 3174.040 (TIME= 83.50 SEC)

LOOP PRESSURE[PE-3] 16.04 MPA
 FCV TEMPERATURE[TE-FCV-1T] 429.6 K
 LHP INLET ENTHALPY 6.696E+05 J/KG
 TEST SECTION:
 PRESSURE .72 MPA
 SAT TEMP 439.36 K
 MASS FLUX 35.63 KG/SEC-M**2
 INLET QUALITY -.016
 INLET ENTHALPY 6.696E+05 J/KG
 QUENCH FRONT:
 ELEVATION .338 M
 VELOCITY .0063 M/SEC
 QUALITY .049
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.504	815.9	.319	.229

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	465.7	-.014	4.08E+04	
-.051	477.6	-.009	4.39E+04	
.063	461.1	-.007	3.93E+04	
.089	471.8	-.003	4.08E+04	
.114	463.0	.000	3.97E+04	
.140	455.2	.004	3.89E+04	
.165	459.4	.007	4.05E+04	
.317	529.5	.043	9.47E+04	
.394	788.1	.067	8.91E+04	
.470	819.1	.087	6.10E+04	
.546	842.1	.103	6.05E+04	
.622	871.4	.119	6.05E+04	
.698	913.1	.135	5.93E+04	
.775	951.3	.151	5.81E+04	
.851	980.9	.166	5.81E+04	
.927	1002.8	.181	5.70E+04	
1.003	1015.7	.196	5.73E+04	
1.079	985.8	.210	4.83E+04	
1.143	958.1	.220	4.56E+04	1.54E+02
1.181	902.2	.226	3.95E+04	2.06E+03
1.244	866.2	.235	4.12E+04	
1.308	941.7	.244	4.14E+04	
1.384	988.5	.255	4.31E+04	
1.460	981.8	.266	4.06E+04	
1.511	992.9	.274	4.20E+04	
1.562	994.9	.281	4.52E+04	
1.613	1025.4	.289	4.43E+04	
1.689	1050.8	.301	4.38E+04	
1.765	1055.2	.312	4.16E+04	
1.816	1041.3	.319	3.86E+04	
1.867	1003.9	.326	4.20E+04	
1.918	996.8	.333	3.80E+04	
1.994	994.7	.343	3.54E+04	
2.070	998.2	.352	3.35E+04	

INEL POST-CHF EXPERIMENT NO. 174

POINT SERIAL NO. 3174.050 (TIME= 93.50 SEC)

LOOP PRESSURE[PE-3] 16.05 MPA
 FCV TEMPERATURE[TE-FCV-1T] 429.6 K
 LHP INLET ENTHALPY 6.693E+05 J/KG
 TEST SECTION:
 PRESSURE .72 MPA
 SAT TEMP 439.34 K
 MASS FLUX 35.45 KG/SEC-M**2
 INLET QUALITY -.016
 INLET ENTHALPY 6.693E+05 J/KG
 QUENCH FRONT:
 ELEVATION .393 M
 VELOCITY .0052 M/SEC
 QUALITY .054
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.448	794.0	.314	.229

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	461.8	-.014	3.98E+04	
-.051	470.4	-.009	4.16E+04	
.063	458.8	-.007	3.88E+04	
.089	468.2	-.004	3.96E+04	
.114	460.3	-.000	3.89E+04	
.140	453.8	.003	3.81E+04	
.165	456.2	.006	3.90E+04	
.317	493.0	.032	5.88E+04	
.394	680.8	.055	1.09E+05	
.470	794.2	.078	6.76E+04	
.546	818.6	.095	5.75E+04	
.622	848.4	.110	5.86E+04	
.698	889.4	.126	6.01E+04	
.775	929.3	.142	6.02E+04	
.851	959.8	.157	5.80E+04	
.927	982.1	.173	5.77E+04	
1.003	995.0	.188	5.75E+04	
1.079	974.9	.202	4.86E+04	
1.143	948.9	.213	4.70E+04	7.10E+02
1.181	897.4	.219	4.10E+04	2.38E+03
1.244	859.2	.228	4.39E+04	
1.308	937.9	.238	4.25E+04	
1.384	983.1	.249	4.39E+04	
1.460	979.1	.260	4.14E+04	
1.511	989.0	.268	4.29E+04	
1.562	988.4	.276	4.42E+04	
1.613	1019.5	.283	4.39E+04	
1.689	1045.3	.295	4.38E+04	
1.765	1051.7	.306	4.20E+04	
1.816	1038.3	.314	3.91E+04	
1.867	1000.1	.321	4.21E+04	
1.918	997.3	.328	3.81E+04	
1.994	997.8	.338	3.60E+04	
2.070	1003.0	.347	3.47E+04	

INEL POST-CHF EXPERIMENT NO. 174

POINT SERIAL NO. 3174.060 [TIME= 109.50 SEC]

LOOP PRESSURE(PE-3) 16.02 MPA
 FCV TEMPERATURE(TE-FCV-1T) 429.4 K
 LHP INLET ENTHALPY 6.688E+05 J/KG
 TEST SECTION:
 PRESSURE .72 MPA
 SAT TEMP 439.34 K
 MASS FLUX 35.67 KG/SEC-M**2
 INLET QUALITY -.016
 INLET ENTHALPY 6.688E+05 J/KG
 QUENCH FRONT:
 ELEVATION .476 M
 VELOCITY .0052 M/SEC
 QUALITY .062
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.365	772.4	.309	.229

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION			HEAT LOSS W/M**2
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2		
.013	457.5	-.015	3.89E+04		
.051	463.6	-.010	3.96E+04		
.063	456.1	-.008	3.83E+04		
.089	464.7	-.004	3.85E+04		
.114	457.4	-.001	3.85E+04		
.140	452.6	.002	3.77E+04		
.165	453.4	.006	3.81E+04		
.317	474.1	.027	4.27E+04		
.394	507.1	.040	5.53E+04		
.470	642.3	.061	1.02E+05		
.546	788.4	.082	6.46E+04		
.622	817.4	.098	5.32E+04		
.698	853.9	.112	5.56E+04		
.775	891.7	.128	5.87E+04		
.851	926.3	.143	5.79E+04		
.927	949.2	.158	5.71E+04		
1.003	963.1	.173	5.53E+04		
1.079	956.1	.187	4.96E+04		
1.143	931.4	.197	4.78E+04	6.16E+02	
1.181	886.6	.203	4.22E+04	2.53E+03	
1.244	830.0	.217	8.54E+04		
1.308	929.1	.232	4.45E+04		
1.384	971.8	.244	4.58E+04		
1.460	971.8	.256	4.38E+04		
1.511	980.5	.263	4.36E+04		
1.562	978.8	.271	4.39E+04		
1.613	1010.3	.279	4.38E+04		
1.689	1035.9	.290	4.37E+04		
1.765	1044.2	.302	4.26E+04		
1.816	1031.9	.309	3.98E+04		
1.867	992.8	.316	4.26E+04		
1.918	997.4	.323	3.84E+04		
1.994	1001.0	.333	3.71E+04		
2.070	1006.8	.343	3.73E+04		

INEL POST-CHF EXPERIMENT NO. 175

POINT SERIAL NO. 1175.051 [TIME= 85.50 SEC]

[INFERRED VAPOR TEMP]
 LOOP PRESSURE(PE-3) 16.11 MPA
 FCV TEMPERATURE(TE-FCV-1T) 616.2 K
 LHP INLET ENTHALPY 1.614E+06 J/KG
 TEST SECTION:
 PRESSURE 3.50 MPA
 SAT TEMP 515.68 K
 MASS FLUX 25.89 KG/SEC-M**2
 INLET QUALITY .322
 INLET ENTHALPY 1.614E+06 J/KG
 QUENCH FRONT:
 ELEVATION .319 M
 VELOCITY .0067 M/SEC
 QUALITY .395
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.912	810.0	.683	.482

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION			HEAT LOSS W/M**2
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2		
.013	539.7	.324	2.64E+04		
.051	555.8	.330	3.18E+04		
.063	535.8	.332	2.59E+04		
.089	548.4	.336	2.85E+04		
.114	540.1	.340	2.90E+04		
.140	531.2	.345	3.35E+04		
.165	536.8	.351	4.85E+04		
.317	661.8	.394	5.28E+04		
.394	778.7	.422	7.83E+04		
.470	837.9	.455	7.41E+04		
.546	884.7	.485	6.57E+04		
.622	902.2	.513	6.61E+04		
.698	940.6	.540	6.09E+04		
.775	959.5	.566	5.80E+04		
.851	976.4	.590	5.52E+04		
.927	989.1	.613	5.31E+04		
1.003	987.4	.635	5.12E+04		
1.079	950.9	.655	3.99E+04		
1.143	919.5	.668	3.70E+04		
1.181	865.7	.676	3.13E+04	1.58E+03	
1.244	838.1	.688	3.75E+04		
1.308	900.4	.702	3.99E+04		
1.384	946.4	.719	4.02E+04		
1.460	960.8	.735	3.55E+04		
1.511	969.3	.746	3.74E+04		
1.562	969.3	.757	3.91E+04		
1.613	983.8	.767	3.67E+04		
1.689	990.5	.782	3.33E+04		
1.765	988.2	.796	3.03E+04		
1.816	982.6	.804	2.61E+04		
1.867	961.4	.811	2.46E+04		
1.918	938.6	.818	2.21E+04		
1.994	935.9	.827	1.94E+04		
2.070	934.0	.835	1.74E+04		

INEL POST-CHF EXPERIMENT NO. 175

POINT SERIAL NO. 3175.050 (TIME= 87.50 SEC)

LOOP PRESSURE{PE-3} 16.08 MPA
 FCV TEMPERATURE{TE-FCV-1T} 616.1 K
 LHP INLET ENTHALPY 1.614E+06 J/KG
 TEST SECTION:
 PRESSURE 3.50 MPA
 SAT TEMP 515.67 K
 MASS FLUX 25.89 KG/SEC-M**2
 INLET QUALITY .322
 INLET ENTHALPY 1.614E+06 J/KG
 QUENCH FRONT:
 ELEVATION .333 M
 VELOCITY .0067 M/SEC
 QUALITY .394
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.509	859.1	.797	.537

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	538.7	.324	2.60E+04	
.051	553.5	.330	3.08E+04	
.063	534.9	.332	2.53E+04	
.089	546.9	.336	2.76E+04	
.114	538.6	.340	2.74E+04	
.140	529.2	.344	2.78E+04	
.165	531.4	.349	4.30E+04	
.317	628.7	.389	5.00E+04	
.394	762.7	.415	7.58E+04	
.470	823.8	.448	7.43E+04	
.546	875.2	.477	6.46E+04	
.622	892.6	.505	6.52E+04	
.698	932.2	.532	6.07E+04	
.775	951.9	.558	5.78E+04	
.851	969.4	.582	5.50E+04	
.927	982.6	.605	5.31E+04	
1.003	981.2	.627	5.12E+04	
1.079	947.1	.647	4.01E+04	
1.143	916.2	.661	3.75E+04	
1.181	863.3	.668	3.17E+04	1.52E+03
1.244	834.2	.681	3.89E+04	
1.308	896.6	.695	3.96E+04	
1.384	942.6	.712	4.02E+04	
1.460	958.0	.728	3.58E+04	
1.511	966.1	.738	3.73E+04	
1.562	965.7	.749	3.91E+04	
1.613	980.8	.760	3.68E+04	
1.689	988.2	.775	3.36E+04	
1.765	986.5	.789	3.06E+04	
1.816	981.5	.797	2.66E+04	
1.867	960.9	.804	2.53E+04	
1.918	938.6	.811	2.27E+04	
1.994	936.5	.820	2.01E+04	
2.070	935.1	.829	1.79E+04	

INEL POST-CHF EXPERIMENT NO. 175

POINT SERIAL NO. 1175.061 (TIME= 96.50 SEC)

{INFERRED VAPOR TEMP}
 LOOP PRESSURE{PE-3} 16.06 MPA
 FCV TEMPERATURE{TE-FCV-1T} 616.0 K
 LHP INLET ENTHALPY 1.613E+06 J/KG
 TEST SECTION:
 PRESSURE 3.50 MPA
 SAT TEMP 515.66 K
 MASS FLUX 25.79 KG/SEC-M**2
 INLET QUALITY .322
 INLET ENTHALPY 1.613E+06 J/KG
 QUENCH FRONT:
 ELEVATION .397 M
 VELOCITY .0074 M/SEC
 QUALITY .397
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.835	760.0	.647	.478

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	534.8	.323	2.48E+04	
.051	545.2	.329	2.77E+04	
.063	531.7	.331	2.42E+04	
.089	541.9	.334	2.54E+04	
.114	534.1	.338	2.49E+04	
.140	525.7	.342	2.37E+04	
.165	526.0	.345	2.45E+04	
.317	603.8	.373	4.04E+04	
.394	692.7	.396	6.55E+04	
.470	755.1	.425	7.29E+04	
.546	835.5	.454	5.92E+04	
.622	852.3	.480	6.01E+04	
.698	895.9	.505	5.73E+04	
.775	917.9	.529	5.62E+04	
.851	939.2	.552	5.23E+04	
.927	953.8	.575	5.18E+04	
1.003	954.2	.597	4.96E+04	
1.079	929.6	.616	4.10E+04	
1.143	900.7	.630	3.84E+04	5.97E+02
1.181	851.1	.638	3.23E+04	2.60E+03
1.244	807.7	.654	5.90E+04	
1.308	880.3	.672	3.85E+04	
1.384	926.6	.688	3.77E+04	
1.460	945.9	.703	3.42E+04	
1.511	953.3	.713	3.46E+04	
1.562	951.7	.723	3.62E+04	
1.613	968.6	.734	3.47E+04	
1.689	978.8	.748	3.20E+04	
1.765	979.5	.761	3.00E+04	
1.816	976.5	.769	2.67E+04	
1.867	957.7	.777	2.65E+04	
1.918	938.3	.784	2.34E+04	
1.994	938.6	.794	2.13E+04	
2.070	939.2	.802	1.93E+04	

H-303

INEL POST-CHF EXPERIMENT NO. 175

POINT SERIAL NO. 3175.060 (TIME= 97.50 SEC)

LOOP PRESSURE[PE-3] 16.06 MPA
 FCV TEMPERATURE[TE-FCV-1T] 616.0 K
 LHP INLET ENTHALPY 1.613E+06 J/KG
 TEST SECTION:
 PRESSURE 3.50 MPA
 SAT TEMP 515.66 K
 MASS FLUX 25.79 KG/SEC-M**2
 INLET QUALITY .322
 INLET ENTHALPY 1.613E+06 J/KG
 QUENCH FRONT:
 ELEVATION .404 M
 VELOCITY .0074 M/SEC
 QUALITY .399
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.841	1.437	836.6	.771	.531

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	534.5	.323	2.47E+04	
.051	544.5	.329	2.75E+04	
.063	531.5	.331	2.42E+04	
.089	541.5	.334	2.53E+04	
.114	533.7	.338	2.48E+04	
.140	525.5	.341	2.36E+04	
.165	525.7	.345	2.44E+04	
.317	598.3	.372	3.95E+04	
.394	676.8	.395	6.50E+04	
.470	747.6	.424	7.24E+04	
.546	831.4	.453	5.92E+04	
.622	848.0	.478	6.03E+04	
.698	892.0	.504	5.73E+04	
.775	914.2	.528	5.64E+04	
.851	936.0	.551	5.23E+04	
.927	950.6	.574	5.15E+04	
1.003	951.3	.595	4.94E+04	
1.079	927.6	.615	4.08E+04	
1.143	898.9	.629	3.82E+04	6.58E+02
1.181	849.7	.636	3.22E+04	2.68E+03
1.244	803.1	.653	6.10E+04	
1.308	878.6	.671	3.81E+04	
1.384	924.9	.687	3.73E+04	
1.460	944.6	.702	3.38E+04	
1.511	952.0	.712	3.41E+04	
1.562	950.2	.722	3.60E+04	
1.613	967.3	.732	3.45E+04	
1.689	977.8	.746	3.16E+04	
1.765	978.7	.759	2.95E+04	
1.816	975.9	.767	2.64E+04	
1.867	957.2	.775	2.65E+04	
1.918	938.2	.782	2.33E+04	
1.994	938.7	.792	2.13E+04	
2.070	939.5	.800	1.92E+04	

INEL POST-CHF EXPERIMENT NO. 175

POINT SERIAL NO. 1175.071 (TIME= 105.50 SEC)

[INFERRED VAPOR TEMP]
 LOOP PRESSURE[PE-3] 16.07 MPA
 FCV TEMPERATURE[TE-FCV-1T] 616.1 K
 LHP INLET ENTHALPY 1.613E+06 J/KG
 TEST SECTION:
 PRESSURE 3.50 MPA
 SAT TEMP 515.68 K
 MASS FLUX 25.58 KG/SEC-M**2
 INLET QUALITY .322
 INLET ENTHALPY 1.613E+06 J/KG
 QUENCH FRONT:
 ELEVATION .456 M
 VELOCITY .0058 M/SEC
 QUALITY .410
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.776	720.0	.635	.488

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	532.3	.323	2.41E+04	
.051	540.2	.329	2.59E+04	
.063	529.7	.331	2.36E+04	
.089	538.9	.334	2.44E+04	
.114	531.5	.338	2.40E+04	
.140	524.4	.341	2.30E+04	
.165	524.0	.344	2.35E+04	
.317	558.9	.369	3.34E+04	
.394	643.9	.389	5.79E+04	
.470	694.2	.415	6.56E+04	
.546	801.2	.442	5.61E+04	
.622	817.9	.466	5.71E+04	
.698	864.5	.491	5.60E+04	
.775	887.1	.515	5.63E+04	
.851	912.3	.538	5.25E+04	
.927	927.9	.561	5.19E+04	
1.003	929.7	.583	5.05E+04	
1.079	913.2	.603	4.17E+04	
1.143	885.9	.618	3.96E+04	5.38E+02
1.181	829.9	.626	3.25E+04	2.47E+04
1.244	768.1	.644	6.98E+04	
1.308	866.3	.664	3.83E+04	
1.384	913.4	.680	3.77E+04	
1.460	935.8	.696	3.46E+04	
1.511	942.5	.706	3.53E+04	
1.562	939.4	.716	3.74E+04	
1.613	957.7	.727	3.59E+04	
1.689	970.5	.742	3.31E+04	
1.765	972.9	.756	3.15E+04	
1.816	971.4	.764	2.83E+04	
1.867	954.0	.773	2.80E+04	
1.918	937.4	.780	2.49E+04	
1.994	939.3	.791	2.32E+04	
2.070	941.7	.800	2.10E+04	

INEL POST-CHF EXPERIMENT NO. 175

POINT SERIAL NO. 1175.080 (TIME= 110.50 SEC)

LOOP PRESSURE(PE-3) 16.03 MPA
 FCV TEMPERATURE(TE-FCV-11) 616.0 K
 LHP INLET ENTHALPY 1.613E+06 J/KG
 TEST SECTION:
 PRESSURE 3.50 MPA
 SAT TEMP 515.65 K
 MASS FLUX 25.46 KG/SEC-M**2
 INLET QUALITY .322
 INLET ENTHALPY 1.613E+06 J/KG
 QUENCH FRONT:
 ELEVATION .485 M
 VELOCITY .0058 M/SEC
 QUALITY .417
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.747	703.2	.631	.493

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	531.6	.323	2.39E+04	
.051	538.7	.329	2.54E+04	
.063	529.2	.331	2.35E+04	
.089	538.0	.334	2.42E+04	
.114	530.8	.337	2.39E+04	
.140	524.1	.341	2.29E+04	
.165	523.5	.344	2.32E+04	
.317	552.5	.367	3.01E+04	
.394	622.3	.386	5.71E+04	
.470	678.2	.412	6.46E+04	
.546	790.9	.438	5.43E+04	
.622	807.1	.461	5.49E+04	
.698	854.2	.485	5.48E+04	
.775	877.1	.509	5.57E+04	
.851	903.4	.533	5.22E+04	
.927	919.4	.555	5.18E+04	
1.003	921.5	.578	5.04E+04	
1.079	907.9	.598	4.25E+04	
1.143	881.0	.613	4.02E+04	6.57E+02
1.181	824.6	.621	3.29E+04	2.82E+04
1.244	761.6	.640	7.41E+04	
1.308	861.6	.661	3.79E+04	
1.384	908.8	.677	3.75E+04	
1.460	932.4	.693	3.45E+04	
1.511	938.6	.703	3.55E+04	
1.562	935.3	.713	3.80E+04	
1.613	953.9	.724	3.63E+04	
1.689	967.4	.739	3.39E+04	
1.765	970.3	.754	3.26E+04	
1.816	969.3	.763	2.94E+04	
1.867	952.7	.771	2.89E+04	
1.918	936.9	.779	2.59E+04	
1.994	939.4	.790	2.44E+04	
2.070	942.3	.800	2.23E+04	

INEL POST-CHF EXPERIMENT NO. 175

POINT SERIAL NO. 1175.091 (TIME= 120.50 SEC)

(INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 16.05 MPA
 FCV TEMPERATURE(TE-FCV-11) 616.2 K
 LHP INLET ENTHALPY 1.615E+06 J/KG
 TEST SECTION:
 PRESSURE 3.50 MPA
 SAT TEMP 515.69 K
 MASS FLUX 25.62 KG/SEC-M**2
 INLET QUALITY .322
 INLET ENTHALPY 1.615E+06 J/KG
 QUENCH FRONT:
 ELEVATION .533 M
 VELOCITY .0041 M/SEC
 QUALITY .423
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.699	675.0	.614	.493

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	530.3	.324	2.36E+04	
.051	536.4	.329	2.47E+04	
.063	528.2	.331	2.33E+04	
.089	536.5	.334	2.39E+04	
.114	529.6	.338	2.36E+04	
.140	523.5	.341	2.27E+04	
.165	522.7	.344	2.29E+04	
.317	547.5	.366	2.71E+04	
.394	582.0	.380	3.65E+04	
.470	633.3	.402	6.64E+04	
.546	772.3	.428	5.10E+04	
.622	788.0	.450	5.13E+04	
.698	835.7	.472	5.15E+04	
.775	858.1	.495	5.43E+04	
.851	886.6	.518	5.08E+04	
.927	902.8	.540	5.11E+04	
1.003	906.2	.561	4.90E+04	
1.079	897.0	.581	4.29E+04	
1.143	870.8	.596	4.05E+04	
1.181	773.0	.604	2.85E+04	8.09E+02
1.244	731.3	.625	8.97E+04	4.27E+04
1.308	853.4	.648	3.71E+04	
1.384	900.8	.664	3.61E+04	
1.460	926.0	.679	3.40E+04	
1.511	931.7	.689	3.50E+04	
1.562	927.4	.699	3.88E+04	
1.613	946.8	.710	3.65E+04	
1.689	961.3	.725	3.37E+04	
1.765	965.0	.739	3.16E+04	
1.816	965.0	.748	2.94E+04	
1.867	949.4	.757	2.99E+04	
1.918	935.0	.765	2.70E+04	
1.994	938.6	.776	2.56E+04	
2.070	942.5	.787	2.33E+04	

INEL POST-CHF EXPERIMENT NO. 179

POINT SERIAL NO. 1179.010 (TIME= 83.50 SEC)

LOOP PRESSURE(PE-3) 15.90 MPA
 FCV TEMPERATURE[TE-FCV-1T] 616.3 K
 LHP INLET ENTHALPY 1.616E+06 J/KG
 TEST SECTION:
 PRESSURE 3.49 MPA
 SAT TEMP 515.61 K
 MASS FLUX 50.79 KG/SEC-M**2
 INLET QUALITY .323
 INLET ENTHALPY 1.616E+06 J/KG
 QUENCH FRONT:
 ELEVATION .590 M
 VELOCITY .0087 M/SEC
 QUALITY .444
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.642	591.6	.586	.519

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	532.6	.326	5.86E+04	
.051	538.9	.332	5.97E+04	
.063	531.2	.334	5.85E+04	
.089	539.7	.338	5.87E+04	
.114	531.4	.343	5.82E+04	
.140	527.1	.347	5.78E+04	
.165	526.4	.351	5.81E+04	
.317	547.2	.377	6.20E+04	
.394	574.2	.391	6.41E+04	
.470	584.1	.407	8.35E+04	
.546	671.2	.429	1.18E+05	
.622	813.1	.455	1.20E+05	
.698	848.8	.478	9.17E+04	
.775	867.2	.497	7.72E+04	
.851	888.5	.513	7.42E+04	
.927	900.0	.529	7.39E+04	
1.003	907.1	.545	7.40E+04	
1.079	897.2	.561	6.92E+04	2.67E+02
1.143	881.1	.573	6.31E+04	4.14E+03
1.181	850.4	.579	5.61E+04	7.74E+03
1.244	799.4	.591	6.80E+04	
1.308	906.9	.603	6.73E+04	
1.384	947.0	.618	6.73E+04	
1.460	947.2	.632	6.51E+04	
1.511	949.2	.642	6.64E+04	
1.562	931.0	.652	6.89E+04	
1.613	958.3	.661	6.66E+04	
1.689	980.0	.676	6.47E+04	
1.765	984.8	.690	6.28E+04	
1.816	976.3	.699	6.30E+04	
1.867	943.0	.708	6.47E+04	
1.918	949.4	.717	6.03E+04	
1.994	955.5	.730	5.72E+04	
2.070	957.4	.742	5.54E+04	

INEL POST-CHF EXPERIMENT NO. 179

POINT SERIAL NO. 1179.020 (TIME= 94.50 SEC)

LOOP PRESSURE(PE-3) 15.90 MPA
 FCV TEMPERATURE[TE-FCV-1T] 616.0 K
 LHP INLET ENTHALPY 1.614E+06 J/KG
 TEST SECTION:
 PRESSURE 3.50 MPA
 SAT TEMP 515.61 K
 MASS FLUX 50.77 KG/SEC-M**2
 INLET QUALITY .322
 INLET ENTHALPY 1.614E+06 J/KG
 QUENCH FRONT:
 ELEVATION .687 M
 VELOCITY .0092 M/SEC
 QUALITY .460
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.545	580.2	.584	.525

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	531.0	.324	5.85E+04	
.051	536.2	.331	5.90E+04	
.063	529.8	.333	5.83E+04	
.089	537.5	.337	5.88E+04	
.114	529.6	.341	5.84E+04	
.140	526.3	.346	5.79E+04	
.165	525.5	.350	5.80E+04	
.317	541.6	.376	6.06E+04	
.394	566.5	.389	6.21E+04	
.470	564.8	.403	6.59E+04	
.546	592.0	.418	7.41E+04	
.622	616.3	.438	1.08E+05	
.698	782.8	.464	1.28E+05	
.775	835.3	.489	1.01E+05	
.851	868.7	.508	7.67E+04	
.927	881.1	.525	7.51E+04	
1.003	888.5	.541	7.38E+04	
1.079	883.5	.557	7.03E+04	
1.143	869.1	.569	6.81E+04	7.85E+02
1.181	841.3	.576	6.19E+04	3.69E+03
1.244	779.5	.589	7.40E+04	
1.308	895.9	.602	6.85E+04	
1.384	936.0	.617	6.82E+04	
1.460	938.9	.631	6.63E+04	
1.511	939.2	.641	5.77E+04	
1.562	917.6	.651	7.09E+04	
1.613	948.3	.661	6.76E+04	
1.689	972.2	.676	6.54E+04	
1.765	979.2	.690	6.39E+04	
1.816	970.5	.699	6.43E+04	
1.867	934.7	.709	6.70E+04	
1.918	946.9	.718	6.15E+04	
1.994	956.3	.731	5.90E+04	
2.070	960.3	.744	5.72E+04	

INEL POST-CHF EXPERIMENT NO. 179

POINT SERIAL NO. 1179.030 (TIME= 102.50 SEC)

LOOP PRESSURE{PE-3} 15.97 MPA
 FCV TEMPERATURE{TE-FCV-1T} 615.9 K
 LHP INLET ENTHALPY 1.613E+06 J/KG
 TEST SECTION:
 PRESSURE 3.50 MPA
 SAT TEMP 515.62 K
 MASS FLUX 59.73 KG/SEC-M**2
 INLET QUALITY 322
 INLET ENTHALPY 1.613E+06 J/KG
 QUENCH FRONT:
 ELEVATION .759 M
 VELOCITY .0087 M/SEC
 QUALITY .474
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.472	557.9	.582	.540

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	530.0	.324	5.84E+04	
.051	534.8	.330	5.88E+04	
.063	529.0	.332	5.83E+04	
.089	536.3	.337	5.87E+04	
.114	528.6	.341	5.84E+04	
.140	525.8	.345	5.79E+04	
.165	525.0	.349	5.79E+04	
.317	538.7	.375	6.00E+04	
.394	562.2	.388	6.15E+04	
.470	557.8	.402	6.31E+04	
.546	579.8	.416	6.69E+04	
.622	562.1	.431	7.23E+04	
.698	651.1	.453	1.24E+05	
.775	793.3	.479	1.17E+05	
.851	842.8	.503	9.96E+04	
.927	865.3	.522	7.81E+04	
1.003	874.2	.539	7.53E+04	
1.079	872.7	.555	7.14E+04	
1.143	859.4	.567	6.56E+04	3.66E+03
1.181	833.6	.574	5.79E+04	8.12E+03
1.244	759.2	.587	8.12E+04	
1.308	886.3	.601	7.07E+04	
1.384	927.1	.616	6.97E+04	
1.460	931.8	.631	6.75E+04	
1.511	930.6	.641	6.87E+04	
1.562	905.3	.651	7.45E+04	
1.613	939.6	.662	6.93E+04	
1.689	965.5	.677	6.70E+04	
1.765	974.1	.691	6.53E+04	
1.816	964.9	.701	6.58E+04	
1.867	927.0	.710	6.87E+04	
1.918	943.8	.720	6.31E+04	
1.994	955.2	.733	6.11E+04	
2.070	960.6	.747	5.93E+04	

INEL POST-CHF EXPERIMENT NO. 179

POINT SERIAL NO. 1179.040 (TIME= 110.50 SEC)

LOOP PRESSURE{PE-3} 15.93 MPA
 FCV TEMPERATURE{TE-FCV-1T} 615.9 K
 LHP INLET ENTHALPY 1.613E+06 J/KG
 TEST SECTION:
 PRESSURE 3.49 MPA
 SAT TEMP 515.58 K
 MASS FLUX 50.69 KG/SEC-M**2
 INLET QUALITY .32
 INLET ENTHALPY 1.613E+06 J/KG
 QUENCH FRONT:
 ELEVATION .831 M
 VELOCITY .0097 M/SEC
 QUALITY .484
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.401	545.9	.582	.551

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	529.3	.324	5.83E+04	
.051	533.6	.330	5.87E+04	
.063	528.3	.332	5.83E+04	
.089	535.2	.337	5.86E+04	
.114	527.8	.341	5.83E+04	
.140	525.5	.345	5.79E+04	
.165	524.7	.349	5.78E+04	
.317	536.4	.375	5.96E+04	
.394	558.3	.388	6.13E+04	
.470	553.0	.402	6.17E+04	
.546	571.9	.415	6.42E+04	
.622	552.2	.429	6.42E+04	
.698	592.7	.445	7.87E+04	
.775	649.4	.466	1.12E+05	
.851	797.8	.491	1.16E+05	
.927	839.8	.514	9.84E+04	
1.003	858.5	.534	7.89E+04	
1.079	861.4	.550	7.22E+04	
1.143	849.4	.563	7.04E+04	
1.181	825.4	.571	6.85E+04	
1.244	729.4	.585	9.26E+04	
1.308	874.1	.601	7.58E+04	
1.384	917.1	.617	7.14E+04	
1.460	923.9	.632	6.86E+04	
1.511	921.4	.642	7.04E+04	
1.562	889.6	.653	7.94E+04	
1.613	929.8	.664	7.14E+04	
1.689	958.1	.679	6.84E+04	
1.765	968.1	.694	6.66E+04	
1.816	958.6	.704	6.69E+04	
1.867	918.0	.714	7.01E+04	
1.918	939.7	.724	6.45E+04	
1.994	952.7	.738	6.28E+04	
2.070	959.7	.751	6.11E+04	

INEL POST-CHF EXPERIMENT NO. 187

POINT SERIAL NO. 1187.02G (TIME= 43.50 SEC)

LOOP PRESSURE{PE-3} 15.74 MPA
 FCV TEMPERATURE{TE-FCV-1T} 586.4 K
 LHP INLET ENTHALPY 1.413E+06 J/KG
 TEST SECTION:
 PRESSURE 7.01 MPA
 SAT TEMP 559.06 K
 MASS FLUX 70.61 KG/SEC-M**2
 INLET QUALITY .096
 INLET ENTHALPY 1.413E+06 J/KG
 QUENCH FRONT:
 ELEVATION .271 M
 VELOCITY .0108 M/SEC
 QUALITY .183
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.961	605.8	.522	.466

WALL TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	596.9	.100	1.08E+05	
.051	625.1	.110	1.18E+05	
.063	589.9	.113	1.07E+05	
.089	606.9	.120	1.15E+05	
.114	594.7	.127	1.15E+05	
.140	585.1	.134	1.27E+05	
.165	597.0	.143	1.57E+05	
.317	814.7	.200	1.55E+05	
.394	877.3	.229	1.57E+05	
.470	897.8	.257	1.58E+05	
.546	931.6	.286	1.57E+05	
.622	935.1	.315	1.59E+05	
.698	969.4	.344	1.59E+05	
.775	984.6	.373	1.56E+05	
.851	1002.5	.401	1.53E+05	
.927	1014.9	.429	1.53E+05	
1.003	1011.6	.457	1.48E+05	
1.079	984.3	.482	1.31E+05	
1.143	964.7	.501	1.22E+05	4.64E+03
1.181	916.4	.512	1.05E+05	1.03E+04
1.244	909.0	.529	1.20E+05	
1.308	980.2	.548	1.33E+05	
1.384	1004.3	.573	1.38E+05	
1.461	1000.9	.597	1.27E+05	
1.511	1000.9	.613	1.29E+05	
1.562	1002.2	.628	1.28E+05	
1.613	1023.4	.643	1.21E+05	
1.689	1043.1	.665	1.18E+05	
1.765	905.9	.686	1.10E+05	
1.816	916.3	.699	1.07E+05	
1.867	987.3	.712	1.03E+05	
1.918	973.9	.724	9.49E+04	
1.994	971.9	.741	8.76E+04	
2.070	757.3	.757	9.39E+04	

INEL POST-CHF EXPERIMENT NO. 187

POINT SERIAL NO. 1187.03D (TIME= 55.50 SEC)

LOOP PRESSURE{PE-3} 15.53 MPA
 FCV TEMPERATURE{TE-FCV-1T} 586.2 K
 LHP INLET ENTHALPY 1.412E+06 J/KG
 TEST SECTION:
 PRESSURE 7.01 MPA
 SAT TEMP 559.01 K
 MASS FLUX 69.75 KG/SEC-M**2
 INLET QUALITY .096
 INLET ENTHALPY 1.412E+06 J/KG
 QUENCH FRONT:
 ELEVATION .398 M
 VELOCITY .0103 M/SEC
 QUALITY .206
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.834	574.6	.482	.463

WALL TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	585.3	.099	1.03E+05	
.051	601.9	.109	1.09E+05	
.063	581.0	.112	1.01E+05	
.089	591.7	.118	1.04E+05	
.114	582.0	.124	1.02E+05	
.140	571.7	.131	1.00E+05	
.165	571.2	.137	1.01E+05	
.317	636.4	.179	1.28E+05	
.394	745.3	.205	1.49E+05	
.470	808.5	.234	1.70E+05	
.546	869.8	.263	1.41E+05	
.622	869.9	.289	1.40E+05	
.698	905.2	.315	1.41E+05	
.775	921.7	.341	1.40E+05	
.851	944.6	.366	1.37E+05	
.927	955.8	.392	1.39E+05	
1.003	956.4	.418	1.38E+05	
1.079	945.6	.442	1.27E+05	
1.143	929.5	.461	1.19E+05	
1.181	892.1	.471	1.05E+05	
1.244	875.3	.489	1.21E+05	
1.308	936.6	.508	1.31E+05	
1.384	955.7	.533	1.35E+05	
1.460	965.9	.557	1.25E+05	
1.511	964.9	.572	1.26E+05	
1.562	965.7	.588	1.27E+05	
1.613	995.1	.603	1.21E+05	
1.689	1018.3	.626	1.20E+05	
1.765	890.4	.647	1.13E+05	
1.816	903.0	.661	1.11E+05	
1.867	978.3	.674	1.09E+05	
1.918	975.7	.687	1.00E+05	
1.994	981.1	.705	9.64E+04	
2.070	762.4	.723	9.70E+04	

INEL POST-CHF EXPERIMENT NO. 193

POINT SERIAL NO. 1193.031 (TIME= 29.50 SEC)
 {INFERRED VAPOR TEMP}
 LOOP PRESSURE[PE-3] 15.79 MPA
 FCV TEMPERATURE[TE-FCV-1T] 615.7 K
 LHP INLET ENTHALPY 1.612E+06 J/KG
 TEST SECTION:
 PRESSURE 6.99 MPA
 SAT TEMP 558.86 K
 MASS FLUX 65.71 KG/SEC-M**2
 INLET QUALITY .229
 INLET ENTHALPY 1.612E+06 J/KG
 QUENCH FRONT:
 ELEVATION .073 M
 VELOCITY .0044 M/SEC
 QUALITY .265
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

{INFERRED VAPOR TEMP}				
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.232	1.159	775.0	.725	.509

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	635.9	.234	1.67E+05	
.051	689.4	.252	2.01E+05	
.063	546.6	.258	1.78E+05	
.089	735.3	.275	3.31E+05	
.114	842.8	.294	2.41E+05	
.140	857.3	.308	2.09E+05	
.165	856.7	.321	1.84E+05	
.317	920.4	.392	1.76E+05	
.394	924.5	.425	1.65E+05	
.470	953.0	.457	1.61E+05	
.546	961.5	.488	1.56E+05	
.622	989.0	.519	1.55E+05	
.698	987.8	.549	1.48E+05	
.775	996.1	.577	1.41E+05	
.851	997.6	.604	1.38E+05	
.927	1019.4	.631	1.36E+05	
1.003	1044.3	.658	1.38E+05	
1.079	972.2	.683	1.15E+05	6.76E+03
1.181	996.1	.713	1.15E+05	5.19E+03
1.244	1017.9	.731	1.10E+05	
1.283	957.2	.751	2.95E+05	
1.321	579.6	.772	1.27E+05	

INEL POST-CHF EXPERIMENT NO. 193

POINT SERIAL NO. 1193.041 (TIME= 38.50 SEC)
 {INFERRED VAPOR TEMP}
 LOOP PRESSURE[PE-3] 15.75 MPA
 FCV TEMPERATURE[TE-FCV-1T] 615.8 K
 LHP INLET ENTHALPY 1.613E+06 J/KG
 TEST SECTION:
 PRESSURE 7.01 MPA
 SAT TEMP 559.01 K
 MASS FLUX 65.64 KG/SEC-M**2
 INLET QUALITY .229
 INLET ENTHALPY 1.613E+06 J/KG
 QUENCH FRONT:
 ELEVATION .165 M
 VELOCITY .0082 M/SEC
 QUALITY .299
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

{INFERRED VAPOR TEMP}				
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.232	1.067	742.0	.697	.508

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	601.6	.233	1.35E+05	
.051	628.6	.247	1.46E+05	
.063	584.0	.252	1.31E+05	
.089	601.3	.261	1.49E+05	
.114	601.6	.272	1.74E+05	
.140	605.7	.285	2.43E+05	
.165	703.5	.299	1.92E+05	
.317	869.5	.369	1.63E+05	
.394	883.9	.400	1.56E+05	
.470	914.5	.431	1.56E+05	
.546	928.0	.461	1.50E+05	
.622	957.3	.490	1.49E+05	
.698	961.3	.519	1.44E+05	
.775	974.5	.547	1.41E+05	
.851	979.7	.574	1.36E+05	
.927	1002.1	.601	1.37E+05	
1.003	1025.7	.628	1.38E+05	
1.079	967.4	.653	1.18E+05	5.43E+03
1.181	991.0	.684	1.18E+05	7.06E+03
1.244	1014.7	.703	1.18E+05	
1.283	651.1	.726	3.36E+05	
1.321	571.5	.748	1.21E+05	

INEL POST-CHF EXPERIMENT NO. 193

POINT SERIAL NO. 1193.051 (TIME= 45.50 SEC)
 [INFERRED VAPOR TEMP]
 LOOP PRESSURE(PE-3) 15.73 MPA
 FCV TEMPERATURE(TE-FCV-1T) 615.8 K
 LHP INLET ENTHALPY 1.613E+06 J/KG
 TEST SECTION:
 PRESSURE 7.02 MPA
 SAT TEMP 559.12 K
 MASS FLUX 65.61 KG/SEC-M**2
 INLET QUALITY .229
 INLET ENTHALPY 1.613E+06 J/KG
 QUENCH FRONT:
 ELEVATION .222 M
 VELOCITY .0082 M/SEC
 QUALITY .311
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 [INFERRED VAPOR TEMP]

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	1.009	730.0	.674	.499

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	589.1	.233	1.27E+05	
.051	608.0	.246	1.35E+05	
.063	575.5	.250	1.23E+05	
.089	584.4	.259	1.28E+05	
.114	579.9	.267	1.27E+05	
.140	575.8	.275	1.31E+05	
.165	587.1	.285	1.75E+05	
.317	839.6	.353	1.68E+05	
.394	859.3	.384	1.46E+05	
.470	889.5	.412	1.48E+05	
.546	906.5	.441	1.45E+05	
.622	936.9	.470	1.44E+05	
.698	944.6	.498	1.40E+05	
.775	958.8	.525	1.39E+05	
.851	967.5	.552	1.35E+05	
.927	989.3	.579	1.36E+05	
1.003	1012.6	.605	1.35E+05	
1.079	962.6	.630	1.19E+05	5.14E+03
1.181	984.9	.661	1.18E+05	7.36E+03
1.244	1008.4	.681	1.21E+05	
1.283	609.7	.694	1.52E+05	
1.321	568.6	.708	1.19E+05	

INEL POST-CHF EXPERIMENT NO. 193

POINT SERIAL NO. 1193.061 (TIME= 58.50 SEC)
 [INFERRED VAPOR TEMP]
 LOOP PRESSURE(PE-3) 15.68 MPA
 FCV TEMPERATURE(TE-FCV-1T) 615.9 K
 LHP INLET ENTHALPY 1.614E+06 J/KG
 TEST SECTION:
 PRESSURE 7.04 MPA
 SAT TEMP 559.30 K
 MASS FLUX 65.25 KG/SEC-M**2
 INLET QUALITY .229
 INLET ENTHALPY 1.614E+06 J/KG
 QUENCH FRONT:
 ELEVATION .330 M
 VELOCITY .0083 M/SEC
 QUALITY .349
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 [INFERRED VAPOR TEMP]

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.902	668.0	.672	.539

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	577.2	.233	1.21E+05	
.051	586.3	.245	1.25E+05	
.063	569.1	.249	1.18E+05	
.089	573.6	.257	1.20E+05	
.114	571.2	.265	1.19E+05	
.140	566.9	.273	1.18E+05	
.165	569.6	.281	1.20E+05	
.317	686.4	.343	1.95E+05	
.394	825.3	.378	1.60E+05	
.470	852.8	.408	1.43E+05	
.546	874.8	.436	1.40E+05	
.622	903.5	.464	1.40E+05	
.698	916.6	.491	1.37E+05	
.775	932.5	.518	1.35E+05	
.851	946.3	.545	1.33E+05	
.927	968.2	.571	1.31E+05	
1.003	992.6	.597	1.31E+05	
1.079	953.6	.622	1.20E+05	3.87E+03
1.181	972.2	.653	1.18E+05	7.74E+03
1.244	883.1	.693	3.63E+05	
1.283	572.1	.717	1.24E+05	
1.321	566.4	.729	1.17E+05	

INEL POST-CHF EXPERIMENT NO. 193

POINT SERIAL NO. 1193.071 (TIME= 66.50 SEC)
 {INFERRED VAPOR TEMP}
 LOOP PRESSURE{PE-3} 15.66 MPA
 FCV TEMPERATURE{TE-FCV-1T} 616.0 K
 LHP INLET ENTHALPY 1.614E+06 J/KG
 TEST SECTION:
 PRESSURE 7.05 MPA
 SAT TEMP 559.40 K
 MASS FLUX 65.16 KG/SEC-M**2
 INLET QUALITY .229
 INLET ENTHALPY 1.614E+06 J/KG
 QUENCH FRONT:
 ELEVATION .399 M
 VELOCITY .0098 M/SEC
 QUALITY .373
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
{INFERRED VAPOR TEMP}

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.833	630.0	.669	.570

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	574.1	.233	1.20E+05	
.051	580.9	.245	1.22E+05	
.063	567.8	.249	1.19E+05	
.089	571.4	.257	1.19E+05	
.114	569.6	.265	1.18E+05	
.140	565.8	.273	1.17E+05	
.165	567.2	.280	1.19E+05	
.317	597.8	.333	1.48E+05	
.394	699.9	.371	2.31E+05	
.470	837.7	.408	1.42E+05	
.546	861.7	.436	1.40E+05	
.622	891.0	.464	1.42E+05	
.698	905.3	.492	1.39E+05	
.775	922.6	.519	1.35E+05	
.851	937.9	.545	1.31E+05	
.927	960.6	.571	1.33E+05	
1.003	985.7	.598	1.31E+05	
1.079	950.1	.622	1.20E+05	4.50E+03
1.181	967.2	.654	1.17E+05	7.94E+03
1.244	685.5	.683	2.31E+05	
1.283	568.0	.700	1.20E+05	
1.321	566.2	.712	1.17E+05	

INEL POST-CHF EXPERIMENT NO. 197

POINT SERIAL NO. 1197.031 (TIME= 130.50 SEC)
 {INFERRED VAPOR TEMP}
 LOOP PRESSURE{PE-3} 16.33 MPA
 FCV TEMPERATURE{TE-FCV-1T} 585.2 K
 LHP INLET ENTHALPY 1.405E+06 J/KG
 TEST SECTION:
 PRESSURE 7.00 MPA
 SAT TEMP 558.89 K
 MASS FLUX 28.93 KG/SEC-M**2
 INLET QUALITY .091
 INLET ENTHALPY 1.405E+06 J/KG
 QUENCH FRONT:
 ELEVATION .546 M
 VELOCITY .0098 M/SEC
 QUALITY .380
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
{INFERRED VAPOR TEMP}

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.686	825.0	.816	.542

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	579.3	.096	7.13E+04	
.051	587.1	.113	7.42E+04	
.063	572.2	.118	6.93E+04	
.089	578.2	.128	7.03E+04	
.114	574.2	.139	6.95E+04	
.140	567.3	.149	6.84E+04	
.165	568.1	.159	6.94E+04	
.317	595.4	.224	7.58E+04	
.394	625.0	.263	1.03E+05	
.470	676.6	.318	1.45E+05	
.546	756.0	.380	1.31E+05	
.622	834.2	.441	1.41E+05	
.698	912.1	.501	1.31E+05	
.775	950.4	.557	1.24E+05	
.851	984.3	.610	1.15E+05	
.927	1018.3	.660	1.09E+05	
1.003	1050.7	.707	1.04E+05	
1.079	1048.5	.750	8.69E+04	
1.143	1046.8	.781	8.39E+04	3.52E+01
1.181	996.1	.799	7.11E+04	3.37E+03
1.244	1008.4	.824	6.43E+04	
1.283	980.0	.837	5.77E+04	
1.321	993.7	.850	5.36E+04	

INEL POST-CHF EXPERIMENT NO. 197

POINT SERIAL NO. 1197.041 (TIME= 138.50 SEC)
 [INFERRED VAPOR TEMP]
 LOOP PRESSURE[PE-3] 16.34 MPA
 FCV TEMPERATURE[TE-FCV-1T] 585.3 K
 LHP INLET ENTHALPY 1.405E+06 J/KG
 TEST SECTION:
 PRESSURE 7.00 MPA
 SAT TEMP 558.92 K
 MASS FLUX 29.16 KG/SEC-M**2
 INLET QUALITY .092
 INLET ENTHALPY 1.405E+06 J/KG
 QUENCH FRONT:
 ELEVATION .629 M
 VELOCITY .0109 M/SEC
 QUALITY .391
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.603	792.0	.787	.542

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	575.5	.097	7.02E+04	
.051	581.0	.112	7.20E+04	
.063	570.2	.118	6.88E+04	
.089	575.3	.128	6.94E+04	
.114	571.9	.138	6.90E+04	
.140	566.0	.148	6.81E+04	
.165	566.0	.158	6.86E+04	
.317	588.6	.220	7.24E+04	
.394	610.5	.253	7.56E+04	
.470	619.2	.289	8.78E+04	
.546	667.0	.333	1.11E+05	
.622	718.3	.385	1.26E+05	
.698	826.9	.448	1.56E+05	
.775	899.9	.510	1.27E+05	
.851	941.0	.565	1.21E+05	
.927	979.8	.618	1.17E+05	
1.003	1016.7	.668	1.13E+05	
1.079	1029.9	.714	9.41E+04	
1.143	1029.1	.749	9.41E+04	1.11E+01
1.181	986.2	.768	8.08E+04	3.03E+03
1.244	1002.6	.797	7.66E+04	
1.283	983.3	.813	7.05E+04	
1.321	1001.5	.828	6.43E+04	

INEL POST-CHF EXPERIMENT NO. 197

POINT SERIAL NO. 1197.050 (TIME= 146.50 SEC)
 LOOP PRESSURE[PE-3] 16.34 MPA
 FCV TEMPERATURE[TE-FCV-1T] 585.2 K
 LHP INLET ENTHALPY 1.405E+06 J/KG
 TEST SECTION:
 PRESSURE 7.00 MPA
 SAT TEMP 558.94 K
 MASS FLUX 29.63 KG/SEC-M**2
 INLET QUALITY .091
 INLET ENTHALPY 1.405E+06 J/KG
 QUENCH FRONT:
 ELEVATION .720 M
 VELOCITY .0117 M/SEC
 QUALITY .427
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.511	744.2	.757	.551

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	572.9	.096	6.94E+04	
.051	577.0	.112	7.06E+04	
.063	568.7	.117	6.86E+04	
.089	573.2	.127	6.91E+04	
.114	570.2	.137	6.88E+04	
.140	565.2	.147	6.78E+04	
.165	564.8	.157	6.83E+04	
.317	584.0	.218	7.13E+04	
.394	603.5	.249	7.33E+04	
.470	605.2	.282	7.66E+04	
.546	627.2	.317	8.31E+04	
.622	635.0	.358	1.02E+05	
.698	687.5	.410	1.41E+05	
.775	823.7	.468	1.23E+05	
.851	893.2	.521	1.21E+05	
.927	934.6	.574	1.22E+05	
1.003	972.6	.628	1.23E+05	
1.079	1003.4	.677	1.04E+05	
1.143	1002.1	.714	1.05E+05	
1.181	968.0	.736	9.15E+04	2.96E+03
1.244	985.5	.769	9.00E+04	
1.283	977.7	.787	8.03E+04	
1.321	1001.8	.804	7.20E+04	

INEL POST-CHF EXPERIMENT NO. 197

POINT SERIAL NO. 1197.060 (TIME= 152.50 SEC)

LOOP PRESSURE(PE-3) 16.37 MPA
 FCV TEMPERATURE(TE-FCV-11) 585.1 K
 LHP INLET ENTHALPY 1.405E+06 J/KG
 TEST SECTION:
 PRESSURE 7.00 MPA
 SAT TEMP 558.93 K
 MASS FLUX 29.55 KG/SEC-M**2
 INLET QUALITY .091
 INLET ENTHALPY 1.405E+06 J/KG
 QUENCH FRONT:
 ELEVATION .770 M
 VELOCITY .0072 M/SEC
 QUALITY .440
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.462	727.3	.731	.543

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	571.5	-.096	6.91E+04	
.051	574.7	-.111	7.00E+04	
.063	567.9	-.116	6.84E+04	
.089	572.0	-.126	6.88E+04	
.114	569.1	-.136	6.87E+04	
.140	564.8	-.146	6.79E+04	
.165	564.1	-.156	6.81E+04	
.317	581.3	-.217	7.06E+04	
.394	599.6	-.248	7.23E+04	
.470	599.5	-.279	7.40E+04	
.546	617.9	-.313	7.79E+04	
.622	603.2	-.347	8.24E+04	
.698	664.1	-.392	1.22E+05	
.775	757.0	-.443	1.13E+05	
.851	855.9	-.494	1.21E+05	
.927	900.0	-.547	1.20E+05	
1.003	937.9	-.600	1.24E+05	
1.079	980.8	-.650	1.05E+05	
1.143	978.6	-.688	1.07E+05	
1.181	950.2	-.710	8.96E+04	7.03E+03
1.244	969.0	-.743	9.18E+04	
1.283	971.4	-.762	7.91E+04	
1.321	1000.4	-.778	7.13E+04	

INEL POST-CHF EXPERIMENT NO. 197

POINT SERIAL NO. 1197.070 (TIME= 165.50 SEC)

LOOP PRESSURE(PE-3) 16.36 MPA
 FCV TEMPERATURE(TE-FCV-11) 585.0 K
 LHP INLET ENTHALPY 1.404E+06 J/KG
 TEST SECTION:
 PRESSURE 7.00 MPA
 SAT TEMP 558.94 K
 MASS FLUX 29.47 KG/SEC-M**2
 INLET QUALITY .091
 INLET ENTHALPY 1.404E+06 J/KG
 QUENCH FRONT:
 ELEVATION .862 M
 VELOCITY .0071 M/SEC
 QUALITY .465
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.369	670.4	.688	.550

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	569.2	-.096	6.86E+04	
.051	571.5	-.111	6.90E+04	
.063	566.5	-.116	6.82E+04	
.089	570.1	-.126	6.85E+04	
.114	567.4	-.136	6.84E+04	
.140	564.0	-.146	6.78E+04	
.165	563.1	-.156	6.79E+04	
.317	576.9	-.216	6.97E+04	
.394	592.9	-.247	7.12E+04	
.470	591.1	-.279	7.18E+04	
.546	604.8	-.311	7.41E+04	
.622	589.4	-.343	7.29E+04	
.698	619.4	-.376	7.94E+04	
.775	641.9	-.413	8.87E+04	
.851	678.9	-.458	1.15E+05	
.927	828.3	-.508	1.16E+05	
1.003	866.0	-.559	1.14E+05	
1.079	931.8	-.606	1.03E+05	
1.143	924.0	-.645	1.09E+05	
1.181	907.9	-.667	8.94E+04	9.53E+030
1.244	930.7	-.700	9.42E+04	
1.283	961.0	-.719	7.72E+04	
1.321	999.0	-.735	7.10E+04	

INEL POST-CHF EXPERIMENT NO. 197

POINT SERIAL NO. 1197.081 (TIME= 126.50 SEC)
 (INFERRED VAPOR TEMP)
 LOOP PRESSURE (PE-3) 16.31 MPa
 FCV TEMPERATURE (TE-FCV-11) 585.3 K
 LHP INLET ENTHALPY 1.406E+06 J/KG
 TEST SECTION:
 PRESSURE 7.00 MPa
 SAT TEMP 558.91 K
 MASS FLUX 29.17 KG/SEC-M**2
 INLET QUALITY .092
 INLET ENTHALPY 1.406E+06 J/KG
 QUENCH FRONT:
 ELEVATION .936 M
 VELOCITY .0068 M/SEC
 QUALITY .497
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 (INFERRED VAPOR TEMP) TV XE XA
 ELEVATION (M) DZQF (M) (K)

1.232 .296 630.0 .680 .580

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION (M) TEMP (K) HEAT FLUX W/M**2 HEAT LOSS W/M**2

.013 567.9 .097 6.88E+04
 .051 569.8 .112 6.90E+04
 .063 565.6 .117 6.86E+04
 .089 568.8 .127 6.88E+04
 .114 566.3 .137 6.87E+04
 .140 563.5 .147 6.82E+04
 .165 562.5 .157 6.84E+04
 .194 574.2 .218 6.96E+04
 .394 548.4 .249 7.10E+04
 .470 586.0 .281 7.12E+04
 .546 596.8 .313 7.31E+04
 .622 583.4 .345 7.14E+04
 .698 606.4 .377 7.57E+04
 .775 623.4 .411 7.76E+04
 .851 631.3 .448 8.82E+04
 .927 705.0 .492 1.12E+05
 1.003 800.5 .541 1.11E+05
 1.079 891.9 .588 9.90E+04
 1.143 877.0 .625 1.04E+05
 1.181 869.8 .647 9.83E+04
 1.244 876.7 .690 1.38E+05
 1.283 947.5 .715 8.46E+04
 1.321 993.4 .733 7.77E+04

INEL POST-CHF EXPERIMENT NO. 197

POINT SERIAL NO. 1197.090 (TIME= 185.50 SEC)
 LOOP PRESSURE (PE-3) 16.37 MPa
 FCV TEMPERATURE (TE-FCV-11) 585.5 K
 LHP INLET ENTHALPY 1.407E+06 J/KG
 TEST SECTION:
 PRESSURE 7.00 MPa
 SAT TEMP 558.91 K
 MASS FLUX 29.17 KG/SEC-M**2
 INLET QUALITY .092
 INLET ENTHALPY 1.407E+06 J/KG
 QUENCH FRONT:
 ELEVATION .989 M
 VELOCITY .0055 M/SEC
 QUALITY .518
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION (M) DZQF (M) TV XE XA
 (K)

1.232 .243 607.2 .659 .586

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION (M) TEMP (K) HEAT FLUX W/M**2 HEAT LOSS W/M**2

.013 567.0 .098 6.89E+04
 .051 568.7 .113 6.92E+04
 .063 565.0 .118 6.87E+04
 .089 568.0 .128 6.89E+04
 .114 565.6 .138 6.88E+04
 .140 563.2 .148 6.85E+04
 .165 562.1 .158 6.85E+04
 .194 572.6 .219 6.96E+04
 .394 585.3 .250 7.07E+04
 .470 582.8 .282 7.08E+04
 .546 591.7 .313 7.22E+04
 .622 580.0 .345 7.08E+04
 .698 599.0 .377 7.39E+04
 .775 614.2 .410 7.55E+04
 .851 618.5 .443 7.61E+04
 .927 640.5 .481 9.51E+04
 1.003 695.0 .526 1.09E+05
 1.079 865.4 .571 9.36E+04
 1.143 848.0 .606 9.35E+04
 1.181 844.9 .626 9.01E+04
 1.244 777.0 .670 1.51E+05
 1.283 932.1 .696 8.36E+04
 1.321 984.1 .714 7.91E+04

INEL POST-CHF EXPERIMENT NO. 197

POINT SERIAL NO. 1197.100 (TIME= 195.50 SEC)

LOOP PRESSURE[PE-3] 16.46 MPA
 FCV TEMPERATURE[TE-FCV-11] 585.7 K
 LHP INLET ENTHALPY 1.407E+06 J/KG
 TEST SECTION:
 PRESSURE 7.00 MPA
 SAT TEMP 558.92 K
 MASS FLUX 29.10 KG/SEC-M**2
 INLET QUALITY .093
 INLET ENTHALPY 1.407E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.094 M
 VELOCITY .0057 M/SEC
 QUALITY .534
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.188	590.3	.654	.603

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	566.3	-.098	6.87E+04	
.051	567.8	-.113	6.88E+04	
.063	564.5	-.118	6.85E+04	
.089	567.3	-.128	6.88E+04	
.114	565.0	-.139	6.86E+04	
.140	563.0	-.149	6.83E+04	
.165	561.8	-.159	6.84E+04	
.317	571.2	-.220	6.93E+04	
.394	582.5	-.251	7.04E+04	
.470	580.1	-.282	7.02E+04	
.546	587.4	-.313	7.13E+04	
.622	577.2	-.344	7.02E+04	
.698	593.1	-.376	7.24E+04	
.775	606.6	-.408	7.40E+04	
.851	610.7	-.441	7.39E+04	
.927	617.5	-.474	7.78E+04	
1.003	611.0	-.512	9.26E+04	
1.079	842.5	-.553	9.48E+04	
1.143	822.9	-.591	1.10E+05	
1.181	826.1	-.618	1.28E+05	
1.244	700.4	-.662	1.11E+05	
1.283	919.6	-.683	7.83E+04	
1.321	974.9	-.700	7.63E+04	

INEL POST-CHF EXPERIMENT NO. 198

POINT SERIAL NO. 1198.010 (TIME= 37.50 SEC)

LOOP PRESSURE[PE-3] 16.29 MPA
 FCV TEMPERATURE[TE-FCV-11] 585.4 K
 LHP INLET ENTHALPY 1.406E+06 J/KG
 TEST SECTION:
 PRESSURE 7.00 MPA
 SAT TEMP 558.93 K
 MASS FLUX 39.51 KG/SEC-M**2
 INLET QUALITY .092
 INLET ENTHALPY 1.406E+06 J/KG
 QUENCH FRONT:
 ELEVATION .097 M
 VELOCITY .0090 M/SEC
 QUALITY .171
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	1.135	871.7	.930	.589

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	650.6	-.100	1.51E+05	
.051	714.8	-.129	2.03E+05	
.063	629.6	-.140	2.03E+05	
.089	749.8	-.163	2.22E+05	
.114	838.3	-.188	2.32E+05	
.140	856.3	-.213	2.32E+05	
.165	836.3	-.238	2.26E+05	
.317	939.7	-.376	1.97E+05	
.394	971.1	-.439	1.89E+05	
.470	1005.5	-.500	1.87E+05	
.546	1027.4	-.559	1.70E+05	
.622	1053.0	-.614	1.68E+05	
.698	1062.9	-.665	1.48E+05	
.775	1073.4	-.712	1.38E+05	
.851	1075.5	-.756	1.30E+05	
.927	1089.6	-.797	1.22E+05	
1.003	1109.0	-.837	1.24E+05	
1.079	1032.7	-.873	9.76E+04	1.05E+03
1.143	1070.7	-.900	9.91E+04	
1.181	1023.3	-.915	8.76E+04	7.48E+03
1.245	1060.6	-.938	8.25E+04	
1.283	1014.3	-.952	9.28E+04	
1.321	1010.3	-.967	8.88E+04	

INEL POST-CHF EXPERIMENT NO. 198

POINT SERIAL NO. 1198.020 {TIME= 45.50 SEC}

LOOP PRESSURE (PE-3) 16.39 MPa
 FCV TEMPERATURE (TE-FCV-11) 585.3 K
 LHP INLET ENTHALPY 1.405E+06 J/KG

TEST SECTION:
 PRESSURE 7.00 MPa
 SAT TEMP 558.92 K
 MASS FLUX 40.11 KG/SEC-M**2

INLET QUALITY
 INLET ENTHALPY 1.405E+06 J/KG
 QUENCH FRONT:
 ELEVATION .177 M
 VELOCITY .0129 M/SEC
 QUALITY .207

NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M) DZQF (M) TV (K) XE XA

1.232 1.055 785.0 .859 .596

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M) TEMP (K) XE HEAT FLUX W/M**2 HEAT LOSS W/M**2

-013 614.9 -098 1.15E+05
 -051 644.3 -117 1.30E+05
 -063 599.8 -124 1.14E+05
 -089 624.5 -139 1.60E+05
 -114 646.6 -157 1.86E+05
 -140 616.3 -177 1.87E+05
 -165 661.7 -198 1.97E+05
 -317 865.7 -318 1.75E+05
 -394 901.8 -373 1.65E+05
 -470 934.7 -427 1.71E+05
 -546 966.6 -480 1.63E+05
 -622 993.3 -533 1.64E+05
 -698 1016.3 -584 1.50E+05
 -775 1034.1 -631 1.43E+05
 -851 1043.2 -675 1.34E+05
 -927 1061.8 -718 1.30E+05
 1.003 1081.5 -759 1.28E+05
 1.079 1021.7 -797 1.06E+05
 1.143 1060.2 -825 1.09E+05
 1.181 1015.1 -842 9.59E+04
 1.244 1054.3 -868 1.01E+05
 1.283 1006.8 -885 1.07E+05
 1.321 1008.7 -902 9.82E+04

2.03E+03
 4.22E+02
 8.15E+03

INEL POST-CHF EXPERIMENT NO. 198

POINT SERIAL NO. 1198.031 {TIME= 50.50 SEC}

LOOP PRESSURE (PE-3) 16.40 MPa
 FCV TEMPERATURE (TE-FCV-11) 585.2 K
 LHP INLET ENTHALPY 1.405E+06 J/KG

TEST SECTION:
 PRESSURE 7.00 MPa
 SAT TEMP 558.95 K
 MASS FLUX 40.21 KG/SEC-M**2

INLET QUALITY
 INLET ENTHALPY 1.405E+06 J/KG
 QUENCH FRONT:
 ELEVATION .241 M
 VELOCITY .0133 M/SEC
 QUALITY .231

NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M) DZQF (M) TV (K) XE XA

1.232 .991 775.0 .819 .575

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M) TEMP (K) XE HEAT FLUX W/M**2 HEAT LOSS W/M**2

-013 602.5 -097 1.06E+05
 -051 625.1 -115 1.15E+05
 -063 585.6 -120 1.01E+05
 -089 599.8 -132 1.11E+05
 -114 593.9 -144 1.16E+05
 -140 598.4 -158 1.52E+05
 -165 619.4 -176 1.76E+05
 -317 806.1 -287 1.72E+05
 -394 864.8 -340 1.61E+05
 -470 898.9 -392 1.59E+05
 -546 930.6 -442 1.54E+05
 -622 956.4 -492 1.58E+05
 -698 985.8 -541 1.48E+05
 -775 1006.3 -588 1.45E+05
 -851 1020.8 -632 1.34E+05
 -927 1041.3 -675 1.31E+05
 1.003 1062.1 -717 1.29E+05
 1.079 1011.8 -755 1.10E+05
 1.143 1049.4 -784 1.12E+05
 1.181 1006.4 -801 9.88E+04
 1.244 1043.5 -829 1.09E+05
 1.283 996.8 -847 1.13E+05
 1.321 1002.5 -865 1.11E+05

1.58E+03
 2.01E+03
 9.11E+03

INEL POST-CHF EXPERIMENT NO. 198

POINT SERIAL NO. 1198.040 (TIME= 57.50 SEC)

LOOP PRESSURE[PE-3] 16.31 MPA
 FCV TEMPERATURE[TE-FCV-11] 585.3 K
 LHP INLET ENTHALPY 1.405E+06 J/KG
 TEST SECTION:
 PRESSURE 7.00 MPA
 SAT TEMP 558.94 K
 MASS FLUX 40.43 KG/SEC-M**2
 INLET QUALITY .092
 INLET ENTHALPY 1.405E+06 J/KG
 QUENCH FRONT:
 ELEVATION .335 M
 VELOCITY .0133 M/SEC
 QUALITY .253
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	IV (K)	XE	XA
1.232	.897	733.9	.758	.559

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	591.6	.097	9.94E+04	
.051	607.2	.113	1.06E+05	
.063	578.5	.119	9.55E+04	
.089	587.6	.129	9.89E+04	
.114	582.0	.139	9.72E+04	
.140	573.6	.150	9.72E+04	
.165	578.1	.160	1.04E+05	
.317	679.2	.242	1.52E+05	
.394	814.8	.292	1.61E+05	
.470	847.6	.343	1.55E+05	
.546	887.5	.390	1.43E+05	
.622	910.3	.436	1.47E+05	
.698	945.7	.482	1.42E+05	
.775	967.8	.528	1.41E+05	
.851	989.8	.571	1.32E+05	
.927	1012.5	.613	1.30E+05	
1.003	1033.4	.654	1.29E+05	
1.079	996.0	.693	1.13E+05	2.48E+02
1.143	1030.8	.723	1.15E+05	2.59E+03
1.181	991.2	.740	1.02E+05	9.12E+03
1.244	1023.7	.769	1.14E+05	
1.283	978.8	.787	1.16E+05	
1.321	961.7	.811	1.78E+05	

INEL POST-CHF EXPERIMENT NO. 198

POINT SERIAL NO. 1198.050 (TIME= 61.50 SEC)

LOOP PRESSURE[PE-3] 16.33 MPA
 FCV TEMPERATURE[TE-FCV-11] 585.4 K
 LHP INLET ENTHALPY 1.406E+06 J/KG
 TEST SECTION:
 PRESSURE 7.00 MPA
 SAT TEMP 558.96 K
 MASS FLUX 40.55 KG/SEC-M**2
 INLET QUALITY .092
 INLET ENTHALPY 1.406E+06 J/KG
 QUENCH FRONT:
 ELEVATION .393 M
 VELOCITY .0155 M/SEC
 QUALITY .277
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	IV (K)	XE	XA
1.232	.839	719.0	.742	.557

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	587.2	.097	9.74E+04	
.051	599.7	.113	1.03E+05	
.063	576.0	.118	9.38E+04	
.089	583.7	.128	9.62E+04	
.114	578.9	.138	9.47E+04	
.140	570.8	.148	9.37E+04	
.165	574.2	.158	9.57E+04	
.317	647.5	.232	1.34E+05	
.394	698.8	.277	1.51E+05	
.470	824.2	.327	1.66E+05	
.546	865.2	.377	1.44E+05	
.622	886.5	.422	1.44E+05	
.698	924.1	.467	1.40E+05	
.775	946.6	.512	1.39E+05	
.851	972.6	.555	1.32E+05	
.927	995.9	.597	1.31E+05	
1.003	1017.8	.638	1.28E+05	
1.079	986.7	.676	1.13E+05	
1.143	1019.1	.707	1.16E+05	3.34E+03
1.181	982.0	.724	1.03E+05	8.12E+03
1.244	1011.7	.753	1.13E+05	
1.283	967.9	.771	1.18E+05	
1.321	919.9	.796	1.99E+05	

INEL POST-CHF EXPERIMENT NO. 198

POINT SERIAL NO. 1198.060 (TIME= 65.50 SEC)

LOOP PRESSURE(PE-3) 16.37 MPA
 FCV TEMPERATURE(TE-FCV-1T) 585.4 K
 LHP INLET ENTHALPY 1.406E+06 J/KG
 TEST SECTION:
 PRESSURE 7.00 MPA
 SAT TEMP 558.96 K
 MASS FLUX 40.53 KG/SEC-M**2
 INLET QUALITY .092
 INLET ENTHALPY 1.406E+06 J/KG
 QUENCH FRONT:
 ELEVATION .453 M
 VELOCITY .0142 M/SEC
 QUALITY .302
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.779	712.8	.731	.553

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	583.7	.097	9.58E+04	
.051	593.8	.113	1.00E+05	
.063	574.1	.118	9.29E+04	
.089	580.8	.128	9.46E+04	
.114	576.6	.138	9.34E+04	
.140	569.1	.148	9.22E+04	
.165	571.6	.157	9.38E+04	
.317	604.3	.224	1.16E+05	
.394	625.6	.265	1.41E+05	
.470	766.1	.313	1.62E+05	
.546	835.9	.364	1.60E+05	
.622	864.1	.412	1.38E+05	
.698	903.1	.456	1.37E+05	
.775	926.4	.499	1.35E+05	
.851	955.1	.541	1.31E+05	
.927	978.7	.583	1.32E+05	
1.003	1000.9	.625	1.31E+05	
1.079	976.8	.664	1.15E+05	
1.143	1006.1	.695	1.19E+05	2.49E+03
1.181	972.1	.713	1.06E+05	7.29E+03
1.244	999.0	.742	1.16E+05	
1.283	951.9	.763	1.51E+05	
1.321	856.1	.794	2.39E+05	

INEL POST-CHF EXPERIMENT NO. 198

POINT SERIAL NO. 1198.071 (TIME= 70.50 SEC)

[INFERRED VAPOR TEMP]
 LOOP PRESSURE(PE-3) 16.34 MPA
 FCV TEMPERATURE(TE-FCV-1T) 585.5 K
 LHP INLET ENTHALPY 1.407E+06 J/KG
 TEST SECTION:
 PRESSURE 7.00 MPA
 SAT TEMP 558.96 K
 MASS FLUX 40.66 KG/SEC-M**2
 INLET QUALITY .093
 INLET ENTHALPY 1.407E+06 J/KG
 QUENCH FRONT:
 ELEVATION .519 M
 VELOCITY .0100 M/SEC
 QUALITY .328
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.713	690.0	.711	.553

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	580.3	.098	9.45E+04	
.051	588.0	.113	9.77E+04	
.063	572.3	.118	9.22E+04	
.089	578.1	.128	9.34E+04	
.114	574.5	.138	9.26E+04	
.140	567.8	.147	9.15E+04	
.165	569.3	.157	9.27E+04	
.317	593.3	.218	9.96E+04	
.394	617.1	.252	1.13E+05	
.470	645.3	.294	1.55E+05	
.546	805.9	.346	1.71E+05	
.622	839.3	.396	1.43E+05	
.698	879.0	.440	1.33E+05	
.775	904.2	.482	1.31E+05	
.851	934.5	.523	1.29E+05	
.927	957.8	.564	1.29E+05	
1.003	980.3	.605	1.29E+05	
1.079	964.1	.643	1.15E+05	
1.143	990.0	.674	1.18E+05	2.81E+03
1.181	959.5	.692	1.04E+05	6.76E+03
1.244	981.8	.722	1.19E+05	
1.283	896.7	.749	2.29E+05	
1.321	783.3	.785	2.25E+05	

INEL POST-CHF EXPERIMENT NO. 198

POINT SERIAL NO. 1198.081 (TIME= 76.50 SEC)
 { INFERRED VAPOR TEMP }
 LOOP PRESSURE (PE-3) 16.36 MPA
 FCV TEMPERATURE (TE-FCV-1T) 585.6 K
 LHP INLET ENTHALPY 1.407E+06 J/KG
 TEST SECTION:
 PRESSURE 7.00 MPA
 SAT TEMP 558.93 K
 MASS FLUX 40.53 KG/SEC-M**2
 INLET QUALITY .093
 INLET ENTHALPY 1.407E+06 J/KG
 QUENCH FRONT:
 ELEVATION .579 M
 VELOCITY .0100 M/SEC
 QUALITY .351
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 { INFERRED VAPOR TEMP }

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.653	668.0	.699	.561

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	577.1	.098	9.34E+04	
.051	582.7	.113	9.57E+04	
.063	570.6	.118	9.17E+04	
.089	575.6	.128	9.26E+04	
.114	572.6	.137	9.21E+04	
.140	566.6	.147	9.11E+04	
.165	567.4	.157	9.20E+04	
.317	587.4	.217	9.63E+04	
.394	607.4	.248	9.86E+04	
.470	622.1	.283	1.24E+05	
.546	659.6	.329	1.62E+05	
.622	799.1	.380	1.63E+05	
.698	852.5	.427	1.30E+05	
.775	879.7	.468	1.27E+05	
.851	910.6	.508	1.28E+05	
.927	933.7	.549	1.28E+05	
1.003	957.3	.590	1.27E+05	
1.079	948.7	.628	1.15E+05	
1.143	971.2	.659	1.19E+05	1.09E+03
1.181	944.6	.677	1.08E+05	5.86E+03
1.244	952.8	.715	1.78E+05	
1.283	785.2	.749	2.51E+05	
1.321	704.3	.783	1.79E+05	

INEL POST-CHF EXPERIMENT NO. 198

POINT SERIAL NO. 1198.091 (TIME= 84.50 SEC)
 { INFERRED VAPOR TEMP }
 LOOP PRESSURE (PE-3) 16.33 MPA
 FCV TEMPERATURE (TE-FCV-1T) 585.6 K
 LHP INLET ENTHALPY 1.408E+06 J/KG
 TEST SECTION:
 PRESSURE 7.00 MPA
 SAT TEMP 558.93 K
 MASS FLUX 40.33 KG/SEC-M**2
 INLET QUALITY .093
 INLET ENTHALPY 1.408E+06 J/KG
 QUENCH FRONT:
 ELEVATION .643 M
 VELOCITY .0078 M/SEC
 QUALITY .372
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 { INFERRED VAPOR TEMP }

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.589	640.0	.680	.570

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	574.1	.098	9.28E+04	
.051	577.9	.113	9.42E+04	
.063	568.9	.118	9.15E+04	
.089	573.3	.128	9.21E+04	
.114	570.6	.137	9.19E+04	
.140	565.6	.147	9.10E+04	
.165	565.8	.157	9.14E+04	
.317	582.0	.216	9.46E+04	
.394	600.4	.247	9.60E+04	
.470	603.1	.278	1.02E+05	
.546	625.6	.313	1.15E+05	
.622	677.7	.358	1.66E+05	
.698	806.8	.409	1.54E+05	
.775	850.9	.454	1.24E+05	
.851	880.7	.493	1.24E+05	
.927	904.8	.533	1.23E+05	
1.003	929.3	.572	1.22E+05	
1.079	929.6	.609	1.13E+05	
1.143	949.1	.640	1.14E+05	1.55E+03
1.181	925.9	.657	1.04E+05	7.05E+03
1.244	848.6	.702	2.34E+05	
1.283	657.3	.736	1.92E+05	
1.321	654.9	.761	1.15E+05	

INEL POST-CHF EXPERIMENT NO. 198

POINT SERIAL NO. 1198.100 (TIME= 89.50 SEC)

LOOP PRESSURE(PE-3) 16.37 MPA
 FCV TEMPERATURE(TE-FCV-1T) 585.6 K
 LHP INLET ENTHALPY 1.408E+06 J/KG
 TEST SECTION:
 PRESSURE 7.00 MPA
 SAT TEMP 558.96 K
 MASS FLUX 40.20 KG/SEC-M**2
 INLET QUALITY .093
 INLET ENTHALPY 1.408E+06 J/KG
 QUENCH FRONT:
 ELEVATION .692 M
 VELOCITY .0115 M/SEC
 QUALITY .397
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.540	623.3	.680	.586

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	573.0	.098	9.27E+04	
.051	576.2	.113	9.36E+04	
.063	568.3	.118	9.15E+04	
.089	572.4	.128	9.21E+04	
.114	569.8	.137	9.17E+04	
.140	565.2	.147	9.10E+04	
.165	565.2	.157	9.14E+04	
.317	580.1	.216	9.40E+04	
.394	597.9	.247	9.55E+04	
.470	598.3	.278	9.87E+04	
.546	617.6	.310	1.03E+05	
.622	645.3	.351	1.50E+05	
.698	777.0	.401	1.67E+05	
.775	837.5	.450	1.34E+05	
.851	868.5	.491	1.23E+05	
.927	893.1	.530	1.23E+05	
1.003	918.3	.570	1.23E+05	
1.079	921.9	.607	1.12E+05	
1.143	940.4	.638	1.15E+05	1.46E+02
1.181	918.4	.655	1.05E+05	5.22E+03
1.244	767.9	.704	2.63E+05	
1.283	626.5	.736	1.34E+05	
1.321	648.9	.755	1.01E+05	

INEL POST-CHF EXPERIMENT NO. 199

POINT SERIAL NO. 1199.010 (TIME= 74.50 SEC)

LOOP PRESSURE(PE-3) 16.36 MPA
 FCV TEMPERATURE(TE-FCV-1T) 586.0 K
 LHP INLET ENTHALPY 1.409E+06 J/KG
 TEST SECTION:
 PRESSURE 7.00 MPA
 SAT TEMP 558.95 K
 MASS FLUX 44.69 KG/SEC-M**2
 INLET QUALITY .094
 INLET ENTHALPY 1.409E+06 J/KG
 QUENCH FRONT:
 ELEVATION .315 M
 VELOCITY .0047 M/SEC
 QUALITY .313
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.917	827.9	.918	.699

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	574.7	.102	1.72E+05	
.051	580.1	.127	1.75E+05	
.063	569.3	.136	1.71E+05	
.089	573.4	.152	1.72E+05	
.114	570.9	.169	1.71E+05	
.140	566.5	.185	1.71E+05	
.165	566.8	.202	1.72E+05	
.317	757.4	.316	2.23E+05	
.394	878.9	.375	1.88E+05	
.470	907.0	.428	1.82E+05	
.546	938.4	.481	1.82E+05	
.622	979.0	.533	1.81E+05	
.698	1005.3	.585	1.78E+05	
.775	1034.1	.636	1.78E+05	
.851	1060.1	.687	1.75E+05	
.927	1087.7	.738	1.75E+05	
1.003	1123.9	.788	1.75E+05	
1.079	1075.4	.836	1.54E+05	1.18E+04
1.143	1141.0	.874	1.65E+05	3.65E+03
1.181	1065.0	.896	1.39E+05	2.66E+04
1.245	1142.9	.932	1.60E+05	
1.283	1115.6	.956	1.70E+05	
1.321	1125.1	.981	1.78E+05	

INEL POST-CHF EXPERIMENT NO. 199

POINT SERIAL NO. 1199.021 (TIME= 92.50 SEC)
 {INFERRED VAPOR TEMP}
 LOOP PRESSURE{PE-3} 16.40 MPA
 FCV TEMPERATURE{TE-FCV-1T} 585.9 K
 LHP INLET ENTHALPY 1.409E+06 J/KG
 TEST SECTION:
 PRESSURE 7.00 MPA
 SAT TEMP 558.98 K
 MASS FLUX 45.02 KG/SEC-M**2
 INLET QUALITY .094
 INLET ENTHALPY 1.409E+06 J/KG
 QUENCH FRONT:
 ELEVATION .391 M
 VELOCITY .0038 M/SEC
 QUALITY .355
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 {INFERRED VAPOR TEMP}

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.841	830.0	.902	.596

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	569.9	.102	1.70E+05	
.051	572.5	.127	1.71E+05	
.063	566.9	.135	1.70E+05	
.089	569.8	.151	1.70E+05	
.114	567.7	.167	1.70E+05	
.140	564.9	.184	1.69E+05	
.165	563.3	.200	1.70E+05	
.317	587.7	.300	1.78E+05	
.394	728.8	.357	2.21E+05	
.470	887.2	.415	1.82E+05	
.546	921.8	.467	1.82E+05	
.622	964.6	.519	1.81E+05	
.698	993.8	.571	1.79E+05	
.775	1023.8	.622	1.77E+05	
.851	1053.9	.672	1.75E+05	
.927	1083.2	.722	1.74E+05	
1.003	1118.5	.772	1.73E+05	
1.079	1081.8	.819	1.56E+05	9.78E+03
1.143	1141.3	.857	1.66E+05	3.78E+03
1.181	1068.8	.879	1.41E+05	2.10E+04
1.245	1141.0	.915	1.61E+05	
1.283	1116.4	.939	1.71E+05	
1.321	1063.0	.968	2.33E+05	

INEL POST-CHF EXPERIMENT NO. 199

POINT SERIAL NO. 1199.031 (TIME= 115.50 SEC)
 {INFERRED VAPOR TEMP}
 LOOP PRESSURE{PE-3} 16.38 MPA
 FCV TEMPERATURE{TE-FCV-1T} 586.1 K
 LHP INLET ENTHALPY 1.410E+06 J/KG
 TEST SECTION:
 PRESSURE 7.01 MPA
 SAT TEMP 559.00 K
 MASS FLUX 44.80 KG/SEC-M**2
 INLET QUALITY .094
 INLET ENTHALPY 1.410E+06 J/KG
 QUENCH FRONT:
 ELEVATION .468 M
 VELOCITY .0029 M/SEC
 QUALITY .404
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 {INFERRED VAPOR TEMP}

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.764	800.0	.900	.615

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	567.1	.103	1.69E+05	
.051	568.6	.127	1.69E+05	
.063	565.3	.135	1.69E+05	
.089	567.4	.151	1.69E+05	
.114	565.7	.168	1.69E+05	
.140	564.0	.184	1.69E+05	
.165	561.6	.200	1.69E+05	
.317	575.6	.298	1.71E+05	
.394	598.9	.347	1.75E+05	
.470	776.0	.405	2.28E+05	
.546	901.9	.464	1.76E+05	
.622	947.2	.515	1.78E+05	
.698	974.8	.566	1.80E+05	
.775	1011.6	.618	1.77E+05	
.851	1045.2	.668	1.75E+05	
.927	1075.1	.719	1.75E+05	
1.003	1112.1	.769	1.74E+05	
1.079	1084.3	.816	1.57E+05	1.08E+04
1.143	1144.1	.855	1.66E+05	1.50E+03
1.181	1076.6	.877	1.42E+05	2.40E+04
1.245	1135.5	.914	1.62E+05	
1.283	1112.6	.938	1.75E+05	
1.321	790.3	.971	2.87E+05	

INEL POST-CHF EXPERIMENT NO. 199

POINT SERIAL NO. 1199.041 (TIME= 144.50 SEC)
 {INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 16.41 MPA
 FCV TEMPERATURE(TE-FCV-1T) 586.5 K
 LHP INLET ENTHALPY 1.412E+06 J/KG
 TEST SECTION:
 PRESSURE 7.00 MPA
 SAT TEMP 558.97 K
 MASS FLUX 44.88 KG/SEC-M**2
 INLET QUALITY .096
 INLET ENTHALPY 1.412E+06 J/KG
 QUENCH FRONT:
 ELEVATION .544 M
 VELOCITY .0024 M/SEC
 QUALITY .453
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

{INFERRED VAPOR TEMP)
 ELEVATION DZQF TV XE XA
 (M) (M) (K)
 1.232 .688 780.0 .886 .619

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	565.2	.104	1.69E+05	
.051	566.5	.129	1.69E+05	
.063	564.1	.137	1.69E+05	
.089	565.7	.153	1.69E+05	
.114	564.1	.169	1.69E+05	
.140	563.4	.185	1.69E+05	
.165	560.7	.202	1.69E+05	
.317	570.1	.299	1.70E+05	
.394	583.7	.348	1.71E+05	
.470	590.5	.398	1.76E+05	
.546	799.6	.455	2.19E+05	
.622	945.3	.511	1.67E+05	
.698	964.4	.559	1.70E+05	
.775	999.9	.608	1.71E+05	
.851	1033.6	.657	1.72E+05	
.927	1065.2	.707	1.72E+05	
1.003	1103.2	.756	1.70E+05	
1.079	1083.9	.803	1.58E+05	9.63E+03
1.143	1140.8	.841	1.66E+05	2.15E+03
1.181	1071.4	.863	1.42E+05	2.49E+04
1.245	1124.7	.900	1.62E+05	
1.283	872.1	.935	3.29E+05	
1.321	597.0	.972	1.87E+05	

INEL POST-CHF EXPERIMENT NO. 199

POINT SERIAL NO. 1199.051 (TIME= 180.50 SEC)
 {INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 16.32 MPA
 FCV TEMPERATURE(TE-FCV-1T) 586.9 K
 LHP INLET ENTHALPY 1.415E+06 J/KG
 TEST SECTION:
 PRESSURE 7.00 MPA
 SAT TEMP 558.97 K
 MASS FLUX 44.42 KG/SEC-M**2
 INLET QUALITY .098
 INLET ENTHALPY 1.415E+06 J/KG
 QUENCH FRONT:
 ELEVATION .622 M
 VELOCITY .0020 M/SEC
 QUALITY .507
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

{INFERRED VAPOR TEMP)
 ELEVATION DZQF TV XE XA
 (M) (M) (K)
 1.232 .610 740.0 .903 .660

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	564.2	.106	1.68E+05	
.051	565.3	.130	1.68E+05	
.063	563.4	.138	1.68E+05	
.089	564.7	.155	1.69E+05	
.114	563.2	.171	1.68E+05	
.140	563.1	.187	1.68E+05	
.165	560.4	.204	1.68E+05	
.317	567.4	.301	1.69E+05	
.394	575.2	.350	1.70E+05	
.470	575.1	.400	1.70E+05	
.546	595.5	.449	1.74E+05	
.622	824.6	.507	2.21E+05	
.698	970.7	.564	1.72E+05	
.775	1000.7	.614	1.72E+05	
.851	1030.7	.664	1.71E+05	
.927	1064.2	.713	1.72E+05	
1.003	1101.3	.764	1.74E+05	
1.079	1089.0	.812	1.59E+05	9.14E+03
1.143	1152.1	.852	1.69E+05	8.35E+02
1.181	1069.7	.874	1.41E+05	2.53E+04
1.245	864.4	.931	3.25E+05	
1.283	631.9	.967	1.74E+05	
1.321	562.1	.992	1.69E+05	

INEL POST-CHF EXPERIMENT NO. 200

POINT SERIAL NO. 1200.011 (TIME= 90.50 SEC)
 (INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 16.42 MPA
 FCV TEMPERATURE(TE-FCV-11) 573.8 K
 LHP INLET ENTHALPY 1.341E+06 J/KG
 TEST SECTION:
 PRESSURE 7.00 MPA
 SAT TEMP 558.91 K
 MASS FLUX 28.50 KG/SEC-M**2
 INLET QUALITY .049
 INLET ENTHALPY 1.341E+06 J/KG
 QUENCH FRONT:
 ELEVATION .326 M
 VELOCITY .0083 M/SEC
 QUALITY .281
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 (INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.906	900.0	1.006	.619

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	594.0	.057	1.00E+05	
.051	609.3	.080	1.06E+05	
.063	581.1	.087	9.64E+04	
.089	591.5	.102	1.01E+05	
.114	584.8	.117	9.96E+04	
.140	576.2	.133	1.04E+05	
.165	581.7	.150	1.29E+05	
.317	734.5	.273	1.43E+05	
.394	806.6	.342	1.60E+05	
.470	878.9	.418	1.76E+05	
.546	952.2	.497	1.73E+05	
.622	991.9	.574	1.68E+05	
.698	1043.5	.646	1.51E+05	
.775	1077.5	.713	1.42E+05	
.851	1107.4	.774	1.31E+05	
.927	1135.3	.831	1.20E+05	
1.003	1159.0	.884	1.15E+05	
1.079	1096.1	.932	9.62E+04	3.00E+03
1.143	1123.8	.967	9.41E+04	1.34E+03
1.181	1059.7	.987	7.98E+04	9.42E+03
1.245	1067.2	1.016	7.17E+04	
1.283	1021.3	1.032	7.00E+04	
1.321	1031.5	1.047	6.41E+04	

INEL POST-CHF EXPERIMENT NO. 201

POINT SERIAL NO. 1200.021 (TIME= 97.50 SEC)
 (INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 16.33 MPA
 FCV TEMPERATURE(TE-FCV-11) 573.9 K
 LHP INLET ENTHALPY 1.341E+06 J/KG
 TEST SECTION:
 PRESSURE 6.99 MPA
 SAT TEMP 558.89 K
 MASS FLUX 28.42 KG/SEC-M**2
 INLET QUALITY .049
 INLET ENTHALPY 1.341E+06 J/KG
 QUENCH FRONT:
 ELEVATION .393 M
 VELOCITY .0110 M/SEC
 QUALITY .319
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 (INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.839	880.0	.978	.614

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	589.6	.057	9.82E+04	
.051	602.4	.079	1.03E+05	
.063	578.4	.087	9.48E+04	
.089	587.2	.101	9.80E+04	
.114	581.3	.116	9.64E+04	
.140	572.7	.131	9.64E+04	
.165	575.3	.146	1.13E+05	
.317	691.3	.257	1.31E+05	
.394	738.2	.320	1.47E+05	
.470	826.1	.390	1.63E+05	
.546	900.5	.467	1.75E+05	
.622	958.3	.543	1.62E+05	
.698	1015.3	.614	1.49E+05	
.775	1053.4	.679	1.42E+05	
.851	1088.2	.741	1.31E+05	
.927	1120.3	.799	1.23E+05	
1.003	1147.0	.853	1.15E+05	
1.079	1090.7	.901	9.81E+04	2.69E+03
1.143	1119.9	.938	9.59E+04	1.59E+03
1.181	1058.0	.958	8.15E+04	9.92E+03
1.245	1070.4	.988	7.63E+04	
1.283	1029.3	1.005	7.33E+04	
1.321	1042.1	1.021	6.72E+04	

INEL POST-CHF EXPERIMENT NO. 200

POINT SERIAL NO. 1200.030 (TIME= 105.50 SEC)

LOOP PRESSURE(PE-3) 16.34 MPA
 FCV TEMPERATURE(TE-FCV-1T) 573.9 K
 LHP INLET ENTHALPY 1.342E+06 J/KG
 TEST SECTION:
 PRESSURE 7.00 MPA
 SAT TEMP 558.95 K
 MASS FLUX 28.46 KG/SEC-M**2
 INLET QUALITY .049
 INLET ENTHALPY 1.342E+06 J/KG
 QUENCH FRONT:
 ELEVATION .481 M
 VELOCITY .0109 M/SEC
 QUALITY .361
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.751	785.5	.937	.650

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	582.6	.057	9.47E+04	
.051	591.4	.078	9.82E+04	
.063	574.3	.086	9.24E+04	
.089	580.9	.100	9.39E+04	
.114	576.4	.114	9.29E+04	
.140	568.8	.128	9.17E+04	
.165	569.1	.142	9.29E+04	
.317	630.9	.236	1.14E+05	
.394	695.1	.290	1.27E+05	
.470	725.2	.352	1.44E+05	
.546	819.7	.421	1.61E+05	
.622	883.7	.494	1.60E+05	
.698	966.4	.563	1.47E+05	
.775	1010.6	.629	1.42E+05	
.851	1054.2	.691	1.33E+05	
.927	1092.2	.750	1.27E+05	
1.003	1125.2	.806	1.20E+05	
1.079	1080.9	.856	1.03E+05	9.95E+02
1.143	1112.4	.895	1.00E+05	1.30E+03
1.181	1054.3	.916	8.57E+04	9.44E+03
1.245	1074.9	.948	8.29E+04	
1.283	1042.6	.966	7.78E+04	
1.321	1060.0	.983	7.27E+04	

INEL POST-CHF EXPERIMENT NO. 200

POINT SERIAL NO. 1200.040 (TIME= 108.50 SEC)

LOOP PRESSURE(PE-3) 16.35 MPA
 FCV TEMPERATURE(TE-FCV-1T) 574.0 K
 LHP INLET ENTHALPY 1.342E+06 J/KG
 TEST SECTION:
 PRESSURE 7.00 MPA
 SAT TEMP 558.94 K
 MASS FLUX 28.37 KG/SEC-M**2
 INLET QUALITY .050
 INLET ENTHALPY 1.342E+06 J/KG
 QUENCH FRONT:
 ELEVATION .513 M
 VELOCITY .0094 M/SEC
 QUALITY .381
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.719	842.5	.928	.605

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	580.6	.057	9.41E+04	
.051	588.2	.078	9.71E+04	
.063	573.2	.086	9.20E+04	
.089	579.2	.100	9.33E+04	
.114	575.1	.114	9.24E+04	
.140	568.0	.128	9.11E+04	
.165	567.9	.141	9.21E+04	
.317	611.9	.233	1.08E+05	
.394	673.2	.285	1.21E+05	
.470	670.3	.343	1.37E+05	
.546	815.2	.410	1.56E+05	
.622	852.2	.481	1.56E+05	
.698	948.4	.550	1.49E+05	
.775	994.1	.616	1.42E+05	
.851	1040.7	.679	1.33E+05	
.927	1080.5	.738	1.28E+05	
1.003	1115.7	.794	1.21E+05	
1.079	1076.4	.846	1.05E+05	6.24E+02
1.143	1108.3	.885	1.02E+05	1.29E+03
1.181	1051.9	.906	8.75E+04	9.58E+03
1.245	1074.8	.939	8.52E+04	
1.283	1046.0	.958	8.11E+04	
1.321	1064.9	.976	7.66E+04	

INEL POST-CHF EXPERIMENT NO. 200

POINT SERIAL NO. 1200.050 (TIME= 118.50 SEC)

LOOP PRESSURE(PE-3) 16.35 MPA
 FCV TEMPERATURE(TE-FCV-1T) 574.2 K
 LHP INLET ENTHALPY 1.343E+06 J/KG
 TEST SECTION:
 PRESSURE 7.00 MPA
 SAT TEMP 558.94 K
 MASS FLUX 28.27 KG/SEC-M**2
 INLET QUALITY .050
 INLET ENTHALPY 1.343E+06 J/KG
 QUENCH FRONT:
 ELEVATION .601 M
 VELOCITY .0071 M/SEC
 QUALITY .428
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE XA
1.232	.631	800.6	.898 .613

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	575.8	.057	9.22E+04	
.051	580.7	.079	9.38E+04	
.063	570.6	.086	9.08E+04	
.089	575.4	.099	9.15E+04	
.114	572.0	.113	9.11E+04	
.140	566.4	.127	9.01E+04	
.165	565.4	.141	9.05E+04	
.317	587.9	.225	9.49E+04	
.394	615.5	.271	1.04E+05	
.470	650.7	.322	1.21E+05	
.546	711.7	.382	1.40E+05	
.622	781.2	.445	1.40E+05	
.698	873.9	.513	1.55E+05	
.775	942.6	.580	1.39E+05	
.851	997.0	.641	1.31E+05	
.927	1040.6	.701	1.30E+05	
1.003	1082.2	.759	1.24E+05	
1.079	1059.7	.811	1.07E+05	
1.143	1091.3	.853	1.09E+05	
1.181	1040.2	.875	9.16E+04	1.02E+04
1.245	1069.2	.911	9.40E+04	
1.283	1050.0	.932	9.01E+04	
1.321	1073.0	.952	8.61E+04	

INEL POST-CHF EXPERIMENT NO. 200

POINT SERIAL NO. 1200.061 (TIME= 132.50 SEC)
 (INFERRED VAPOR TEMP)

LOOP PRESSURE(PE-3) 16.35 MPA
 FCV TEMPERATURE(TE-FCV-1T) 574.4 K
 LHP INLET ENTHALPY 1.344E+06 J/KG
 TEST SECTION:
 PRESSURE 7.00 MPA
 SAT TEMP 558.91 K
 MASS FLUX 28.01 KG/SEC-M**2
 INLET QUALITY .051
 INLET ENTHALPY 1.344E+06 J/KG
 QUENCH FRONT:
 ELEVATION .702 M
 VELOCITY .0073 M/SEC
 QUALITY .477
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE XA
1.232	.530	755.0	.872 .626

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	571.7	.058	9.12E+04	
.051	574.7	.079	9.18E+04	
.063	568.3	.086	9.04E+04	
.089	572.2	.100	9.08E+04	
.114	569.3	.114	9.07E+04	
.140	565.3	.127	8.99E+04	
.165	563.7	.141	9.00E+04	
.317	580.8	.225	9.24E+04	
.394	601.4	.268	9.52E+04	
.470	600.8	.312	9.82E+04	
.546	625.3	.361	1.14E+05	
.622	655.0	.414	1.19E+05	
.698	762.2	.474	1.40E+05	
.775	839.4	.540	1.48E+05	
.851	936.2	.604	1.30E+05	
.927	980.6	.664	1.30E+05	
1.003	1028.8	.724	1.29E+05	
1.079	1032.2	.779	1.11E+05	
1.143	1058.0	.823	1.17E+05	
1.181	1015.9	.847	9.75E+04	9.95E+03
1.244	1049.1	.885	1.01E+05	
1.283	1045.8	.908	9.66E+04	
1.321	1074.6	.930	9.23E+04	

INEL POST-CHF EXPERIMENT NO. 200

POINT SERIAL NO. 1200.070 (TIME= 142.50 SEC)

LOOP PRESSURE(PE-3) 16.34 MPA
 FCV TEMPERATURE(TE-FCV-1T) 574.4 K
 LHP INLET ENTHALPY 1.344E+06 J/KG
 TEST SECTION:
 PRESSURE 7.00 MPA
 SAT TEMP 558.91 K
 MASS FLUX 28.06 KG/SEC-M**2
 INLET QUALITY .051
 INLET ENTHALPY 1.344E+06 J/KG
 QUENCH FRONT:
 ELEVATION .762 M
 VELOCITY .0048 M/SEC
 QUALITY .508
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.232	.470	735.3	.844	.621

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION			HEAT LOSS W/M**2
ELEVATION	TEMP	XE	HEAT FLUX		
(M)	(K)		W/M**2		
.013	569.9	.058	9.09E+04		
.051	572.2	.079	9.13E+04		
.063	567.3	.086	9.04E+04		
.089	570.7	.100	9.08E+04		
.114	568.0	.114	9.06E+04		
.140	564.8	.127	9.00E+04		
.165	563.1	.141	9.00E+04		
.317	577.5	.225	9.20E+04		
.394	595.3	.267	9.40E+04		
.470	592.6	.311	9.48E+04		
.546	609.0	.355	9.82E+04		
.622	599.4	.402	1.05E+05		
.698	691.8	.456	1.32E+05		
.775	766.7	.518	1.39E+05		
.851	896.3	.579	1.26E+05		
.927	941.2	.637	1.25E+05		
1.003	988.3	.695	1.28E+05		
1.079	1009.7	.750	1.13E+05		
1.143	1029.4	.794	1.18E+05		
1.181	994.6	.819	9.97E+04	1.03E+04	
1.244	1030.3	.858	1.04E+05		
1.283	1038.9	.882	9.85E+04		
1.321	1071.7	.904	9.47E+04		

INEL POST-CHF EXPERIMENT NO. 200

POINT SERIAL NO. 1200.080 (TIME= 169.50 SEC)

LOOP PRESSURE(PE-3) 16.33 MPA
 FCV TEMPERATURE(TE-FCV-1T) 574.7 K
 LHP INLET ENTHALPY 1.346E+06 J/KG
 TEST SECTION:
 PRESSURE 7.00 MPA
 SAT TEMP 558.92 K
 MASS FLUX 27.68 KG/SEC-M**2
 INLET QUALITY .052
 INLET ENTHALPY 1.346E+06 J/KG
 QUENCH FRONT:
 ELEVATION .854 M
 VELOCITY .0025 M/SEC
 QUALITY .544
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.232	.378	685.7	.793	.621

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION			HEAT LOSS W/M**2
ELEVATION	TEMP	XE	HEAT FLUX		
(M)	(K)		W/M**2		
.013	567.1	.059	9.09E+04		
.051	568.7	.080	9.09E+04		
.063	565.4	.087	9.07E+04		
.089	568.1	.101	9.09E+04		
.114	565.7	.115	9.08E+04		
.140	564.0	.129	9.05E+04		
.165	562.1	.143	9.05E+04		
.317	572.2	.227	9.14E+04		
.394	584.5	.270	9.28E+04		
.470	581.2	.313	9.27E+04		
.546	590.4	.356	9.40E+04		
.622	580.8	.399	9.29E+04		
.698	604.8	.443	9.77E+04		
.775	622.3	.490	1.06E+05		
.851	735.3	.541	1.15E+05		
.927	862.4	.596	1.17E+05		
1.003	905.2	.650	1.16E+05		
1.079	953.8	.702	1.10E+05		
1.143	964.8	.745	1.10E+05		
1.181	942.9	.769	9.41E+04	1.08E+04	
1.244	986.0	.806	1.00E+05		
1.283	1024.2	.829	9.70E+04		
1.321	1067.2	.852	9.35E+04		

INEL POST-CHF EXPERIMENT NO. 200

POINT SERIAL NO. 1200.090 (TIME= 194.50 SEC)

LOOP PRESSURE(PE-3) 16.41 MPA
 FCV TEMPERATURE(TE-FCV-1T) 575.0 K
 LHP INLET ENTHALPY 1.347E+06 J/KG
 TEST SECTION:
 PRESSURE 7.00 MPA
 SAT TEMP 558.96 K
 MASS FLUX 27.92 KG/SEC-M**2
 INLET QUALITY .053
 INLET ENTHALPY 1.347E+06 J/KG
 QUENCH FRONT:
 ELEVATION .918 M
 VELOCITY .0026 M/SEC
 QUALITY .576
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.314	660.8	.767	.622

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	565.7	.060	9.08E+04	
.051	567.1	.081	9.08E+04	
.063	564.3	.088	9.07E+04	
.089	566.6	.102	9.08E+04	
.114	564.4	.116	9.07E+04	
.140	563.5	.130	9.05E+04	
.165	561.5	.144	9.05E+04	
.317	569.4	.228	9.11E+04	
.394	578.2	.270	9.20E+04	
.470	575.4	.313	9.18E+04	
.546	581.6	.356	9.26E+04	
.622	574.7	.398	9.18E+04	
.698	589.0	.441	9.39E+04	
.775	601.3	.485	9.53E+04	
.851	617.0	.531	1.02E+05	
.927	769.5	.582	1.21E+05	
1.003	856.0	.635	1.07E+05	
1.079	916.6	.683	1.03E+05	
1.143	932.5	.723	1.02E+05	
1.181	913.5	.744	8.70E+04	1.04E+04
1.244	956.5	.779	9.42E+04	
1.283	1013.7	.801	9.47E+04	
1.321	1062.3	.823	9.30E+04	

INEL POST-CHF EXPERIMENT NO. 200

POINT SERIAL NO. 1200.100 (TIME= 233.50 SEC)

LOOP PRESSURE(PE-3) 16.35 MPA
 FCV TEMPERATURE(TE-FCV-1T) 575.5 K
 LHP INLET ENTHALPY 1.350E+06 J/KG
 TEST SECTION:
 PRESSURE 7.00 MPA
 SAT TEMP 558.96 K
 MASS FLUX 27.68 KG/SEC-M**2
 INLET QUALITY .055
 INLET ENTHALPY 1.350E+06 J/KG
 QUENCH FRONT:
 ELEVATION .985 M
 VELOCITY .0009 M/SEC
 QUALITY .609
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.247	620.1	.760	.659

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	564.5	.062	9.04E+04	
.051	565.5	.083	9.05E+04	
.063	563.3	.090	9.03E+04	
.089	565.1	.104	9.04E+04	
.114	563.2	.118	9.03E+04	
.140	563.0	.132	9.02E+04	
.165	561.0	.146	9.02E+04	
.317	567.0	.231	9.06E+04	
.394	572.2	.273	9.11E+04	
.470	570.3	.315	9.10E+04	
.546	574.2	.358	9.12E+04	
.622	570.0	.400	9.09E+04	
.698	577.8	.443	9.17E+04	
.775	585.0	.486	9.25E+04	
.851	592.8	.529	9.32E+04	
.927	598.9	.574	9.66E+04	
1.003	712.6	.621	1.06E+05	
1.079	876.9	.669	9.96E+04	
1.143	898.9	.707	9.89E+04	
1.181	890.8	.730	9.70E+04	
1.244	934.7	.767	9.01E+04	
1.283	1003.1	.788	9.43E+04	
1.321	1056.1	.810	9.33E+04	

INEL POST-CHF EXPERIMENT NO. 200

POINT SERIAL NO. 1200.110 (TIME= 285.50 SEC)

LOOP PRESSURE(PE-3) 16.35 MPA
 FCV TEMPERATURE(TE-FCV-1T) 576.1 K
 LHP INLET ENTHALPY 1.353E+06 J/KG
 TEST SECTION:
 PRESSURE 7.00 MPA
 SAT TEMP 558.94 K
 MASS FLUX 27.28 KG/SEC-M**2
 INLET QUALITY .057
 INLET ENTHALPY 1.353E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.033 M
 VELOCITY .0009 M/SEC
 QUALITY .637
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.232 .199 621.4 .749 .648

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013 563.7 .064 8.98E+04
 .051 564.5 .085 9.00E+04
 .063 562.6 .092 8.98E+04
 .089 564.1 .107 8.99E+04
 .114 562.5 .121 8.98E+04
 .140 562.8 .135 8.97E+04
 .165 560.6 .149 8.97E+04
 .317 565.4 .233 9.00E+04
 .394 568.3 .276 9.02E+04
 .470 566.8 .318 9.01E+04
 .546 569.6 .361 9.02E+04
 .622 567.0 .403 9.01E+04
 .698 571.3 .446 9.04E+04
 .775 575.2 .488 9.07E+04
 .851 580.0 .531 9.10E+04
 .927 582.9 .574 9.23E+04
 1.003 601.3 .619 1.00E+05
 1.079 877.9 .665 9.15E+04
 1.143 912.9 .700 8.79E+04
 1.181 898.8 .721 9.07E+04
 1.244 936.2 .756 8.67E+04
 1.283 1000.9 .777 9.19E+04
 1.321 1053.5 .798 9.13E+04

INEL POST-CHF EXPERIMENT NO. 200

POINT SERIAL NO. 1200.120 (TIME= 307.50 SEC)

LOOP PRESSURE(PE-3) 16.35 MPA
 FCV TEMPERATURE(TE-FCV-1T) 576.3 K
 LHP INLET ENTHALPY 1.355E+06 J/KG
 TEST SECTION:
 PRESSURE 7.00 MPA
 SAT TEMP 558.93 K
 MASS FLUX 27.44 KG/SEC-M**2
 INLET QUALITY .058
 INLET ENTHALPY 1.355E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.049 M
 VELOCITY .0006 M/SEC
 QUALITY .640
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.232 .183 619.0 .748 .650

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013 563.6 .065 8.95E+04
 .051 564.2 .086 8.96E+04
 .063 562.4 .093 8.95E+04
 .089 563.8 .107 8.95E+04
 .114 562.3 .121 8.95E+04
 .140 562.7 .135 8.94E+04
 .165 560.5 .149 8.94E+04
 .317 565.0 .233 8.97E+04
 .394 567.3 .276 8.98E+04
 .470 566.0 .318 8.98E+04
 .546 568.4 .360 8.99E+04
 .622 566.3 .403 8.97E+04
 .698 569.7 .445 9.00E+04
 .775 572.8 .487 9.02E+04
 .851 576.9 .530 9.07E+04
 .927 578.6 .572 9.09E+04
 1.003 594.8 .614 8.57E+04
 1.079 877.3 .657 9.90E+04
 1.143 908.1 .696 9.55E+04
 1.181 889.7 .718 9.75E+04
 1.244 926.2 .755 8.99E+04
 1.283 999.6 .776 9.20E+04
 1.321 1052.5 .798 9.15E+04

INEL POST-CHF EXPERIMENT NO. 200

POINT SERIAL NO. 1200.130 (TIME= 330.50 SEC)

LOOP PRESSURE(PE-3) 16.32 MPA
 FCV TEMPERATURE(TE-FCV-1T) 576.2 K
 LHP INLET ENTHALPY 1.354E+06 J/KG
 TEST SECTION:
 PRESSURE 7.00 MPA
 SAT TEMP 558.93 K
 MASS FLUX 27.18 KG/SEC-M**2
 INLET QUALITY .057
 INLET ENTHALPY 1.354E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.061 M
 VELOCITY .0006 M/SEC
 QUALITY .644
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.170	609.1	.741	.657

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	563.4	.064	8.93E+04	
.051	564.0	.086	8.94E+04	
.063	562.2	.093	8.93E+04	
.089	563.6	.107	8.93E+04	
.114	562.1	.121	8.93E+04	
.140	562.6	.135	8.93E+04	
.165	560.4	.149	8.93E+04	
.317	564.6	.233	8.95E+04	
.394	566.5	.275	8.96E+04	
.470	565.3	.317	8.96E+04	
.546	567.5	.359	8.96E+04	
.622	565.8	.401	8.95E+04	
.698	568.4	.443	8.97E+04	
.775	570.9	.486	8.99E+04	
.851	574.2	.528	9.02E+04	
.927	579.9	.570	8.92E+04	
1.003	608.4	.611	8.42E+04	
1.079	873.5	.654	1.01E+05	
1.143	903.0	.692	9.16E+04	
1.181	883.4	.714	9.03E+04	
1.244	922.1	.748	8.43E+04	
1.283	997.5	.769	9.16E+04	
1.321	1051.1	.790	9.11E+04	

INEL POST-CHF EXPERIMENT NO. 200

POINT SERIAL NO. 1200.140 (TIME= 349.50 SEC)

LOOP PRESSURE(PE-3) 16.33 MPA
 FCV TEMPERATURE(TE-FCV-1T) 576.5 K
 LHP INLET ENTHALPY 1.356E+06 J/KG
 TEST SECTION:
 PRESSURE 7.00 MPA
 SAT TEMP 558.92 K
 MASS FLUX 27.32 KG/SEC-M**2
 INLET QUALITY .059
 INLET ENTHALPY 1.356E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.072 M
 VELOCITY .0006 M/SEC
 QUALITY .638
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.160	621.0	.724	.627

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	563.4	.065	8.57E+04	
.051	564.0	.086	8.58E+04	
.063	562.2	.093	8.58E+04	
.089	563.5	.106	8.58E+04	
.114	562.0	.120	8.58E+04	
.140	562.6	.133	8.58E+04	
.165	560.4	.147	8.58E+04	
.317	564.4	.228	8.59E+04	
.394	566.0	.268	8.61E+04	
.470	564.9	.309	8.60E+04	
.546	566.9	.350	8.61E+04	
.622	565.5	.390	8.60E+04	
.698	567.8	.431	8.61E+04	
.775	569.9	.472	8.63E+04	
.851	572.8	.512	8.63E+04	
.927	578.0	.553	8.70E+04	
1.003	612.2	.597	9.61E+04	
1.079	874.7	.642	9.74E+04	
1.143	908.2	.678	8.55E+04	
1.181	891.1	.698	8.35E+04	
1.244	929.5	.730	7.76E+04	
1.283	998.0	.749	8.74E+04	
1.321	1051.2	.770	8.74E+04	

INEL POST-CHF EXPERIMENT NO. 200

POINT SERIAL NO. 1200.150 (TIME= 387.50 SEC)

LOOP PRESSURE(PE-3) 16.37 MPA
 FCV TEMPERATURE(TE-FCV-1T) 576.6 K
 LHP INLET ENTHALPY 1.356E+06 J/KG
 TEST SECTION:
 PRESSURE 7.00 MPA
 SAT TEMP 558.91 K
 MASS FLUX 27.50 KG/SEC-M**2
 INLET QUALITY .059
 INLET ENTHALPY 1.356E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.093 M
 VELOCITY .0006 M/SEC
 QUALITY .568
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.139	602.0	.646	.580

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	563.2	.065	7.45E+04	
.051	563.6	.082	7.45E+04	
.063	561.8	.088	7.45E+04	
.089	563.0	.100	7.45E+04	
.114	561.7	.112	7.45E+04	
.140	562.3	.123	7.45E+04	
.165	560.1	.135	7.45E+04	
.317	563.9	.205	7.45E+04	
.394	564.9	.240	7.46E+04	
.470	564.0	.276	7.47E+04	
.546	565.9	.311	7.48E+04	
.622	564.6	.346	7.46E+04	
.698	566.5	.381	7.48E+04	
.775	568.1	.416	7.48E+04	
.851	570.5	.452	7.49E+04	
.927	569.4	.487	7.52E+04	
1.003	571.4	.523	7.59E+04	
1.079	807.7	.560	8.60E+04	
1.143	861.7	.596	9.57E+04	
1.181	861.5	.618	9.05E+04	
1.244	907.0	.652	8.48E+04	
1.283	986.9	.672	8.27E+04	
1.321	1039.4	.691	8.16E+04	

INEL POST-CHF EXPERIMENT NO. 201

POINT SERIAL NO. 1201.011 (TIME= 112.50 SEC)

(INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 16.44 MPA
 FCV TEMPERATURE(TE-FCV-1T) 574.0 K
 LHP INLET ENTHALPY 1.342E+06 J/KG
 TEST SECTION:
 PRESSURE 7.00 MPA
 SAT TEMP 558.97 K
 MASS FLUX 29.94 KG/SEC-M**2
 INLET QUALITY .049
 INLET ENTHALPY 1.342E+06 J/KG
 QUENCH FRONT:
 ELEVATION .541 M
 VELOCITY .0033 M/SEC
 QUALITY .487
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.691	860.0	1.049	.672

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	571.4	.059	1.36E+05	
.051	573.7	.088	1.36E+05	
.063	568.3	.098	1.35E+05	
.089	572.1	.118	1.35E+05	
.114	568.8	.137	1.35E+05	
.140	565.2	.156	1.35E+05	
.165	562.9	.176	1.35E+05	
.317	579.0	.293	1.37E+05	
.394	600.7	.353	1.40E+05	
.470	629.8	.418	1.64E+05	
.546	770.7	.492	1.77E+05	
.622	902.8	.564	1.60E+05	
.698	964.8	.632	1.55E+05	
.775	1023.3	.698	1.52E+05	
.851	1075.1	.763	1.50E+05	
.927	1123.7	.828	1.48E+05	
1.003	1168.7	.890	1.41E+05	
1.079	1127.0	.948	1.29E+05	6.67E+03
1.143	1181.2	.995	1.32E+05	5.33E+03
1.181	1121.2	1.021	1.14E+05	1.90E+04
1.245	1154.4	1.065	1.29E+05	
1.283	1119.0	1.093	1.31E+05	
1.321	1130.1	1.121	1.29E+05	

INEL POST-CHF EXPERIMENT NO. 201

POINT SERIAL NO. 1201.021 (TIME= 140.50 SEC)
 (INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 16.37 MPA
 FCV TEMPERATURE(TE-FCV-1T) 574.5 K
 LHP INLET ENTHALPY 1.345E+06 J/KG
 TEST SECTION:
 PRESSURE 7.00 MPA
 SAT TEMP 558.96 K
 MASS FLUX 29.66 KG/SEC-M**2
 INLET QUALITY .051
 INLET ENTHALPY 1.345E+06 J/KG
 QUENCH FRONT:
 ELEVATION .611 M
 VELOCITY .0018 M/SEC
 QUALITY .532
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 (INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.620	840.0	1.022	.669

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	568.2	.061	1.34E+05	
.051	569.6	.090	1.34E+05	
.063	566.2	.100	1.34E+05	
.089	569.0	.119	1.34E+05	
.114	566.2	.139	1.34E+05	
.140	564.2	.158	1.34E+05	
.165	561.5	.177	1.34E+05	
.317	572.9	.294	1.35E+05	
.394	587.8	.353	1.37E+05	
.470	587.1	.412	1.38E+05	
.546	610.4	.474	1.48E+05	
.622	762.1	.542	1.63E+05	
.698	918.5	.609	1.46E+05	
.775	981.7	.673	1.46E+05	
.851	1042.2	.735	1.43E+05	
.927	1094.5	.797	1.42E+05	
1.003	1145.6	.859	1.42E+05	
1.079	1118.9	.918	1.31E+05	5.62E+03
1.143	1169.3	.967	1.35E+05	2.42E+03
1.181	1113.6	.994	1.18E+05	1.49E+04
1.245	1145.2	1.039	1.28E+05	
1.283	1123.6	1.067	1.33E+05	
1.321	1139.8	1.096	1.31E+05	

INEL POST-CHF EXPERIMENT NO. 201

POINT SERIAL NO. 1201.031 (TIME= 203.50 SEC)
 (INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 16.45 MPA
 FCV TEMPERATURE(TE-FCV-1T) 575.3 K
 LHP INLET ENTHALPY 1.349E+06 J/KG
 TEST SECTION:
 PRESSURE 7.00 MPA
 SAT TEMP 558.93 K
 MASS FLUX 29.25 KG/SEC-M**2
 INLET QUALITY .054
 INLET ENTHALPY 1.349E+06 J/KG
 QUENCH FRONT:
 ELEVATION .686 M
 VELOCITY .0007 M/SEC
 QUALITY .588
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 (INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.546	790.0	1.001	.691

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	565.4	.064	1.34E+05	
.051	566.5	.093	1.34E+05	
.063	564.2	.103	1.34E+05	
.089	565.9	.123	1.34E+05	
.114	563.6	.142	1.34E+05	
.140	563.2	.162	1.34E+05	
.165	560.4	.181	1.33E+05	
.317	567.7	.299	1.34E+05	
.394	574.4	.358	1.35E+05	
.470	572.5	.417	1.34E+05	
.546	579.1	.476	1.35E+05	
.622	577.2	.536	1.36E+05	
.698	771.4	.598	1.47E+05	
.775	950.6	.661	1.37E+05	
.851	999.3	.721	1.37E+05	
.927	1055.1	.782	1.37E+05	
1.003	1120.2	.842	1.36E+05	
1.079	1108.5	.899	1.28E+05	4.94E+03
1.143	1158.7	.947	1.29E+05	2.81E+03
1.181	1112.9	.973	1.14E+05	1.58E+04
1.245	1133.9	1.018	1.27E+05	
1.283	1127.8	1.047	1.36E+05	
1.321	1157.9	1.076	1.34E+05	

INEL POST-CHF EXPERIMENT NO. 201

POINT SERIAL NO. 1201.041 (TIME= 310.50 SEC)
 { INFERRED VAPOR TEMP }
 LOOP PRESSURE(PE-3) 16.42 MPA
 FCV TEMPERATURE(TE-FCV-1T) 576.5 K
 LHP INLET ENTHALPY 1.356E+06 J/KG
 TEST SECTION:
 PRESSURE 7.01 MPA
 SAT TEMP 559.00 K
 MASS FLUX 28.97 KG/SEC-M**2
 INLET QUALITY .059
 INLET ENTHALPY 1.356E+06 J/KG
 QUENCH FRONT:
 ELEVATION .757 M
 VELOCITY .0006 M/SEC
 QUALITY .645
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

{ INFERRED VAPOR TEMP }
 ELEVATION DZQF TV XE XA
 (M) (M) (K) *
 1.232 .475 770.0 .995 .703

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	564.3	.068	1.32E+05	
.051	65.0	.098	1.32E+05	
.063	563.0	.108	1.32E+05	
.089	564.3	.127	1.32E+05	
.114	562.5	.147	1.32E+05	
.140	562.9	.167	1.32E+05	
.165	559.8	.186	1.32E+05	
.317	565.2	.304	1.32E+05	
.394	567.6	.363	1.32E+05	
.470	566.6	.422	1.32E+05	
.546	569.0	.481	1.32E+05	
.622	567.8	.540	1.32E+05	
.698	600.7	.599	1.29E+05	
.775	991.2	.660	1.45E+05	
.851	1043.4	.720	1.26E+05	
.927	1081.4	.777	1.29E+05	
1.003	1129.2	.834	1.29E+05	
1.079	1122.7	.891	1.25E+05	6.38E+03
1.143	1176.1	.938	1.31E+05	1.76E+03
1.181	1133.1	.966	1.19E+05	1.18E+04
1.244	1152.7	1.011	1.25E+05	
1.283	1137.9	1.040	1.33E+05	
1.321	1160.3	1.070	1.33E+05	

INEL POST-CHF EXPERIMENT NO. 201

POINT SERIAL NO. 1201.051 (TIME= 390.50 SEC)
 { INFERRED VAPOR TEMP }
 LOOP PRESSURE(PE-3) 16.35 MPA
 FCV TEMPERATURE(TE-FCV-1T) 577.0 K
 LHP INLET ENTHALPY 1.358E+06 J/KG
 TEST SECTION:
 PRESSURE 7.00 MPA
 SAT TEMP 558.96 K
 MASS FLUX 28.81 KG/SEC-M**2
 INLET QUALITY .060
 INLET ENTHALPY 1.358E+06 J/KG
 QUENCH FRONT:
 ELEVATION .802 M
 VELOCITY .0006 M/SEC
 QUALITY .545
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

{ INFERRED VAPOR TEMP }
 ELEVATION DZQF TV XE XA
 (M) (M) (K) *
 1.232 .430 710.0 .851 .646

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	563.7	.068	1.02E+05	
.051	564.1	.091	1.02E+05	
.063	562.4	.098	1.01E+05	
.089	563.4	.113	1.02E+05	
.114	562.0	.129	1.01E+05	
.140	562.7	.144	1.01E+05	
.165	559.6	.159	1.01E+05	
.317	564.4	.250	1.02E+05	
.394	565.5	.296	1.02E+05	
.470	564.6	.341	1.02E+05	
.546	566.6	.387	1.02E+05	
.622	565.4	.432	1.02E+05	
.698	570.5	.478	1.02E+05	
.775	639.2	.526	1.11E+05	
.851	893.6	.580	1.32E+05	
.927	935.6	.639	1.29E+05	
1.003	988.4	.697	1.30E+05	
1.079	1047.8	.753	1.22E+05	
1.143	1113.9	.799	1.27E+05	
1.181	1051.9	.825	1.04E+05	1.64E+04
1.244	1065.0	.867	1.21E+05	
1.283	1072.3	.894	1.20E+05	
1.321	1110.6	.920	1.16E+05	

INEL POST-CHF EXPERIMENT NO. 201

POINT SERIAL NO. 1201.061 (TIME= 411.50 SEC)
 { INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 16.33 MPA
 FCV TEMPERATURE(TE-FCV-1T) 577.3 K
 LHP INLET ENTHALPY 1.360E+06 J/KG
 TEST SECTION:
 PRESSURE 7.01 MPA
 SAT TEMP 558.99 K
 MASS FLUX 28.75 KG/SEC-M**2
 INLET QUALITY .061
 INLET ENTHALPY 1.360E+06 J/KG
 QUENCH FRONT:
 ELEVATION .816 M
 VELOCITY .0012 M/SEC
 QUALITY .556
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 (INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.416	690.0	.827	.644

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	563.7	.069	1.02E+05	
.051	564.1	.092	1.02E+05	
.063	562.4	.100	1.02E+05	
.089	563.4	.115	1.02E+05	
.114	562.1	.130	1.02E+05	
.140	562.9	.145	1.02E+05	
.165	559.8	.160	1.02E+05	
.317	564.2	.252	1.02E+05	
.394	565.2	.298	1.02E+05	
.470	564.4	.343	1.02E+05	
.546	566.2	.389	1.02E+05	
.622	565.4	.435	1.02E+05	
.698	569.2	.481	1.02E+05	
.775	609.6	.528	1.09E+05	
.851	765.6	.581	1.24E+05	
.927	897.1	.634	1.12E+05	
1.003	945.9	.684	1.14E+05	
1.079	1012.5	.736	1.16E+05	
1.143	1074.2	.779	1.15E+05	
1.181	1018.3	.803	9.66E+04	1.37E+04
1.244	1027.4	.841	1.06E+05	
1.283	1053.0	.865	1.07E+05	
1.321	1095.4	.889	1.06E+05	

INEL POST-CHF EXPERIMENT NO. 201

POINT SERIAL NO. 1201.071 (TIME= 556.50 SEC)
 { INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 16.37 MPA
 FCV TEMPERATURE(TE-FCV-1T) 577.8 K
 LHP INLET ENTHALPY 1.363E+06 J/KG
 TEST SECTION:
 PRESSURE 7.01 MPA
 SAT TEMP 559.00 K
 MASS FLUX 28.34 KG/SEC-M**2
 INLET QUALITY .063
 INLET ENTHALPY 1.363E+06 J/KG
 QUENCH FRONT:
 ELEVATION .931 M
 VELOCITY .0005 M/SEC
 QUALITY .627
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 (INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.301	660.0	.825	.670

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	563.2	.071	1.01E+05	
.051	564.8	.094	1.02E+05	
.063	562.0	.101	1.01E+05	
.089	562.8	.117	1.01E+05	
.114	561.8	.132	1.01E+05	
.140	562.7	.147	1.01E+05	
.165	559.9	.162	1.01E+05	
.317	563.3	.254	1.02E+05	
.394	563.7	.300	1.02E+05	
.470	563.1	.346	1.01E+05	
.546	564.3	.392	1.02E+05	
.622	563.9	.438	1.02E+05	
.698	564.9	.484	1.02E+05	
.775	571.9	.530	1.02E+05	
.851	581.8	.577	1.03E+05	
.927	748.8	.625	1.09E+05	
1.003	924.7	.676	1.13E+05	
1.079	958.7	.726	1.09E+05	
1.143	1040.3	.767	1.11E+05	
1.181	991.8	.793	1.12E+05	
1.244	997.5	.833	1.03E+05	
1.283	1049.3	.857	1.03E+05	
1.321	1096.9	.880	1.01E+05	

INEL POST-CHF EXPERIMENT NO. 201

POINT SERIAL NO. 1201.081 (TIME= 640.50 SEC)
 (INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 16.35 MPA
 FCV TEMPERATURE(TE-FCV-1T) 577.8 K
 LHP INLET ENTHALPY 1.363E+06 J/KG
 TEST SECTION:
 PRESSURE 7.01 MPA
 SAT TEMP 559.03 K
 MASS FLUX 28.24 KG/SEC-M**2
 INLET QUALITY .063
 INLET ENTHALPY 1.363E+06 J/KG
 QUENCH FRONT:
 ELEVATION .972 M
 VELOCITY .0005 M/SEC
 QUALITY .651
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
(INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.260	630.0	.806	.687

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	563.4	.071	1.02E+05	
.051	564.8	.094	1.02E+05	
.063	562.0	.101	1.01E+05	
.089	562.8	.117	1.01E+05	
.114	561.8	.132	1.01E+05	
.140	562.7	.147	1.01E+05	
.165	559.9	.163	1.01E+05	
.317	563.1	.255	1.02E+05	
.394	563.6	.301	1.02E+05	
.470	563.0	.347	1.01E+05	
.546	564.0	.393	1.02E+05	
.622	563.8	.439	1.02E+05	
.698	564.2	.485	1.02E+05	
.775	567.6	.531	1.02E+05	
.851	574.2	.578	1.02E+05	
.927	616.8	.623	9.92E+04	
1.003	952.9	.670	1.07E+05	
1.079	957.1	.717	9.86E+04	
1.143	1020.1	.754	9.77E+04	
1.181	965.9	.776	9.98E+04	
1.244	971.7	.813	9.33E+04	
1.283	1045.7	.835	1.04E+05	
1.321	1096.9	.858	1.03E+05	

INEL POST-CHF EXPERIMENT NO. 201

POINT SERIAL NO. 1201.091 (TIME= 698.50 SEC)
 (INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 16.32 MPA
 FCV TEMPERATURE(TE-FCV-1T) 577.8 K
 LHP INLET ENTHALPY 1.363E+06 J/KG
 TEST SECTION:
 PRESSURE 7.01 MPA
 SAT TEMP 559.00 K
 MASS FLUX 28.41 KG/SEC-M**2
 INLET QUALITY .063
 INLET ENTHALPY 1.363E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.004 M
 VELOCITY .0005 M/SEC
 QUALITY .592
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
(INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.228	625.0	.737	.633

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	563.4	.070	8.80E+04	
.051	564.4	.090	8.81E+04	
.063	561.8	.097	8.80E+04	
.089	562.5	.110	8.80E+04	
.114	561.5	.123	8.80E+04	
.140	562.4	.137	8.80E+04	
.165	559.7	.150	8.80E+04	
.317	562.7	.230	8.80E+04	
.394	563.1	.270	8.80E+04	
.470	562.5	.310	8.80E+04	
.546	563.5	.350	8.80E+04	
.622	563.3	.390	8.80E+04	
.698	563.7	.430	8.81E+04	
.775	566.2	.470	8.82E+04	
.851	570.8	.510	8.81E+04	
.927	580.8	.551	8.82E+04	
1.003	742.7	.592	9.49E+04	
1.079	917.3	.638	1.06E+05	
1.143	980.3	.679	1.12E+05	
1.181	936.5	.704	1.10E+05	
1.244	952.5	.745	1.04E+05	
1.283	1025.2	.768	1.01E+05	
1.321	1077.4	.791	9.89E+04	

INEL POST-CHF EXPERIMENT NO. 201

POINT SERIAL NO. 1201.101 (TIME= 745.50 SEC)
 (INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 16.35 MPA
 FCV TEMPERATURE(TE-FCV-1T) 577.8 K
 LHP INLET ENTHALPY 1.363E+06 J/KG
 TEST SECTION:
 PRESSURE 7.01 MPA
 SAT TEMP 558.99 K
 MASS FLUX 28.11 KG/SEC-M**2
 INLET QUALITY .063
 INLET ENTHALPY 1.363E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.029 M
 VELOCITY .0005 M/SEC
 QUALITY .609
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 (INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.203	600.0	.716	.647

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	563.3	.070	8.82E+04	
.051	564.3	.090	8.83E+04	
.063	561.8	.097	8.82E+04	
.089	562.5	.110	8.82E+04	
.114	561.6	.123	8.81E+04	
.140	562.6	.137	8.81E+04	
.165	559.8	.150	8.81E+04	
.317	562.7	.231	8.82E+04	
.394	563.0	.271	8.82E+04	
.470	562.6	.311	8.81E+04	
.546	563.4	.351	8.82E+04	
.622	563.4	.392	8.82E+04	
.698	563.5	.432	8.82E+04	
.775	566.0	.472	8.84E+04	
.851	569.2	.512	8.86E+04	
.927	576.6	.553	8.99E+04	
1.003	592.1	.595	9.32E+04	
1.079	887.6	.637	9.28E+04	
1.143	924.3	.672	8.73E+04	
1.181	887.9	.691	8.50E+04	
1.244	903.7	.722	7.81E+04	
1.283	1000.8	.741	8.75E+04	
1.321	1054.9	.761	8.85E+04	

INEL POST-CHF EXPERIMENT NO. 204

POINT SERIAL NO. 1204.021 (TIME= 80.50 SEC)
 (INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 16.07 MPA
 FCV TEMPERATURE(TE-FCV-1T) 548.5 K
 LHP INLET ENTHALPY 1.209E+06 J/KG
 TEST SECTION:
 PRESSURE 3.49 MPA
 SAT TEMP 515.50 K
 MASS FLUX 20.98 KG/SEC-M**2
 INLET QUALITY .092
 INLET ENTHALPY 1.209E+06 J/KG
 QUENCH FRONT:
 ELEVATION .316 M
 VELOCITY .0090 M/SEC
 QUALITY .264
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 (INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.916	899.0	.810	.528

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	545.7	.097	6.11E+04	
.051	561.0	.114	6.65E+04	
.063	538.1	.119	5.96E+04	
.089	550.2	.130	6.43E+04	
.114	544.3	.141	6.54E+04	
.140	540.9	.154	8.12E+04	
.165	557.9	.168	8.51E+04	
.317	688.7	.265	9.85E+04	
.394	802.0	.321	1.11E+05	
.470	891.6	.380	1.16E+05	
.546	941.3	.439	1.07E+05	
.622	984.7	.494	1.05E+05	
.698	1017.4	.546	9.57E+04	
.775	1045.9	.595	8.98E+04	
.851	1070.5	.641	8.38E+04	
.927	1089.7	.683	7.74E+04	
1.003	1108.8	.723	7.38E+04	
1.079	1043.4	.758	5.80E+04	
1.143	1057.4	.783	5.58E+04	
1.181	997.7	.797	4.73E+04	
1.244	1034.0	.818	5.10E+04	
1.283	998.5	.832	5.37E+04	
1.321	1032.3	.846	5.33E+04	

5.06E+03

INEL POST-CHF EXPERIMENT NO. 204

POINT SERIAL NO. 1204.031 (TIME= 89.50 SEC)
 { INFERRED VAPOR TEMP }
 LOOP PRESSURE (PE-3) 16.09 MPA
 FCV TEMPERATURE (TE-FCV-1T) 548.5 K
 LHP INLET ENTHALPY 1.209E+06 J/KG
 TEST SECTION:
 PRESSURE 3.49 MPA
 SAT TEMP 515.48 K
 MASS FLUX 21.26 KG/SEC-M**2
 INLET QUALITY .092
 INLET ENTHALPY 1.209E+06 J/KG
 QUENCH FRONT:
 ELEVATION .391 M
 VELOCITY .0078 M/SEC
 QUALITY .283
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 { INFERRED VAPOR TEMP }

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.841	870.0	.779	.520

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	539.3	.097	5.84E+04	
.051	549.5	.112	6.20E+04	
.063	533.5	.118	5.71E+04	
.089	542.2	.128	5.89E+04	
.114	536.9	.138	5.80E+04	
.140	528.3	.148	5.71E+04	
.165	530.4	.159	6.43E+04	
.317	630.5	.236	8.49E+04	
.394	707.0	.284	9.89E+04	
.470	807.6	.339	1.13E+05	
.546	892.4	.397	1.09E+05	
.622	937.4	.453	1.04E+05	
.698	978.0	.505	9.72E+04	
.775	1012.0	.555	9.24E+04	
.851	1042.1	.601	8.62E+04	
.927	1067.0	.645	8.14E+04	
1.003	1090.1	.686	7.68E+04	
1.079	1038.8	.722	6.18E+04	
1.143	1053.7	.749	6.17E+04	3.74E+02
1.181	996.7	.764	5.27E+04	5.11E+03
1.244	1031.5	.788	5.64E+04	
1.283	998.7	.802	5.59E+04	
1.321	1033.2	.817	5.44E+04	

INEL POST-CHF EXPERIMENT NO. 204

POINT SERIAL NO. 1204.041 (TIME= 100.50 SEC)
 { INFERRED VAPOR TEMP }
 LOOP PRESSURE (PE-3) 16.07 MPA
 FCV TEMPERATURE (TE-FCV-1T) 548.7 K
 LHP INLET ENTHALPY 1.210E+06 J/KG
 TEST SECTION:
 PRESSURE 3.49 MPA
 SAT TEMP 515.45 K
 MASS FLUX 21.32 KG/SEC-M**2
 INLET QUALITY .092
 INLET ENTHALPY 1.210E+06 J/KG
 QUENCH FRONT:
 ELEVATION .472 M
 VELOCITY .0070 M/SEC
 QUALITY .310
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 { INFERRED VAPOR TEMP }

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.760	830.0	.759	.526

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	534.6	.097	5.68E+04	
.051	540.9	.112	5.88E+04	
.063	530.2	.117	5.59E+04	
.089	537.1	.127	5.69E+04	
.114	532.8	.137	5.64E+04	
.140	525.6	.146	5.53E+04	
.165	526.0	.156	5.61E+04	
.317	558.5	.221	6.80E+04	
.394	638.4	.261	8.45E+04	
.470	711.4	.309	1.00E+05	
.546	801.9	.364	1.11E+05	
.622	879.7	.421	1.08E+05	
.698	928.4	.475	9.67E+04	
.775	968.9	.524	9.26E+04	
.851	1005.6	.571	8.77E+04	
.927	1035.3	.616	8.57E+04	
1.003	1064.5	.659	8.11E+04	
1.079	1029.7	.697	6.53E+04	
1.143	1043.2	.726	6.77E+04	3.79E+02
1.181	990.2	.742	5.83E+04	4.27E+03
1.244	1023.6	.768	6.19E+04	
1.283	996.1	.784	6.15E+04	
1.321	1032.4	.800	5.99E+04	

INEL POST-CHF EXPERIMENT NO. 204

POINT SERIAL NO. 1204.051 (TIME= 110.50 SEC)
 (INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 16.07 MPA
 FGV TEMPERATURE(TE-FCV-1T) 548.7 K
 LHP INLET ENTHALPY 1.210E+06 J/KG
 TEST SECTION:
 PRESSURE 3.49 MPA
 SAT TEMP 515.46 K
 MASS FLUX 21.30 KG/SEC-M**2
 INLET QUALITY .092
 INLET ENTHALPY 1.210E+06 J/KG
 QUENCH FRONT:
 ELEVATION .544 M
 VELOCITY .0074 M/SEC
 QUALITY .338
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 (INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.688	799.0	.731	.521

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	531.7	.097	5.61E+04	
.051	536.1	.112	5.72E+04	
.063	528.3	.117	5.55E+04	
.089	534.2	.126	5.61E+04	
.114	530.4	.136	5.58E+04	
.140	524.4	.146	5.49E+04	
.165	524.1	.155	5.53E+04	
.317	546.3	.215	5.89E+04	
.394	579.8	.248	7.03E+04	
.470	641.2	.289	8.78E+04	
.546	726.8	.339	1.02E+05	
.622	794.5	.395	1.14E+05	
.698	885.2	.449	9.61E+04	
.775	931.0	.498	8.99E+04	
.851	973.2	.544	8.59E+04	
.927	1004.8	.588	8.34E+04	
1.003	1039.3	.630	7.99E+04	
1.079	1018.5	.668	6.70E+04	
1.143	1029.2	.697	6.86E+04	7.04E+02
1.181	981.0	.714	5.95E+04	4.37E+03
1.244	1012.5	.741	6.31E+04	
1.283	989.4	.757	6.21E+04	
1.321	1027.2	.773	6.00E+04	

INEL POST-CHF EXPERIMENT NO. 204

POINT SERIAL NO. 1204.060 (TIME= 121.50 SEC)
 LOOP PRESSURE(PE-3) 16.09 MPA
 FGV TEMPERATURE(TE-FCV-1T) 548.5 K
 LHP INLET ENTHALPY 1.209E+06 J/KG
 TEST SECTION:
 PRESSURE 3.49 MPA
 SAT TEMP 515.48 K
 MASS FLUX 21.13 KG/SEC-M**2
 INLET QUALITY .092
 INLET ENTHALPY 1.209E+06 J/KG
 QUENCH FRONT:
 ELEVATION .620 M
 VELOCITY .0064 M/SEC
 QUALITY .374
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.612	776.7	.719	.523

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	529.6	.096	5.57E+04	
.051	532.7	.111	5.64E+04	
.063	526.7	.116	5.56E+04	
.089	531.8	.126	5.61E+04	
.114	528.3	.135	5.61E+04	
.140	523.5	.145	5.54E+04	
.165	522.7	.155	5.55E+04	
.317	540.8	.214	5.81E+04	
.394	567.1	.245	6.15E+04	
.470	576.2	.281	7.38E+04	
.546	647.4	.324	9.27E+04	
.622	705.3	.375	1.03E+05	
.698	815.6	.429	1.01E+05	
.775	889.4	.478	8.85E+04	
.851	936.8	.524	8.56E+04	
.927	971.3	.569	8.45E+04	
1.003	1009.1	.612	8.17E+04	
1.079	1003.1	.652	7.01E+04	
1.143	1010.7	.683	7.20E+04	7.52E+02
1.181	967.7	.701	6.30E+04	4.48E+03
1.244	996.3	.729	6.73E+04	
1.283	978.6	.747	6.63E+04	
1.321	1019.4	.764	6.38E+04	

INEL POST-CHF EXPERIMENT NO. 204

POINT SERIAL NO. 1204.071 (TIME= 134.50 SEC)
 (INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 16.07 MPA
 FCV TEMPERATURE(TE-FCV-1T) 548.4 K
 LHP INLET ENTHALPY 1.209E+06 J/KG
 TEST SECTION:
 PRESSURE 3.49 MPA
 SAT TEMP 515.49 K
 MASS FLUX 21.18 KG/SEC-M**2
 INLET QUALITY .091
 INLET ENTHALPY 1.209E+06 J/KG
 QUENCH FRONT:
 ELEVATION .696 M
 VELOCITY .0053 M/SEC
 QUALITY .395
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 (INFERRED VAPOR TEMP)
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.232 .536 730.0 .688 .523

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013	527.6	.096	5.48E+04	
.051	530.1	.111	5.51E+04	
.063	525.5	.115	5.44E+04	
.089	529.9	.125	5.48E+04	
.114	526.6	.134	5.47E+04	
.140	522.9	.144	5.41E+04	
.165	522.0	.153	5.41E+04	
.317	536.5	.211	5.60E+04	
.394	558.3	.241	5.84E+04	
.470	558.0	.272	6.05E+04	
.546	581.4	.306	7.02E+04	
.622	609.6	.348	9.03E+04	
.698	726.3	.396	9.39E+04	
.775	828.0	.445	9.19E+04	
.851	895.3	.491	8.56E+04	
.927	933.1	.536	8.34E+04	
1.003	973.6	.579	8.25E+04	
1.079	982.3	.619	7.20E+04	
1.143	986.2	.651	7.37E+04	9.53E+02
1.181	948.5	.669	6.48E+04	4.75E+03
1.244	972.9	.699	7.13E+04	
1.283	960.3	.718	7.18E+04	
1.321	1004.4	.736	6.96E+04	

INEL POST-CHF EXPERIMENT NO. 204

POINT SERIAL NO. 1204.080 (TIME= 151.50 SEC)
 LOOP PRESSURE(PE-3) 16.12 MPA
 FCV TEMPERATURE(TE-FCV-1T) 548.6 K
 LHP INLET ENTHALPY 1.210E+06 J/KG
 TEST SECTION:
 PRESSURE 3.49 MPA
 SAT TEMP 515.46 K
 MASS FLUX 21.17 KG/SEC-M**2
 INLET QUALITY .092
 INLET ENTHALPY 1.210E+06 J/KG
 QUENCH FRONT:
 ELEVATION .778 M
 VELOCITY .0044 M/SEC
 QUALITY .416
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.232 .454 685.8 .659 .524

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013	526.5	.097	5.45E+04	
.051	528.7	.111	5.47E+04	
.063	525.2	.116	5.44E+04	
.089	528.9	.125	5.46E+04	
.114	525.7	.135	5.46E+04	
.140	523.3	.144	5.41E+04	
.165	522.4	.153	5.41E+04	
.317	533.4	.211	5.55E+04	
.394	550.7	.240	5.73E+04	
.470	547.9	.270	5.78E+04	
.546	563.2	.301	6.00E+04	
.622	549.6	.333	6.05E+04	
.698	611.4	.370	8.16E+04	
.775	698.9	.414	8.86E+04	
.851	825.1	.462	9.29E+04	
.927	882.4	.508	8.26E+04	
1.003	926.1	.550	8.05E+04	
1.079	951.3	.590	7.26E+04	
1.143	951.2	.622	7.42E+04	
1.181	919.5	.640	6.22E+04	7.60E+03
1.244	930.6	.671	7.93E+04	
1.283	933.6	.690	6.93E+04	
1.321	983.0	.708	6.61E+04	

INEL POST-CHF EXPERIMENT NO. 204

POINT SERIAL NO. 1204.090 (TIME= 167.50 SEC)

LOOP PRESSURE(PE-3) 16.08 MPA
 FCV TEMPERATURE(TE-FCV-1T) 548.7 K
 LHP INLET ENTHALPY 1.210E+06 J/KG
 TEST SECTION:
 PRESSURE 3.49 MPA
 SAT TEMP 515.45 K
 MASS FLUX 21.21 KG/SEC-M**2
 INLET QUALITY .092
 INLET ENTHALPY 1.210E+06 J/KG
 QUENCH FRONT:
 ELEVATION .846 M
 VELOCITY .0040 M/SEC
 QUALITY .441
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.386	650.2	.642	.530

WALL TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	526.6	.097	5.49E+04	
.051	528.6	.111	5.51E+04	
.063	525.7	.116	5.50E+04	
.089	529.0	.126	5.52E+04	
.114	525.7	.135	5.51E+04	
.140	524.3	.145	5.49E+04	
.165	523.4	.155	5.49E+04	
.317	532.0	.212	5.58E+04	
.394	545.7	.242	5.72E+04	
.470	542.4	.272	5.71E+04	
.546	554.1	.302	5.87E+04	
.622	541.2	.332	5.77E+04	
.698	569.1	.364	6.30E+04	
.775	600.4	.400	7.44E+04	
.851	735.1	.444	9.41E+04	
.927	837.3	.491	8.55E+04	
1.003	886.3	.533	7.86E+04	
1.079	923.1	.572	7.14E+04	
1.143	919.9	.604	7.28E+04	
1.181	889.2	.621	5.84E+04	2.48E+04
1.244	855.8	.661	1.24E+05	
1.283	912.0	.685	6.47E+04	
1.321	966.6	.702	6.07E+04	

INEL POST-CHF EXPERIMENT NO. 204

POINT SERIAL NO. 1204.101 (TIME= 177.50 SEC)
 (INFERRED VAPOR TEMP)

LOOP PRESSURE(PE-3) 16.11 MPA
 FCV TEMPERATURE(TE-FCV-1T) 548.5 K
 LHP INLET ENTHALPY 1.209E+06 J/KG
 TEST SECTION:
 PRESSURE 3.49 MPA
 SAT TEMP 515.46 K
 MASS FLUX 21.19 KG/SEC-M**2
 INLET QUALITY .092
 INLET ENTHALPY 1.209E+06 J/KG
 QUENCH FRONT:
 ELEVATION .886 M
 VELOCITY .0040 M/SEC
 QUALITY .454
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.346	632.0	.672	.567

WALL TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	526.3	.097	5.51E+04	
.051	528.2	.111	5.52E+04	
.063	525.4	.116	5.52E+04	
.089	528.4	.125	5.53E+04	
.114	525.3	.135	5.53E+04	
.140	524.2	.145	5.50E+04	
.165	523.2	.154	5.50E+04	
.317	530.8	.212	5.58E+04	
.394	542.7	.241	5.70E+04	
.470	539.5	.271	5.69E+04	
.546	549.3	.301	5.81E+04	
.622	537.8	.331	5.71E+04	
.698	559.6	.362	6.07E+04	
.775	583.0	.394	6.31E+04	
.851	605.9	.433	8.45E+04	
.927	813.1	.479	9.29E+04	
1.003	863.8	.524	8.03E+04	
1.079	907.6	.564	7.11E+04	
1.143	903.9	.595	7.32E+04	
1.181	855.6	.622	1.30E+05	
1.244	774.7	.687	1.69E+05	
1.283	904.0	.718	6.74E+04	
1.321	962.6	.735	6.40E+04	

INEL POST-CHF EXPERIMENT NO. 204

POINT SERIAL NO. 1204.111 (TIME= 182.50 SEC)
 { INFERRED VAPOR TEMP }
 LOOP PRESSURE(PE-3) 16.08 MPA
 FCV TEMPERATURE(TE-FCV-1T) 548.4 K
 LHP INLET ENTHALPY 1.209E+06 J/KG
 TEST SECTION:
 PRESSURE 3.49 MPA
 SAT TEMP 515.47 K
 MASS FLUX 21.05 KG/SEC-M**2
 INLET QUALITY .091
 INLET ENTHALPY 1.209E+06 J/KG
 QUENCH FRONT:
 ELEVATION .901 M
 VELOCITY .0028 M/SEC
 QUALITY .460
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

{ INFERRED VAPOR TEMP }
 ELEVATION DZQF TV XE XA
 (M) (M) (K)
 1.232 .331 620.0 .695 .594

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	526.1	.096	5.51E+04	
.051	528.0	.111	5.52E+04	
.063	525.2	.115	5.51E+04	
.089	528.1	.125	5.53E+04	
.114	525.1	.135	5.50E+04	
.140	524.1	.144	5.51E+04	
.165	523.2	.154	5.50E+04	
.317	530.3	.212	5.58E+04	
.394	541.4	.242	5.69E+04	
.470	538.3	.272	5.65E+04	
.546	547.3	.302	5.78E+04	
.622	536.3	.332	5.68E+04	
.698	556.0	.363	5.99E+04	
.775	577.9	.395	6.20E+04	
.851	591.8	.429	6.86E+04	
.927	802.2	.476	1.08E+05	
1.003	851.1	.526	8.37E+04	
1.079	899.1	.567	7.29E+04	
1.143	894.2	.600	7.60E+04	
1.181	816.2	.633	1.79E+05	
1.244	678.9	.710	1.69E+05	
1.283	898.2	.741	6.50E+04	
1.321	958.3	.757	6.02E+04	

INEL POST-CHF EXPERIMENT NO. 205

POINT SERIAL NO. 1205.011 (TIME= 148.50 SEC)
 { INFERRED VAPOR TEMP }
 LOOP PRESSURE(PE-3) 16.10 MPA
 FCV TEMPERATURE(TE-FCV-1T) 549.6 K
 LHP INLET ENTHALPY 1.215E+06 J/KG
 TEST SECTION:
 PRESSURE 3.49 MPA
 SAT TEMP 515.48 K
 MASS FLUX 23.09 KG/SEC-M**2
 INLET QUALITY .095
 INLET ENTHALPY 1.215E+06 J/KG
 QUENCH FRONT:
 ELEVATION .462 M
 VELOCITY .0020 M/SEC
 QUALITY .436
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

{ INFERRED VAPOR TEMP }
 ELEVATION DZQF TV XE XA
 (M) (M) (K)
 1.232 .770 890.0 1.006 .660

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	527.0	.104	1.13E+05	
.051	529.3	.131	1.14E+05	
.063	526.1	.140	1.13E+05	
.089	529.6	.158	1.14E+05	
.114	527.3	.176	1.12E+05	
.140	525.4	.194	1.13E+05	
.165	522.9	.212	1.13E+05	
.317	537.5	.321	1.15E+05	
.394	562.8	.377	1.19E+05	
.470	750.4	.443	1.53E+05	
.546	919.6	.509	1.25E+05	
.622	975.4	.568	1.23E+05	
.698	1026.7	.627	1.23E+05	
.775	1075.6	.686	1.23E+05	
.851	1120.8	.745	1.22E+05	
.927	1168.4	.802	1.19E+05	
1.003	1212.5	.859	1.18E+05	
1.079	1150.2	.913	1.06E+05	5.76E+03
1.143	1199.6	.956	1.08E+05	5.29E+03
1.181	1140.2	.980	9.57E+04	1.49E+04
1.245	1196.4	1.021	1.09E+05	
1.283	1149.7	1.048	1.15E+05	
1.321	1165.7	1.076	1.16E+05	

INEL POST-CHF EXPERIMENT NO. 205

POINT SERIAL NO. 1205.021 (TIME= 200.50 SEC)
 {INFERRED VAPOR TEMP}
 LOOP PRESSURE{PE-3} 16.14 MPA
 FCV TEMPERATURE{TE-FCV-1T} 549.3 K
 LHP INLET ENTHALPY 1.213E+06 J/KG
 TEST SECTION:
 PRESSURE 3.49 MPA
 SAT TEMP 515.48 K
 MASS FLUX 23.21 KG/SEC-M**2
 INLET QUALITY .094
 INLET ENTHALPY 1.213E+06 J/KG
 QUENCH FRONT:
 ELEVATION .542 M
 VELOCITY .0012 M/SEC
 QUALITY .488
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
{INFERRED VAPOR TEMP}

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.690	870.0	.968	.646

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	525.9	.103	1.13E+05	
.051	527.7	.130	1.13E+05	
.063	525.2	.139	1.13E+05	
.089	527.9	.157	1.13E+05	
.114	525.5	.175	1.13E+05	
.140	525.5	.193	1.13E+05	
.165	522.4	.211	1.12E+05	
.317	529.8	.319	1.13E+05	
.394	543.4	.374	1.14E+05	
.470	547.3	.429	1.17E+05	
.546	781.7	.492	1.43E+05	
.622	966.8	.554	1.18E+05	
.698	1019.4	.610	1.16E+05	
.775	1068.2	.665	1.16E+05	
.851	1116.5	.720	1.13E+05	
.927	1166.5	.774	1.13E+05	
1.003	1213.1	.827	1.12E+05	
1.079	1165.4	.879	1.03E+05	6.24E+03
1.143	1210.4	.920	1.04E+05	5.55E+03
1.181	1155.2	.943	9.24E+04	1.51E+04
1.245	1198.4	.982	1.04E+05	
1.283	1155.2	1.008	1.13E+05	
1.321	1170.2	1.035	1.13E+05	

INEL POST-CHF EXPERIMENT NO. 205

POINT SERIAL NO. 1205.031 (TIME= 279.50 SEC)
 {INFERRED VAPOR TEMP}
 LOOP PRESSURE{PE-3} 16.07 MPA
 FCV TEMPERATURE{TE-FCV-1T} 549.3 K
 LHP INLET ENTHALPY 1.213E+06 J/KG
 TEST SECTION:
 PRESSURE 3.48 MPA
 SAT TEMP 515.44 K
 MASS FLUX 22.74 KG/SEC-M**2
 INLET QUALITY .094
 INLET ENTHALPY 1.213E+06 J/KG
 QUENCH FRONT:
 ELEVATION .618 M
 VELOCITY .0008 M/SEC
 QUALITY .538
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
{INFERRED VAPOR TEMP}

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.614	830.0	.966	.669

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	524.5	.103	1.12E+05	
.051	525.9	.130	1.12E+05	
.063	523.7	.139	1.12E+05	
.089	525.6	.157	1.12E+05	
.114	523.8	.175	1.12E+05	
.140	524.7	.193	1.12E+05	
.165	521.7	.211	1.12E+05	
.317	526.5	.319	1.12E+05	
.394	531.3	.373	1.12E+05	
.470	529.9	.428	1.13E+05	
.546	547.3	.483	1.15E+05	
.622	690.6	.541	1.25E+05	
.698	997.5	.599	1.13E+05	
.775	1054.1	.653	1.11E+05	
.851	1111.4	.708	1.12E+05	
.927	1155.6	.763	1.14E+05	
1.003	1205.7	.818	1.13E+05	
1.079	1176.4	.872	1.07E+05	5.06E+03
1.143	1211.0	.915	1.07E+05	5.53E+03
1.181	1158.8	.940	9.60E+04	1.44E+04
1.245	1195.1	.981	1.07E+05	
1.283	1154.0	1.008	1.14E+05	
1.321	1168.2	1.036	1.14E+05	

INEL POST-CHF EXPERIMENT NO. 205

POINT SERIAL NO. 1205.041 (TIME= 554.50 SEC)
 {INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 16.11 MPA
 FCV TEMPERATURE(TE-FCV-1T) 549.2 K
 LHP INLET ENTHALPY 1.213E+06 J/KG
 TEST SECTION:
 PRESSURE 3.48 MPA
 SAT TEMP 515.44 K
 MASS FLUX 22.64 KG/SEC-M**2
 INLET QUALITY .094
 INLET ENTHALPY 1.213E+06 J/KG
 QUENCH FRONT:
 ELEVATION .802 M
 VELOCITY .0006 M/SEC
 QUALITY .558
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 (INFERRED VAPOR TEMP)
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.232 .430 680.0 .813 .651

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013	524.1	.101	8.93E+04	
.051	525.0	.123	8.93E+04	
.063	523.4	.130	8.93E+04	
.089	524.6	.145	8.93E+04	
.114	523.1	.159	8.93E+04	
.140	524.3	.174	8.93E+04	
.165	522.2	.188	8.93E+04	
.317	525.0	.276	8.94E+04	
.394	525.4	.319	8.94E+04	
.470	524.2	.363	8.94E+04	
.546	525.2	.407	8.96E+04	
.622	523.8	.451	8.94E+04	
.698	534.4	.494	9.00E+04	
.775	585.1	.541	1.01E+05	
.851	952.0	.589	9.51E+04	
.927	994.6	.636	9.52E+04	
1.003	1048.8	.682	9.61E+04	
1.079	1069.0	.729	9.65E+04	
1.143	1086.8	.768	9.44E+04	
1.181	1063.2	.790	8.63E+04	6.11E+03
1.244	1065.8	.826	8.85E+04	
1.283	1056.4	.848	9.23E+04	
1.321	1072.6	.871	9.24E+04	

INEL POST-CHF EXPERIMENT NO. 205

POINT SERIAL NO. 1205.051 (TIME= 635.50 SEC)
 {INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 16.08 MPA
 FCV TEMPERATURE(TE-FCV-1T) 549.2 K
 LHP INLET ENTHALPY 1.213E+06 J/KG
 TEST SECTION:
 PRESSURE 3.49 MPA
 SAT TEMP 515.45 K
 MASS FLUX 22.63 KG/SEC-M**2
 INLET QUALITY .094
 INLET ENTHALPY 1.213E+06 J/KG
 QUENCH FRONT:
 ELEVATION .844 M
 VELOCITY .0005 M/SEC
 QUALITY .581
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 (INFERRED VAPOR TEMP)
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.232 .388 655.0 .808 .664

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013	524.0	.101	8.94E+04	
.051	524.8	.123	8.94E+04	
.063	523.2	.130	8.94E+04	
.089	524.3	.145	8.94E+04	
.114	522.9	.159	8.94E+04	
.140	524.2	.174	8.94E+04	
.165	522.2	.188	8.94E+04	
.317	524.7	.275	8.94E+04	
.394	524.9	.319	8.94E+04	
.470	523.8	.363	8.94E+04	
.546	524.1	.406	8.95E+04	
.622	522.9	.450	8.94E+04	
.698	529.0	.494	9.01E+04	
.775	546.7	.538	9.21E+04	
.851	738.1	.586	1.00E+05	
.927	991.6	.632	8.99E+04	
1.003	1046.8	.676	9.00E+04	
1.079	1052.7	.720	9.05E+04	
1.143	1079.8	.757	9.04E+04	
1.181	1056.7	.779	9.08E+04	
1.244	1047.3	.815	8.76E+04	
1.283	1039.7	.838	9.46E+04	
1.321	1060.8	.860	9.30E+04	

INEL POST-CHF EXPERIMENT NO. 205

POINT SERIAL NO. 1205.061 (TIME= 790.50 SEC)
 (INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 16.07 MPA
 FCV TEMPERATURE(TE-FCV-1T) 548.9 K
 LHP INLET ENTHALPY 1.211E+06 J/KG
 TEST SECTION:
 PRESSURE 3.48 MPA
 SAT TEMP 515.37 K
 MASS FLUX 22.45 KG/SEC-M**2
 INLET QUALITY .093
 INLET ENTHALPY 1.211E+06 J/KG
 QUENCH FRONT:
 ELEVATION .920 M
 VELOCITY .0005 M/SEC
 QUALITY .626
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
(INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.312	600.0	.809	.709

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	523.9	.100	8.85E+04	
.051	524.5	.122	8.85E+04	
.063	523.0	.129	8.86E+04	
.089	523.9	.144	8.85E+04	
.114	522.7	.158	8.86E+04	
.140	524.1	.173	8.86E+04	
.165	521.9	.188	8.86E+04	
.317	524.3	.275	8.86E+04	
.394	524.4	.319	8.86E+04	
.470	523.4	.362	8.85E+04	
.546	523.8	.406	8.85E+04	
.622	522.4	.450	8.86E+04	
.698	525.5	.493	8.90E+04	
.775	533.5	.538	9.03E+04	
.851	549.5	.583	9.24E+04	
.927	957.3	.630	1.01E+05	
1.003	1062.1	.678	9.14E+04	
1.079	1060.5	.722	8.93E+04	
1.143	1096.7	.759	8.88E+04	
1.181	1068.5	.781	8.95E+04	
1.244	1054.6	.816	8.11E+04	
1.283	1036.6	.837	8.82E+04	
1.321	1063.4	.858	8.74E+04	

INEL POST-CHF EXPERIMENT NO. 205

POINT SERIAL NO. 1205.071 (TIME= 902.50 SEC)
 (INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 16.09 MPA
 FCV TEMPERATURE(TE-FCV-1T) 549.1 K
 LHP INLET ENTHALPY 1.212E+06 J/KG
 TEST SECTION:
 PRESSURE 3.48 MPA
 SAT TEMP 515.41 K
 MASS FLUX 22.60 KG/SEC-M**2
 INLET QUALITY .093
 INLET ENTHALPY 1.212E+06 J/KG
 QUENCH FRONT:
 ELEVATION .985 M
 VELOCITY .0011 M/SEC
 QUALITY .554
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
(INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.247	560.0	.688	.637

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	523.5	.099	7.16E+04	
.051	524.2	.117	7.16E+04	
.063	522.7	.123	7.16E+04	
.089	523.4	.135	7.16E+04	
.114	522.3	.146	7.16E+04	
.140	523.3	.158	7.16E+04	
.165	521.2	.170	7.16E+04	
.317	523.4	.240	7.16E+04	
.394	523.4	.275	7.17E+04	
.470	522.3	.311	7.16E+04	
.546	523.5	.346	7.16E+04	
.622	521.0	.381	7.18E+04	
.698	523.3	.416	7.17E+04	
.775	526.0	.452	7.18E+04	
.851	530.2	.487	7.20E+04	
.927	553.8	.523	7.54E+04	
1.003	782.8	.565	9.31E+04	
1.079	934.3	.606	7.77E+04	
1.143	937.8	.638	7.66E+04	
1.181	930.0	.658	8.58E+04	
1.244	843.8	.697	1.04E+05	
1.283	953.3	.719	7.96E+04	
1.321	999.7	.739	7.79E+04	

INEL POST-CHF EXPERIMENT NO. 209

POINT SERIAL NO. 1209.011 (TIME= 224.50 SEC)
 {INFERRED VAPOR TEMP}
 LOOP PRESSURE(PE-3) 16.13 MPA
 FCV TEMPERATURE(TE-FCV-1T) 548.1 K
 LHP INLET ENTHALPY 1.207E+06 J/KG
 TEST SECTION:
 PRESSURE 3.51 MPA
 SAT TEMP 515.81 K
 MASS FLUX 45.31 KG/SEC-M**2
 INLET QUALITY .090
 INLET ENTHALPY 1.207E+06 J/KG
 QUENCH FRONT:
 ELEVATION .514 M
 VELOCITY .0015 M/SEC
 QUALITY .348
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

{INFERRED VAPOR TEMP}
 ELEVATION DZQF TV XE XA
 (M) (M) (K)
 1.232 .718 870.0 .695 .464

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	525.1	.096	1.52E+05	
.051	527.1	.114	1.52E+05	
.063	525.1	.121	1.52E+05	
.089	527.4	.133	1.52E+05	
.114	525.9	.146	1.52E+05	
.140	525.9	.158	1.52E+05	
.165	524.1	.170	1.52E+05	
.317	529.7	.245	1.53E+05	
.394	549.8	.283	1.55E+05	
.470	576.5	.323	1.74E+05	
.546	1020.1	.367	1.86E+05	
.622	1066.8	.409	1.52E+05	
.698	1092.6	.446	1.51E+05	
.775	1120.3	.483	1.52E+05	
.851	1148.4	.520	1.53E+05	
.927	1180.2	.557	1.51E+05	
1.003	1213.7	.594	1.53E+05	
1.079	1175.2	.631	1.45E+05	5.25E+03
1.143	1195.0	.660	1.45E+05	6.22E+03
1.181	1152.6	.677	1.34E+05	1.49E+04
1.245	1185.9	.705	1.43E+05	
1.283	1176.5	.724	1.54E+05	
1.321	813.3	.748	2.45E+05	

INEL POST-CHF EXPERIMENT NO. 209

POINT SERIAL NO. 1209.021 (TIME= 231.50 SEC)
 {INFERRED VAPOR TEMP}
 LOOP PRESSURE(PE-3) 16.10 MPA
 FCV TEMPERATURE(TE-FCV-1T) 548.1 K
 LHP INLET ENTHALPY 1.207E+06 J/KG
 TEST SECTION:
 PRESSURE 3.51 MPA
 SAT TEMP 515.82 K
 MASS FLUX 45.25 KG/SEC-M**2
 INLET QUALITY .090
 INLET ENTHALPY 1.207E+06 J/KG
 QUENCH FRONT:
 ELEVATION .524 M
 VELOCITY .0015 M/SEC
 QUALITY .354
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

{INFERRED VAPOR TEMP}
 ELEVATION DZQF TV XE XA
 (M) (M) (K)
 1.232 .708 800.0 .721 .513

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	524.4	.096	1.53E+05	
.051	526.3	.115	1.53E+05	
.063	523.7	.121	1.52E+05	
.089	525.8	.133	1.53E+05	
.114	524.2	.146	1.52E+05	
.140	524.3	.158	1.52E+05	
.165	522.6	.171	1.52E+05	
.317	527.9	.245	1.52E+05	
.394	546.2	.283	1.54E+05	
.470	565.2	.322	1.66E+05	
.546	1000.9	.367	2.00E+05	
.622	1062.4	.412	1.68E+05	
.698	1090.2	.453	1.65E+05	
.775	1117.8	.493	1.64E+05	
.851	1145.5	.533	1.64E+05	
.927	1177.9	.573	1.63E+05	
1.003	1210.1	.613	1.65E+05	
1.079	1174.9	.653	1.55E+05	1.88E+03
1.143	1192.3	.684	1.54E+05	6.77E+03
1.181	1151.6	.702	1.42E+05	1.48E+04
1.245	1184.5	.732	1.52E+05	
1.283	1169.7	.752	1.70E+05	
1.321	742.5	.776	2.30E+05	

INEL POST-CHF EXPERIMENT NO. 209

POINT SERIAL NO. 1209.031 (TIME= 272.50 SEC)
 { INFERRED VAPOR TEMP }
 LOOP PRESSURE (PE-3) 16.13 MPA
 FCV TEMPERATURE (TE-FCV-1T) 547.7 K
 LHP INLET ENTHALPY 1.205E+06 J/KG
 TEST SECTION:
 PRESSURE 3.51 MPA
 SAT TEMP 515.84 K
 MASS FLUX 45.12 KG/SEC-M**2
 INLET QUALITY .088
 INLET ENTHALPY 1.205E+06 J/KG
 QUENCH FRONT:
 ELEVATION .588 M
 VELOCITY .0016 M/SEC
 QUALITY .383
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
(INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.644	820.0	.688	.481

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	526.8	.095	1.51E+05	
.051	528.8	.113	1.51E+05	
.063	527.3	.119	1.51E+05	
.089	528.8	.132	1.51E+05	
.114	527.8	.144	1.51E+05	
.140	528.2	.157	1.51E+05	
.165	526.1	.169	1.51E+05	
.317	532.7	.243	1.51E+05	
.394	539.5	.281	1.52E+05	
.470	543.0	.318	1.53E+05	
.546	594.4	.359	1.76E+05	
.622	1022.7	.403	1.85E+05	
.698	1068.3	.444	1.48E+05	
.775	1097.4	.480	1.47E+05	
.851	1123.2	.516	1.48E+05	
.927	1154.7	.553	1.48E+05	
1.003	1187.2	.589	1.47E+05	
1.079	1159.4	.625	1.43E+05	5.02E+03
1.143	1169.8	.654	1.41E+05	4.86E+03
1.181	1133.4	.670	1.31E+05	1.29E+04
1.245	1145.7	.698	1.39E+05	
1.283	980.5	.723	2.71E+05	
1.321	585.8	.750	1.64E+05	

INEL POST-CHF EXPERIMENT NO. 209

POINT SERIAL NO. 1209.041 (TIME= 273.50 SEC)
 { INFERRED VAPOR TEMP }
 LOOP PRESSURE (PE-3) 16.14 MPA
 FCV TEMPERATURE (TE-FCV-1T) 547.7 K
 LHP INLET ENTHALPY 1.205E+06 J/KG
 TEST SECTION:
 PRESSURE 3.51 MPA
 SAT TEMP 515.85 K
 MASS FLUX 45.05 KG/SEC-M**2
 INLET QUALITY .089
 INLET ENTHALPY 1.205E+06 J/KG
 QUENCH FRONT:
 ELEVATION .589 M
 VELOCITY .0016 M/SEC
 QUALITY .384
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
(INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.642	770.0	.689	.504

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	526.8	.095	1.51E+05	
.051	528.8	.113	1.51E+05	
.063	527.3	.119	1.51E+05	
.089	528.8	.132	1.51E+05	
.114	527.8	.144	1.51E+05	
.140	528.2	.157	1.51E+05	
.165	526.0	.169	1.51E+05	
.317	532.7	.243	1.51E+05	
.394	539.3	.281	1.52E+05	
.470	542.8	.318	1.53E+05	
.546	592.4	.359	1.75E+05	
.622	1021.7	.403	1.86E+05	
.698	1068.9	.444	1.48E+05	
.775	1098.0	.480	1.47E+05	
.851	1123.6	.517	1.48E+05	
.927	1155.2	.553	1.48E+05	
1.003	1187.6	.590	1.48E+05	
1.079	1159.8	.625	1.43E+05	4.79E+03
1.143	1170.3	.654	1.41E+05	4.82E+03
1.181	1134.0	.671	1.31E+05	1.26E+04
1.245	1146.1	.699	1.39E+05	
1.283	959.4	.724	2.72E+05	
1.321	584.3	.751	1.63E+05	

INEL POST-CHF EXPERIMENT NO. 209

POINT SERIAL NO. 1209.051 (TIME= 290.50 SEC)
 { INFERRED VAPOR TEMP}
 LOOP PRESSURE{PE-3} 16.11 MPA
 FCV TEMPERATURE{TE-FCV-1T} 547.9 K
 LHP INLET ENTHALPY 1.206E+06 J/KG
 TEST SECTION:
 PRESSURE 3.51 MPA
 SAT TEMP 515.86 K
 MASS FLUX 44.96 KG/SEC-M**2
 INLET QUALITY .089
 INLET ENTHALPY 1.206E+06 J/KG
 QUENCH FRONT:
 ELEVATION .617 M
 VELOCITY .0016 M/SEC
 QUALITY .398
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

{ INFERRED VAPOR TEMP}
 ELEVATION DZQF TV XE XA
 (M) (M) (K)
 1.232 .615 800.0 .689 .490

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	527.1	.095	1.50E+05	
.051	528.9	.114	1.50E+05	
.063	527.2	.120	1.51E+05	
.089	528.6	.132	1.51E+05	
.114	527.5	.145	1.51E+05	
.140	527.9	.157	1.51E+05	
.165	526.0	.169	1.51E+05	
.317	532.3	.244	1.51E+05	
.394	537.1	.281	1.51E+05	
.470	538.5	.318	1.52E+05	
.546	572.0	.357	1.58E+05	
.622	884.0	.401	2.01E+05	
.698	1078.5	.444	1.52E+05	
.775	1111.0	.481	1.48E+05	
.851	1134.2	.518	1.47E+05	
.927	1165.4	.554	1.46E+05	
1.003	1196.9	.590	1.47E+05	
1.079	1166.7	.626	1.41E+05	5.18E+03
1.143	1179.4	.654	1.40E+05	5.73E+03
1.181	1144.4	.671	1.30E+05	1.34E+04
1.245	1152.9	.699	1.39E+05	
1.283	704.3	.722	2.42E+05	
1.321	566.1	.747	1.56E+05	

INEL POST-CHF EXPERIMENT NO. 209

POINT SERIAL NO. 1209.061 (TIME= 292.50 SEC)
 { INFERRED VAPOR TEMP}
 LOOP PRESSURE{PE-3} 16.12 MPA
 FCV TEMPERATURE{TE-FCV-1T} 547.9 K
 LHP INLET ENTHALPY 1.206E+06 J/KG
 TEST SECTION:
 PRESSURE 3.51 MPA
 SAT TEMP 515.86 K
 MASS FLUX 45.05 KG/SEC-M**2
 INLET QUALITY .089
 INLET ENTHALPY 1.206E+06 J/KG
 QUENCH FRONT:
 ELEVATION .620 M
 VELOCITY .0016 M/SEC
 QUALITY .400
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

{ INFERRED VAPOR TEMP}
 ELEVATION DZQF TV XE XA
 (M) (M) (K)
 1.232 .612 730.0 .689 .524

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	527.1	.095	1.50E+05	
.051	528.9	.114	1.50E+05	
.063	527.2	.120	1.50E+05	
.089	528.6	.132	1.51E+05	
.114	527.5	.145	1.50E+05	
.140	527.9	.157	1.50E+05	
.165	526.0	.169	1.50E+05	
.317	532.2	.244	1.51E+05	
.394	536.9	.281	1.51E+05	
.470	538.1	.318	1.52E+05	
.546	570.0	.357	1.58E+05	
.622	937.6	.401	2.01E+05	
.698	1078.5	.444	1.53E+05	
.775	1111.7	.482	1.49E+05	
.851	1135.1	.518	1.48E+05	
.927	1166.5	.554	1.47E+05	
1.003	1197.8	.590	1.47E+05	
1.079	1167.6	.626	1.41E+05	5.27E+03
1.143	1180.4	.655	1.40E+05	5.96E+03
1.181	1145.5	.671	1.30E+05	1.36E+04
1.245	1153.4	.699	1.40E+05	
1.283	684.6	.721	2.27E+05	
1.321	564.7	.745	1.56E+05	

INEL POST-CHF EXPERIMENT NO. 209

POINT SERIAL NO. 1209.071 (TIME= 325.50 SEC)
 (INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 16.11 MPA
 FCV TEMPERATURE(TE-FCV-1T) 547.8 K
 LHP INLET ENTHALPY 1.206E+06 J/KG
 TEST SECTION:
 PRESSURE 3.51 MPA
 SAT TEMP 515.82 K
 MASS FLUX 45.12 KG/SEC-M**2
 INLET QUALITY .089
 INLET ENTHALPY 1.206E+06 J/KG
 QUENCH FRONT:
 ELEVATION .675 M
 VELOCITY .0018 M/SEC
 QUALITY .424
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 (INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.557	740.0	.702	.529

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	527.0	.095	1.50E+05	
.051	528.7	.113	1.50E+05	
.063	527.0	.119	1.50E+05	
.089	528.0	.132	1.50E+05	
.114	527.2	.144	1.50E+05	
.140	527.6	.156	1.50E+05	
.165	525.9	.169	1.50E+05	
.317	531.2	.243	1.50E+05	
.394	533.8	.280	1.51E+05	
.470	533.9	.317	1.51E+05	
.546	551.7	.354	1.53E+05	
.622	563.0	.393	1.65E+05	
.698	1003.5	.438	2.00E+05	
.775	1105.0	.482	1.60E+05	
.851	1136.2	.521	1.56E+05	
.927	1168.5	.559	1.55E+05	
1.003	1201.3	.597	1.53E+05	
1.079	1174.1	.634	1.48E+05	2.66E+03
1.143	1186.3	.664	1.46E+05	4.76E+03
1.181	1155.1	.681	1.36E+05	1.19E+04
1.245	1082.9	.717	2.13E+05	
1.283	560.7	.740	1.58E+05	
1.321	549.7	.759	1.52E+05	

INEL POST-CHF EXPERIMENT NO. 209

POINT SERIAL NO. 1209.081 (TIME= 332.50 SEC)
 (INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 16.08 MPA
 FCV TEMPERATURE(TE-FCV-1T) 547.7 K
 LHP INLET ENTHALPY 1.206E+06 J/KG
 TEST SECTION:
 PRESSURE 3.51 MPA
 SAT TEMP 515.82 K
 MASS FLUX 44.99 KG/SEC-M**2
 INLET QUALITY .089
 INLET ENTHALPY 1.206E+06 J/KG
 QUENCH FRONT:
 ELEVATION .688 M
 VELOCITY .0018 M/SEC
 QUALITY .431
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 (INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.544	650.0	.703	.580

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	526.9	.095	1.50E+05	
.051	528.6	.113	1.50E+05	
.063	526.9	.119	1.50E+05	
.089	527.9	.132	1.50E+05	
.114	527.1	.144	1.50E+05	
.140	527.6	.156	1.50E+05	
.165	525.9	.169	1.50E+05	
.317	531.0	.243	1.50E+05	
.394	533.3	.280	1.51E+05	
.470	533.4	.317	1.51E+05	
.546	549.6	.354	1.53E+05	
.622	556.9	.392	1.56E+05	
.698	914.9	.437	2.08E+05	
.775	1098.6	.482	1.62E+05	
.851	1133.6	.521	1.55E+05	
.927	1166.6	.559	1.53E+05	
1.003	1200.0	.597	1.52E+05	
1.079	1174.0	.634	1.48E+05	3.06E+03
1.143	1185.7	.664	1.45E+05	5.69E+03
1.181	1155.2	.681	1.36E+05	1.29E+04
1.244	1021.6	.720	2.40E+05	
1.283	555.1	.744	1.55E+05	
1.321	548.0	.763	1.52E+05	

H-347

INEL POST-CHF EXPERIMENT NO. 211

POINT SERIAL NO. 1211.011 (TIME= 171.50 SEC)
 {INFERRED VAPOR TEMP}
 LOOP PRESSURE(PF-3) 16.12 MPA
 FCV TEMPERATURE(TE-FCV-11) 547.6 K
 LHP INLET ENTHALPY 1.205E+06 J/KG
 TEST SECTION:
 PRESSURE 3.51 MPA
 SAT TEMP 515.83 K
 MASS FLUX 29.31 KG/SEC-M**2
 INLET QUALITY .088
 INLET ENTHALPY 1.205E+06 J/KG
 QUENCH FRONT:
 ELEVATION .410 M
 VELOCITY .0024 M/SEC
 QUALITY .379
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

{INFERRED VAPOR TEMP}
 ELEVATION DZQF TV XE XA
 (M) (M) (K)
 1.232 .822 920.0 .944 .604

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	527.2	.097	1.37E+05	
.051	529.3	.123	1.37E+05	
.063	526.4	.131	1.37E+05	
.089	529.8	.149	1.37E+05	
.114	527.6	.166	1.37E+05	
.140	526.1	.183	1.37E+05	
.165	524.4	.200	1.37E+05	
.317	542.7	.305	1.40E+05	
.394	680.7	.365	1.81E+05	
.470	914.5	.429	1.56E+05	
.546	972.9	.486	1.46E+05	
.622	1024.3	.541	1.46E+05	
.698	1058.7	.596	1.43E+05	
.775	1104.1	.650	1.42E+05	
.851	1141.5	.703	1.40E+05	
.927	1175.9	.756	1.39E+05	
1.003	1215.3	.808	1.38E+05	
1.079	1158.3	.858	1.25E+05	7.84E+03
1.143	1198.8	.897	1.27E+05	7.38E+03
1.181	1146.1	.920	1.13E+05	1.88E+04
1.245	1202.7	.958	1.27E+05	
1.283	1161.9	.983	1.36E+05	
1.321	1148.0	1.009	1.36E+05	

INEL POST-CHF EXPERIMENT NO. 211

POINT SERIAL NO. 1211.021 (TIME= 159.50 SEC)
 {INFERRED VAPOR TEMP}
 LOOP PRESSURE(PF-3) 16.22 MPA
 FCV TEMPERATURE(TE-FCV-11) 547.7 K
 LHP INLET ENTHALPY 1.205E+06 J/KG
 TEST SECTION:
 PRESSURE 3.51 MPA
 SAT TEMP 515.81 K
 MASS FLUX 29.40 KG/SEC-M**2
 INLET QUALITY .088
 INLET ENTHALPY 1.205E+06 J/KG
 QUENCH FRONT:
 ELEVATION .465 M
 VELOCITY .0018 M/SEC
 QUALITY .412
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

{INFERRED VAPOR TEMP}
 ELEVATION DZQF TV XE XA
 (M) (M) (K)
 1.232 .767 895.0 .934 .610

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	525.8	.097	1.37E+05	
.051	527.7	.123	1.37E+05	
.063	525.3	.131	1.37E+05	
.089	528.2	.149	1.37E+05	
.114	526.4	.166	1.37E+05	
.140	525.5	.183	1.36E+05	
.165	523.6	.200	1.36E+05	
.317	534.9	.304	1.38E+05	
.394	564.0	.357	1.43E+05	
.470	759.0	.416	1.72E+05	
.546	953.3	.476	1.47E+05	
.622	1007.3	.531	1.46E+05	
.698	1050.7	.586	1.42E+05	
.775	1096.9	.639	1.43E+05	
.851	1137.3	.693	1.41E+05	
.927	1175.6	.746	1.38E+05	
1.003	1216.8	.798	1.38E+05	
1.079	1168.4	.848	1.26E+05	7.13E+03
1.143	1204.9	.887	1.27E+05	8.10E+03
1.181	1152.4	.910	1.13E+05	1.87E+04
1.245	1206.9	.948	1.27E+05	
1.283	1168.2	.972	1.36E+05	
1.321	1159.9	.998	1.34E+05	

INEL POST-CHF EXPERIMENT NO. 211

POINT SERIAL NO. 1211.031 (TIME= 220.50 SEC)
 { INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 16.10 MPA
 FCV TEMPERATURE(TE-FCV-1T) 547.3 K
 LHP INLET ENTHALPY 1.203E+06 J/KG
 TEST SECTION:
 PRESSURE 3.51 MPA
 SAT TEMP 515.83 K
 MASS FLUX 29.38 KG/SEC-M**2
 INLET QUALITY .087
 INLET ENTHALPY 1.203E+06 J/KG
 QUENCH FRONT:
 ELEVATION .552 M
 VELOCITY .0012 M/SEC
 QUALITY .436
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 (INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.680	800.0	.865	.616

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	525.0	.095	1.26E+05	
.051	526.8	.119	1.26E+05	
.063	525.0	.127	1.25E+05	
.089	527.2	.143	1.26E+05	
.114	525.1	.158	1.26E+05	
.140	525.5	.174	1.25E+05	
.165	524.0	.190	1.25E+05	
.317	530.5	.285	1.26E+05	
.394	540.7	.333	1.28E+05	
.470	545.2	.381	1.28E+05	
.546	670.8	.432	1.42E+05	
.622	991.2	.482	1.26E+05	
.698	1031.3	.531	1.34E+05	
.775	1071.9	.580	1.32E+05	
.851	1109.5	.630	1.33E+05	
.927	1150.5	.680	1.33E+05	
1.003	1190.7	.731	1.33E+05	
1.079	1164.9	.779	1.26E+05	2.52E+03
1.143	1187.4	.819	1.25E+05	4.57E+03
1.181	1142.8	.842	1.14E+05	1.27E+04
1.245	1184.0	.879	1.24E+05	
1.283	1149.8	.903	1.32E+05	
1.321	1115.3	.931	1.63E+05	

INEL POST-CHF EXPERIMENT NO. 211

POINT SERIAL NO. 1211.041 (TIME= 231.50 SEC)
 { INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 16.22 MPA
 FCV TEMPERATURE(TE-FCV-1T) 547.5 K
 LHP INLET ENTHALPY 1.204E+06 J/KG
 TEST SECTION:
 PRESSURE 3.51 MPA
 SAT TEMP 515.81 K
 MASS FLUX 29.38 KG/SEC-M**2
 INLET QUALITY .088
 INLET ENTHALPY 1.204E+06 J/KG
 QUENCH FRONT:
 ELEVATION .565 M
 VELOCITY .0012 M/SEC
 QUALITY .442
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 (INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.667	830.0	.851	.589

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	525.2	.096	1.25E+05	
.051	527.0	.119	1.25E+05	
.063	525.3	.127	1.25E+05	
.089	527.4	.143	1.25E+05	
.114	525.4	.159	1.25E+05	
.140	525.9	.174	1.24E+05	
.165	524.5	.190	1.24E+05	
.317	530.3	.284	1.25E+05	
.394	538.6	.332	1.26E+05	
.470	541.6	.379	1.27E+05	
.546	603.9	.430	1.39E+05	
.622	995.1	.479	1.25E+05	
.698	1029.2	.527	1.27E+05	
.775	1067.9	.575	1.28E+05	
.851	1104.9	.624	1.28E+05	
.927	1145.2	.672	1.29E+05	
1.003	1185.4	.721	1.28E+05	
1.079	1162.7	.768	1.22E+05	3.70E+03
1.143	1183.7	.806	1.21E+05	4.94E+03
1.181	1140.6	.828	1.10E+05	1.33E+04
1.245	1179.4	.864	1.19E+05	
1.283	1145.7	.887	1.27E+05	
1.321	1043.0	.918	2.05E+05	

INEL POST-CHF EXPERIMENT NO. 211

POINT SERIAL NO. 1211.051 (TIME= 289.50 SEC)
 {INFERRED VAPOR TEMP}
 LOOP PRESSURE{PE-3} 16.09 MPA
 FCV TEMPERATURE{TE-FCV-1T} 547.7 K
 LHP INLET ENTHALPY 1.205E+06 J/KG
 TEST SECTION:
 PRESSURE 3.51 MPA
 SAT TEMP 515.78 K
 MASS FLUX 29.20 KG/SEC-M**2
 INLET QUALITY .088
 INLET ENTHALPY 1.205E+06 J/KG
 QUENCH FRONT:
 ELEVATION .625 M
 VELOCITY .0010 M/SEC
 QUALITY .481
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

{INFERRED VAPOR TEMP}
 ELEVATION DZQF TV XE XA
 (M) (M) (K)
 1.232 .607 780.0 .837 .607

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	525.7	.096	1.24E+05	
.051	527.4	.120	1.24E+05	
.063	525.6	.128	1.24E+05	
.089	527.2	.143	1.24E+05	
.114	525.3	.159	1.24E+05	
.140	526.1	.175	1.24E+05	
.165	524.6	.191	1.24E+05	
.317	528.8	.285	1.24E+05	
.394	531.4	.332	1.24E+05	
.470	531.5	.379	1.24E+05	
.546	550.8	.427	1.29E+05	
.622	769.8	.480	1.46E+05	
.698	1025.3	.531	1.21E+05	
.775	1065.0	.577	1.22E+05	
.851	1108.6	.623	1.20E+05	
.927	1152.5	.668	1.19E+05	
1.003	1191.2	.713	1.19E+05	
1.079	1118.4	.758	1.16E+05	5.54E+03
1.143	1189.4	.794	1.14E+05	6.66E+03
1.181	1147.1	.815	1.05E+05	1.51E+04
1.245	1180.1	.850	1.17E+05	
1.283	962.1	.886	2.55E+05	
1.321	623.2	.923	1.37E+05	

INEL POST-CHF EXPERIMENT NO. 211

POINT SERIAL NO. 1211.061 (TIME= 355.50 SEC)
 {INFERRED VAPOR TEMP}
 LOOP PRESSURE{PE-3} 16.20 MPA
 FCV TEMPERATURE{TE-FCV-1T} 547.7 K
 LHP INLET ENTHALPY 1.205E+06 J/KG
 TEST SECTION:
 PRESSURE 3.51 MPA
 SAT TEMP 515.78 K
 MASS FLUX 28.98 KG/SEC-M**2
 INLET QUALITY .088
 INLET ENTHALPY 1.205E+06 J/KG
 QUENCH FRONT:
 ELEVATION .694 M
 VELOCITY .0011 M/SEC
 QUALITY .491
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

{INFERRED VAPOR TEMP}
 ELEVATION DZQF TV XE XA
 (M) (M) (K)
 1.232 .538 750.0 .812 .606

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	525.3	.096	1.13E+05	
.051	526.8	.117	1.13E+05	
.063	525.2	.125	1.13E+05	
.089	526.7	.139	1.13E+05	
.114	524.9	.154	1.13E+05	
.140	525.7	.168	1.13E+05	
.165	524.5	.183	1.13E+05	
.317	528.0	.269	1.13E+05	
.394	530.5	.313	1.14E+05	
.470	526.9	.356	1.14E+05	
.546	535.2	.400	1.14E+05	
.622	542.9	.445	1.18E+05	
.698	877.5	.494	1.42E+05	
.775	1017.0	.545	1.23E+05	
.851	1061.2	.592	1.23E+05	
.927	1102.3	.639	1.22E+05	
1.003	1139.4	.685	1.18E+05	
1.079	1137.6	.730	1.17E+05	8.03E+02
1.143	1148.3	.766	1.13E+05	3.68E+03
1.181	1120.5	.787	1.05E+05	8.69E+03
1.244	720.2	.833	1.80E+05	
1.283	560.1	.861	1.19E+05	
1.321	576.5	.884	1.15E+05	

INEL POST-CHF EXPERIMENT NO. 213

POINT SERIAL NO. 1213.010 (TIME= 155.50 SEC)

LOOP PRESSURE(PE-3) 16.05 MPA
 FCV TEMPERATURE(TE-FCV-1T) 583.7 K
 LHP INLET ENTHALPY 1.397E+06 J/KG
 TEST SECTION:
 PRESSURE 6.99 MPA
 SAT TEMP 558.86 K
 MASS FLUX 18.42 KG/SEC-M**2
 INLET QUALITY .086
 INLET ENTHALPY 1.397E+06 J/KG
 QUENCH FRONT:
 ELEVATION .477 M
 VELOCITY .0079 M/SEC
 QUALITY .309
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.755	977.6	.689	.394

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	576.8	.090	3.26E+04	
.051	582.2	.102	3.46E+04	
.063	570.6	.106	3.12E+04	
.089	575.5	.113	3.20E+04	
.114	572.8	.120	3.16E+04	
.140	566.0	.128	3.04E+04	
.165	566.0	.135	3.13E+04	
.317	591.9	.183	3.76E+04	
.394	645.1	.227	8.77E+04	
.470	759.2	.301	1.22E+05	
.546	962.9	.384	1.15E+05	
.622	1045.8	.454	8.63E+04	
.698	1079.8	.504	5.54E+04	
.775	1102.8	.540	4.57E+04	
.851	1115.3	.571	4.22E+04	
.927	1131.2	.600	4.01E+04	
1.003	1146.2	.627	3.89E+04	
1.079	1077.7	.652	3.11E+04	
1.143	1079.4	.670	3.13E+04	7.97E+02
1.181	1021.3	.680	2.69E+04	3.55E+03
1.244	1012.6	.691	8.88E+03	
1.283	938.6	.694	9.63E+03	
1.321	968.3	.698	1.18E+04	

INEL POST-CHF EXPERIMENT NO. 213

POINT SERIAL NO. 1213.020 (TIME= 165.50 SEC)

LOOP PRESSURE(PE-3) 16.00 MPA
 FCV TEMPERATURE(TE-FCV-1T) 584.0 K
 LHP INLET ENTHALPY 1.398E+06 J/KG
 TEST SECTION:
 PRESSURE 6.99 MPA
 SAT TEMP 558.88 K
 MASS FLUX 18.41 KG/SEC-M**2
 INLET QUALITY .087
 INLET ENTHALPY 1.398E+06 J/KG
 QUENCH FRONT:
 ELEVATION .554 M
 VELOCITY .0075 M/SEC
 QUALITY .333
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.678	943.9	.687	.406

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	573.8	.091	3.17E+04	
.051	577.8	.102	3.30E+04	
.063	568.8	.106	3.06E+04	
.089	573.0	.113	3.13E+04	
.114	570.6	.120	3.10E+04	
.140	565.0	.128	3.01E+04	
.165	564.4	.135	3.06E+04	
.317	585.6	.181	3.50E+04	
.394	625.7	.215	6.20E+04	
.470	702.1	.265	8.27E+04	
.546	781.4	.326	9.13E+04	
.622	904.1	.394	1.02E+05	
.698	1013.0	.459	8.41E+04	
.775	1066.9	.512	6.64E+04	
.851	1093.7	.553	5.09E+04	
.927	1114.6	.587	4.58E+04	
1.003	1132.0	.618	4.33E+04	
1.079	1072.0	.645	3.46E+04	
1.143	1071.9	.665	3.51E+04	8.46E+02
1.181	1014.9	.677	3.01E+04	4.13E+03
1.244	1022.9	.690	1.69E+04	
1.283	954.5	.696	1.48E+04	
1.321	977.8	.702	2.23E+04	

INEL POST-CHF EXPERIMENT NO. 213

POINT SERIAL NO. 1213.030 (TIME= 175.50 SEC)

LOOP PRESSURE(PE-3) 15.98 MPA
 FCV TEMPERATURE(TE-FCV-1T) 584.2 K
 LHP INLET ENTHALPY 1.399E+06 J/KG
 TEST SECTION:
 PRESSURE 6.99 MPA
 SAT TEMP 558.87 K
 MASS FLUX 18.44 KG/SEC-M**2
 INLET QUALITY .088
 INLET ENTHALPY 1.399E+06 J/KG
 QUENCH FRONT:
 ELEVATION .628 M
 VELOCITY .0073 M/SEC
 QUALITY .348
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.604	890.8	.667	.415

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	571.1	.092	3.09E+04	
.051	573.8	.102	3.17E+04	
.063	567.2	.106	3.03E+04	
.089	570.7	.113	3.08E+04	
.114	568.6	.120	3.05E+04	
.140	564.0	.127	2.98E+04	
.165	562.9	.134	3.01E+04	
.317	579.9	.178	3.28E+04	
.394	607.0	.202	3.64E+04	
.470	622.2	.234	5.52E+04	
.546	712.4	.281	7.84E+04	
.622	750.3	.343	9.79E+04	
.698	911.7	.409	9.17E+04	
.775	1019.0	.470	8.19E+04	
.851	1067.3	.519	5.99E+04	
.927	1095.6	.558	5.04E+04	
1.003	1116.4	.592	4.66E+04	
1.079	1065.5	.621	3.71E+04	
1.143	1063.6	.643	3.85E+04	3.42E+02
1.181	1007.7	.656	3.31E+04	3.76E+03
1.244	1030.9	.672	2.25E+04	
1.283	968.6	.679	1.86E+04	
1.321	984.5	.686	2.42E+04	

INEL POST-CHF EXPERIMENT NO. 213

POINT SERIAL NO. 1213.040 (TIME= 184.50 SEC)

LOOP PRESSURE(PE-3) 16.07 MPA
 FCV TEMPERATURE(TE-FCV-1T) 584.3 K
 LHP INLET ENTHALPY 1.400E+06 J/KG
 TEST SECTION:
 PRESSURE 6.99 MPA
 SAT TEMP 558.86 K
 MASS FLUX 18.50 KG/SEC-M**2
 INLET QUALITY .088
 INLET ENTHALPY 1.400E+06 J/KG
 QUENCH FRONT:
 ELEVATION .692 M
 VELOCITY .0068 M/SEC
 QUALITY .363
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.540	861.4	.652	.417

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	569.4	.092	3.05E+04	
.051	571.4	.103	3.09E+04	
.063	566.1	.106	3.00E+04	
.089	569.1	.113	3.04E+04	
.114	567.3	.120	3.02E+04	
.140	563.5	.127	2.96E+04	
.165	562.1	.134	2.98E+04	
.317	576.5	.177	3.18E+04	
.394	600.3	.200	3.43E+04	
.470	603.9	.226	3.94E+04	
.546	640.2	.260	5.65E+04	
.622	693.5	.308	8.25E+04	
.698	801.9	.368	8.96E+04	
.775	933.7	.432	9.22E+04	
.851	1032.8	.489	7.30E+04	
.927	1073.5	.535	5.68E+04	
1.003	1099.0	.572	5.01E+04	
1.079	1057.3	.603	3.95E+04	
1.143	1053.7	.626	4.05E+04	5.69E+02
1.181	999.2	.639	3.44E+04	4.12E+03
1.244	1033.5	.657	2.66E+04	
1.283	978.0	.665	2.16E+04	
1.321	989.4	.674	2.55E+04	

INEL POST-CHF EXPERIMENT NO. 213

POINT SERIAL NO. 1213.050 (TIME= 196.50 SEC)

LOOP PRESSURE(PE-3) 15.92 MPA
 FCV TEMPERATURE(TE-FCV-1T) 584.3 K
 LHP INLET ENTHALPY 1.400E+06 J/KG
 TEST SECTION:
 PRESSURE 6.99 MPA
 SAT TEMP 558.84 K
 MASS FLUX 18.40 KG/SEC-M**2
 INLET QUALITY .088
 INLET ENTHALPY 1.400E+06 J/KG
 QUENCH FRONT:
 ELEVATION .770 M
 VELOCITY .0061 M/SEC
 QUALITY .372
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.462	814.7	.625	.429

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	567.7	.092	3.02E+04	
.051	569.3	.103	3.05E+04	
.063	565.1	.106	2.99E+04	
.089	567.6	.113	3.01E+04	
.114	565.9	.120	3.00E+04	
.140	562.9	.127	2.96E+04	
.165	561.3	.134	2.97E+04	
.317	573.2	.177	3.11E+04	
.394	593.6	.199	3.33E+04	
.470	592.6	.223	3.49E+04	
.546	614.5	.249	3.92E+04	
.622	604.1	.280	4.97E+04	
.698	704.0	.321	6.86E+04	
.775	800.3	.375	8.42E+04	
.851	940.4	.433	8.16E+04	
.927	1029.8	.487	7.18E+04	
1.003	1068.0	.533	5.94E+04	
1.079	1043.1	.568	4.22E+04	
1.143	1037.8	.593	4.32E+04	
1.181	986.1	.608	4.04E+04	
1.244	1032.2	.628	3.00E+04	
1.283	986.7	.638	2.46E+04	
1.321	994.1	.647	2.65E+04	

INEL POST-CHF EXPERIMENT NO. 213

POINT SERIAL NO. 1213.060 (TIME= 211.50 SEC)

LOOP PRESSURE(PE-3) 16.04 MPA
 FCV TEMPERATURE(TE-FCV-1T) 584.3 K
 LHP INLET ENTHALPY 1.400E+06 J/KG
 TEST SECTION:
 PRESSURE 6.99 MPA
 SAT TEMP 558.87 K
 MASS FLUX 18.37 KG/SEC-M**2
 INLET QUALITY .088
 INLET ENTHALPY 1.400E+06 J/KG
 QUENCH FRONT:
 ELEVATION .853 M
 VELOCITY .0050 M/SEC
 QUALITY .385
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.379	785.6	.608	.438

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	566.3	.092	3.00E+04	
.051	567.5	.102	3.02E+04	
.063	564.1	.106	2.98E+04	
.089	566.2	.113	3.00E+04	
.114	564.6	.120	2.99E+04	
.140	562.4	.127	2.96E+04	
.165	560.7	.134	2.96E+04	
.317	570.2	.176	3.07E+04	
.394	586.8	.198	3.25E+04	
.470	584.3	.221	3.29E+04	
.546	600.2	.245	3.53E+04	
.622	587.7	.270	3.43E+04	
.698	626.0	.297	4.34E+04	
.775	685.8	.335	6.33E+04	
.851	763.2	.384	7.63E+04	
.927	927.8	.444	9.53E+04	
1.003	1011.0	.503	7.42E+04	
1.079	1019.3	.546	4.80E+04	
1.143	1013.4	.574	4.73E+04	
1.181	967.6	.590	4.26E+04	
1.244	1025.2	.612	3.42E+04	
1.283	993.0	.623	2.74E+04	
1.321	1005.2	.632	2.27E+04	

INEL POST-CHF EXPERIMENT NO. 213

POINT SERIAL NO. 1213.070 (TIME= 224.50 SEC)

LOOP PRESSURE{PE-3} 16.01 MPA
 FCV TEMPERATURE{TE-FCV-11} 584.4 K
 LHP INLET ENTHALPY 1.401E+06 J/KG
 TEST SECTION:
 PRESSURE 6.99 MPA
 SAT TEMP 558.84 K
 MASS FLUX 18.25 KG/SEC-M**2
 INLET QUALITY .089
 INLET ENTHALPY 1.401E+06 J/KG
 QUENCH FRONT:
 ELEVATION .922 M
 VELOCITY .0056 M/SEC
 QUALITY .404
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.232 .310 753.9 .587 .444

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013 565.4 .092 3.00E+04
 .051 566.4 .103 3.01E+04
 .063 563.4 .107 2.99E+04
 .089 565.3 .114 3.00E+04
 .114 563.9 .121 2.99E+04
 .140 562.0 .128 2.97E+04
 .165 560.4 .135 2.97E+04
 .317 568.3 .177 3.05E+04
 .394 582.2 .199 3.21E+04
 .470 579.4 .221 3.20E+04
 .546 591.9 .245 3.39E+04
 .622 581.3 .268 3.27E+04
 .698 609.2 .293 3.77E+04
 .775 633.1 .321 4.22E+04
 .851 670.2 .356 5.68E+04
 .927 806.5 .408 9.05E+04
 1.003 908.5 .469 8.41E+04
 1.079 988.5 .518 5.52E+04
 1.143 986.0 .550 5.18E+04
 1.181 948.2 .567 4.53E+04
 1.244 1013.3 .591 3.73E+04
 1.283 994.9 .603 3.00E+04
 1.321 1013.1 .613 2.68E+04

INEL POST-CHF EXPERIMENT NO. 213

POINT SERIAL NO. 1213.080 (TIME= 236.50 SEC)

LOOP PRESSURE{PE-3} 16.00 MPA
 FCV TEMPERATURE{TE-FCV-11} 584.6 K
 LHP INLET ENTHALPY 1.402E+06 J/KG
 TEST SECTION:
 PRESSURE 6.99 MPA
 SAT TEMP 558.83 K
 MASS FLUX 18.36 KG/SEC-M**2
 INLET QUALITY .090
 INLET ENTHALPY 1.402E+06 J/KG
 QUENCH FRONT:
 ELEVATION .984 M
 VELOCITY .0044 M/SEC
 QUALITY .426
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.232 .248 711.6 .561 .440

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013 564.7 .093 3.00E+04
 .051 565.7 .104 3.01E+04
 .063 562.9 .107 2.99E+04
 .089 564.6 .114 3.00E+04
 .114 563.3 .121 2.99E+04
 .140 561.8 .129 2.98E+04
 .165 560.1 .136 2.98E+04
 .317 567.0 .178 3.05E+04
 .394 578.8 .200 3.17E+04
 .470 576.0 .222 3.16E+04
 .546 586.0 .245 3.30E+04
 .622 577.3 .268 3.19E+04
 .698 598.8 .292 3.55E+04
 .775 618.3 .317 3.77E+04
 .851 612.4 .345 4.11E+04
 .927 693.7 .386 7.37E+04
 1.003 791.4 .439 7.78E+04
 1.079 953.3 .487 5.98E+04
 1.143 955.3 .521 5.67E+04
 1.181 926.5 .540 4.86E+04
 1.244 999.7 .566 3.99E+04
 1.283 993.6 .579 3.21E+04
 1.321 1014.9 .590 2.99E+04

INEL POST-CHF EXPERIMENT NO. 213

POINT SERIAL NO. 1213.080 (TIME= 236.50 SEC)

LOOP PRESSURE(PE-3) 16.00 MPA
 FCV TEMPERATURE(TE-FCV-1T) 584.6 K
 LHP INLET ENTHALPY 1.402E+06 J/KG
 TEST SECTION:
 PRESSURE 6.99 MPA
 SAT TEMP 558.83 K
 MASS FLUX 18.36 KG/SEC-M**2
 INLET QUALITY .090
 INLET ENTHALPY 1.402E+06 J/KG
 QUENCH FRONT:
 ELEVATION .984 M
 VELOCITY .0044 M/SEC
 QUALITY .426
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.248	711.6	.561	.440

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	564.7	.093	3.00E+04	
.051	565.7	.104	3.01E+04	
.063	562.9	.107	2.99E+04	
.089	564.6	.114	3.00E+04	
.114	563.3	.121	2.99E+04	
.140	561.8	.129	2.98E+04	
.165	560.1	.136	2.98E+04	
.317	567.0	.178	3.05E+04	
.394	578.8	.200	3.17E+04	
.470	576.0	.222	3.16E+04	
.546	586.0	.245	3.30E+04	
.622	577.3	.268	3.19E+04	
.698	598.8	.292	3.55E+04	
.775	618.3	.317	3.77E+04	
.851	612.4	.345	4.11E+04	
.927	693.7	.386	7.37E+04	
1.003	791.4	.439	7.78E+04	
1.079	953.3	.487	5.98E+04	
1.143	955.3	.521	5.67E+04	
1.181	926.5	.540	4.86E+04	
1.244	999.7	.566	3.99E+04	
1.283	993.6	.579	3.21E+04	
1.321	1014.9	.590	2.99E+04	

INEL POST-CHF EXPERIMENT NO. 213

POINT SERIAL NO. 1213.090 (TIME= 263.50 SEC)

LOOP PRESSURE(PE-3) 16.02 MPA
 FCV TEMPERATURE(TE-FCV-1T) 584.9 K
 LHP INLET ENTHALPY 1.404E+06 J/KG
 TEST SECTION:
 PRESSURE 6.99 MPA
 SAT TEMP 558.85 K
 MASS FLUX 18.42 KG/SEC-M**2
 INLET QUALITY .091
 INLET ENTHALPY 1.404E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.083 M
 VELOCITY .0030 M/SEC
 QUALITY .426
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.149	638.1	.505	.438

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	563.7	.094	3.00E+04	
.051	564.5	.105	3.00E+04	
.063	562.1	.108	2.99E+04	
.089	563.5	.115	3.00E+04	
.114	562.5	.122	3.00E+04	
.140	561.5	.129	2.98E+04	
.165	559.7	.136	2.99E+04	
.317	565.0	.179	3.02E+04	
.394	573.2	.200	3.11E+04	
.470	570.9	.222	3.09E+04	
.546	577.3	.244	3.17E+04	
.622	571.7	.266	3.10E+04	
.698	584.6	.289	3.27E+04	
.775	598.0	.313	3.42E+04	
.851	594.2	.336	3.33E+04	
.927	600.6	.361	3.60E+04	
1.003	594.4	.388	4.20E+04	
1.079	800.0	.424	5.94E+04	
1.143	855.5	.461	6.82E+04	
1.181	862.4	.482	5.38E+04	
1.244	963.0	.510	4.09E+04	
1.283	985.2	.523	3.41E+04	
1.321	1009.8	.535	3.39E+04	

INEL POST-CHF EXPERIMENT NO. 213

POINT SERIAL NO. 1213.100 (TIME= 281.50 SEC)

LOOP PRESSURE{PE-3} 15.98 MPA
 FCV TEMPERATURE{TE-FCV-1T} 585.0 K
 LHP INLET ENTHALPY 1.405E+06 J/KG
 TEST SECTION:
 PRESSURE 6.99 MPA
 SAT TEMP 558.86 K
 MASS FLUX 18.16 KG/SEC-M**2
 INLET QUALITY .091
 INLET ENTHALPY 1.405E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.141 M
 VELOCITY .0034 M/SEC
 QUALITY .442
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.091	609.0	.490	.458

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION			HEAT LOSS W/M**2
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2		
.013	563.2	.095	3.00E+04		
.051	564.0	.105	3.00E+04		
.063	561.8	.109	2.99E+04		
.089	562.9	.116	3.00E+04		
.114	562.1	.123	2.99E+04		
.140	561.3	.130	2.98E+04		
.165	559.5	.137	2.98E+04		
.317	564.1	.179	3.01E+04		
.394	570.6	.201	3.08E+04		
.470	568.7	.222	3.06E+04		
.546	573.8	.244	3.11E+04		
.622	569.3	.266	3.07E+04		
.698	579.1	.288	3.18E+04		
.775	589.5	.311	3.29E+04		
.851	587.5	.334	3.23E+04		
.927	590.1	.357	3.34E+04		
1.003	583.0	.380	3.26E+04		
1.079	699.4	.408	4.83E+04		
1.143	745.5	.443	6.91E+04		
1.181	805.2	.466	5.88E+04		
1.244	939.0	.495	3.97E+04		
1.283	979.4	.508	3.34E+04		
1.321	1004.8	.519	3.32E+04		

INEL POST-CHF EXPERIMENT NO. 213

POINT SERIAL NO. 1213.110 (TIME= 295.50 SEC)

LOOP PRESSURE{PE-3} 15.99 MPA
 FCV TEMPERATURE{TE-FCV-1T} 585.3 K
 LHP INLET ENTHALPY 1.406E+06 J/KG
 TEST SECTION:
 PRESSURE 6.99 MPA
 SAT TEMP 558.85 K
 MASS FLUX 18.28 KG/SEC-M**2
 INLET QUALITY .092
 INLET ENTHALPY 1.406E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.175 M
 VELOCITY .0016 M/SEC
 QUALITY .450
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT		LOCATION INFORMATION		
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.057	581.2	.479	.463

WALL TEMPERATURE MEASUREMENT		LOCATION INFORMATION			HEAT LOSS W/M**2
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2		
.013	562.9	.096	2.99E+04		
.051	563.7	.106	3.00E+04		
.063	561.5	.110	2.99E+04		
.089	562.6	.117	3.00E+04		
.114	561.8	.124	2.99E+04		
.140	561.2	.131	2.99E+04		
.165	559.4	.138	2.99E+04		
.317	563.5	.180	3.01E+04		
.394	569.1	.202	3.06E+04		
.470	567.3	.223	3.05E+04		
.546	571.8	.245	3.08E+04		
.622	567.9	.266	3.05E+04		
.698	575.9	.288	3.13E+04		
.775	584.6	.310	3.23E+04		
.851	583.5	.333	3.18E+04		
.927	584.7	.356	3.24E+04		
1.003	578.9	.378	3.17E+04		
1.079	668.3	.403	3.92E+04		
1.143	645.9	.432	5.97E+04		
1.181	749.6	.454	6.28E+04		
1.244	922.2	.484	3.93E+04		
1.283	975.3	.497	3.32E+04		
1.321	1001.0	.508	3.28E+04		

INEL POST-CHF EXPERIMENT NO. 219

POINT SERIAL NO. 1219.011 (TIME= 128.50 SEC)
 {INFERRED VAPOR TEMP}
 LOOP PRESSURE(PE-3) 16.01 MPA
 FCV TEMPERATURE(TE-FCV-11) 574.2 K
 LHP INLET ENTHALPY 1.343E+06 J/KG
 TEST SECTION:
 PRESSURE 7.00 MPA
 SAT TEMP 558.95 K
 MASS FLUX 46.31 KG/SEC-M**2
 INLET QUALITY .050
 INLET ENTHALPY 1.343E+06 J/KG
 QUENCH FRONT:
 ELEVATION .619 M
 VELOCITY .0025 M/SEC
 QUALITY .484
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 (INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.613	765.0	.898	.638

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	568.3	.059	1.86E+05	
.051	570.8	.085	1.86E+05	
.063	567.7	.093	1.85E+05	
.089	570.1	.111	1.86E+05	
.114	568.2	.128	1.86E+05	
.140	566.9	.145	1.85E+05	
.165	564.3	.162	1.85E+05	
.317	572.0	.266	1.86E+05	
.394	586.6	.318	1.88E+05	
.470	584.1	.370	1.89E+05	
.546	611.7	.425	2.04E+05	
.622	815.9	.487	2.44E+05	
.698	969.4	.548	1.93E+05	
.775	1001.0	.601	1.87E+05	
.851	1037.7	.653	1.86E+05	
.927	1075.9	.705	1.86E+05	
1.003	1112.5	.756	1.85E+05	
1.079	1079.3	.807	1.79E+05	3.37E+03
1.181	1088.0	.872	1.71E+05	1.19E+04
1.245	1128.3	.912	1.74E+05	
1.283	1006.1	.944	2.82E+05	
1.321	578.4	.977	1.98E+05	

INEL POST-CHF EXPERIMENT NO. 219

POINT SERIAL NO. 1219.021 (TIME= 163.50 SEC)
 {INFERRED VAPOR TEMP}
 LOOP PRESSURE(PE-3) 16.02 MPA
 FCV TEMPERATURE(TE-FCV-11) 574.5 K
 LHP INLET ENTHALPY 1.345E+06 J/KG
 TEST SECTION:
 PRESSURE 6.99 MPA
 SAT TEMP 558.89 K
 MASS FLUX 46.18 KG/SEC-M**2
 INLET QUALITY .052
 INLET ENTHALPY 1.345E+06 J/KG
 QUENCH FRONT:
 ELEVATION .699 M
 VELOCITY .0021 M/SEC
 QUALITY .535
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 (INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.533	745.0	.899	.654

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	566.6	.060	1.85E+05	
.051	568.7	.086	1.85E+05	
.063	566.2	.095	1.85E+05	
.089	568.1	.112	1.85E+05	
.114	566.5	.129	1.85E+05	
.140	566.1	.146	1.85E+05	
.165	563.6	.163	1.85E+05	
.317	569.4	.267	1.86E+05	
.394	578.4	.319	1.87E+05	
.470	574.8	.371	1.87E+05	
.546	585.3	.423	1.88E+05	
.622	587.3	.476	1.93E+05	
.698	820.8	.535	2.27E+05	
.775	1006.1	.594	1.96E+05	
.851	1042.8	.647	1.88E+05	
.927	1080.2	.700	1.88E+05	
1.003	1116.9	.752	1.87E+05	
1.079	1090.0	.804	1.85E+05	5.10E+02
1.181	1092.0	.871	1.76E+05	9.10E+03
1.245	1100.6	.917	2.16E+05	
1.283	696.3	.947	2.15E+05	
1.321	547.0	.975	1.88E+05	

INEL POST-CHF EXPERIMENT NO. 219

POINT SERIAL NO. 1219.031 (TIME= 184.50 SEC)
 (INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 15.96 MPA
 FCV TEMPERATURE(TE-FCV-1T) 574.7 K
 LHP INLET ENTHALPY 1.346E+06 J/KG
 TEST SECTION:
 PRESSURE 6.99 MPA
 SAT TEMP 558.87 K
 MASS FLUX 46.32 KG/SEC-M**2
 INLET QUALITY .053
 INLET ENTHALPY 1.346E+06 J/KG
 QUENCH FRONT:
 ELEVATION .743 M
 VELOCITY .0021 M/SEC
 QUALITY .563
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
(INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.489	715.0	.902	.680

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	566.2	.061	1.85E+05	
.051	568.2	.087	1.85E+05	
.063	565.6	.095	1.84E+05	
.089	567.4	.112	1.85E+05	
.114	565.8	.130	1.85E+05	
.140	565.7	.147	1.85E+05	
.165	563.4	.164	1.84E+05	
.317	568.5	.267	1.85E+05	
.394	575.1	.318	1.85E+05	
.470	572.0	.370	1.85E+05	
.546	578.7	.421	1.86E+05	
.622	578.2	.473	1.86E+05	
.698	619.9	.527	2.02E+05	
.775	988.9	.589	2.43E+05	
.851	1041.3	.648	1.83E+05	
.927	1078.4	.699	1.85E+05	
1.003	1116.8	.751	1.84E+05	
1.079	1094.3	.802	1.84E+05	
1.181	1093.7	.869	1.79E+05	4.54E+03
1.245	939.6	.930	3.46E+05	
1.283	664.9	.967	1.82E+05	
1.321	548.9	.992	1.87E+05	

INEL POST-CHF EXPERIMENT NO. 219

POINT SERIAL NO. 1219.041 (TIME= 202.50 SEC)
 (INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 15.98 MPA
 FCV TEMPERATURE(TE-FCV-1T) 574.6 K
 LHP INLET ENTHALPY 1.346E+06 J/KG
 TEST SECTION:
 PRESSURE 6.99 MPA
 SAT TEMP 558.85 K
 MASS FLUX 46.21 KG/SEC-M**2
 INLET QUALITY .052
 INLET ENTHALPY 1.346E+06 J/KG
 QUENCH FRONT:
 ELEVATION .781 M
 VELOCITY .0021 M/SEC
 QUALITY .539
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
(INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.451	700.0	.849	.652

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	565.4	.060	1.66E+05	
.051	567.2	.083	1.67E+05	
.063	564.6	.091	1.66E+05	
.089	566.4	.106	1.66E+05	
.114	564.5	.122	1.66E+05	
.140	564.5	.137	1.66E+05	
.165	562.2	.153	1.66E+05	
.317	566.8	.245	1.66E+05	
.394	572.5	.292	1.66E+05	
.470	570.1	.338	1.66E+05	
.546	575.3	.384	1.66E+05	
.622	573.9	.431	1.67E+05	
.698	600.1	.478	1.72E+05	
.775	749.1	.534	2.28E+05	
.851	1028.7	.594	1.98E+05	
.927	1070.4	.648	1.94E+05	
1.003	1107.6	.702	1.94E+05	
1.079	1090.6	.755	1.80E+05	
1.181	1090.4	.821	1.75E+05	3.48E+03
1.245	698.2	.867	2.27E+05	
1.283	644.0	.897	1.95E+05	
1.321	557.9	.921	1.52E+05	

INEL POST-CHF EXPERIMENT NO. 222

POINT SERIAL NO. 1222.010 (TIME= 75.50 SEC)

LOOP PRESSURE(PE-3) 16.09 MPA
 FCV TEMPERATURE(TE-FCV-1T) 525.5 K
 LHP INLET ENTHALPY 1.098E+06 J/KG
 TEST SECTION:
 PRESSURE .70 MPA
 SAT TEMP 438.32 K
 MASS FLUX 71.49 KG/SEC-M**2
 INLET QUALITY .194
 INLET ENTHALPY 1.098E+06 J/KG
 QUENCH FRONT:
 ELEVATION .246 M
 VELOCITY .0039 M/SEC
 QUALITY .245
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.986	825.2	.432	.308

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION					HEAT LOSS
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2		W/M**2
.013	462.5	.196	1.06E+05		
.051	469.8	.203	1.07E+05		
.063	461.1	.205	1.05E+05		
.089	468.5	.210	1.07E+05		
.114	467.8	.215	1.07E+05		
.140	463.5	.219	1.08E+05		
.165	478.2	.225	1.40E+05		
.317	965.1	.263	1.47E+05		
.394	1034.7	.280	1.20E+05		
.470	1075.6	.296	1.17E+05		
.546	1099.3	.311	1.13E+05		
.622	1129.9	.326	1.13E+05		
.698	1141.0	.340	1.10E+05		
.775	1155.0	.355	1.08E+05		
.851	1162.8	.369	1.06E+05		
.927	1182.5	.383	1.06E+05		
1.003	1195.4	.397	1.05E+05		
1.079	1116.5	.410	9.32E+04	4.15E+03	
1.143	1148.3	.420	9.49E+04	8.47E+03	
1.181	1088.7	.426	8.55E+04	1.46E+04	
1.245	1043.0	.436	9.94E+04		
1.283	1019.4	.443	1.10E+05		
1.321	1066.7	.450	1.10E+05		

INEL POST-CHF EXPERIMENT NO. 222

POINT SERIAL NO. 1222.020 (TIME= 94.50 SEC)

LOOP PRESSURE(PE-3) 16.10 MPA
 FCV TEMPERATURE(TE-FCV-1T) 525.6 K
 LHP INLET ENTHALPY 1.098E+06 J/KG
 TEST SECTION:
 PRESSURE .70 MPA
 SAT TEMP 438.31 K
 MASS FLUX 71.09 KG/SEC-M**2
 INLET QUALITY .194
 INLET ENTHALPY 1.098E+06 J/KG
 QUENCH FRONT:
 ELEVATION .320 M
 VELOCITY .0039 M/SEC
 QUALITY .256
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION				
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.912	786.7	.433	.318

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION					HEAT LOSS
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2		W/M**2
.013	458.2	.196	9.93E+04		
.051	462.7	.203	1.00E+05		
.063	458.0	.205	9.90E+04		
.089	463.0	.209	9.95E+04		
.114	462.7	.214	9.94E+04		
.140	458.7	.218	9.89E+04		
.165	462.1	.222	1.01E+05		
.317	730.6	.256	1.51E+05		
.394	971.8	.276	1.53E+05		
.470	1043.5	.294	1.21E+05		
.546	1075.9	.310	1.15E+05		
.622	1108.6	.325	1.14E+05		
.698	1125.0	.340	1.11E+05		
.775	1141.4	.354	1.10E+05		
.851	1153.4	.368	1.07E+05		
.927	1172.9	.383	1.07E+05		
1.003	1187.4	.397	1.06E+05		
1.079	1122.6	.410	9.64E+04	2.70E+03	
1.143	1140.7	.421	9.62E+04	8.08E+03	
1.181	1086.1	.427	8.72E+04	1.36E+04	
1.244	1036.3	.437	9.89E+04		
1.283	1007.2	.444	1.08E+05		
1.321	1054.6	.451	1.07E+05		

INEL POST-CHF EXPERIMENT NO. 222

POINT SERIAL NO. 1222.030 (TIME= 113.50 SEC)

LOOP PRESSURE{PE-3} 16.01 MPA
 FCV TEMPERATURE{TE-FCV-11} 525.6 K
 LHP INLET ENTHALPY 1.098E+06 J/KG
 TEST SECTION:
 PRESSURE .70 MPA
 SAT TEMP 438.29 K
 MASS FLUX 70.52 KG/SEC-M**2
 INLET QUALITY .194
 INLET ENTHALPY 1.098E+06 J/KG
 QUENCH FRONT:
 ELEVATION .397 M
 VELOCITY .0042 M/SEC
 QUALITY .276
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.835	755.3	.445	.335

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	456.0	.196	1.05E+05	
.051	459.7	.203	1.05E+05	
.063	457.2	.206	1.05E+05	
.089	461.1	.210	1.05E+05	
.114	460.8	.215	1.05E+05	
.140	458.0	.220	1.05E+05	
.165	458.9	.224	1.06E+05	
.317	516.3	.255	1.27E+05	
.394	733.1	.275	1.69E+05	
.470	973.2	.296	1.49E+05	
.546	1042.9	.314	1.25E+05	
.622	1081.6	.331	1.20E+05	
.698	1104.1	.347	1.16E+05	
.775	1123.7	.362	1.14E+05	
.851	1139.7	.377	1.12E+05	
.927	1159.5	.392	1.11E+05	
1.003	1175.8	.407	1.10E+05	
1.079	1121.5	.421	1.02E+05	3.51E+03
1.143	1130.1	.432	1.00E+05	7.61E+03
1.181	1079.5	.438	9.14E+04	1.39E+04
1.244	1027.3	.449	1.03E+05	
1.283	996.0	.456	1.10E+05	
1.321	1043.4	.464	1.10E+05	

INEL POST-CHF EXPERIMENT NO. 222

POINT SERIAL NO. 1222.040 (TIME= 131.50 SEC)

LOOP PRESSURE{PE-3} 15.98 MPA
 FCV TEMPERATURE{TE-FCV-11} 525.7 K
 LHP INLET ENTHALPY 1.098E+06 J/KG
 TEST SECTION:
 PRESSURE .70 MPA
 SAT TEMP 438.11 K
 MASS FLUX 70.16 KG/SEC-M**2
 INLET QUALITY .194
 INLET ENTHALPY 1.098E+06 J/KG
 QUENCH FRONT:
 ELEVATION .472 M
 VELOCITY .0041 M/SEC
 QUALITY .291
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.760	719.0	.449	.347

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	455.2	.196	1.05E+05	
.051	458.4	.203	1.05E+05	
.063	456.5	.206	1.05E+05	
.089	460.1	.211	1.05E+05	
.114	459.5	.215	1.05E+05	
.140	457.4	.220	1.05E+05	
.165	457.5	.225	1.05E+05	
.317	480.9	.253	1.10E+05	
.394	555.1	.270	1.42E+05	
.470	772.8	.290	1.59E+05	
.546	971.1	.311	1.52E+05	
.622	1050.2	.330	1.28E+05	
.698	1082.7	.347	1.21E+05	
.775	1107.4	.363	1.18E+05	
.851	1126.7	.378	1.15E+05	
.927	1147.8	.394	1.15E+05	
1.003	1165.5	.409	1.14E+05	
1.079	1119.7	.424	1.06E+05	2.33E+03
1.143	1123.0	.435	1.04E+05	6.77E+03
1.181	1075.8	.442	9.46E+04	1.26E+04
1.244	1022.0	.453	1.04E+05	
1.283	989.5	.460	1.12E+05	
1.321	1036.6	.468	1.11E+05	

INEL POST-CHF EXPERIMENT NO. 222

POINT SERIAL NO. 1222.050 (TIME= 148.50 SEC)

LOOP PRESSURE(PE-3) 16.04 MPA
 FCV TEMPERATURE(TE-FCV-1T) 525.7 K
 LHP INLET ENTHALPY 1.098E+06 J/KG
 TEST SECTION:
 PRESSURE .70 MPA
 SAT TEMP 438.23 K
 MASS FLUX 69.82 KG/SEC-M**2
 INLET QUALITY .194
 INLET ENTHALPY 1.098E+06 J/KG
 QUENCH FRONT:
 ELEVATION .546 M
 VELOCITY .0045 M/SEC
 QUALITY .305
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	IV (K)	XE	XA
1.232	.686	678.9	.452	.361

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	454.7	.197	1.05E+05	
.051	457.6	.204	1.05E+05	
.063	456.0	.206	1.05E+05	
.089	459.1	.211	1.05E+05	
.114	458.6	.215	1.05E+05	
.140	457.0	.220	1.05E+05	
.165	456.7	.225	1.05E+05	
.317	473.1	.253	1.07E+05	
.394	516.8	.268	1.12E+05	
.470	572.2	.285	1.41E+05	
.546	782.1	.305	1.59E+05	
.622	971.1	.327	1.56E+05	
.698	1051.4	.346	1.29E+05	
.775	1084.3	.363	1.22E+05	
.851	1108.6	.379	1.19E+05	
.927	1131.2	.395	1.17E+05	
1.003	1150.7	.411	1.16E+05	
1.079	1113.2	.426	1.11E+05	7.95E+02
1.143	1112.1	.438	1.07E+05	5.68E+03
1.181	1068.8	.445	9.82E+04	1.12E+04
1.244	1014.4	.456	1.05E+05	
1.283	980.8	.464	1.13E+05	
1.321	1028.0	.471	1.12E+05	

INEL POST-CHF EXPERIMENT NO. 222

POINT SERIAL NO. 1222.060 (TIME= 165.50 SEC)

LOOP PRESSURE(PE-3) 16.06 MPA
 FCV TEMPERATURE(TE-FCV-1T) 525.8 K
 LHP INLET ENTHALPY 1.099E+06 J/KG
 TEST SECTION:
 PRESSURE .70 MPA
 SAT TEMP 438.17 K
 MASS FLUX 69.60 KG/SEC-M**2
 INLET QUALITY .194
 INLET ENTHALPY 1.099E+06 J/KG
 QUENCH FRONT:
 ELEVATION .623 M
 VELOCITY .0046 M/SEC
 QUALITY .323
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	IV (K)	XE	XA
1.232	.609	645.6	.454	.373

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	454.2	.197	1.05E+05	
.051	457.1	.204	1.05E+05	
.063	455.8	.206	1.05E+05	
.089	458.6	.211	1.05E+05	
.114	458.0	.216	1.05E+05	
.140	456.8	.220	1.05E+05	
.165	456.4	.225	1.05E+05	
.317	469.1	.254	1.06E+05	
.394	506.4	.268	1.10E+05	
.470	508.5	.283	1.16E+05	
.546	602.0	.301	1.47E+05	
.622	759.9	.323	1.69E+05	
.698	1012.8	.344	1.49E+05	
.775	1058.2	.363	1.28E+05	
.851	1089.0	.380	1.23E+05	
.927	1113.9	.396	1.20E+05	
1.003	1135.4	.412	1.19E+05	
1.079	1104.9	.428	1.11E+05	1.69E+03
1.143	1100.7	.440	1.05E+05	8.55E+03
1.181	1060.7	.447	9.55E+04	1.44E+04
1.244	1006.7	.458	1.06E+05	
1.283	972.3	.466	1.13E+05	
1.321	1019.6	.473	1.13E+05	

INEL POST-CHF EXPERIMENT NO. 222

POINT SERIAL NO. 1222.070 (TIME= 176.50 SEC)

LOOP PRESSURE(PE-3) 16.08 MPA
 FCV TEMPERATURE(TE-FCV-11) 525.8 K
 LHP INLET ENTHALPY 1.099E+06 J/KG
 TEST SECTION:
 PRESSURE .70 MPA
 SAT TEMP 438.22 K
 MASS FLUX 69.39 KG/SEC-M**2
 INLET QUALITY .195
 INLET ENTHALPY 1.099E+06 J/KG
 QUENCH FRONT:
 ELEVATION .674 M
 VELOCITY .0048 M/SEC
 QUALITY .335
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA

1.232	.558	622.3	.457	.383
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WALL TEMPERATURE MEASUREMENT			LOCATION INFORMATION		HEAT FLUX W/M**2	HEAT LOSS W/M**2
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2		

.013	454.1	.197	1.05E+05	
.051	456.9	.204	1.05E+05	
.063	455.6	.206	1.05E+05	
.089	458.4	.211	1.05E+05	
.114	457.8	.216	1.05E+05	
.140	456.7	.221	1.05E+05	
.165	456.3	.225	1.05E+05	
.317	467.9	.254	1.06E+05	
.394	502.6	.268	1.10E+05	
.470	500.2	.283	1.12E+05	
.546	549.0	.300	1.28E+05	
.622	710.3	.320	1.81E+05	
.698	995.5	.343	1.59E+05	
.775	1046.9	.363	1.31E+05	
.851	1080.6	.380	1.24E+05	
.927	1106.6	.397	1.22E+05	
1.003	1128.9	.413	1.20E+05	
1.079	1101.3	.429	1.14E+05	
1.143	1096.0	.442	1.11E+05	4.36E+03
1.181	1057.3	.449	1.02E+05	9.42E+03
1.244	1003.5	.461	1.06E+05	
1.283	968.7	.468	1.13E+05	
1.321	1016.2	.476	1.13E+05	

INEL POST-CHF EXPERIMENT NO. 231

POINT SERIAL NO. 1231.020 (TIME= 136.50 SEC)

LOOP PRESSURE(PE-3) 15.88 MPA
 FCV TEMPERATURE(TE-FCV-11) 440.8 K
 LHP INLET ENTHALPY 7.174E+05 J/KG
 TEST SECTION:
 PRESSURE .70 MPA
 SAT TEMP 438.31 K
 MASS FLUX 22.15 KG/SEC-M**2
 INLET QUALITY .009
 INLET ENTHALPY 7.174E+05 J/KG
 QUENCH FRONT:
 ELEVATION .319 M
 VELOCITY .0027 M/SEC
 QUALITY .127
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT			LOCATION INFORMATION	
ELEVATION (M)	DZQF (M)	TV (K)	XE	XA

1.232	.913	945.9	.486	.316
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WALL TEMPERATURE MEASUREMENT			LOCATION INFORMATION		HEAT FLUX W/M**2	HEAT LOSS W/M**2
ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2		

.013	459.2	.013	5.70E+04	
.051	460.9	.026	5.74E+04	
.063	454.7	.030	5.67E+04	
.089	459.3	.038	5.71E+04	
.114	456.0	.046	5.69E+04	
.140	452.4	.054	5.65E+04	
.165	454.4	.062	5.73E+04	
.317	703.0	.126	9.41E+04	
.394	918.8	.163	8.17E+04	
.470	965.2	.197	7.68E+04	
.546	1004.8	.229	7.41E+04	
.622	1047.1	.261	7.56E+04	
.698	1081.7	.293	7.35E+04	
.775	1118.7	.323	7.12E+04	
.851	1149.0	.353	7.08E+04	
.927	1181.9	.383	6.90E+04	
1.003	1209.3	.412	6.83E+04	
1.079	1159.3	.440	6.04E+04	
1.143	1145.3	.461	5.96E+04	4.70E+03
1.181	1105.2	.473	5.48E+04	6.55E+03
1.245	1135.2	.493	6.06E+04	
1.283	1045.6	.520	1.94E+05	
1.321	553.0	.550	8.98E+04	

INEL POST-CHF EXPERIMENT NO. 231

POINT SERIAL NO. 1231.030 (TIME= 160.50 SEC)

LOOP PRESSURE(PE-3) 15.89 MPA
 FCV TEMPERATURE(TE-FCV-1T) 440.7 K
 LHP INLET ENTHALPY 7.171E+05 J/KG
 TEST SECTION:
 PRESSURE .70 MPA
 SAT TEMP 438.31 K
 MASS FLUX 21.97 KG/SEC-M**2
 INLET QUALITY .009
 INLET ENTHALPY 7.171E+05 J/KG
 QUENCH FRONT:
 ELEVATION .385 M
 VELOCITY .0028 M/SEC
 QUALITY .120
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.847	918.5	.421	.279

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	454.8	.012	4.29E+04	
.051	455.9	.022	4.29E+04	
.063	451.7	.025	4.23E+04	
.089	455.3	.031	4.26E+04	
.114	452.8	.037	4.24E+04	
.140	450.0	.043	4.21E+04	
.165	450.8	.049	4.23E+04	
.317	481.6	.090	5.33E+04	
.394	832.5	.124	1.05E+05	
.470	904.9	.160	6.67E+04	
.546	950.2	.188	6.46E+04	
.622	990.4	.216	6.55E+04	
.698	1026.8	.244	6.60E+04	
.775	1070.6	.272	6.40E+04	
.851	1102.2	.299	6.21E+04	
.927	1140.0	.326	6.10E+04	
1.003	1169.9	.352	6.03E+04	
1.079	1136.8	.376	5.36E+04	
1.143	1111.7	.395	5.24E+04	4.14E+03
1.181	1078.9	.406	4.85E+04	4.70E+03
1.245	1075.5	.436	1.20E+05	
1.283	553.4	.461	1.15E+05	
1.321	502.1	.478	4.88E+04	

INEL POST-CHF EXPERIMENT NO. 231

POINT SERIAL NO. 1231.040 (TIME= 176.50 SEC)

LOOP PRESSURE(PE-3) 15.87 MPA
 FCV TEMPERATURE(TE-FCV-1T) 440.5 K
 LHP INLET ENTHALPY 7.163E+05 J/KG
 TEST SECTION:
 PRESSURE .70 MPA
 SAT TEMP 438.35 K
 MASS FLUX 21.98 KG/SEC-M**2
 INLET QUALITY .009
 INLET ENTHALPY 7.163E+05 J/KG
 QUENCH FRONT:
 ELEVATION .429 M
 VELOCITY .0028 M/SEC
 QUALITY .132
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.803	848.1	.411	.287

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	453.4	.012	4.25E+04	
.051	454.4	.021	4.25E+04	
.063	451.0	.024	4.22E+04	
.089	454.3	.030	4.24E+04	
.114	452.0	.036	4.23E+04	
.140	449.8	.042	4.20E+04	
.165	450.2	.048	4.22E+04	
.317	471.3	.086	4.61E+04	
.394	574.8	.115	8.91E+04	
.470	872.7	.150	7.71E+04	
.546	922.4	.181	6.39E+04	
.622	960.9	.209	6.64E+04	
.698	1000.0	.236	6.29E+04	
.775	1045.3	.263	6.12E+04	
.851	1079.6	.288	5.89E+04	
.927	1117.8	.314	5.98E+04	
1.003	1148.8	.339	5.88E+04	
1.079	1123.5	.363	5.25E+04	
1.143	1093.9	.381	5.07E+04	4.03E+03
1.181	1065.2	.392	4.70E+04	4.66E+03
1.245	853.6	.435	1.98E+05	
1.283	484.4	.463	5.82E+04	
1.321	493.1	.474	4.60E+04	

INEL POST-CHF EXPERIMENT NO. 236

POINT SERIAL NO. 1236.011 (TIME= 72.50 SEC)
 {INFERRED VAPOR TEMP}
 LOOP PRESSURE(PE-3) 15.97 MPA
 FCV TEMPERATURE(TE-FCV-1T) 527.8 K
 LHP INLET ENTHALPY 1.108E+06 J/KG
 TEST SECTION:
 PRESSURE 3.50 MPA
 SAT TEMP 515.65 K
 MASS FLUX 22.12 KG/SEC-M**2
 INLET QUALITY .034
 INLET ENTHALPY 1.108E+06 J/KG
 QUENCH FRONT:
 ELEVATION .168 M
 VELOCITY .0105 M/SEC
 QUALITY .139
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

{INFERRED VAPOR TEMP}
 ELEVATION DZQF TV XE XA
 (M) (M) (K)
 1.232 1.064 950.0 .722 .450

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	584.7	.038	5.62E+04	
.051	609.7	.054	7.15E+04	
.063	564.9	.060	6.17E+04	
.089	612.8	.074	1.08E+05	
.114	639.3	.093	1.19E+05	
.140	584.3	.114	1.34E+05	
.165	682.8	.137	1.32E+05	
.317	918.9	.281	1.55E+05	
.394	975.4	.353	1.29E+05	
.470	1012.3	.414	1.17E+05	
.546	1035.6	.469	9.94E+04	
.622	1058.2	.516	8.90E+04	
.698	1069.9	.557	7.18E+04	
.775	1083.0	.590	6.28E+04	
.851	1087.7	.619	5.24E+04	
.927	1105.1	.645	5.22E+04	
1.003	1110.6	.671	5.05E+04	
1.079	1035.5	.692	3.37E+04	
1.143	1035.8	.706	3.29E+04	
1.181	990.9	.714	2.98E+04	1.64E+03
1.244	976.3	.725	2.15E+04	
1.283	923.7	.730	2.34E+04	
1.321	956.8	.736	1.98E+04	

INEL POST-CHF EXPERIMENT NO. 236

POINT SERIAL NO. 1236.021 (TIME= 77.50 SEC)
 {INFERRED VAPOR TEMP}
 LOOP PRESSURE(PE-3) 15.97 MPA
 FCV TEMPERATURE(TE-FCV-1T) 527.8 K
 LHP INLET ENTHALPY 1.108E+06 J/KG
 TEST SECTION:
 PRESSURE 3.50 MPA
 SAT TEMP 515.66 K
 MASS FLUX 22.07 KG/SEC-M**2
 INLET QUALITY .033
 INLET ENTHALPY 1.108E+06 J/KG
 QUENCH FRONT:
 ELEVATION .220 M
 VELOCITY .0105 M/SEC
 QUALITY .150
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

{INFERRED VAPOR TEMP}
 ELEVATION DZQF TV XE XA
 (M) (M) (K)
 1.232 1.012 920.0 .735 .470

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	570.2	.037	4.55E+04	
.051	589.7	.050	5.17E+04	
.063	551.3	.053	4.12E+04	
.089	571.4	.062	5.66E+04	
.114	565.1	.073	7.43E+04	
.140	587.0	.087	9.83E+04	
.165	621.9	.104	9.98E+04	
.317	823.3	.232	1.56E+05	
.394	917.1	.307	1.44E+05	
.470	959.7	.376	1.31E+05	
.546	992.6	.38	1.16E+05	
.622	1020.9	.494	1.06E+05	
.698	1043.0	.543	8.60E+04	
.775	1062.1	.583	7.31E+04	
.851	1072.6	.616	6.10E+04	
.927	1090.4	.647	5.99E+04	
1.003	1097.0	.676	5.69E+04	
1.079	1030.6	.700	4.02E+04	
1.143	1031.3	.717	3.91E+04	
1.181	987.3	.726	3.51E+04	1.95E+03
1.244	977.3	.739	2.64E+04	
1.283	925.5	.746	2.66E+04	
1.321	960.6	.752	2.24E+04	

INEL POST-CHF EXPERIMENT NO. 236

POINT SERIAL NO. 1236.031 (TIME= 83.50 SEC)
 {INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 15.95 MPA
 FCV TEMPERATURE(TE-FCV-1T) 527.8 K
 LHP INLET ENTHALPY 1.109E+06 J/KG
 TEST SECTION:
 PRESSURE 3.50 MPA
 SAT TEMP 515.64 K
 MASS FLUX 21.85 KG/SEC-M**2
 INLET QUALITY .034
 INLET ENTHALPY 1.109E+06 J/KG
 QUENCH FRONT:
 ELEVATION .311 M
 VELOCITY .0175 M/SEC
 QUALITY .169
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 (INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.921	892.0	.697	.457

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	559.0	.037	3.92E+04	
.051	574.4	.048	4.42E+04	
.063	543.5	.051	3.50E+04	
.089	556.7	.057	4.05E+04	
.114	547.5	.064	3.90E+04	
.140	537.9	.071	4.25E+04	
.165	549.1	.079	6.13E+04	
.317	712.1	.173	1.24E+05	
.394	842.8	.241	1.44E+05	
.470	887.5	.314	1.44E+05	
.546	935.4	.379	1.14E+05	
.622	968.7	.435	1.09E+05	
.698	1003.6	.486	9.18E+04	
.775	1030.7	.530	8.01E+04	
.851	1049.3	.568	6.84E+04	
.927	1068.9	.601	6.47E+04	
1.003	1079.2	.632	5.79E+04	
1.079	1021.7	.658	4.35E+04	
1.143	1022.9	.676	4.36E+04	1.53E+02
1.181	979.9	.687	3.79E+04	3.57E+03
1.244	975.3	.702	3.20E+04	
1.283	975.3	.710	3.15E+04	
1.321	963.2	.717	2.70E+04	

INEL POST-CHF EXPERIMENT NO. 236

POINT SERIAL NO. 1236.041 (TIME= 88.50 SEC)
 {INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 15.95 MPA
 FCV TEMPERATURE(TE-FCV-1T) 527.9 K
 LHP INLET ENTHALPY 1.109E+06 J/KG
 TEST SECTION:
 PRESSURE 3.50 MPA
 SAT TEMP 515.63 K
 MASS FLUX 21.72 KG/SEC-M**2
 INLET QUALITY .034
 INLET ENTHALPY 1.109E+06 J/KG
 QUENCH FRONT:
 ELEVATION .396 M
 VELOCITY .0166 M/SEC
 QUALITY .203
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 (INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.835	870.0	.653	.436

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	552.4	.037	3.61E+04	
.051	564.9	.047	4.05E+04	
.063	539.4	.050	3.26E+04	
.089	549.9	.056	3.59E+04	
.114	541.8	.062	3.41E+04	
.140	531.9	.067	3.33E+04	
.165	538.4	.073	3.99E+04	
.317	640.4	.144	9.90E+04	
.394	708.8	.200	1.22E+05	
.470	840.8	.268	1.42E+05	
.546	885.9	.334	1.19E+05	
.622	925.1	.391	1.07E+05	
.698	970.4	.441	8.96E+04	
.775	1003.8	.484	7.82E+04	
.851	1028.2	.522	6.90E+04	
.927	1050.0	.556	6.45E+04	
1.003	1063.8	.587	5.77E+04	
1.079	1013.2	.613	4.43E+04	
1.143	1013.9	.632	4.50E+04	5.70E+02
1.181	971.4	.643	3.91E+04	4.55E+03
1.244	971.3	.658	3.46E+04	
1.283	922.8	.667	3.40E+04	
1.321	962.9	.675	2.99E+04	

INEL POST-CHF EXPERIMENT NO. 236

POINT SERIAL NO. 1236.051 (TIME= 92.50 SEC)
 { INFERRED VAPOR TEMP }
 LOOP PRESSURE(PE-3) 15.95 MPA
 FCV TEMPERATURE(TE-FCV-1T) 528.0 K
 LHP INLET ENTHALPY 1.109E+06 J/KG
 TEST SECTION:
 PRESSURE 3.50 MPA
 SAT TEMP 515.62 K
 MASS FLUX 21.67 KG/SEC-M**2
 INLET QUALITY .034
 INLET ENTHALPY 1.109E+06 J/KG
 QUENCH FRONT:
 ELEVATION .463 M
 VELOCITY .0165 M/SEC
 QUALITY .224
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 { INFERRED VAPOR TEMP }

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.769	860.0	.621	.418

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	548.3	.037	3.45E+04	
.051	558.7	.046	3.82E+04	
.063	537.0	.049	3.15E+04	
.089	546.0	.055	3.38E+04	
.114	538.8	.061	3.23E+04	
.140	529.5	.066	3.11E+04	
.165	534.5	.071	3.34E+04	
.317	590.1	.126	7.31E+04	
.394	579.7	.170	1.02E+05	
.470	748.6	.229	1.28E+05	
.546	827.3	.293	1.20E+05	
.622	890.8	.354	1.18E+05	
.698	943.6	.407	9.06E+04	
.775	982.6	.450	7.76E+04	
.851	1010.7	.488	7.01E+04	
.927	1034.2	.522	6.56E+04	
1.003	1051.1	.554	5.74E+04	
1.079	1006.0	.580	4.48E+04	
1.143	1006.0	.599	4.55E+04	5.13E+02
1.181	963.9	.610	3.95E+04	4.39E+03
1.244	967.3	.626	3.42E+04	
1.283	920.1	.634	3.29E+04	
1.321	961.6	.642	3.07E+04	

INEL POST-CHF EXPERIMENT NO. 236

POINT SERIAL NO. 1236.061 (TIME= 98.50 SEC)
 { INFERRED VAPOR TEMP }
 LOOP PRESSURE(PE-3) 15.95 MPA
 FCV TEMPERATURE(TE-FCV-1T) 528.1 K
 LHP INLET ENTHALPY 1.110E+06 J/KG
 TEST SECTION:
 PRESSURE 3.50 MPA
 SAT TEMP 515.64 K
 MASS FLUX 21.72 KG/SEC-M**2
 INLET QUALITY .034
 INLET ENTHALPY 1.110E+06 J/KG
 QUENCH FRONT:
 ELEVATION .550 M
 VELOCITY .0130 M/SEC
 QUALITY .238
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 { INFERRED VAPOR TEMP }

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.682	835.0	.594	.409

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	543.5	.037	3.29E+04	
.051	551.4	.046	3.57E+04	
.063	534.2	.049	3.05E+04	
.089	541.8	.054	3.20E+04	
.114	535.6	.060	3.10E+04	
.140	527.3	.065	2.96E+04	
.165	530.8	.070	3.11E+04	
.317	560.5	.106	3.93E+04	
.394	565.9	.134	7.03E+04	
.470	658.0	.179	1.08E+05	
.546	743.2	.234	1.08E+05	
.622	842.3	.297	1.39E+05	
.698	900.2	.358	9.64E+04	
.775	946.6	.405	8.93E+04	
.851	979.7	.449	8.33E+04	
.927	1009.0	.489	7.33E+04	
1.003	1032.9	.523	6.04E+04	
1.079	996.1	.550	4.31E+04	
1.143	995.2	.569	4.47E+04	
1.181	953.7	.580	4.33E+04	
1.244	962.0	.596	3.48E+04	
1.283	916.7	.605	3.42E+04	
1.321	959.8	.614	3.14E+04	

INEL POST-CHF EXPERIMENT NO. 236

POINT SERIAL NO. 1236.071 (TIME= 103.50 SEC)
 (INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 15.96 MPA
 FCV TEMPERATURE(TE-FCV-1T) 528.2 K
 LHP INLET ENTHALPY 1.110E+06 J/KG
 TEST SECTION:
 PRESSURE 3.50 MPA
 SAT TEMP 515.65 K
 MASS FLUX 21.66 KG/SEC-M**2
 INLET QUALITY .035
 INLET ENTHALPY 1.110E+06 J/KG
 QUENCH FRONT:
 ELEVATION .614 M
 VELOCITY .0127 M/SEC
 QUALITY .244
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 (INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.618	810.0	.559	.395

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	540.4	.037	3.19E+04	
.051	546.6	.046	3.41E+04	
.063	532.4	.048	3.00E+04	
.089	539.2	.054	3.11E+04	
.114	533.6	.059	3.03E+04	
.140	526.1	.064	2.92E+04	
.165	528.8	.069	3.02E+04	
.317	554.8	.102	3.48E+04	
.394	547.4	.121	4.00E+04	
.470	600.9	.151	7.71E+04	
.546	677.8	.194	9.23E+04	
.622	742.0	.250	1.24E+05	
.698	847.6	.306	9.63E+04	
.775	912.4	.354	9.08E+04	
.851	948.2	.400	8.95E+04	
.927	982.6	.444	8.17E+04	
1.003	1012.5	.483	7.19E+04	
1.079	987.4	.513	4.59E+04	
1.143	985.7	.533	4.80E+04	
1.181	945.0	.545	4.52E+04	
1.244	956.5	.563	3.72E+04	
1.283	913.1	.572	3.49E+04	
1.321	957.8	.580	3.20E+04	

INEL POST-CHF EXPERIMENT NO. 236

POINT SERIAL NO. 1236.081 (TIME= 111.50 SEC)
 (INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 15.94 MPA
 FCV TEMPERATURE(TE-FCV-1T) 528.1 K
 LHP INLET ENTHALPY 1.110E+06 J/KG
 TEST SECTION:
 PRESSURE 3.50 MPA
 SAT TEMP 515.67 K
 MASS FLUX 21.67 KG/SEC-M**2
 INLET QUALITY .034
 INLET ENTHALPY 1.110E+06 J/KG
 QUENCH FRONT:
 ELEVATION .706 M
 VELOCITY .0105 M/SEC
 QUALITY .257
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 (INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.526	760.0	.547	.404

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	536.5	.037	3.09E+04	
.051	540.9	.045	3.23E+04	
.063	530.2	.048	2.95E+04	
.089	536.0	.053	3.03E+04	
.114	531.1	.058	2.97E+04	
.140	524.8	.063	2.88E+04	
.165	526.6	.068	2.94E+04	
.317	548.6	.100	3.29E+04	
.394	540.7	.116	3.16E+04	
.470	575.7	.135	4.22E+04	
.546	606.1	.160	5.53E+04	
.622	625.0	.201	1.05E+05	
.698	734.8	.252	9.36E+04	
.775	850.3	.304	1.11E+05	
.851	885.6	.360	1.09E+05	
.927	929.3	.413	9.63E+04	
1.003	968.4	.459	8.65E+04	
1.079	968.5	.495	5.44E+04	
1.143	965.0	.518	5.48E+04	
1.181	928.0	.532	4.91E+04	
1.244	943.8	.551	4.21E+04	
1.283	905.6	.561	3.65E+04	
1.321	952.6	.570	3.41E+04	

INEL POST-CHF EXPERIMENT NO. 236

POINT SERIAL NO. 1236.091 (TIME= 116.50 SEC)
 { INFERRED VAPOR TEMP }
 LOOP PRESSURE(PE-3) 15.93 MPA
 FCV TEMPERATURE(TE-FCV-1T) 528.1 K
 LHP INLET ENTHALPY 1.110E+06 J/KG
 TEST SECTION:
 PRESSURE 3.50 MPA
 SAT TEMP 515.63 K
 MASS FLUX 21.72 KG/SEC-M**2
 INLET QUALITY .034
 INLET ENTHALPY 1.110E+06 J/KG
 QUENCH FRONT:
 ELEVATION .767 M
 VELOCITY .0142 M/SEC
 QUALITY .257
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

{ INFERRED VAPOR TEMP }
 ELEVATION DZQF IV XE XA
 (M) (M) (K)
 1.232 .465 725.0 .532 .406

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	534.6	.037	3.04E+04	
.051	538.2	.045	3.14E+04	
.063	529.2	.047	2.92E+04	
.089	534.5	.052	2.99E+04	
.114	529.8	.057	2.95E+04	
.140	524.2	.062	2.86E+04	
.165	525.6	.067	2.91E+04	
.317	545.4	.099	3.25E+04	
.394	538.6	.115	3.07E+04	
.470	568.0	.132	3.80E+04	
.546	593.4	.153	4.34E+04	
.622	583.3	.179	5.76E+04	
.698	677.7	.214	8.14E+04	
.775	745.0	.262	1.03E+05	
.851	817.4	.318	1.18E+05	
.927	889.3	.375	1.05E+05	
1.003	932.3	.427	1.02E+05	
1.079	951.6	.470	6.48E+04	
1.143	947.7	.498	6.57E+04	
1.181	914.2	.513	5.71E+04	
1.244	933.1	.536	4.94E+04	
1.283	900.2	.547	3.98E+04	
1.321	949.0	.557	3.61E+04	

INEL POST-CHF EXPERIMENT NO. 236

POINT SERIAL NO. 1236.101 (TIME= 123.50 SEC)
 { INFERRED VAPOR TEMP }
 LOOP PRESSURE(PE-3) 15.97 MPA
 FCV TEMPERATURE(TE-FCV-1T) 528.0 K
 LHP INLET ENTHALPY 1.109E+06 J/KG
 TEST SECTION:
 PRESSURE 3.50 MPA
 SAT TEMP 515.66 K
 MASS FLUX 21.74 KG/SEC-M**2
 INLET QUALITY .034
 INLET ENTHALPY 1.109E+06 J/KG
 QUENCH FRONT:
 ELEVATION .850 M
 VELOCITY .0100 M/SEC
 QUALITY .278
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

{ INFERRED VAPOR TEMP }
 ELEVATION DZQF IV XE XA
 (M) (M) (K)
 1.232 .382 680.0 .500 .400

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	532.5	.037	3.00E+04	
.051	535.4	.044	3.07E+04	
.063	527.9	.047	2.92E+04	
.089	532.8	.052	2.97E+04	
.114	528.4	.057	2.93E+04	
.140	523.5	.062	2.85E+04	
.165	524.6	.067	2.89E+04	
.317	541.4	.098	3.17E+04	
.394	536.1	.113	3.05E+04	
.470	560.3	.130	3.53E+04	
.546	582.0	.149	3.88E+04	
.622	569.3	.169	3.92E+04	
.698	612.4	.194	6.08E+04	
.775	663.3	.231	8.37E+04	
.851	707.2	.278	1.02E+05	
.927	816.9	.333	1.10E+05	
1.003	872.9	.387	1.03E+05	
1.079	918.7	.432	7.66E+04	
1.143	913.8	.465	7.82E+04	
1.181	888.1	.483	6.10E+04	
1.244	911.7	.509	6.03E+04	
1.283	889.3	.523	4.73E+04	
1.321	941.7	.534	4.18E+04	

5.16E+03

INEL POST-CHF EXPERIMENT NO. 236

POINT SERIAL NO. 1236.111 (TIME= 131.50 SEC)
 (INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 15.94 MPA
 FCV TEMPERATURE(TE-FCV-11) 527.9 K
 LHP INLET ENTHALPY 1.109E+06 J/KG
 TEST SECTION:
 PRESSURE 3.50 MPA
 SAT TEMP 515.64 K
 MASS FLUX 21.69 KG/SEC-M**2
 INLET QUALITY .034
 INLET ENTHALPY 1.109E+06 J/KG
 QUENCH FRONT:
 ELEVATION .932 M
 VELOCITY .0103 M/SEC
 QUALITY .286
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
(INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.300	630.0	.475	.402

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	530.6	.036	2.96E+04	
.051	532.9	.044	3.01E+04	
.063	526.8	.046	2.89E+04	
.089	531.2	.051	2.94E+04	
.114	527.2	.056	2.91E+04	
.140	523.0	.061	2.85E+04	
.165	523.7	.066	2.87E+04	
.317	537.9	.097	3.10E+04	
.394	533.7	.112	3.01E+04	
.470	553.6	.128	3.36E+04	
.546	571.9	.146	3.68E+04	
.622	559.6	.165	3.59E+04	
.698	589.2	.185	4.45E+04	
.775	611.1	.209	4.88E+04	
.851	609.3	.240	7.21E+04	
.927	710.3	.283	9.75E+04	
1.003	773.8	.337	1.13E+05	
1.079	874.4	.386	8.07E+04	
1.143	868.0	.421	8.36E+04	
1.181	851.0	.442	8.22E+04	
1.244	864.6	.485	1.20E+05	
1.283	872.2	.507	5.10E+04	
1.321	930.8	.519	4.33E+04	

INEL POST-CHF EXPERIMENT NO. 236

POINT SERIAL NO. 1236.121 (TIME= 137.50 SEC)
 (INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 15.93 MPA
 FCV TEMPERATURE(TE-FCV-11) 527.9 K
 LHP INLET ENTHALPY 1.109E+06 J/KG
 TEST SECTION:
 PRESSURE 3.50 MPA
 SAT TEMP 515.63 K
 MASS FLUX 21.71 KG/SEC-M**2
 INLET QUALITY .034
 INLET ENTHALPY 1.109E+06 J/KG
 QUENCH FRONT:
 ELEVATION .996 M
 VELOCITY .0111 M/SEC
 QUALITY .298
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
(INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.236	590.0	.470	.417

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	529.5	.036	2.95E+04	
.051	531.4	.044	2.98E+04	
.063	526.1	.046	2.89E+04	
.089	530.1	.051	2.93E+04	
.114	526.4	.056	2.90E+04	
.140	522.6	.061	2.85E+04	
.165	523.1	.066	2.87E+04	
.317	535.7	.097	3.08E+04	
.394	532.1	.112	3.00E+04	
.470	549.7	.128	3.28E+04	
.546	565.7	.146	3.55E+04	
.622	554.2	.164	3.43E+04	
.698	578.5	.183	4.01E+04	
.775	598.4	.204	4.17E+04	
.851	572.0	.226	4.54E+04	
.927	638.5	.258	8.11E+04	
1.003	680.7	.303	9.46E+04	
1.079	834.8	.346	7.39E+04	
1.143	815.3	.390	1.34E+05	
1.181	792.1	.424	1.27E+05	
1.244	830.6	.482	1.47E+05	
1.283	855.0	.508	5.68E+04	
1.321	919.5	.522	4.84E+04	

INEL POST-CHF EXPERIMENT NO. 236

POINT SERIAL NO. 1236.131 (TIME= 140.50 SEC)
 { INFERRED VAPOR TEMP }
 LOOP PRESSURE(PE-3) 15.97 MPA
 FCV TEMPERATURE(TE-FCV-1T) 527.9 K
 LHP INLET ENTHALPY 1.109E+06 J/KG
 TEST SECTION:
 PRESSURE 3.50 MPA
 SAT TEMP 515.63 K
 MASS FLUX 21.58 KG/SEC-M**2
 INLET QUALITY .034
 INLET ENTHALPY 1.109E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.029 M
 VELOCITY .0111 M/SEC
 QUALITY .309
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 (INFERRED VAPOR TEMP)
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.232 .203 570.0 .470 .428

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013	529.2	.036	2.95E+04	
.051	531.1	.044	2.97E+04	
.063	525.9	.046	2.89E+04	
.089	529.9	.051	2.93E+04	
.114	526.2	.056	2.90E+04	
.140	522.5	.061	2.85E+04	
.165	523.0	.066	2.87E+04	
.317	535.2	.097	3.07E+04	
.394	531.7	.112	3.01E+04	
.470	548.7	.128	3.26E+04	
.545	564.1	.146	3.52E+04	
.622	552.9	.163	3.39E+04	
.698	576.0	.182	3.93E+04	
.775	595.6	.202	4.05E+04	
.851	568.3	.223	4.15E+04	
.927	613.7	.253	7.40E+04	
1.003	589.4	.295	9.12E+04	
1.079	825.1	.337	7.29E+04	
1.143	803.0	.384	1.43E+05	
1.181	795.5	.420	1.38E+05	
1.244	750.4	.483	1.59E+05	
1.283	850.1	.511	5.90E+04	
1.321	916.2	.525	5.04E+04	

INEL POST-CHF EXPERIMENT NO. 237

POINT SERIAL NO. 1237.011 (TIME= 205.50 SEC)
 { INFERRED VAPOR TEMP }
 LOOP PRESSURE(PE-3) 15.96 MPA
 FCV TEMPERATURE(TE-FCV-1T) 532.7 K
 LHP INLET ENTHALPY 1.132E+06 J/KG
 TEST SECTION:
 PRESSURE 3.50 MPA
 SAT TEMP 515.66 K
 MASS FLUX 19.12 KG/SEC-M**2
 INLET QUALITY .047
 INLET ENTHALPY 1.132E+06 J/KG
 QUENCH FRONT:
 ELEVATION .622 M
 VELOCITY .0020 M/SEC
 QUALITY .495
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 (INFERRED VAPOR TEMP)
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.232 .610 860.0 .937 .631

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013	527.4	.056	9.12E+04	
.051	529.7	.082	9.12E+04	
.063	526.7	.091	9.11E+04	
.089	529.1	.108	9.12E+04	
.114	525.9	.126	9.11E+04	
.140	525.8	.143	9.08E+04	
.165	524.5	.161	9.09E+04	
.317	531.4	.266	9.16E+04	
.394	531.6	.320	9.18E+04	
.470	545.2	.373	9.39E+04	
.546	568.5	.429	9.97E+04	
.622	757.4	.495	1.28E+05	
.698	944.1	.564	1.08E+05	
.775	1017.5	.625	1.06E+05	
.851	1081.1	.685	1.01E+05	
.927	1139.3	.742	9.51E+04	
1.003	1196.5	.797	9.32E+04	
1.079	1156.9	.849	8.60E+04	3.50E+03
1.143	1193.0	.890	8.50E+04	2.75E+03
1.181	1135.8	.913	7.48E+04	1.19E+04
1.245	1178.3	.951	8.17E+04	
1.283	1119.3	.976	8.88E+04	
1.321	1152.1	1.001	8.75E+04	

INEL POST-CHF EXPERIMENT NO. 237

POINT SERIAL NO. 1237.021 (TIME= 260.50 SEC)
 { INFERRED VAPOR TEMP }
 LOOP PRESSURE{PE-3} 15.97 MPA
 FCV TEMPERATURE{TE-FCV-1T} 532.5 K
 LHP INLET ENTHALPY 1.131E+06 J/KG
 TEST SECTION:
 PRESSURE 3.50 MPA
 SAT TEMP 515.63 K
 MASS FLUX 19.24 KG/SEC-M**2
 INLET QUALITY .047
 INLET ENTHALPY 1.131E+06 J/KG
 QUENCH FRONT:
 ELEVATION .685 M
 VELOCITY .0007 M/SEC
 QUALITY .522
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 { INFERRED VAPOR TEMP }

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.547	840.0	.910	.624

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	525.4	.055	8.99E+04	
.051	527.4	.081	9.00E+04	
.063	525.4	.090	9.00E+04	
.089	527.1	.107	9.01E+04	
.114	524.7	.125	9.02E+04	
.140	525.4	.142	9.00E+04	
.165	523.8	.159	9.00E+04	
.317	528.4	.264	9.04E+04	
.394	528.8	.316	9.03E+04	
.470	534.3	.368	9.10E+04	
.546	540.4	.421	9.19E+04	
.622	543.9	.474	9.29E+04	
.698	639.9	.533	1.09E+05	
.775	941.0	.592	9.77E+04	
.851	1025.6	.649	9.90E+04	
.927	1092.7	.705	9.71E+04	
1.003	1151.3	.761	9.79E+04	
1.079	1142.9	.816	9.25E+04	2.03E+03
1.143	1172.7	.860	9.07E+04	1.94E+03
1.181	1118.7	.885	8.00E+04	1.06E+04
1.245	1158.4	.925	8.63E+04	
1.283	1101.6	.950	9.25E+04	
1.321	1135.7	.977	9.30E+04	

INEL POST-CHF EXPERIMENT NO. 237

POINT SERIAL NO. 1237.031 (TIME= 299.50 SEC)
 { INFERRED VAPOR TEMP }
 LOOP PRESSURE{PE-3} 15.95 MPA
 FCV TEMPERATURE{TE-FCV-1T} 532.5 K
 LHP INLET ENTHALPY 1.131E+06 J/KG
 TEST SECTION:
 PRESSURE 3.50 MPA
 SAT TEMP 515.63 K
 MASS FLUX 19.13 KG/SEC-M**2
 INLET QUALITY .047
 INLET ENTHALPY 1.131E+06 J/KG
 QUENCH FRONT:
 ELEVATION .711 M
 VELOCITY .0007 M/SEC
 QUALITY .543
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 { INFERRED VAPOR TEMP }

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.520	830.0	.913	.632

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	525.4	.055	8.99E+04	
.051	527.1	.081	9.01E+04	
.063	525.1	.090	9.00E+04	
.089	526.7	.108	9.00E+04	
.114	524.4	.125	8.99E+04	
.140	525.3	.142	8.98E+04	
.165	523.7	.160	8.99E+04	
.317	527.4	.265	9.01E+04	
.394	527.6	.317	9.01E+04	
.470	530.8	.369	9.05E+04	
.546	534.1	.422	9.08E+04	
.622	534.2	.475	9.12E+04	
.698	557.1	.533	1.07E+05	
.775	908.2	.594	1.03E+05	
.851	1002.9	.652	9.70E+04	
.927	1079.4	.707	9.56E+04	
1.003	1136.8	.762	9.45E+04	
1.079	1129.8	.816	9.27E+04	1.91E+03
1.143	1162.9	.861	9.19E+04	3.29E+03
1.181	1117.2	.886	8.23E+04	9.17E+03
1.245	1154.3	.928	8.88E+04	
1.283	1104.6	.954	9.17E+04	
1.321	1141.1	.980	9.05E+04	

INEL POST-CHF EXPERIMENT NO. 237

POINT SERIAL NO. 1237.041 (TIME= 309.50 SEC)
 { INFERRED VAPOR TEMP }
 LOOP PRESSURE(PE-3) 16.02 MPA
 FCV TEMPERATURE(TE-FCV-1T) 532.7 K
 LHP INLET ENTHALPY 1.132E+06 J/KG
 TEST SECTION:
 PRESSURE 3.50 MPA
 SAT TEMP 515.65 K
 MASS FLUX 19.01 KG/SEC-M**2
 INLET QUALITY .047
 INLET ENTHALPY 1.132E+06 J/KG
 QUENCH FRONT:
 ELEVATION .718 M
 VELOCITY .0037 M/SEC
 QUALITY .549
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

{ INFERRED VAPOR TEMP }
 ELEVATION DZQF TV XE XA
 (M) (M) (K)
 1.232 .514 820.0 .924 .646

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	525.3	.056	8.99E+04	
.051	527.0	.082	9.01E+04	
.063	524.9	.091	8.99E+04	
.089	526.5	.108	9.00E+04	
.114	524.3	.125	8.99E+04	
.140	525.2	.143	8.99E+04	
.165	523.7	.160	8.99E+04	
.317	527.1	.265	9.01E+04	
.394	527.3	.317	9.02E+04	
.470	530.1	.370	9.04E+04	
.546	533.0	.423	9.07E+04	
.622	532.7	.475	9.10E+04	
.698	551.5	.533	1.07E+05	
.775	892.7	.596	1.10E+05	
.851	997.4	.656	9.59E+04	
.927	1072.8	.713	9.84E+04	
1.003	1131.6	.770	9.77E+04	
1.079	1125.2	.826	9.41E+04	1.83E+03
1.143	1158.2	.871	9.33E+04	2.17E+03
1.181	1114.4	.897	8.38E+04	8.96E+03
1.245	1150.5	.939	8.98E+04	
1.283	1103.5	.966	9.33E+04	
1.321	1141.0	.993	9.22E+04	

INEL POST-CHF EXPERIMENT NO. 237

POINT SERIAL NO. 1237.051 (TIME= 430.50 SEC)
 { INFERRED VAPOR TEMP }
 LOOP PRESSURE(PE-3) 15.97 MPA
 FCV TEMPERATURE(TE-FCV-1T) 532.7 K
 LHP INLET ENTHALPY 1.132E+06 J/KG
 TEST SECTION:
 PRESSURE 3.50 MPA
 SAT TEMP 515.63 K
 MASS FLUX 19.07 KG/SEC-M**2
 INLET QUALITY .047
 INLET ENTHALPY 1.132E+06 J/KG
 QUENCH FRONT:
 ELEVATION .769 M
 VELOCITY .0003 M/SEC
 QUALITY .660
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

{ INFERRED VAPOR TEMP }
 ELEVATION DZQF TV XE XA
 (M) (M) (K)
 1.232 .463 800.0 .988 .703

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	525.0	.057	1.04E+05	
.051	526.7	.087	1.04E+05	
.063	525.1	.097	1.04E+05	
.089	526.1	.118	1.04E+05	
.114	524.1	.138	1.04E+05	
.140	525.6	.158	1.05E+05	
.165	523.6	.179	1.04E+05	
.317	526.5	.300	1.04E+05	
.394	527.0	.361	1.05E+05	
.470	523.9	.422	1.04E+05	
.546	527.2	.483	1.04E+05	
.622	526.6	.544	1.05E+05	
.698	541.4	.603	9.77E+04	
.775	943.5	.665	1.14E+05	
.851	1085.6	.726	9.67E+04	
.927	1151.7	.782	9.63E+04	
1.003	1206.6	.837	9.44E+04	
1.079	1176.4	.891	9.08E+04	6.18E+03
1.143	1224.5	.935	9.29E+04	2.83E+03
1.181	1170.4	.961	8.34E+04	1.26E+04
1.245	1203.0	1.003	9.02E+04	
1.283	1141.5	1.031	1.02E+05	
1.321	1176.7	1.060	1.00E+05	

INEL POST-CHF EXPERIMENT NO. 237

POINT SERIAL NO. 1237.061 (TIME= 500.50 SEC)
 (INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 15.95 MPA
 FCV TEMPERATURE(TE-FCV-1T) 532.4 K
 LHP INLET ENTHALPY 1.131E+06 J/KG
 TEST SECTION:
 PRESSURE 3.50 MPA
 SAT TEMP 515.65 K
 MASS FLUX 18.83 KG/SEC-M**2
 INLET QUALITY .046
 INLET ENTHALPY 1.131E+06 J/KG
 QUENCH FRONT:
 ELEVATION .793 M
 VELOCITY .0003 M/SEC
 QUALITY .561
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
(INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.439	780.0	.874	.634

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	524.4	.054	8.35E+04	
.051	525.6	.079	8.35E+04	
.063	523.9	.087	8.35E+04	
.089	525.1	.104	8.36E+04	
.114	523.4	.120	8.36E+04	
.140	524.8	.136	8.36E+04	
.165	522.9	.153	8.35E+04	
.317	525.2	.251	8.36E+04	
.394	525.5	.300	8.35E+04	
.470	525.3	.349	8.35E+04	
.546	525.4	.398	8.36E+04	
.622	523.8	.447	8.36E+04	
.698	527.7	.496	8.41E+04	
.775	604.4	.547	9.07E+04	
.851	964.6	.603	1.00E+05	
.927	1041.9	.662	9.90E+04	
1.003	1118.3	.720	9.95E+04	
1.079	1129.0	.777	9.35E+04	
1.143	1166.1	.823	9.19E+04	5.60E+02
1.181	1124.1	.848	8.19E+04	6.59E+03
1.245	1141.1	.889	8.35E+04	
1.283	1100.1	.914	8.73E+04	
1.321	1136.4	.939	8.52E+04	

INEL POST-CHF EXPERIMENT NO. 237

POINT SERIAL NO. 1237.071 (TIME= 536.50 SEC)
 (INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 15.95 MPA
 FCV TEMPERATURE(TE-FCV-1T) 531.9 K
 LHP INLET ENTHALPY 1.128E+06 J/KG
 TEST SECTION:
 PRESSURE 3.49 MPA
 SAT TEMP 515.59 K
 MASS FLUX 18.86 KG/SEC-M**2
 INLET QUALITY .045
 INLET ENTHALPY 1.128E+06 J/KG
 QUENCH FRONT:
 ELEVATION .805 M
 VELOCITY .0003 M/SEC
 QUALITY .569
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
(INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.426	760.0	.854	.631

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	524.4	.053	8.36E+04	
.051	525.5	.078	8.36E+04	
.063	523.9	.086	8.36E+04	
.089	524.8	.102	8.36E+04	
.114	523.3	.119	8.36E+04	
.140	524.8	.135	8.36E+04	
.165	522.8	.152	8.36E+04	
.317	525.0	.250	8.35E+04	
.394	525.3	.299	8.37E+04	
.470	525.1	.348	8.37E+04	
.546	525.0	.398	8.37E+04	
.622	523.4	.447	8.36E+04	
.698	526.1	.496	8.38E+04	
.775	564.3	.547	9.03E+04	
.851	918.1	.602	9.40E+04	
.927	1012.2	.655	8.66E+04	
1.003	1080.9	.706	8.79E+04	
1.079	1096.4	.758	8.91E+04	9.15E+02
1.143	1131.0	.802	9.04E+04	9.92E+02
1.181	1098.7	.827	8.35E+04	5.47E+03
1.244	1122.6	.868	8.43E+04	
1.283	1089.4	.894	8.99E+04	
1.321	1130.1	.920	8.82E+04	

INEL POST-CHF EXPERIMENT NO. 237

POINT SERIAL NO. 1237.081 (TIME= 585.50 SEC)
 { INFERRED VAPOR TEMP }
 LOOP PRESSURE(PE-3) 15.95 MPA
 FCV TEMPERATURE(TE-FCV-11) 532.2 K
 LHP INLET ENTHALPY 1.130E+06 J/KG
 TEST SECTION:
 PRESSURE 3.50 MPA
 SAT TEMP 515.64 K
 MASS FLUX 18.88 KG/SEC-M**2
 INLET QUALITY .046
 INLET ENTHALPY 1.130E+06 J/KG
 QUENCH FRONT:
 ELEVATION .832 M
 VELOCITY .0007 M/SEC
 QUALITY .587
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 { INFERRED VAPOR TEMP }

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.399	770.0	.857	.627

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
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.013	524.3	.054	8.34E+04	
.051	525.3	.078	8.33E+04	
.063	523.7	.087	8.34E+04	
.089	524.6	.103	8.34E+04	
.114	523.2	.119	8.33E+04	
.140	524.6	.136	8.34E+04	
.165	522.5	.152	8.33E+04	
.317	524.8	.250	8.34E+04	
.394	525.1	.299	8.34E+04	
.470	524.9	.348	8.34E+04	
.546	523.8	.397	8.33E+04	
.622	523.2	.445	8.33E+04	
.698	524.8	.494	8.37E+04	
.775	545.8	.545	8.72E+04	
.851	847.8	.600	1.02E+05	
.927	1013.0	.655	8.70E+04	
1.003	1081.9	.706	8.63E+04	
1.079	1087.8	.758	8.84E+04	
1.143	1129.2	.800	8.48E+04	
1.181	1098.9	.825	8.47E+04	
1.244	1117.1	.864	7.79E+04	
1.283	1080.0	.888	8.42E+04	
1.321	1123.1	.913	8.46E+04	

INEL POST-CHF EXPERIMENT NO. 237

POINT SERIAL NO. 1237.091 (TIME= 685.50 SEC)
 { INFERRED VAPOR TEMP }
 LOOP PRESSURE(PE-3) 15.97 MPA
 FCV TEMPERATURE(TE-FCV-11) 532.2 K
 LHP INLET ENTHALPY 1.130E+06 J/KG
 TEST SECTION:
 PRESSURE 3.49 MPA
 SAT TEMP 515.60 K
 MASS FLUX 18.67 KG/SEC-M**2
 INLET QUALITY .046
 INLET ENTHALPY 1.130E+06 J/KG
 QUENCH FRONT:
 ELEVATION .910 M
 VELOCITY .0010 M/SEC
 QUALITY .556
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 { INFERRED VAPOR TEMP }

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.322	710.0	.754	.585

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
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.013	523.9	.053	7.15E+04	
.051	524.8	.074	7.15E+04	
.063	523.5	.081	7.15E+04	
.089	524.2	.095	7.16E+04	
.114	523.1	.109	7.15E+04	
.140	524.0	.123	7.15E+04	
.165	522.3	.137	7.15E+04	
.317	524.3	.222	7.16E+04	
.394	524.2	.264	7.15E+04	
.470	523.9	.307	7.15E+04	
.546	524.4	.349	7.15E+04	
.622	523.2	.391	7.15E+04	
.698	522.6	.433	7.15E+04	
.775	529.1	.476	7.22E+04	
.851	541.3	.519	7.40E+04	
.927	804.7	.567	8.77E+04	
1.003	970.3	.617	8.10E+04	
1.079	1015.0	.664	7.85E+04	
1.143	1038.6	.702	7.84E+04	
1.181	1023.5	.725	7.63E+04	
1.244	1033.4	.761	6.96E+04	
1.283	1031.3	.782	7.15E+04	
1.321	1078.8	.803	6.88E+04	

INEL POST-CHF EXPERIMENT NO. 237

POINT SERIAL NO. 1237.101 (TIME= 779.50 SEC)
 {INFERRED VAPOR TEMP}
 LOOP PRESSURE{PE-3} 15.95 MPA
 FCV TEMPERATURE{TE-FCV-1T} 532.6 K
 LHP INLET ENTHALPY 1.131E+06 J/KG
 TEST SECTION:
 PRESSURE 3.50 MPA
 SAT TEMP 515.62 K
 MASS FLUX 18.86 KG/SEC-M**2
 INLET QUALITY .047
 INLET ENTHALPY 1.131E+06 J/KG
 QUENCH FRONT:
 ELEVATION .999 M
 VELOCITY .0009 M/SEC
 QUALITY .605
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 {INFERRED VAPOR TEMP}

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.233	650.0	.749	.619

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	523.8	.054	7.17E+04	
.051	524.6	.075	7.18E+04	
.063	523.2	.082	7.17E+04	
.089	523.9	.096	7.18E+04	
.114	522.9	.110	7.18E+04	
.140	523.8	.124	7.18E+04	
.165	522.1	.138	7.18E+04	
.317	523.8	.223	7.18E+04	
.394	523.8	.265	7.18E+04	
.470	523.6	.307	7.17E+04	
.546	524.0	.349	7.17E+04	
.622	522.9	.392	7.17E+04	
.698	522.0	.434	7.18E+04	
.775	525.7	.476	7.20E+04	
.851	528.6	.518	7.22E+04	
.927	542.9	.561	7.33E+04	
1.003	773.9	.607	8.40E+04	
1.079	949.1	.655	7.98E+04	
1.143	992.3	.695	8.13E+04	
1.181	993.5	.719	7.93E+04	
1.244	1015.1	.756	7.27E+04	
1.283	1021.6	.777	7.48E+04	
1.321	1082.0	.799	7.43E+04	

INEL POST-CHF EXPERIMENT NO. 237

POINT SERIAL NO. 1237.111 (TIME= 795.50 SEC)
 {INFERRED VAPOR TEMP}
 LOOP PRESSURE{PE-3} 15.96 MPA
 FCV TEMPERATURE{TE-FCV-1T} 532.3 K
 LHP INLET ENTHALPY 1.130E+06 J/KG
 TEST SECTION:
 PRESSURE 3.49 MPA
 SAT TEMP 515.56 K
 MASS FLUX 18.79 KG/SEC-M**2
 INLET QUALITY .046
 INLET ENTHALPY 1.130E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.013 M
 VELOCITY .0009 M/SEC
 QUALITY .611
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 {INFERRED VAPOR TEMP}

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.219	620.0	.741	.633

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	523.8	.053	7.18E+04	
.051	524.7	.074	7.17E+04	
.063	523.2	.081	7.18E+04	
.089	523.9	.095	7.18E+04	
.114	522.9	.109	7.17E+04	
.140	523.8	.124	7.18E+04	
.165	522.0	.138	7.18E+04	
.317	523.8	.222	7.18E+04	
.394	523.7	.264	7.17E+04	
.470	523.5	.306	7.17E+04	
.546	523.9	.349	7.18E+04	
.622	522.9	.391	7.18E+04	
.698	521.9	.433	7.18E+04	
.775	525.2	.475	7.19E+04	
.851	527.7	.518	7.22E+04	
.927	542.5	.560	7.19E+04	
1.003	658.3	.606	8.27E+04	
1.079	941.3	.652	7.57E+04	
1.143	982.3	.689	7.61E+04	
1.181	985.3	.712	7.59E+04	
1.244	1008.7	.747	6.99E+04	
1.283	1019.0	.769	7.37E+04	
1.321	1079.5	.790	7.38E+04	

INEL POST-CHF EXPERIMENT NO. 237

POINT SERIAL NO. 1237.121 (TIME= 862.50 SEC)
 {INFERRED VAPOR TEMP}
 LOOP PRESSURE(PE-3) 15.97 MPA
 FCV TEMPERATURE(TE-FCV-1T) 532.6 K
 LHP INLET ENTHALPY 1.131E+06 J/KG
 TEST SECTION:
 PRESSURE 3.49 MPA
 SAT TEMP 515.57 K
 MASS FLUX 18.82 KG/SEC-M**2
 INLET QUALITY .047
 INLET ENTHALPY 1.131E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.070 M
 VELOCITY .0005 M/SEC
 QUALITY .522
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
{INFERRED VAPOR TEMP}

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.162	600.0	.617	.541

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	523.2	.052	5.67E+04	
.051	523.8	.069	5.67E+04	
.063	522.2	.075	5.67E+04	
.089	523.0	.086	5.67E+04	
.114	522.1	.097	5.67E+04	
.140	522.8	.108	5.67E+04	
.165	521.0	.119	5.67E+04	
.317	522.8	.186	5.66E+04	
.394	522.7	.220	5.66E+04	
.470	522.6	.253	5.67E+04	
.546	523.1	.286	5.67E+04	
.622	521.9	.320	5.67E+04	
.698	521.2	.353	5.67E+04	
.775	523.3	.387	5.68E+04	
.851	524.9	.420	5.69E+04	
.927	531.0	.454	5.74E+04	
1.003	535.9	.488	5.88E+04	
1.079	860.4	.527	7.34E+04	
1.143	919.7	.565	7.96E+04	
1.181	934.6	.588	7.61E+04	
1.244	959.2	.624	7.29E+04	
1.283	991.6	.645	6.71E+04	
1.321	1055.3	.664	6.51E+04	

INEL POST-CHF EXPERIMENT NO. 237

POINT SERIAL NO. 1237.130 (TIME= 889.50 SEC)
 LOOP PRESSURE(PE-3) 15.96 MPA
 FCV TEMPERATURE(TE-FCV-1T) 532.1 K
 LHP INLET ENTHALPY 1.129E+06 J/KG
 TEST SECTION:
 PRESSURE 3.50 MPA
 SAT TEMP 515.62 K
 MASS FLUX 18.78 KG/SEC-M**2
 INLET QUALITY .045
 INLET ENTHALPY 1.129E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.093 M
 VELOCITY .0009 M/SEC
 QUALITY .533
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.139	538.0	.608	.583

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	523.1	.051	5.66E+04	
.051	523.6	.068	5.67E+04	
.063	522.2	.073	5.67E+04	
.089	522.9	.084	5.67E+04	
.114	522.1	.096	5.67E+04	
.140	522.8	.107	5.67E+04	
.165	521.0	.118	5.67E+04	
.317	522.7	.185	5.67E+04	
.394	522.7	.218	5.67E+04	
.470	522.5	.252	5.67E+04	
.546	522.9	.285	5.67E+04	
.622	521.8	.319	5.66E+04	
.698	521.0	.352	5.67E+04	
.775	522.9	.386	5.67E+04	
.851	524.3	.420	5.68E+04	
.927	529.1	.453	5.72E+04	
1.003	531.4	.487	5.75E+04	
1.079	706.9	.525	7.17E+04	
1.143	869.4	.560	7.06E+04	
1.181	892.8	.581	6.83E+04	
1.244	914.3	.615	6.92E+04	
1.283	973.5	.634	6.37E+04	
1.321	1042.2	.653	6.20E+04	

INEL POST-CHF EXPERIMENT NO. 237

POINT SERIAL NO. 1237.140 (TIME= 925.50 SEC)

LOOP PRESSURE(PE-3) 15.95 MPA
 FCV TEMPERATURE[TE-FCV-1T] 532.6 K
 LHP INLET ENTHALPY 1.131E+06 J/KG
 TEST SECTION:
 PRESSURE 3.50 MPA
 SAT TEMP 515.62 K
 MASS FLUX 18.68 KG/SEC-M**2
 INLET QUALITY .047
 INLET ENTHALPY 1.131E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.126 M
 VELOCITY .0010 M/SEC
 QUALITY .552
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.106	524.2	.609	.601

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	523.0	.052	5.66E+04	
.051	523.6	.069	5.66E+04	
.063	522.2	.075	5.67E+04	
.089	522.8	.086	5.67E+04	
.114	522.1	.097	5.67E+04	
.140	522.8	.108	5.67E+04	
.165	521.0	.120	5.67E+04	
.317	522.6	.187	5.67E+04	
.394	522.6	.221	5.66E+04	
.470	522.4	.254	5.66E+04	
.546	522.8	.288	5.66E+04	
.622	521.8	.322	5.66E+04	
.698	520.9	.355	5.66E+04	
.775	522.5	.389	5.67E+04	
.851	523.7	.423	5.67E+04	
.927	527.3	.456	5.70E+04	
1.003	528.1	.490	5.73E+04	
1.079	626.5	.527	6.45E+04	
1.143	769.8	.562	7.70E+04	
1.181	858.0	.582	6.38E+04	
1.244	847.4	.616	7.04E+04	
1.283	949.4	.636	6.42E+04	
1.321	1022.5	.655	6.32E+04	

INEL POST-CHF EXPERIMENT NO. 237

POINT SERIAL NO. 1237.150 (TIME= 949.50 SEC)

LOOP PRESSURE(PE-3) 15.97 MPA
 FCV TEMPERATURE[TE-FCV-1T] 532.8 K
 LHP INLET ENTHALPY 1.132E+06 J/KG
 TEST SECTION:
 PRESSURE 3.49 MPA
 SAT TEMP 515.56 K
 MASS FLUX 18.71 KG/SEC-M**2
 INLET QUALITY .047
 INLET ENTHALPY 1.132E+06 J/KG
 QUENCH FRONT:
 ELEVATION 1.150 M
 VELOCITY .0010 M/SEC
 QUALITY .561
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.106	519.0	.609	.605

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	523.0	.053	5.66E+04	
.051	523.5	.070	5.66E+04	
.063	522.2	.075	5.66E+04	
.089	522.8	.087	5.66E+04	
.114	522.1	.098	5.66E+04	
.140	522.7	.109	5.66E+04	
.165	521.0	.120	5.66E+04	
.317	522.5	.187	5.66E+04	
.394	522.5	.221	5.65E+04	
.470	522.3	.255	5.66E+04	
.546	522.7	.288	5.66E+04	
.622	521.8	.322	5.66E+04	
.698	520.8	.355	5.66E+04	
.775	522.4	.389	5.66E+04	
.851	523.5	.422	5.66E+04	
.927	526.5	.456	5.68E+04	
1.003	526.4	.490	5.70E+04	
1.079	611.3	.525	6.06E+04	
1.143	632.8	.558	7.20E+04	
1.181	829.4	.579	7.27E+04	
1.244	772.6	.618	8.36E+04	
1.283	929.8	.640	6.51E+04	
1.321	1004.3	.659	6.46E+04	

INEL POST-CHF EXPERIMENT NO. 241

POINT SERIAL NO. 1241.011 (TIME= 42.50 SEC)
 { INFERRED VAPOR TEMP }
 LOOP PRESSURE(PF-3) 15.96 MPA
 FCV TEMPERATURE(TE-FCV-1T) 533.7 K
 LHP INLET ENTHALPY 1.137E+06 J/KG
 TEST SECTION:
 PRESSURE 3.50 MPA
 SAT TEMP 515.61 K
 MASS FLUX 34.94 KG/SEC-M**2
 INLET QUALITY .050
 INLET ENTHALPY 1.137E+06 J/KG
 QUENCH FRONT:
 ELEVATION .114 M
 VELOCITY .0088 M/SEC
 QUALITY .108
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 { INFERRED VAPOR TEMP }
 ELEVATION DZQF TV XE XA
 (M) (M) (K) (M) (M)
 1.232 1.118 830.0 .702 .486

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) (M) W/M**2 W/M**2
 .013 579.4 .055 1.01E+05
 .051 603.8 .072 1.11E+05
 .063 557.0 .078 1.01E+05
 .069 625.6 .091 1.52E+05
 .114 715.0 .108 1.74E+05
 .140 816.5 .128 1.93E+05
 .165 725.9 .147 1.68E+05
 .317 874.0 .247 1.50E+05
 .394 912.5 .295 1.53E+05
 .470 947.7 .343 1.46E+05
 .546 964.3 .388 1.37E+05
 .622 998.7 .431 1.37E+05
 .698 1022.6 .472 1.24E+05
 .775 1034.6 .510 1.15E+05
 .851 1046.4 .547 1.15E+05
 .927 1074.7 .583 1.13E+05
 1.003 1087.9 .618 1.12E+05
 1.079 1020.5 .650 8.73E+04
 1.143 1053.4 .674 9.34E+04
 1.181 1012.0 .688 8.41E+04
 1.245 1048.1 .710 8.34E+04
 1.283 1007.6 .724 9.09E+04
 1.321 1026.8 .738 9.11E+04

2.10E+03

INEL POST-CHF EXPERIMENT NO. 241

POINT SERIAL NO. 1241.021 (TIME= 48.50 SEC)
 { INFERRED VAPOR TEMP }
 LOOP PRESSURE(PF-3) 15.98 MPA
 FCV TEMPERATURE(TE-FCV-1T) 533.8 K
 LHP INLET ENTHALPY 1.137E+06 J/KG
 TEST SECTION:
 PRESSURE 3.49 MPA
 SAT TEMP 515.59 K
 MASS FLUX 34.99 KG/SEC-M**2
 INLET QUALITY .050
 INLET ENTHALPY 1.137E+06 J/KG
 QUENCH FRONT:
 ELEVATION .168 M
 VELOCITY .0105 M/SEC
 QUALITY .136
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 { INFERRED VAPOR TEMP }
 ELEVATION DZQF TV XE XA
 (M) (M) (K) (M) (M)
 1.232 1.064 770.0 .690 .505

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) (M) W/M**2 W/M**2
 .013 571.6 .055 9.51E+04
 .051 593.5 .071 1.04E+05
 .063 551.1 .076 9.19E+04
 .089 577.7 .088 1.29E+05
 .114 595.1 .102 1.42E+05
 .140 576.9 .118 1.56E+05
 .165 688.3 .134 1.52E+05
 .317 846.5 .232 1.59E+05
 .394 884.9 .281 1.49E+05
 .470 922.2 .328 1.44E+05
 .546 942.1 .372 1.36E+05
 .622 976.8 .415 1.35E+05
 .698 1004.1 .456 1.26E+05
 .775 1019.3 .495 1.17E+05
 .851 1032.2 .531 1.14E+05
 .927 1060.5 .567 1.14E+05
 1.003 1073.3 .603 1.12E+05
 1.079 1014.2 .635 9.08E+04
 1.143 1043.9 .660 9.67E+04
 1.181 1004.6 .674 8.71E+04
 1.245 1039.1 .698 9.02E+04
 1.283 997.7 .713 9.60E+04
 1.321 1018.1 .728 9.52E+04

1.36E+03
 4.01E+03

INEL POST-CHF EXPERIMENT NO. 241

POINT SERIAL NO. 1241.031 (TIME= 53.50 SEC)
 { INFERRED VAPOR TEMP }
 LOOP PRESSURE(PE-3) 15.92 MPA
 FCV TEMPERATURE(TE-FCV-1T) 533.9 K
 LHP INLET ENTHALPY 1.138E+06 J/KG
 TEST SECTION:
 PRESSURE 3.49 MPA
 SAT TEMP 515.60 K
 MASS FLUX 35.00 KG/SEC-M**2
 INLET QUALITY .050
 INLET ENTHALPY 1.138E+06 J/KG
 QUENCH FRONT:
 ELEVATION .220 M
 VELOCITY .0105 M/SEC
 QUALITY .156
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 { INFERRED VAPOR TEMP }

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	1.012	720.0	.668	.513

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	562.4	.055	8.87E+04	
.051	581.1	.069	9.46E+04	
.063	544.4	.074	8.36E+04	
.089	560.6	.084	9.75E+04	
.114	555.2	.095	1.11E+05	
.140	578.6	.108	1.38E+05	
.165	616.4	.122	1.36E+05	
.317	780.1	.216	1.60E+05	
.394	853.6	.265	1.51E+05	
.470	892.6	.311	1.38E+05	
.546	916.2	.353	1.32E+05	
.622	951.2	.395	1.32E+05	
.698	981.8	.436	1.25E+05	
.775	1001.1	.474	1.16E+05	
.851	1015.2	.510	1.13E+05	
.927	1043.9	.546	1.13E+05	
1.003	1057.3	.582	1.11E+05	
1.079	1006.6	.614	9.17E+04	
1.143	1033.0	.639	9.69E+04	2.03E+03
1.181	996.2	.653	8.76E+04	4.72E+03
1.245	1028.8	.677	9.31E+04	
1.283	987.6	.692	9.71E+04	
1.321	1008.4	.708	1.00E+05	

INEL POST-CHF EXPERIMENT NO. 241

POINT SERIAL NO. 1241.041 (TIME= 59.50 SEC)
 { INFERRED VAPOR TEMP }
 LOOP PRESSURE(PE-3) 15.93 MPA
 FCV TEMPERATURE(TE-FCV-1T) 534.0 K
 LHP INLET ENTHALPY 1.138E+06 J/KG
 TEST SECTION:
 PRESSURE 3.50 MPA
 SAT TEMP 515.62 K
 MASS FLUX 35.14 KG/SEC-M**2
 INLET QUALITY .051
 INLET ENTHALPY 1.138E+06 J/KG
 QUENCH FRONT:
 ELEVATION .307 M
 VELOCITY .0164 M/SEC
 QUALITY .185
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 { INFERRED VAPOR TEMP }

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.925	670.0	.641	.518

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	552.4	.055	8.27E+04	
.051	567.1	.068	8.75E+04	
.063	538.2	.073	7.79E+04	
.089	548.3	.081	8.28E+04	
.114	541.2	.090	8.10E+04	
.140	534.8	.098	8.49E+04	
.165	548.1	.109	1.12E+05	
.317	684.0	.190	1.46E+05	
.394	775.8	.240	1.69E+05	
.470	852.4	.288	1.34E+05	
.546	880.1	.329	1.26E+05	
.622	914.6	.369	1.28E+05	
.698	949.3	.408	1.23E+05	
.775	974.0	.446	1.16E+05	
.851	990.5	.482	1.12E+05	
.927	1019.1	.517	1.13E+05	
1.003	1033.6	.553	1.12E+05	
1.079	994.5	.585	9.36E+04	
1.143	1015.9	.610	9.86E+04	2.54E+03
1.181	982.8	.625	8.96E+04	5.23E+03
1.245	1012.1	.650	9.70E+04	
1.283	972.0	.665	9.95E+04	
1.321	960.4	.689	1.97E+05	

INEL POST-CHF EXPERIMENT NO. 241

POINT SERIAL NO. 1241.051 (TIME= 65.50 SEC)
 { INFERRED VAPOR TEMP }
 LOOP PRESSURE (PE-3) 15.96 MPA
 FCV TEMPERATURE (TE-FCV-1T) 534.0 K
 LHP INLET ENTHALPY 1.138E+06 J/KG
 TEST SECTION:
 PRESSURE 3.50 MPA
 SAT TEMP 515.64 K
 MASS FLUX 35.13 KG/SEC-M**2
 INLET QUALITY .051
 INLET ENTHALPY 1.138E+06 J/KG
 QUENCH FRONT:
 ELEVATION .390 M
 VELOCITY .0112 M/SEC
 QUALITY .208
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 { INFERRED VAPOR TEMP }
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.232 .842 630.0 .586 .495

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013	546.0	.055	7.87E+04	
.051	557.5	.067	8.24E+04	
.063	535.6	.072	7.46E+04	
.089	542.9	.080	7.71E+04	
.114	537.3	.088	7.57E+04	
.140	530.5	.096	7.49E+04	
.165	536.6	.104	7.87E+04	
.317	611.3	.167	1.22E+05	
.394	699.0	.210	1.50E+05	
.470	802.7	.255	1.37E+05	
.546	849.0	.295	1.13E+05	
.622	882.9	.331	1.15E+05	
.698	919.9	.367	1.14E+05	
.775	948.4	.402	1.10E+05	
.851	967.8	.436	1.05E+05	
.927	995.4	.469	1.07E+05	
1.003	1011.9	.502	1.03E+05	
1.079	982.0	.533	9.16E+04	
1.143	999.0	.557	9.31E+04	3.49E+03
1.181	969.1	.571	8.48E+04	6.19E+03
1.245	994.6	.595	9.29E+04	
1.283	954.2	.612	1.22E+05	
1.321	919.9	.639	2.23E+05	

INEL POST-CHF EXPERIMENT NO. 241

POINT SERIAL NO. 1241.061 (TIME= 73.50 SEC)
 { INFERRED VAPOR TEMP }
 LOOP PRESSURE (PE-3) 15.96 MPA
 FCV TEMPERATURE (TE-FCV-1T) 533.9 K
 LHP INLET ENTHALPY 1.138E+06 J/KG
 TEST SECTION:
 PRESSURE 3.50 MPA
 SAT TEMP 515.65 K
 MASS FLUX 35.02 KG/SEC-M**2
 INLET QUALITY .050
 INLET ENTHALPY 1.138E+06 J/KG
 QUENCH FRONT:
 ELEVATION .469 M
 VELOCITY .0088 M/SEC
 QUALITY .230
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 { INFERRED VAPOR TEMP }
 ELEVATION DZQF TV XE XA
 (M) (M) (K)

1.232 .763 580.0 .562 .505

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION
 ELEVATION TEMP XE HEAT FLUX HEAT LOSS
 (M) (K) W/M**2 W/M**2

.013	540.4	.054	7.74E+04	
.051	548.5	.067	8.02E+04	
.063	532.9	.071	7.51E+04	
.089	538.3	.079	7.64E+04	
.114	534.0	.087	7.54E+04	
.140	528.0	.095	7.44E+04	
.165	531.4	.103	7.63E+04	
.317	553.7	.154	8.56E+04	
.394	587.7	.188	1.30E+05	
.470	716.7	.230	1.37E+05	
.546	810.5	.272	1.31E+05	
.622	848.8	.310	1.10E+05	
.698	886.9	.345	1.09E+05	
.775	918.8	.379	1.08E+05	
.851	942.1	.413	1.03E+05	
.927	968.6	.446	1.05E+05	
1.003	988.7	.478	1.02E+05	
1.079	967.9	.509	9.04E+04	
1.143	980.6	.533	9.18E+04	3.07E+03
1.181	955.1	.547	8.41E+04	4.70E+03
1.244	974.1	.570	9.37E+04	
1.283	930.4	.593	2.00E+05	
1.321	721.8	.627	2.28E+05	

INEL POST-CHF EXPERIMENT NO. 241

POINT SERIAL NO. 1241.071 (TIME= 78.50 SEC)
 [INFERRED VAPOR TEMP]
 LOOP PRESSURE(PE-3) 15.95 MPA
 FCV TEMPERATURE(TE-FCV-1T) 533.8 K
 LHP INLET ENTHALPY 1.137E+06 J/KG
 TEST SECTION:
 PRESSURE 3.50 MPA
 SAT TEMP 515.64 K
 MASS FLUX 35.04 KG/SEC-M**2
 INLET QUALITY .050
 INLET ENTHALPY 1.137E+06 J/KG
 QUENCH FRONT:
 ELEVATION .513 M
 VELOCITY .0084 M/SEC
 QUALITY .239
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 (INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.719	540.0	.550	.526

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	537.7	.054	7.67E+04	
.051	544.2	.066	7.88E+04	
.063	531.5	.070	7.49E+04	
.089	536.2	.078	7.57E+04	
.114	532.4	.086	7.52E+04	
.140	527.0	.094	7.42E+04	
.165	529.5	.102	7.55E+04	
.317	547.8	.151	7.99E+04	
.394	549.4	.179	9.52E+04	
.470	648.2	.215	1.32E+05	
.546	797.7	.258	1.42E+05	
.622	829.6	.298	1.14E+05	
.698	867.8	.334	1.08E+05	
.775	900.6	.368	1.07E+05	
.851	926.7	.401	1.02E+05	
.927	952.3	.433	1.05E+05	
1.003	974.5	.466	1.01E+05	
1.079	959.5	.496	9.00E+04	
1.143	969.8	.520	9.09E+04	3.02E+03
1.181	947.3	.533	8.36E+04	4.45E+03
1.244	955.4	.563	1.41E+05	
1.283	775.2	.591	2.16E+05	
1.321	645.1	.621	1.62E+05	

INEL POST-CHF EXPERIMENT NO. 242

POINT SERIAL NO. 1242.011 (TIME= 38.50 SEC)
 [INFERRED VAPOR TEMP]
 LOOP PRESSURE(PE-3) 16.02 MPA
 FCV TEMPERATURE(TE-FCV-1T) 550.2 K
 LHP INLET ENTHALPY 1.218E+06 J/KG
 TEST SECTION:
 PRESSURE 7.01 MPA
 SAT TEMP 559.05 K
 MASS FLUX 40.33 KG/SEC-M**2
 INLET QUALITY -.034
 INLET ENTHALPY 1.218E+06 J/KG
 QUENCH FRONT:
 ELEVATION .114 M
 VELOCITY .0127 M/SEC
 QUALITY .086
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 (INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	1.118	930.0	.834	.499

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	654.6	-.025	1.66E+05	
.051	693.4	.006	2.19E+05	
.063	626.0	.020	2.88E+05	
.089	688.6	.051	3.07E+05	
.114	786.8	.086	3.44E+05	
.140	860.0	.123	3.43E+05	
.165	860.7	.154	2.38E+05	
.317	959.2	.308	2.44E+05	
.394	1011.4	.382	2.22E+05	
.470	1057.4	.451	2.07E+05	
.546	1082.5	.513	1.83E+05	
.622	1113.7	.569	1.66E+05	
.698	1120.1	.617	1.38E+05	
.775	1129.0	.659	1.22E+05	
.851	1132.8	.696	1.07E+05	
.927	1155.2	.730	1.05E+05	
1.003	1159.2	.763	1.05E+05	
1.079	1040.3	.792	7.43E+04	3.92E+02
1.143	1081.0	.811	7.47E+04	
1.181	1034.7	.823	6.64E+04	8.32E+03
1.245	1030.2	.840	6.60E+04	
1.283	997.4	.852	7.31E+04	
1.321	1014.0	.863	6.79E+04	

INEL POST-CHF EXPERIMENT NO. 242

POINT SERIAL NO. 1242.021 (TIME= 42.50 SEC)
 { INFERRED VAPOR TEMP }
 LOOP PRESSURE(PE-3) 16.01 MPA
 FCV TEMPERATURE(TE-FCV-1T) 550.2 K
 LHP INLET ENTHALPY 1.218E+06 J/KG
 TEST SECTION:
 PRESSURE 7.01 MPA
 SAT TEMP 559.04 K
 MASS FLUX 40.52 KG/SEC-M**2
 INLET QUALITY -.033
 INLET ENTHALPY 1.218E+06 J/KG
 QUENCH FRONT:
 ELEVATION .167 M
 VELOCITY .0145 M/SEC
 QUALITY .114
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

{ INFERRED VAPOR TEMP }				
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.232	1.065	905.0	.903	.553

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	627.2	-.026	1.34E+05	
.051	649.0	-.004	1.48E+05	
.063	602.1	.004	1.38E+05	
.089	635.4	.023	2.21E+05	
.114	613.5	.051	3.06E+05	
.140	634.7	.083	3.07E+05	
.165	715.7	.112	2.40E+05	
.317	897.4	.260	2.23E+05	
.394	955.0	.331	2.24E+05	
.470	1003.8	.403	2.28E+05	
.546	1036.5	.475	2.19E+05	
.622	1073.0	.543	2.13E+05	
.698	1092.0	.606	1.83E+05	
.775	1107.9	.662	1.67E+05	
.851	1118.2	.713	1.51E+05	
.927	1142.4	.760	1.46E+05	
1.003	1146.9	.806	1.43E+05	
1.079	1043.7	.844	9.84E+04	
1.143	1083.1	.871	1.04E+05	
1.181	1037.3	.887	9.34E+04	5.70E+03
1.244	1034.8	.911	8.75E+04	
1.283	1001.2	.926	9.84E+04	
1.321	1020.7	.941	9.08E+04	

INEL POST-CHF EXPERIMENT NO. 242

POINT SERIAL NO. 1242.031 (TIME= 46.50 SEC)
 { INFERRED VAPOR TEMP }
 LOOP PRESSURE(PE-3) 16.00 MPA
 FCV TEMPERATURE(TE-FCV-1T) 550.3 K
 LHP INLET ENTHALPY 1.218E+06 J/KG
 TEST SECTION:
 PRESSURE 7.01 MPA
 SAT TEMP 559.06 K
 MASS FLUX 40.84 KG/SEC-M**2
 INLET QUALITY -.033
 INLET ENTHALPY 1.218E+06 J/KG
 QUENCH FRONT:
 ELEVATION .225 M
 VELOCITY .0145 M/SEC
 QUALITY .134
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

{ INFERRED VAPOR TEMP }				
ELEVATION	DZQF	TV	XE	XA
(M)	(M)	(K)		
1.232	1.007	850.0	.831	.538

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION	TEMP	XE	HEAT FLUX	HEAT LOSS
(M)	(K)		W/M**2	W/M**2
.013	616.5	-.027	1.24E+05	
.051	636.5	-.006	1.37E+05	
.063	595.7	.001	1.30E+05	
.089	625.1	.018	1.84E+05	
.114	635.8	.039	2.14E+05	
.140	651.9	.061	2.15E+05	
.165	601.2	.082	1.84E+05	
.317	845.8	.213	2.29E+05	
.394	888.7	.285	2.27E+05	
.470	957.4	.354	2.12E+05	
.546	992.1	.419	1.97E+05	
.622	1028.8	.480	1.93E+05	
.698	1053.8	.538	1.73E+05	
.775	1073.6	.591	1.63E+05	
.851	1089.5	.641	1.49E+05	
.927	1115.8	.687	1.44E+05	
1.003	1123.0	.732	1.40E+05	
1.079	1034.7	.770	1.04E+05	
1.143	1072.1	.798	1.08E+05	
1.181	1029.1	.814	9.62E+04	6.00E+03
1.244	1031.0	.839	9.06E+04	
1.283	994.7	.854	9.95E+04	
1.321	1015.4	.869	9.43E+04	

INEL POST-CHF EXPERIMENT NO. 242

POINT SERIAL NO. 1242.041 (TIME= 51.50 SEC)
 (INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 15.97 MPA
 FCV TEMPERATURE(1E-FCV-11) 550.3 K
 LHP INLET ENTHALPY 1.218E+06 J/KG
 TEST SECTION:
 PRESSURE 7.01 MPA
 SAT TEMP 559.06 K
 MASS FLUX 41.13 KG/SEC-M**2
 INLET QUALITY -.033
 INLET ENTHALPY 1.218E+06 J/KG
 QUENCH FRONT:
 ELEVATION .322 M
 VELOCITY .0208 M/SEC
 QUALITY .158
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 (INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.910	805.0	.773	.525

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	601.5	-.027	1.09E+05	
.051	617.5	-.010	1.14E+05	
.063	583.1	-.004	1.02E+05	
.089	596.1	.007	1.12E+05	
.114	588.5	.019	1.13E+05	
.140	585.2	.033	1.50E+05	
.165	602.5	.048	1.47E+05	
.317	740.8	.155	1.93E+05	
.394	843.9	.217	2.04E+05	
.470	879.7	.284	2.21E+05	
.546	938.1	.348	1.89E+05	
.622	975.3	.408	1.90E+05	
.698	1009.4	.465	1.77E+05	
.775	1034.3	.520	1.68E+05	
.851	1056.6	.571	1.57E+05	
.927	1085.1	.619	1.54E+05	
1.003	1095.0	.667	1.47E+05	
1.079	1025.4	.708	1.16E+05	
1.143	1060.1	.738	1.19E+05	7.14E+02
1.181	1020.0	.756	1.05E+05	7.45E+03
1.244	1025.4	.783	1.01E+05	
1.283	987.9	.799	1.08E+05	
1.321	1011.2	.816	1.05E+05	

INEL POST-CHF EXPERIMENT NO. 242

POINT SERIAL NO. 1242.051 (TIME= 54.50 SEC)
 (INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 16.05 MPA
 FCV TEMPERATURE(1E-FCV-11) 550.3 K
 LHP INLET ENTHALPY 1.218E+06 J/KG
 TEST SECTION:
 PRESSURE 7.01 MPA
 SAT TEMP 559.06 K
 MASS FLUX 41.21 KG/SEC-M**2
 INLET QUALITY -.033
 INLET ENTHALPY 1.218E+06 J/KG
 QUENCH FRONT:
 ELEVATION .388 M
 VELOCITY .0234 M/SEC
 QUALITY .186
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 (INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.844	775.0	.745	.523

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	595.8	-.028	1.05E+05	
.051	610.4	-.011	1.09E+05	
.063	580.0	-.005	9.90E+04	
.089	590.2	.005	1.05E+05	
.114	583.0	.016	1.03E+05	
.140	575.7	.027	1.05E+05	
.165	581.6	.039	1.26E+05	
.317	633.5	.134	1.76E+05	
.394	734.3	.190	1.87E+05	
.470	866.9	.252	2.10E+05	
.546	902.6	.315	1.93E+05	
.622	945.1	.374	1.83E+05	
.698	982.8	.430	1.75E+05	
.775	1010.4	.484	1.70E+05	
.851	1035.8	.536	1.61E+05	
.927	1065.7	.586	1.58E+05	
1.003	1077.7	.634	1.52E+05	
1.079	1018.1	.676	1.18E+05	
1.143	1051.2	.708	1.24E+05	4.27E+02
1.181	1013.0	.726	1.10E+05	6.35E+03
1.244	1020.0	.755	1.07E+05	
1.283	982.4	.772	1.14E+05	
1.321	1007.2	.789	1.08E+05	

INEL POST-CHF EXPERIMENT NO. 242

POINT SERIAL NO. 1242.061 (TIME= 58.50 SEC)
 (INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 16.04 MPA
 FCV TEMPERATURE(TE-FCV-1T) 550.3 K
 LHP INLET ENTHALPY 1.218E+06 J/KG
 TEST SECTION:
 PRESSURE 7.01 MPA
 SAT TEMP 559.07 K
 MASS FLUX 41.48 KG/SEC-M**2
 INLET QUALITY -.033
 INLET ENTHALPY 1.218E+06 J/KG
 QUENCH FRONT:
 ELEVATION .468 M
 VELOCITY .0169 M/SEC
 QUALITY .222
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

(INFERRED VAPOR TEMP)
 ELEVATION DZQF TV XE XA
 (M) (M) (K)
 1.232 .764 725.0 .710 .528

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	590.1	-.028	1.02E+05	
.051	602.6	-.012	1.06E+05	
.063	576.9	-.006	9.71E+04	
.089	585.0	.004	1.00E+05	
.114	578.7	.014	9.81E+04	
.140	571.3	.024	9.76E+04	
.165	574.8	.035	1.01E+05	
.317	645.6	.116	1.60E+05	
.394	618.5	.167	1.69E+05	
.470	774.5	.224	1.94E+05	
.546	873.3	.283	1.92E+05	
.622	908.6	.340	1.75E+05	
.698	948.7	.394	1.69E+05	
.775	978.6	.446	1.66E+05	
.851	1007.2	.497	1.60E+05	
.927	1037.9	.547	1.61E+05	
1.003	1052.4	.596	1.55E+05	
1.079	1006.7	.639	1.22E+05	
1.143	1036.9	.671	1.29E+05	
1.181	1001.4	.690	1.15E+05	5.97E+03
1.244	1009.6	.720	1.15E+05	
1.283	972.0	.739	1.21E+05	
1.321	999.5	.757	1.14E+05	

INEL POST-CHF EXPERIMENT NO. 242

POINT SERIAL NO. 1242.071 (TIME= 63.50 SEC)
 (INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 16.00 MPA
 FCV TEMPERATURE(TE-FCV-1T) 550.3 K
 LHP INLET ENTHALPY 1.218E+06 J/KG
 TEST SECTION:
 PRESSURE 7.01 MPA
 SAT TEMP 559.08 K
 MASS FLUX 41.66 KG/SEC-M**2
 INLET QUALITY -.033
 INLET ENTHALPY 1.218E+06 J/KG
 QUENCH FRONT:
 ELEVATION .542 M
 VELOCITY .0130 M/SEC
 QUALITY .242
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

(INFERRED VAPOR TEMP)
 ELEVATION DZQF TV XE XA
 (M) (M) (K)
 1.232 .690 660.0 .667 .542

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	584.7	-.028	9.92E+04	
.051	594.8	-.012	1.03E+05	
.063	574.1	-.007	9.56E+04	
.089	580.6	.003	9.74E+04	
.114	575.5	.013	9.59E+04	
.140	568.7	.022	9.49E+04	
.165	570.7	.032	9.66E+04	
.317	600.5	.099	1.19E+05	
.394	616.8	.140	1.46E+05	
.470	698.9	.190	1.77E+05	
.546	779.5	.245	1.79E+05	
.622	842.2	.300	1.75E+05	
.698	909.5	.352	1.64E+05	
.775	941.0	.403	1.61E+05	
.851	972.2	.452	1.59E+05	
.927	1002.5	.502	1.61E+05	
1.003	1019.6	.551	1.57E+05	
1.079	990.7	.594	1.25E+05	
1.143	1017.2	.628	1.32E+05	
1.181	984.9	.647	1.20E+05	5.31E+03
1.244	991.8	.679	1.25E+05	
1.283	956.1	.698	1.26E+05	
1.321	987.6	.717	1.17E+05	

INEL POST-CHF EXPERIMENT NO. 242

POINT SERIAL NO. 1242.081 (TIME= 70.50 SEC)
 { INFERRED VAPOR TEMP }
 LOOP PRESSURE(PE-3) 16.00 MPA
 FCV TEMPERATURE(TE-FCV-1T) 550.3 K
 LHP INLET ENTHALPY 1.218E+06 J/KG
 TEST SECTION:
 PRESSURE 7.01 MPA
 SAT TEMP 559.05 K
 MASS FLUX 42.28 KG/SEC-M**2
 INLET QUALITY -.033
 INLET ENTHALPY 1.218E+06 J/KG
 QUENCH FRONT:
 ELEVATION .626 M
 VELOCITY .0111 M/SEC
 QUALITY .250
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 { INFERRED VAPOR TEMP }

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.606	600.0	.621	.560

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	579.3	-.028	9.70E+04	
.051	586.7	-.013	9.97E+04	
.063	571.4	-.008	9.47E+04	
.089	576.7	.001	9.55E+04	
.114	572.7	.011	9.47E+04	
.140	566.8	.021	9.36E+04	
.165	567.5	.030	9.48E+04	
.317	590.3	.089	9.94E+04	
.394	587.2	.120	1.03E+05	
.470	625.2	.156	1.29E+05	
.546	686.1	.200	1.59E+05	
.622	735.8	.248	1.57E+05	
.698	834.8	.299	1.80E+05	
.775	891.1	.351	1.63E+05	
.851	923.1	.400	1.57E+05	
.927	949.7	.449	1.62E+05	
1.003	968.8	.498	1.60E+05	
1.079	964.4	.542	1.31E+05	
1.143	984.0	.577	1.41E+05	
1.181	957.0	.597	1.28E+05	4.51E+03
1.244	949.4	.637	1.85E+05	
1.283	926.3	.662	1.36E+05	
1.321	965.2	.682	1.26E+05	

INEL POST-CHF EXPERIMENT NO. 243

POINT SERIAL NO. 1243.011 (TIME= 106.50 SEC)
 { INFERRED VAPOR TEMP }
 LOOP PRESSURE(PE-3) 15.93 MPA
 FCV TEMPERATURE(TE-FCV-1T) 550.7 K
 LHP INLET ENTHALPY 1.220E+06 J/KG
 TEST SECTION:
 PRESSURE 7.01 MPA
 SAT TEMP 559.05 K
 MASS FLUX 40.26 KG/SEC-M**2
 INLET QUALITY -.032
 INLET ENTHALPY 1.220E+06 J/KG
 QUENCH FRONT:
 ELEVATION .692 M
 VELOCITY .0040 M/SEC
 QUALITY .446
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 { INFERRED VAPOR TEMP }

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	.540	675.0	.822	.653

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	570.1	-.023	1.59E+05	
.051	573.2	.002	1.59E+05	
.063	568.0	.011	1.58E+05	
.089	571.0	.027	1.58E+05	
.114	568.4	.044	1.58E+05	
.140	566.7	.061	1.58E+05	
.165	564.3	.078	1.58E+05	
.317	575.2	.180	1.59E+05	
.394	574.2	.230	1.59E+05	
.470	585.6	.282	1.62E+05	
.546	602.0	.334	1.65E+05	
.622	611.6	.391	1.88E+05	
.698	796.2	.452	1.95E+05	
.775	900.7	.512	1.78E+05	
.851	939.5	.568	1.73E+05	
.927	979.1	.623	1.69E+05	
1.003	1012.2	.677	1.67E+05	
1.079	995.4	.728	1.55E+05	6.30E+03
1.143	1035.9	.770	1.59E+05	2.86E+03
1.181	1010.0	.794	1.45E+05	1.41E+04
1.245	993.9	.840	2.02E+05	
1.283	918.2	.875	2.33E+05	
1.321	769.7	.910	2.07E+05	

INEL POST-CHF EXPERIMENT NO. 243

POINT SERIAL NO. 1243.021 (TIME= 129.50 SEC)
 (INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 15.97 MPA
 FCV TEMPERATURE(TE-FCV-1T) 550.7 K
 LHP INLET ENTHALPY 1.220E+06 J/KG
 TEST SECTION:
 PRESSURE 7.01 MPA
 SAT TEMP 559.05 K
 MASS FLUX 40.16 KG/SEC-M**2
 INLET QUALITY -.032
 INLET ENTHALPY 1.220E+06 J/KG
 QUENCH FRONT:
 ELEVATION .772 M
 VELOCITY .0031 M/SEC
 QUALITY .498
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

(INFERRED VAPOR TEMP)
 ELEVATION DZQF TV XE XA
 (M) (M) (K)
 1.232 .460 650.0 .817 .674

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	567.7	-.023	1.58E+05	
.051	570.1	.002	1.58E+05	
.063	566.5	.010	1.58E+05	
.089	569.1	.027	1.58E+05	
.114	566.8	.044	1.58E+05	
.140	566.0	.061	1.58E+05	
.165	563.3	.078	1.58E+05	
.317	571.8	.180	1.59E+05	
.394	571.3	.231	1.59E+05	
.470	578.0	.282	1.60E+05	
.546	588.7	.333	1.62E+05	
.622	587.7	.385	1.61E+05	
.698	619.5	.439	1.77E+05	
.775	771.1	.500	2.00E+05	
.851	915.7	.559	1.69E+05	
.927	959.8	.613	1.68E+05	
1.003	996.3	.667	1.67E+05	
1.079	989.3	.719	1.57E+05	5.18E+03
1.143	1028.5	.761	1.61E+05	2.96E+03
1.181	1004.8	.786	1.47E+05	1.29E+04
1.245	796.2	.843	2.81E+05	
1.283	725.9	.878	1.52E+05	
1.321	806.0	.899	9.97E+04	

INEL POST-CHF EXPERIMENT NO. 243

POINT SERIAL NO. 1243.031 (TIME= 136.50 SEC)
 (INFERRED VAPOR TEMP)
 LOOP PRESSURE(PE-3) 16.04 MPA
 FCV TEMPERATURE(TE-FCV-1T) 550.7 K
 LHP INLET ENTHALPY 1.220E+06 J/KG
 TEST SECTION:
 PRESSURE 7.01 MPA
 SAT TEMP 559.07 K
 MASS FLUX 40.00 KG/SEC-M**2
 INLET QUALITY -.032
 INLET ENTHALPY 1.220E+06 J/KG
 QUENCH FRONT:
 ELEVATION .794 M
 VELOCITY .0031 M/SEC
 QUALITY .515
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

(INFERRED VAPOR TEMP)
 ELEVATION DZQF TV XE XA
 (M) (M) (K)
 1.232 .438 645.0 .824 .685

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	567.3	-.023	1.58E+05	
.051	569.7	.002	1.58E+05	
.063	566.3	.011	1.58E+05	
.089	568.8	.028	1.58E+05	
.114	566.6	.045	1.58E+05	
.140	566.0	.062	1.58E+05	
.165	563.2	.079	1.58E+05	
.317	571.3	.180	1.58E+05	
.394	570.9	.231	1.59E+05	
.470	576.9	.283	1.60E+05	
.546	586.9	.334	1.62E+05	
.622	586.1	.386	1.61E+05	
.698	612.6	.440	1.69E+05	
.775	778.6	.500	2.07E+05	
.851	912.0	.561	1.68E+05	
.927	956.5	.615	1.70E+05	
1.003	993.9	.670	1.68E+05	
1.079	988.1	.723	1.64E+05	
1.143	1026.8	.767	1.66E+05	
1.181	1003.9	.793	1.51E+05	1.07E+04
1.245	723.3	.849	2.66E+05	
1.283	734.7	.882	1.44E+05	
1.321	833.5	.901	9.23E+04	

INEL POST-CHF EXPERIMENT NO. 244

POINT SERIAL NO. 1244.061 (TIME= 149.50 SEC)
 {INFERRED VAPOR TEMP}
 LOOP PRESSURE(PE-3) 16.02 MPA
 FCV TEMPERATURE(TE-FCV-1T) 549.5 K
 LHP INLET ENTHALPY 1.214E+06 J/KG
 TEST SECTION:
 PRESSURE 7.01 MPA
 SAT TEMP 559.00 K
 MASS FLUX 24.16 KG/SEC-M**2
 INLET QUALITY -.036
 INLET ENTHALPY 1.214E+06 J/KG
 QUENCH FRONT:
 ELEVATION .137 M
 VELOCITY .0004 M/SEC
 QUALITY .019
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION
 (INFERRED VAPOR TEMP)

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	1.095	650.0	.587	.484

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	566.8	-.031	5.73E+04	
.051	568.8	-.015	5.73E+04	
.063	565.5	-.010	5.70E+04	
.089	568.0	-.000	5.73E+04	
.114	565.7	.010	5.71E+04	
.140	563.0	.020	5.65E+04	
.165	561.4	.030	5.68E+04	
.317	570.5	.091	5.79E+04	
.394	569.5	.122	5.76E+04	
.470	579.1	.153	5.92E+04	
.546	588.6	.185	6.09E+04	
.622	583.6	.218	6.01E+04	
.698	597.6	.250	6.34E+04	
.775	618.3	.285	6.59E+04	
.851	600.3	.319	6.30E+04	
.927	614.6	.355	7.11E+04	
1.003	611.6	.399	9.25E+04	
1.079	808.4	.461	1.42E+05	
1.143	861.1	.522	1.31E+05	
1.181	876.0	.553	1.04E+05	
1.244	959.2	.594	8.06E+04	
1.283	1002.5	.613	5.95E+04	
1.321	1048.1	.629	5.70E+04	

INEL POST-CHF EXPERIMENT NO. 244

POINT SERIAL NO. 1244.070 (TIME= 161.50 SEC)
 LOOP PRESSURE(PE-3) 16.05 MPA
 FCV TEMPERATURE(TE-FCV-1T) 549.5 K
 LHP INLET ENTHALPY 1.214E+06 J/KG
 TEST SECTION:
 PRESSURE 7.00 MPA
 SAT TEMP 558.97 K
 MASS FLUX 24.16 KG/SEC-M**2
 INLET QUALITY -.036
 INLET ENTHALPY 1.214E+06 J/KG
 QUENCH FRONT:
 ELEVATION .143 M
 VELOCITY .0004 M/SEC
 QUALITY .022
 NET LHP POWER TO FLUID 0.0 W

VAPOR TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	DZQF (M)	TV (K)	XE	XA
1.232	1.089	603.1	.555	.497

WALL TEMPERATURE MEASUREMENT LOCATION INFORMATION

ELEVATION (M)	TEMP (K)	XE	HEAT FLUX W/M**2	HEAT LOSS W/M**2
.013	565.8	-.030	5.72E+04	
.051	567.6	-.015	5.74E+04	
.063	564.8	-.010	5.71E+04	
.089	567.0	.000	5.73E+04	
.114	564.8	.010	5.73E+04	
.140	562.7	.020	5.66E+04	
.165	560.9	.031	5.69E+04	
.317	568.8	.092	5.77E+04	
.394	568.0	.122	5.76E+04	
.470	575.5	.154	5.87E+04	
.546	582.7	.185	5.99E+04	
.622	578.9	.217	5.96E+04	
.698	589.1	.249	6.11E+04	
.775	606.1	.283	6.35E+04	
.851	592.2	.316	6.10E+04	
.927	599.7	.349	6.29E+04	
1.003	593.0	.382	6.32E+04	
1.079	697.2	.422	8.39E+04	
1.143	724.6	.483	1.93E+05	
1.181	819.7	.523	1.03E+05	
1.244	931.5	.561	6.93E+04	
1.283	1003.3	.578	5.82E+04	
1.321	1048.0	.594	6.17E+04	

NONEQUILIBRIUM VAPOR GENERATION RATE DATA

POINT NO.	PRESS (MPA)	MASS FLUX (KG/S-M**2)	TVAPOR (K)	XCHF	DZQF (M)	XA	XE	DYA/DZ (1/M)	VAP GEN RATE (KG/S-M**3)
1022.010	.48	18.24	716.5	.439	1.321	.547	.706	.002	.092
1024.010	.79	17.60	772.8	.413	1.321	.561	.753	.005	.305
1025.010	.30	14.27	754.1	.457	1.321	.498	.665	.004	.206
1026.010	.30	14.17	733.3	.452	1.321	.472	.620	.002	.085
1027.010	.30	14.12	701.8	.455	1.321	.477	.612	.000	.022
1028.010	.29	14.13	663.1	.459	1.321	.542	.675	.003	.135
1036.010	.48	18.51	777.9	.443	1.334	.543	.731	.006	.368
2036.010	.48	18.51	838.0	.443	1.638	.549	.774	.010	.619
1037.010	.29	14.01	792.6	.462	1.334	.521	.715	.008	.367
2037.010	.29	14.01	851.1	.462	1.638	.529	.757	.009	.433
1038.010	.29	13.14	770.2	.460	1.334	.503	.675	.007	.288
2038.010	.29	13.14	828.4	.460	1.638	.510	.711	.008	.339
1039.010	.30	13.47	766.5	.456	1.334	.501	.673	.006	.280
2039.010	.30	13.47	822.8	.456	1.638	.507	.708	.008	.352
1040.010	.30	12.31	730.3	.456	1.334	.497	.650	.004	.179
2040.010	.30	12.31	782.3	.456	1.638	.501	.680	.006	.256
1041.010	.30	14.48	678.0	.459	1.334	.518	.652	.002	.107
2041.010	.30	14.48	722.3	.459	1.638	.520	.677	.004	.197
1043.010	.46	16.21	743.7	.322	1.334	.392	.517	.010	.516
2043.010	.46	16.21	784.6	.322	1.638	.402	.547	.012	.615

H-388

NONEQUILIBRIUM VAPOR GENERATION RATE DATA

POINT NO.	PRESS (MPA)	MASS FLUX (KG/S-M**2)	TVAPOR (K)	XCHF	DZQF (M)	XA	XE	DXA/DZ (1/M)	VAP GEN RATE (KG/S-M**3)
1044.010	.46	19.10	680.9	.324	1.334	.446	.560	.004	.264
2044.010	.46	19.10	727.0	.324	1.638	.450	.586	.009	.575
1045.010	.46	16.96	736.4	.322	1.334	.400	.526	.009	.499
2045.010	.46	16.96	779.0	.322	1.638	.409	.555	.012	.688
1049.010	.45	14.21	832.8	.260	1.334	.376	.530	.017	.806
2049.010	.45	14.21	885.0	.260	1.638	.393	.572	.019	.899
1050.010	.48	19.22	829.1	.272	1.163	.351	.493	.019	1.174
2050.010	.48	19.22	893.3	.272	1.468	.370	.541	.024	1.521
1050.020	.48	18.59	791.9	.293	1.066	.362	.492	.016	.988
2050.020	.48	18.59	864.2	.293	1.371	.378	.542	.021	1.303
1050.030	.48	18.73	761.7	.303	.994	.361	.484	.016	.956
2050.030	.48	18.73	847.9	.303	1.299	.377	.533	.020	1.204
1050.040	.48	18.74	744.0	.317	.916	.372	.489	.015	.941
2050.040	.48	18.74	824.0	.317	1.221	.387	.541	.018	1.131
1050.050	.48	18.70	714.1	.334	.845	.392	.506	.015	.903
2050.050	.48	18.70	808.2	.334	1.150	.407	.560	.020	1.200
1050.060	.48	18.72	683.8	.348	.763	.399	.502	.013	.817
2050.060	.48	18.72	781.7	.348	1.067	.412	.558	.020	1.198
1050.070	.48	18.65	657.3	.362	.685	.407	.500	.009	.581
2050.070	.48	18.65	761.2	.362	.990	.416	.557	.017	1.014

NONEQUILIBRIUM VAPOR GENERATION RATE DATA

POINT NO.	PRESS (MPA)	MASS FLUX (KG/S-M**2)	TVAPOR (K)	XCHF	DZQF (M)	XA	XE	DXA/DZ (1/M)	VAP GEN RATE (KG/S-M**3)
1050.080	.48	18.62	629.8	.388	.610	.436	.526	.010	.608
2050.080	.48	18.62	740.9	.388	.915	.446	.587	.018	1.074
1050.090	.48	18.47	598.9	.407	.539	.452	.532	.006	.361
2050.090	.48	18.47	722.0	.407	.843	.458	.594	.015	.892
2050.100	.48	18.46	704.5	.435	.762	.484	.616	.013	.798
2050.110	.48	18.52	677.9	.455	.681	.497	.620	.011	.678
2050.120	.48	18.47	652.7	.468	.613	.532	.651	.011	.695
2050.130	.48	18.53	620.2	.520	.533	.559	.668	.009	.530
2050.140	.48	18.48	590.2	.563	.454	.600	.700	.006	.379
2050.150	.48	18.49	558.1	.603	.382	.640	.727	.002	.111
2050.160	.48	18.53	527.2	.656	.315	.690	.763	.001	.032
1066.020	.49	45.06	684.5	.269	1.068	.324	.408	.002	.315
2066.020	.49	45.06	769.8	.269	1.372	.326	.439	.023	3.427
2066.030	.49	44.89	765.7	.277	1.290	.328	.440	.025	3.668
2066.040	.49	44.48	747.1	.284	1.216	.334	.442	.023	3.304
2066.050	.49	44.39	738.6	.293	1.156	.340	.447	.021	3.045
2066.060	.49	44.07	719.5	.308	1.070	.353	.458	.023	3.309
2066.070	.49	43.86	705.0	.321	.992	.363	.464	.025	3.597
1066.081	.49	43.69	570.0	.332	.609	.377	.433	.000	.038
2066.080	.49	43.69	687.4	.332	.913	.377	.477	.020	2.827

H-390

NONEQUILIBRIUM VAPOR GENERATION RATE DATA

POINT NO.	PRESS (MPA)	MASS FLUX (KG/S-M**2)	TVAPOR (K)	XCHF	DZQF (M)	XA	XE	DXA/DZ (1/M)	VAP GEN RATE (KG/S-M**3)
2066.090	.49	43.92	669.1	.347	.834	.389	.484	.021	2.955
2066.100	.49	43.86	652.6	.364	.762	.403	.495	.019	2.663
2066.110	.49	43.52	634.9	.379	.695	.416	.504	.020	2.860
2066.120	.49	43.25	621.5	.393	.634	.428	.513	.017	2.471
1068.010	.48	17.94	771.3	.307	1.092	.348	.469	.004	.229
2068.010	.48	17.94	858.2	.307	1.397	.352	.506	.013	.763
2068.020	.48	17.85	828.6	.328	1.291	.360	.507	.008	.439
2068.030	.48	17.68	813.5	.342	1.221	.374	.520	.011	.642
2068.040	.48	17.83	816.6	.357	1.145	.382	.533	.013	.781
2068.050	.49	17.74	791.2	.372	1.066	.399	.546	.015	.862
2068.060	.49	17.84	771.2	.386	.994	.410	.553	.017	.997
2068.070	.49	17.80	750.2	.398	.913	.430	.565	.010	.597
2068.080	.49	18.39	720.0	.390	.841	.422	.546	.009	.559
2068.090	.49	19.46	708.5	.375	.767	.410	.524	.012	.745
2068.100	.49	20.46	682.7	.365	.674	.393	.495	.014	.953
2068.110	.49	20.56	657.6	.368	.605	.396	.487	.013	.846
2068.120	.49	20.59	628.2	.380	.537	.407	.490	.011	.744
2068.130	.49	20.56	609.1	.386	.468	.407	.482	.014	.920
2092.080	3.58	32.19	732.7	.163	.380	.174	.230	.000	.051
1095.020	3.58	60.98	729.0	.113	1.125	.250	.328	.035	6.916

H-391

NONEQUILIBRIUM VAPOR GENERATION RATE DATA

POINT NO.	PRESS (MPA)	MASS FLUX (KG/S-M**2)	TVAPOR (K)	XCHF	DZQF (M)	XA	XE	DXA/DZ (1/M)	VAP GEN RATE (KG/S-M**3)
2095.031	3.58	60.27	755.0	.144	1.229	.259	.349	.009	1.869
1096.020	3.58	49.11	580.1	.152	.331	.182	.202	.001	.225
1096.031	3.59	49.40	540.0	.164	.225	.193	.202	.005	.789
1096.041	3.58	49.54	520.0	.167	.151	.200	.202	.007	1.140
1101.010	.81	23.69	761.9	.228	.995	.312	.416	.008	.647
2101.010	.81	23.69	829.1	.227	1.300	.320	.451	.021	1.620
1101.020	.81	23.58	738.8	.228	.912	.292	.384	.015	1.171
2101.020	.81	23.58	809.3	.229	1.217	.307	.427	.022	1.695
1101.031	.80	22.93	702.0	.241	.842	.302	.385	.010	.759
2101.030	.80	22.93	800.7	.242	1.147	.312	.430	.016	1.201
1101.041	.80	22.68	679.0	.252	.754	.300	.375	.008	.614
2101.040	.80	22.68	790.7	.252	1.059	.308	.422	.015	1.127
1101.050	.80	22.38	665.0	.264	.676	.302	.373	.007	.502
2101.050	.80	22.38	776.7	.264	.981	.309	.418	.019	1.406
1101.061	.81	22.10	630.0	.275	.614	.311	.373	.006	.430
1102.020	.81	40.20	737.2	.232	.914	.286	.375	.018	2.386
2102.020	.81	40.20	788.3	.232	1.218	.304	.415	.026	3.451
1102.030	.81	39.91	718.0	.243	.842	.290	.375	.021	2.706
2102.030	.81	39.91	763.3	.243	1.147	.311	.416	.022	2.852
1102.040	.81	39.74	687.9	.253	.760	.299	.376	.017	2.193

H-392

NONEQUILIBRIUM VAPOR GENERATION RATE DATA

POINT NO.	PRESS (MPA)	MASS FLUX (KG/S-M**2)	TVAPOR (K)	XCHF	DZQF (M)	XA	XE	DXA/DZ (1/M)	VAP GEN RATE (KG/S-M**3)
2102.040	.81	39.74	753.3	.253	1.065	.315	.419	.021	2.768
1102.050	.81	39.45	670.8	.265	.689	.305	.379	.019	2.419
2102.050	.81	39.45	731.6	.265	.993	.324	.423	.018	2.376
1102.060	.81	38.83	640.7	.280	.609	.316	.383	.016	2.095
2102.060	.81	38.83	714.4	.280	.914	.333	.428	.017	2.206
1102.070	.81	38.86	618.4	.289	.532	.321	.381	.020	2.499
2102.070	.81	38.82	693.0	.289	.840	.340	.430	.014	1.836
2102.080	.81	38.67	673.4	.300	.768	.348	.432	.012	1.475
2102.100	.81	38.30	636.8	.322	.649	.364	.439	.007	.894
1106.010	.80	18.36	759.4	.096	1.139	.301	.402	.021	1.251
2106.010	.80	18.36	849.5	.095	1.444	.322	.461	.039	2.361
1106.020	.80	18.24	689.7	.105	1.111	.315	.398	.008	.475
2106.021	.80	18.24	840.0	.105	1.416	.323	.459	.040	2.417
2106.031	.80	18.24	830.0	.120	1.372	.320	.451	.043	2.554
2106.040	.80	18.20	736.9	.134	1.225	.304	.398	.023	1.400
2106.050	.80	18.20	716.2	.142	1.146	.316	.407	.020	1.219
2106.061	.80	18.17	720.0	.147	1.110	.318	.411	.018	1.086
1107.010	.81	46.24	717.6	.126	.841	.188	.243	.020	3.057
2107.010	.81	46.22	780.2	.126	1.144	.208	.282	.024	3.585
1107.030	.81	45.73	678.8	.144	.692	.188	.234	.015	2.312

NON-EQUILIBRIUM VAPOR GENERATION RATE DATA

POINT NO.	PRESS (MPA)	MASS FLUX (KG/S-M**2)	TVAPOR (K)	XCHF	DZQF (M)	XA	XE	DXA/DZ (1/M)	VAP GEN RATE (KG/S-M**3)
2107.030	.81	45.73	759.1	.144	.997	.203	.271	.024	3.546
1107.040	.80	45.65	640.2	.151	.631	.192	.233	.015	2.193
2107.040	.80	45.60	741.9	.151	.937	.207	.272	.020	2.936
1107.050	.81	45.43	617.2	.158	.570	.197	.234	.011	1.624
2107.050	.81	45.43	742.1	.158	.875	.208	.273	.022	3.236
2107.060	.81	45.02	716.9	.162	.838	.210	.270	.017	2.498
2107.070	.81	44.91	711.1	.174	.760	.218	.280	.016	2.325
2107.080	.81	44.51	680.0	.186	.683	.228	.285	.014	2.032
2107.090	.80	44.67	656.8	.192	.636	.233	.284	.012	1.815
2107.100	.81	44.41	639.5	.199	.573	.233	.281	.011	1.619
1110.040	.81	50.59	668.7	.013	.910	.126	.156	.025	4.153
2110.040	.81	50.63	712.8	.013	1.222	.151	.194	.024	3.900
1110.050	.81	50.15	647.3	.019	.840	.122	.149	.054	4.470
1110.060	.81	50.13	637.5	.027	.758	.114	.138	.075	6.206
2111.010	.34	18.85	780.7	.365	1.258	.391	.531	.003	.202
2111.020	.36	18.96	766.0	.371	1.220	.394	.530	.004	.245
2111.050	.35	18.72	732.7	.383	1.106	.398	.522	.003	.163
1111.060	.35	18.65	622.1	.386	.759	.404	.486	.000	.013
1111.070	.35	18.66	606.6	.390	.731	.410	.487	.001	.047
1111.080	.34	18.90	599.4	.394	.684	.411	.485	.002	.117

H-394

NONEQUILIBRIUM VAPOR GENERATION RATE DATA

POINT NO.	PRESS (MPA)	MASS FLUX (KG/S-M**2)	TVAPOR (K)	XCHF	DZQF (M)	XA	XE	DXA/DZ (1/M)	VAP GEN RATE (KG/S-M**3)
2113.010	.37	43.09	710.6	.422	1.424	.478	.616	.003	.490
2113.020	.38	42.00	690.6	.421	1.372	.477	.606	.004	.573
2113.030	.37	41.25	664.2	.426	1.299	.480	.597	.001	.077
2115.020	.49	23.20	767.0	.495	1.284	.512	.688	.001	.089
1115.060	.49	23.03	587.0	.527	.678	.544	.634	.000	.021
1115.070	.49	23.18	570.7	.531	.631	.550	.631	.002	.164
2116.040	.48	17.76	661.4	.495	1.093	.501	.620	.001	.045
1118.050	.79	17.70	634.0	.499	.613	.515	.620	.005	.267
1125.011	7.07	30.81	805.0	.277	1.052	.555	.818	.013	1.362
1125.021	7.07	30.66	782.0	.325	.942	.549	.788	.013	1.279
1125.030	7.06	30.66	761.8	.339	.899	.555	.779	.001	.085
1125.041	7.07	30.65	744.0	.362	.839	.560	.770	.013	1.275
1125.050	7.06	30.69	733.4	.387	.784	.561	.761	.019	1.875
1125.061	7.06	30.49	695.0	.404	.682	.557	.721	.014	1.414
1125.071	7.06	30.29	672.0	.419	.613	.567	.711	.015	1.509
1125.081	7.06	30.11	639.0	.432	.530	.583	.695	.012	1.145
1171.050	.72	23.85	792.1	.093	.793	.239	.327	.069	2.709
1171.061	.72	23.63	740.0	.111	.688	.230	.302	.071	2.760
1174.030	.72	35.60	752.9	.038	.970	.182	.241	.055	3.199
1174.041	.72	35.63	723.0	.049	.894	.179	.232	.050	2.935

NONEQUILIBRIUM VAPOR GENERATION RATE DATA

POINT NO.	PRESS (MPA)	MASS FLUX (KG/S-M**2)	TVAPOR (K)	XCHF	DZQF (M)	XA	XE	DYA/DZ (1/M)	VAP GEN RATE (KG/S-M**3)
1175.051	3.50	25.89	810.0	.395	.912	.482	.683	.056	2.358
1175.061	3.50	25.79	760.0	.397	.835	.478	.647	.053	2.235

**APPENDIX I
HEAT LOSS TEST RESULTS**

APPENDIX I HEAT LOSS TEST RESULTS

The heat losses for the two types of experiments, steady state and quasi-steady-state, are discussed in this appendix. The steady-state data are discussed in Section 1, and the quasi-steady-state situation is discussed in Section 2.

I-1. Steady-State Heat Losses

Steady-state heat losses were determined from the standard application of a simple energy balance. (Note: Steady state implies power balance.) The hot patches and test section were brought to temperature and allowed to reach thermal equilibrium under no-flow, nitrogen-filled conditions. Measurement of the power required to hold the test section, lower hot patch, and upper hot patch at a given temperature provided a measure of the power lost to the environment through the insulation. Table I-1 lists, and Figure I-1 shows, the results obtained for these calibration tests for these components. The test section temperature was controlled by a thermocouple (TE-TS-71) located at the 180.34-cm elevation, and the lower and upper hot patch temperatures were controlled by thermocouples (TE-LHP-1 and

TE-UHP-S) located in the two respective hot patches.

Figure I-2 shows a typical temperature distribution along the test section during two of the high-temperature (900 K) tests of this heat loss series. Temperature depressions exist at several locations along the test section. Generally, the upper end of the test section where the vapor probes are located shows a lower temperature (60 K lower) than does the lower part. This depression is attributed to (a) the vapor probes decreasing the local electrical resistance and (b) very slight heat losses due to conduction out of the vapor probe aspiration lines. The lower of two other local depressions, at the 22.9-cm level, arose due to a gamma-densitometer source that was originally located there during the heat loss series. The second local depression, at the first vapor probe (121.9 cm), was due to the combined effects of the vapor probe and a gamma-densitometer source located there.

In an effort to separate these effects, a simplified analysis of the temperature distribution shown in

Table I-1. Results of component power calibration tests

Heat Loss Test	Test Section		Lower Hot Patch		Upper Hot Patch	
	Temperature (K)	Power (W)	Temperature (K)	Power (W)	Temperature (K)	Power (W)
9.4.A	500	16.47	501	149.98	500	118.21
9.4.B	704	60.62	500	146.53	500	114.08
9.4.C	904	146.19	500	131.17	500	95.98
9.4.D	500	14.55	702	364.50	699	284.14
9.4.E	700	70.22	702	361.71	700	269.12
9.4.F	904	128.83	703	337.92	699	249.65
9.4.G	900	122.74	802	486.72	801	351.67
9.4.H	683	69.39	701	380.50	699	278.43

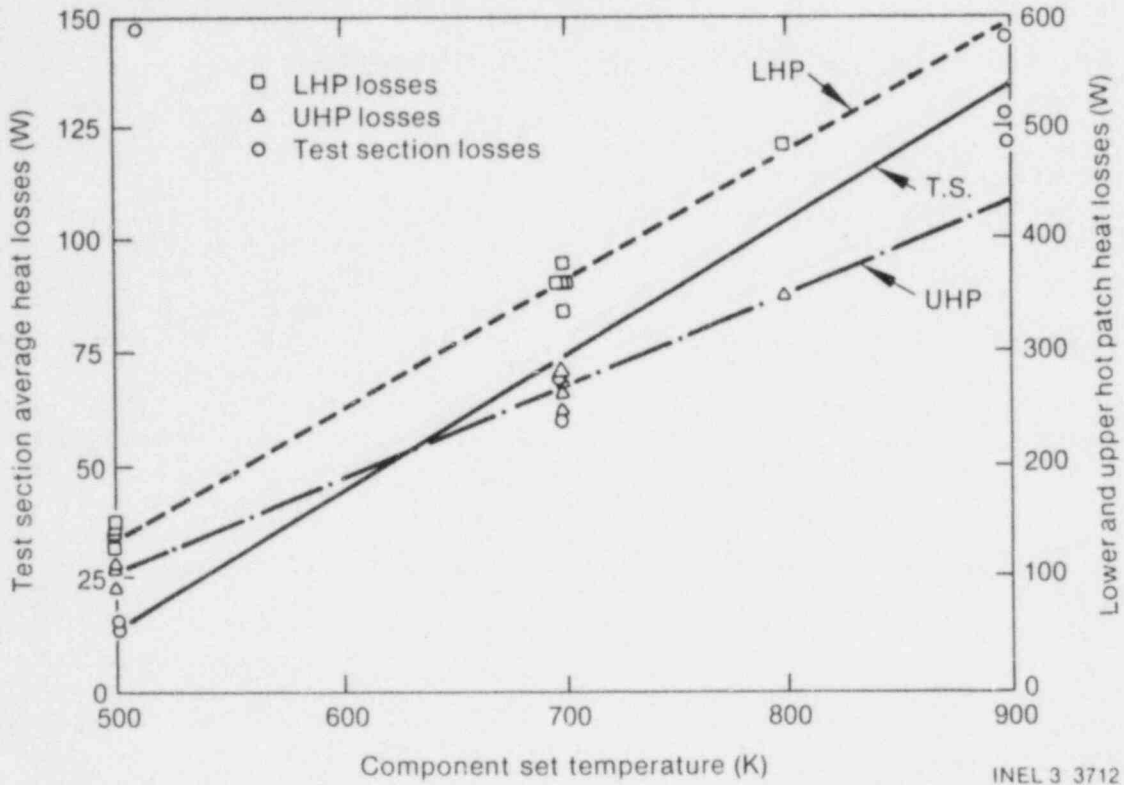


Figure I-1. Measured heat losses versus component temperature.

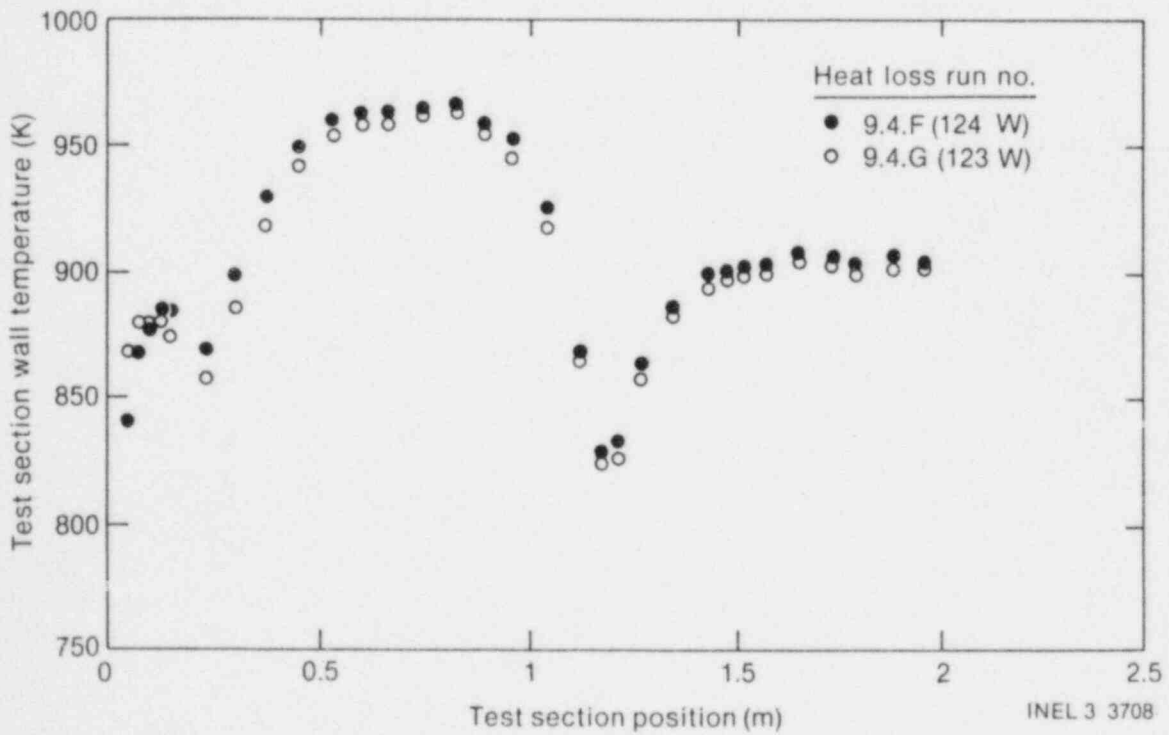


Figure I-2. Test section temperature distribution during high-temperature heat loss test.

Figure I-2 was performed. Assuming that the heat loss process was dominated by one-dimensional radial heat flow through the insulation, a simplified analysis was performed to determine the effect of the vapor probes on the lower wall temperature in the upper portion of the test section. Simple, worst-case calculations of axial conduction out the vapor probes were made, in which a complete temperature drop to ambient environmental temperature, T_{amb} , was assumed over the insulated length of the probe line. For all the probes, the total power loss was found to be less than 0.05 W. Hence, the temperature depression of the upper portion of the test section is primarily attributed to decreased electrical resistance at the vapor probe locations.

The heat flux, q , flowing out the insulation, assuming constant thermal conductivity, k , and an external heat transfer coefficient, h , is given by

$$q = \frac{T_{wall} - T_{amb}}{\frac{\ln(d_o/d_i)}{2\pi k} + \frac{1}{\pi d_i h}} \quad (I-1)$$

The test section can be divided into several segments along its length so that the test section heat loss power is given by

$$P_{T.S.} = \sum_{j=1}^n q_j A_j \quad (I-2)$$

where

$$A_j = \pi d_o L_j$$

Substituting Equation (I-1) into (I-2) and reducing the results yields an expression for T_{amb} given by

$$T_{amb} = \frac{1}{L_{T.S.}} \left(\sum_{j=1}^n T_{wall,j} L_j \right) - P_{T.S.} \left[\frac{\ln(d_o/d_i)}{2\pi k} + \frac{1}{\pi d_i h} \right] \quad (I-3)$$

Substituting the appropriate values from Figures I-1 and I-2 yields $T_{amb} \approx 370$ K. Substituting this value back into Equation (I-1) for each segment then yields an approximate heat flux of 1.14 kW/m² over the high temperature segment, and 1.03 kW/m² over the

segment where the vapor probes are located. Thus, the vapor probes represent an 11% average decrease in the local electrical resistance.

A second check on the approximate value of this average decrease in resistance can be found by first observing the approximate length of the constant temperature segment of the upper test section temperature depression (75 cm). If the vapor probes reduced the resistance of the tube to zero at each of their axial locations, the maximum decrease in resistance possible over this 75-cm segment of the test section would be 12.5%. This value is in good agreement with the previously calculated average value of 11%. These factors indicated, then, that the temperature depression of the upper end of the test section was most likely caused by a decrease in electrical resistance, created by the presence of the vapor probes.

In order to add further confidence to the vapor probe effect, the effect of the gamma sources was investigated at the 22.9-cm level temperature depression. Considering Figure I-3, an energy balance yields

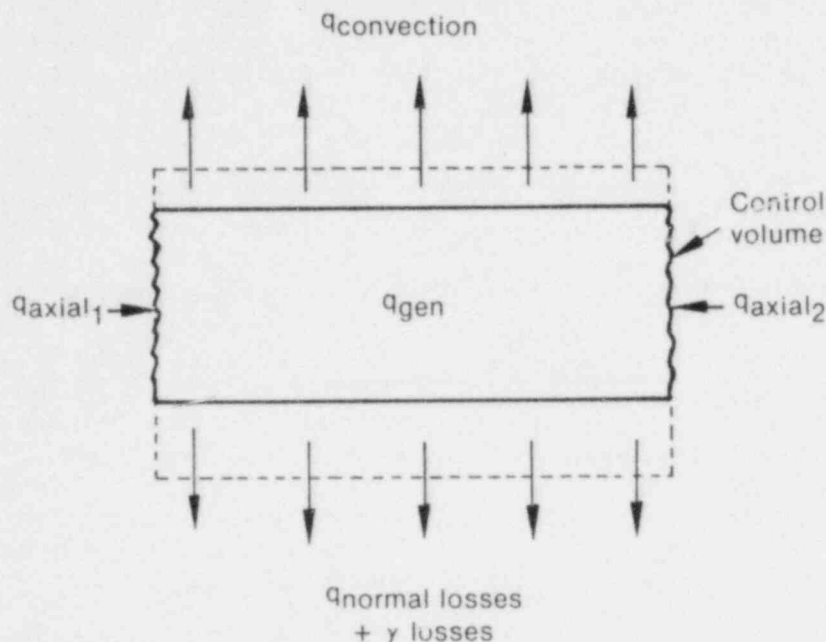
$$q_{normal\ losses} + \gamma\ losses = (q_{axial\ 1} + q_{axial\ 2}) \frac{A_{axial}}{A_{surface}} + q_{hot\ segment} \quad (I-4)$$

where

$q_{normal\ losses} + \gamma\ losses$ represents the combined loss due to the normal heat losses plus the losses due to the γ source.

Approximating the two axial conduction heat fluxes, $q_{axial\ 1}$ and $q_{axial\ 2}$, from Figure I-2 yields 3 kW/m² and 5.5 kW/m², respectively, and $q_{hot\ segment}$ is the heat flux previously calculated for the hotter portion of the test section given by 1.14 kW/m². Thus, $q_{normal\ losses} + \gamma\ losses$ is calculated to be 1.32 kW/m², or approximately 16% higher than the normal heat losses without the gamma-densitometer source.

To provide a further check on these separate factors, the local temperature depression at the first vapor probe at 121.9 cm can be calculated using the combined effects of a reduced electrical resistance, due to the presence of the vapor probe, and increased losses, due to the source. Again, applying an energy balance yields



INEL 3 3713

Figure I-3. Free body diagram for energy balance.

$$\frac{T_{wall} - T_{amb}}{\frac{\ln(d_o/d_i)}{2\pi k} + \frac{1}{\pi d_i h}} = q_{generated} - q_{loss}$$

reduced electrical γ -source

$$= (1.03 - 0.19 \text{ kW/m}^2) \quad (I-5)$$

Using the appropriate test section properties and dimensions yields an approximate wall temperature of 800 K. This is in reasonable agreement with the temperature depression shown in Figure I-2 and adds confidence to the estimated separate loss effects.

I-2. Transient Heat Losses

Heat losses from the test section during the quasi-steady-state experiments are discussed in this section. During these experiments, the temperature of the test section wall and the temperature gradient in the surrounding fiberfrax insulation underwent a thermal transient, so that the heat transfer between the test section and insulation could vary in both direction and magnitude for a given transient. Therefore, the steady-state heat losses described in the previous section do not apply for the quasi-steady-state experiments. However, the effect of the decrease in test section electric

resistance due to the vapor probes remains valid and has been included in the analysis of the quasi-steady-state test runs. An analysis, described in the following paragraphs, was conducted to bound the magnitude of the heat transfer rates between the test section and the insulation. The results showed that the heat transfer rates were generally less than the steady-state heat losses at a given test section wall temperature. Since it would not be feasible to calculate the local heat transfer rates between the test section and insulation with time for each quasi-steady-state experiment, this value was assumed to be zero for all of these experiments, with the upper bound on the estimated heat transfer rates being included in the uncertainty in test section wall heat fluxes reported in Appendix H. This uncertainty ($\sim 2 \text{ kW/m}^2$) is significantly higher ($\sim 8\%$) for low-power experiments than for the high-power experiments ($< 1\%$).

To determine the general effects of the heat losses on the experiment, it is useful to first observe the various effects they may produce. Writing an energy balance on a segment of cladding, similar to that shown in Figure I-3, in terms of heat flux and neglecting the effects of axial conduction, produces

$$q_{gen} \left(\frac{d_o^2 - d_i^2}{4d_i} \right) - q_{conv} - q_{losses} \left(\frac{d_o}{d_i} \right)$$

$$= \rho C \frac{dT}{dt} \left(\frac{d_o^2 - d_i^2}{4d_i} \right) \quad (I-6)$$

This may be rewritten in terms of the rate of change of the wall temperature so that

$$\frac{dT}{dt} = \frac{1}{\rho C} \left[q_{\text{gen}} - q_{\text{conv}} \left(\frac{4d_i}{d_o^2 - d_i^2} \right) - q_{\text{losses}} \left(\frac{4d_o}{d_o^2 - d_i^2} \right) \right] \quad (I-7)$$

Study of dT/dt is important because it determines the stored energy term given in Appendix F.

Considering initially the case with no losses, one obtains

$$\left. \frac{dT}{dt} \right|_{q_{\text{losses}} \equiv 0} < 0 \text{ if } q_{\text{gen}} < q_{\text{conv}} \left(\frac{4d_i}{d_o^2 - d_i^2} \right) \quad (I-8)$$

or

$$\left. \frac{dT}{dt} \right|_{q_{\text{losses}} \equiv 0} > 0 \text{ if } q_{\text{gen}} > q_{\text{conv}} \left(\frac{4d_i}{d_o^2 - d_i^2} \right) \quad (I-9)$$

These results indicate the obvious conclusion that, if more energy is supplied than is removed by convection, the test section wall temperature increases with time and decreases if the opposite is true. If one investigates further, the case with less heat generated than removed convectively, i.e.,

$$q_{\text{gen}} < q_{\text{conv}} \left(\frac{4d_i}{d_o^2 - d_i^2} \right) \text{ produces} \quad (I-10)$$

$$\left. \frac{dT}{dt} \right|_{q_{\text{losses}} > 0} < \left. \frac{dT}{dt} \right|_{q_{\text{losses}} \equiv 0}$$

for heat lost into the insulation, and

$$\left. \frac{dT}{dt} \right|_{q_{\text{losses}} \equiv 0} < \left. \frac{dT}{dt} \right|_{q_{\text{losses}} > 0} \quad (I-11)$$

for heat into the test section from the insulation. These combine, then, to yield

$$\left. \frac{dT}{dt} \right|_{q_{\text{losses}} > 0} < \left. \frac{dT}{dt} \right|_{q_{\text{losses}} \equiv 0} < \left. \frac{dT}{dt} \right|_{q_{\text{losses}} < 0} \quad (I-12)$$

$$\text{when } q_{\text{gen}} < q_{\text{conv}} \left(\frac{4d_i}{d_o^2 - d_i^2} \right) \quad (I-13)$$

Similarly,

$$\left. \frac{dT}{dt} \right|_{q_{\text{losses}} > 0} < \left. \frac{dT}{dt} \right|_{q_{\text{losses}} \equiv 0} < \left. \frac{dT}{dt} \right|_{q_{\text{losses}} < 0}$$

$$\text{when } q_{\text{gen}} > q_{\text{conv}} \left(\frac{4d_i}{d_o^2 - d_i^2} \right) \quad (I-14)$$

These losses from the wall to the insulation cause heatups to be slower and cooldowns to be faster, whereas heat from the insulation to the wall causes cooldowns to be slower. The case of heat from the insulation during a heatup is not practical for these experiments.

The quasi-steady-state experiments described in Appendix B were conducted by heating the test section to an intermediate temperature (800 to 900 K) prior to initiating flow through the test section. This condition was sustained for at least 10 min, so that a nearly steady-state temperature gradient in the fiberfrax insulation was obtained. At the start of an experiment, the test section power was reset to the desired level, and the temperature was reset to 1150 K. During this heatup, the heat loss from the test section wall to the insulation increased and, as noted above in Equation (I-14), caused the heatup to be slower than if no losses were present. When the test section wall reached 1075 to 1100 K, about 50 s after the start of heatup, the test section flow

was initiated. At this point, the test section wall began to cool, with the cooldown rate being primarily controlled by the heat flux to the coolant on the inside of the test section wall [see Equation (I-7)]. Cooldown rates varied from about 0.3 to about 3.6 K/s, depending on the flow rate and power used for a given test run. Depending on the test section cooldown rate, the wall temperature could be higher or lower than the adjacent insulation, so that heat could flow either to or from the insulation, and the heatup or cooldown rates were influenced according to Equations (I-13) and (I-14).

To better quantify the effects of the losses, a model of the insulation was set up and calculations were performed using the HEAT1 computer code¹⁻¹ to determine the heat transfer rates between the test section and the insulation for the two bounding cases mentioned above. HEAT1 is a one-dimensional transient heat conduction program in which temperature-dependent material properties and time-dependent boundary conditions can be used. The model consisted of 41 radial nodes in a cylindrical geometry, where the left boundary was the inner radius of the insulation (or water radius of the test section) and the right boundary was the outer radius of the insulation. A zero contact resistance between the test section and insulation was assumed; therefore, the time-dependent temperature of the test section was the boundary condition on the left boundary of the model. A heat transfer coefficient of $5.68 \text{ W/cm}^2\text{-K}$ was assumed on the right boundary, with an ambient temperature of 300 K. The actual thermal conductivity of the insulation was determined from the steady-state heat loss experiments, in order to match the measured loss of 0.98 kW/m^2 at 900 K. It was found that an effective thermal conductivity of the fiberfrax of 59% of the manufacturer's values (listed in Appendix A) was required to predict the measured steady-state heat losses.

To begin the calculation, a test section wall temperature of 900 K was assumed, and the steady-state temperature distribution in the insulation was calculated. The test section wall was then assumed to heat up, at a rate of 3.5 K/s, to 1075 K in 50 s. For a realistic calculation, the actual test section cooldown rate from test Run 102, ranging from 0.2 to 2 K/s, was used for the left boundary condition. The temperature distributions at various times during the transient are plotted in Figure I-4. It can be seen that heat flowed from the test section to the insulation early in the transient, whereas the trend

was reversed after about 300 s into the transient. During the time that a quench front was in the test section where data points were obtained (after about

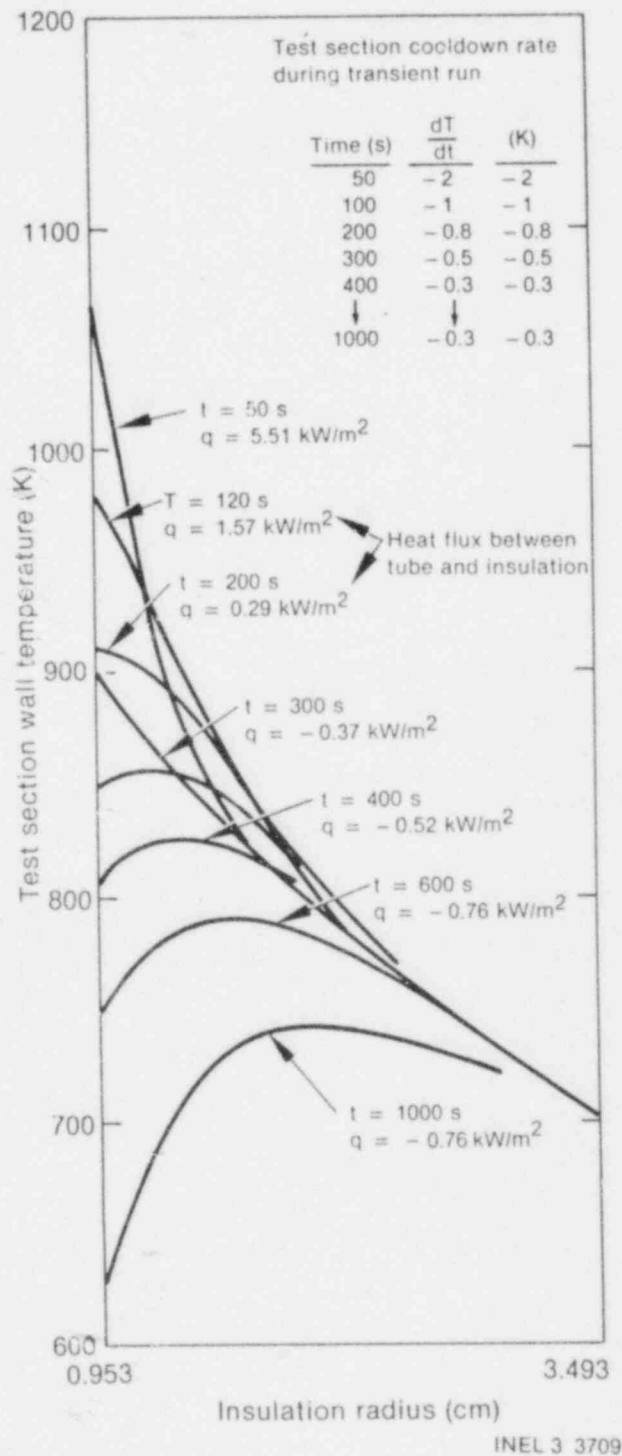


Figure I-4. Sample transient temperature distribution in insulation using boundary conditions typical of Test Run 102.

120 s), the heat loss from the test section varied from 1.57 to -0.76 kW/m². This can be compared to a steady-state heat loss of 0.98 kW/m², when the test section wall temperature is 900 K. However, more important is the fact that, compared to the average nominal heat flux of 43 kW/m² calculated for this test, the maximum heat loss at about 120 s is less than 4% of the total heat flux, and by 200 s it has decreased to less than 0.7%. This indicates that care must be exercised in the selection of data during the early part of the quasi-steady-state runs, to ensure that heat losses have not influenced the calculated heat flux. See Appendix B for more information on the influence of q_{losses} on the selection of data points.

To further investigate this point, two other sample calculations were made, representing the maximum and minimum cooldown rates observed during the experiments. Results for a constant test section cooldown rate of 0.36 K/s are shown in Figure I-5. In this case, heat always flows from the test section to the insulation. Heat losses range from 5.5 to 1.1 kW/m² over a 550-s time interval. Similarly, results for a constant test section cooldown rate of 3.6 K/s are shown in Figure I-6. Heat losses range from 5.5 to -1.65 kW/m², over a 130-s time interval. One general conclusion to be drawn from all these calculations is that when the test section has cooled to a value less than or equal to its initial temperature, heat is transferred from the insulation to the test section.

On the basis of the above results and the data selection procedure (see Section 4 of the main text) for the quasi-steady-state runs analyzed, it is estimated that the upper limit on heat transfer rates between the test section and insulation is less than 2 kW/m². Since no heat transfer between the test section and insulation was assumed in the data reduction analysis of the quasi-steady-state experiments due to their transient nature, the value of 2 kW/m² is included in the uncertainty of the test section heat fluxes reported in Appendix H.

Reference

- I-1. Q. J. Wagner and L. C. Richardson, *HEAT-1, A Program for the Numerical Solution of the One-Dimensional Steady-State or Transient Heat Conduction Problems*, unpublished Aerojet Nuclear Company Report, August 1968.

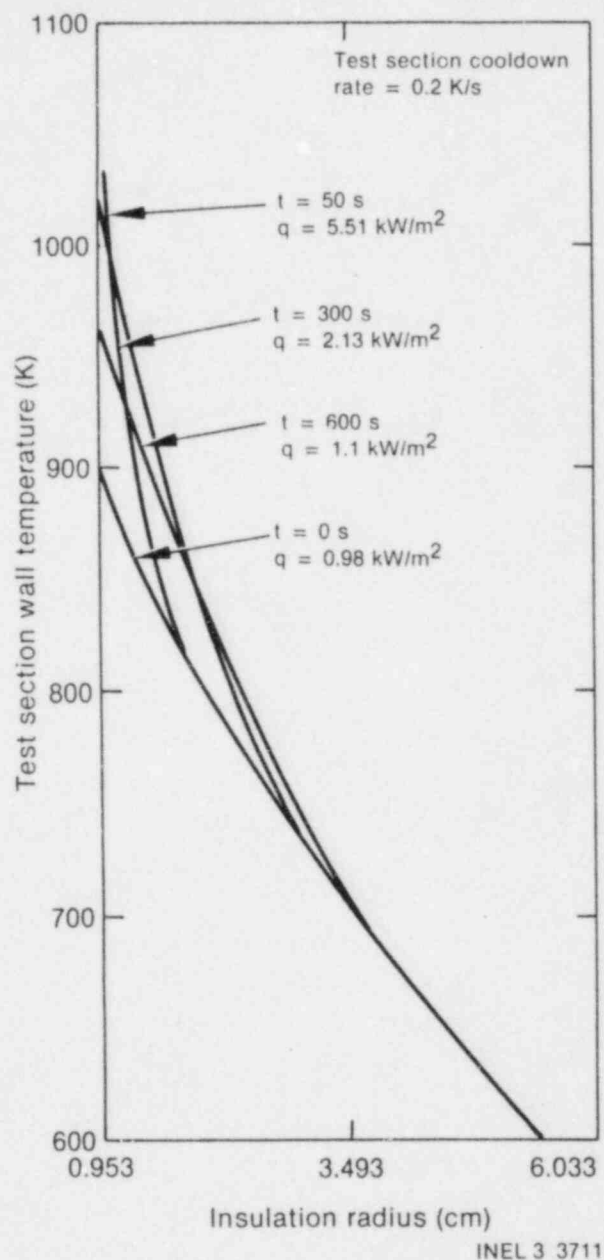


Figure I-5. Sample transient temperature distribution in insulation using minimum cooldown rate experienced by test section.

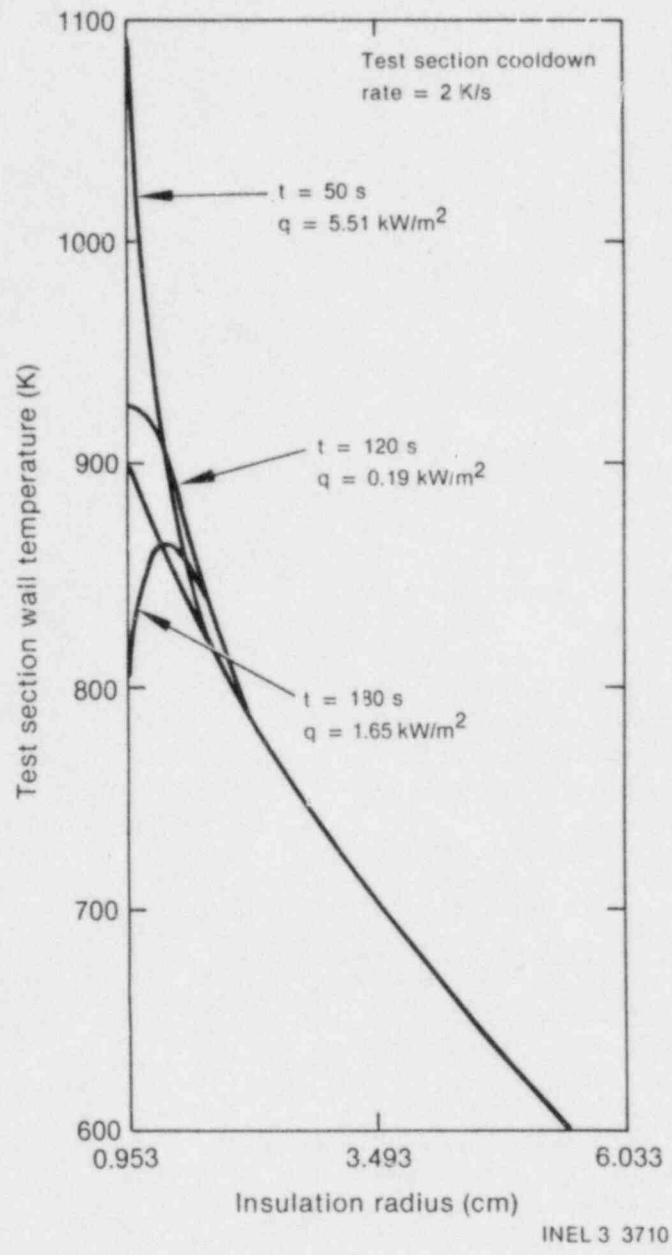


Figure I-6. Sample transient temperature distribution in insulation using maximum cooldown rate experienced by test section.

**APPENDIX J
MEASUREMENTS LIST CHRONOLOGY**

APPENDIX J MEASUREMENTS LIST CHRONOLOGY

During the course of the post-CHF experiment program, several changes were made in the location of various test section wall thermocouples and their identification numbers. The following is a description of these changes, as well as a list of the instruments that may have failed during the course of the experiment and other anomalies.

Lower hot patch thermocouple TE-LHP-2 was failed for the entire duration of the experiment.

Following the inadvertent overheating of the lower hot patch between test Runs 35 and 36, lower hot patch thermocouple TE-LHP-1 failed, due to a broken thermocouple wire that could not be repaired.

Also between Runs 35 and 36, the lower hot patch slipped down 12.7 mm on the test section, thus increasing the distance of each test section wall thermocouple from the lower hot patch by that amount. Test section wall thermocouple TE-TS-05 was moved 12.7 mm closer to the lower hot patch, making it still 12.7 mm from the lower hot patch. The thermocouple identification number remained the same.

Following Run 63, the test section was raised 3.81 cm relative to the test stand, to accommodate repositioning the densitometer source and the brackets which limited transverse motion of the test section. Thermocouple TE-TS-42 was relocated to the 105.41-cm axial level and was renamed TE-TS-41.5. Thermocouple TE-TS-47 was relocated directly opposite the first vapor probe at the 121.92-cm axial level and was renamed TE-TS-48A. Thermocouple TE-TS-51 was relocated to the 130.81-cm level and was renamed TE-TS-51.5. Thermocouple TE-TS-1 was relocated to the 3.81-cm

axial level, directly under the lower pressure tap on the test section, to determine whether the pressure tap had any influence on the quenching of the test section; it was later determined that it did not. Thermocouple TE-TS-1 maintained the same identification throughout the test program. The axial elevations just listed refer to the distance from the thermocouples to the original position of the lower hot patch and do not include the additional 12.7 mm caused by slippage of the lower hot patch between Runs 35 and 36.

Thermocouple TE-TS-81 did not function properly during Runs 64 through 77.

The leads for vapor probe TE-V-1 were hooked up incorrectly for Runs 64 through 116. A calibration test was performed to allow a correction to the raw data for these test runs, and the reduced data given in Appendix D are correct values.

Pressure measurements PE-TS-I and PE-TS-O were plotted as gauge pressure in the raw data plots up to and including Run 134; they were plotted as absolute pressure for Runs 135 through 247.

A 0.508-mm-diameter thermocouple wire was placed in vapor probe TE-V-2 for Runs 148 through 156. The response of the thermocouple was noticed to be slower than with the 0.254-mm-diameter wire, so it was replaced with a 0.254-mm-diameter thermocouple following Run 156.

Vapor probes TE-V-2 and TE-V-3 were plugged and not used for Runs 175 through 247.

Vapor probe TE-V-1 had a 0.508-mm-diameter grounded thermocouple installed in it for Runs 235 through 247, since no other 0.254-mm-diameter thermocouples were available for replacements.

APPENDIX K
DESCRIPTION OF SUBROUTINES IN DATA REDUCTION PROGRAM

APPENDIX K

DESCRIPTION OF SUBROUTINES IN DATA REDUCTION PROGRAM

K-1. Subroutine SETUP

Subroutine SETUP is the first subroutine called in the data reduction program DTARED. All necessary data are read in, and bookkeeping is performed. Data are read in from two sources; the first is input by the user on file INPT___ as follows:

- IDNO - Experiment identification number
- LINDX - Heat loss index ABCD
 where
 A = 1 for reduced heat generation around probes
 B = number of point losses
 C = 1 for calculation of tube heat losses
 D = 1 to include lower hot patch power with associated losses.
- NTC - Number of thermocouples
- NVTP - Number of vapor probes
- IORF - Orifice number to be used for flow calculation
- ICHAN - Input channel number where IORF is located
- HL - Test section heated length (m)
- AMETAL - Cross-sectional area of metal in test section (m²)
- AFLOW - Cross-sectional flow area in test section (m²)
- TID - Test section inside diameter (m)
- IQRF - Qualitative rating factor—numbered from 1 to 5
- STRTM - Start time for data reduction

- ENDTM - End time for data analysis
- Z(I) - Axial distance from test section inlet to each thermocouple (m)
- ZP(K) - Axial distance from test section inlet to each vapor probe (m).

If column "B" of LINDX is greater than 0, then read in point loss data

- ELOSS - Elevation of point loss (m)
- DZLOSS - Length of point loss (m)
- RLOSS - Magnitude of loss—percent of steady-state loss.

The second source of input data comes from file FIX___, which is the averaged measured experimental data. The following data are input for the entire duration of the experiment.

- TM(J) - Time (s)
- T(J,I) - Thermocouple temperatures (K)
- TVP(J,K) - Vapor probe temperatures (K)
- V(J) - Test section voltage (V)
- AMP(J) - Test section current (A)
- DPORI(J) - Flow orifice pressure drop (kPa)
- VLHP(J) - Lower hot patch voltage (V)
- ALHP(J) - Lower hot patch current (A)
- PRES(J) - Test section pressure (MPa)
- PLP(J) - Loop pressure (MPa)
- TLP(J) - Loop fluid temperature (K)
- TLHP(J) - Temperature in lower hot patch (K)
- TFCV(J) - Temperature of fluid at flow control valve (K).

All of the input data are then printed.

Tube segment lengths are defined based on the number and location of the operating thermocouples for that test. The upper and lower segment boundary elevations are defined as midway to the adjacent thermocouple, except for the top and bottom segments, where the bottom segment starts at the tube inlet and the top segment extends to the top of the tube. The tube segment associated with each vapor probe is also defined.

K-2. Subroutine QFRONT

The thermocouple quench times, the corresponding quench front elevation, and the resulting quench front velocity are determined in QFRONT for the duration of the experiment. The quench time is defined as that at which the rate of temperature decrease (dT/dt) is maximum once the rate has exceeded 10 K/s. The cooldown rate is calculated by fitting a quadratic curve through the temperatures over a 3-s interval and evaluating the appropriate derivative at the desired time. The elevation and velocity of the bottom-up quench front were calculated as a function of time from the quench time information. The wall temperatures at the time of quench were determined for each thermocouple location. A summary of the quench front information is printed.

K-3. Subroutine TUBEIN

Subroutine TUBEIN defines the inlet conditions to the test section.

The test section flow is found from the orifice pressure differential and the water properties using

$$\dot{m} = \text{COEF} \sqrt{\rho \Delta P} \quad (\text{K-1})$$

where

- \dot{m} = mass flow
- COEF = orifice coefficient
- ρ = fluid density (kg/m^3)
- ΔP = orifice differential pressure (kPa).

Two different orifices were used, each having three pressure drop transducers with different ranges;

consequently, the proper coefficient was selected for each run. The coefficients are as follows:

Orifice Pressure Drop Transducer Number	Coefficient, COEF
1	1.453×10^{-4}
2	1.441×10^{-4}
3	1.419×10^{-4}
4	2.400×10^{-5}
5	2.436×10^{-5}
6	2.360×10^{-5}

The subcooled density is found by calling the ASME steam table routines using the measured loop temperature (TE-LOOP) and measured loop pressure (PE-3). The mass flux is calculated by dividing the mass flow rate by the cross-sectional flow area.

The enthalpy of the fluid entering the lower hot patch is found from the steam tables using the loop pressure (PE-3) and the measured temperature at the flow control valve (TE-FCV-1).

The power input to the lower hot patch is calculated from the measured voltage and current; however, during the quasi-steady-state experiments, the temperature of the lower hot patch was maintained at saturation temperature and no net heat transfer to the fluid was assumed. Consequently, the test section inlet conditions were assumed to be the same as those of the inlet to the lower hot patch.

For the steady-state runs, the heat added from the lower hot patch is accounted for as follows

$$Q_{\text{LHP}} = A_{\text{LHP}} \times V_{\text{LHP}} - [0.9(T_{\text{LHP}} - 300)] \quad (\text{K-2})$$

where

- Q_{LHP} = total power input (W)
- A_{LHP} = lower hot patch current (LHP-AMPS) (A)
- V_{LHP} = lower hot patch voltage (LHP-VOLTS) (V)

T_{LHP} = lower hot patch temperature (TE-LHP-3) (K).

The term in brackets represents the heat loss from the lower hot patch to the environment, as presented in Appendix I. The test section inlet enthalpy is then calculated. A check is made to determine whether the fluid is saturated or subcooled at the test section inlet. If it is subcooled, the inlet temperature is found from the steam tables, using the test section pressure and the calculated inlet enthalpy.

K-4. Subroutine QTUBE

Subroutine QTUBE calculates the power from the test section to the fluid for each tube segment. A simple heat balance on a tube segment yields

$$Q_{gen} - Q_{acon} - Q_{loss} - Q_{conv} = Q_{acc} \quad (K-3)$$

where

Q_{gen} = heat generated in tube wall

Q_{acon} = heat into segment via axial conduction

Q_{loss} = heat lost to environment

Q_{conv} = heat transferred to fluid across tube wall via convection

Q_{acc} = heat accumulation in tube wall.

Solving for the convective heat transfer to the fluid,

$$Q_{conv} = Q_{gen} + Q_{acon} - Q_{loss} - Q_{acc} \quad (K-4)$$

Each term on the right side of the above equation is evaluated in separate subroutines called from QTUBE.

The inside tube wall temperature (TI) is calculated as

$$TI = T - \left(\frac{1.8 \times 10^{-6} Q_{gen}}{A_{metal} \Delta Z k} \right) \quad (K-5)$$

K-5. Subroutine QG

Subroutine QG calculates the heat generated within each tube wall segment as a result of the voltage applied across the test section.

The total power generated in the tube is the voltage times the current. Because of the location of the voltage taps, an additional voltage drop in the connector was included as part of the reading. Consequently, a voltage correction was made as follows:

$$V_{CORRECTED} = RTS / (RTS + 0.002) \quad (K-6)$$

where

$$RTS = 0.02957 * \frac{RREF}{R1000}$$

RREF = tube resistance at average tube temperature

R1000 = tube resistance at 1000 K.

The resistivity of Inconel 625 is included in tabular form as a function of temperature in subroutine INCRES and is found by interpolation between values. The average temperature is found by summing the product of each segment temperature and segment length and then dividing by tube length.

The heat generated in each tube segment is given by

$$Q_{gen} = (VOLT \cdot AMP) (\Delta Z / HL) (R / RREF) \quad (K-7)$$

where

VOLT = corrected voltage across test section

AMP = current through test section

ΔZ = segment length

HL = test section heated length

R = Inconel resistivity at temperature of segment

RREF = Inconel resistivity at average tube temperature.

If the tube segment contains one of the vapor probes, and if index "A" of input VARIABLE LINDX is set to 1, the heat generation for that segment is reduced by the factor

$$(1 - 0.0032/\Delta Z).$$

This assumes no electrical resistance over the length where the probe is located.

K-6. Subroutine QC

Subroutine QC calculates the net change in energy of the tube segment as a result of conduction heat transfer to or from adjacent tube segments. The contribution to the convective flux from axial conduction is very small, except at the quench front, and even there it only amounts to a redistribution of the energy deposition to the fluid. Consequently, the axial conduction term was not used in the calculations of convective heat flux. However, the values were calculated, printed, and stored on tape, so that the magnitude of this term, relative to the convective term during the quenching transient, would be known.

The net transfer of heat to a segment ΔZ in length is given by

$$Q_{\text{cond}} = A_{\text{metal}} \Delta Z k \frac{\partial^2 T}{\partial Z^2} \quad (\text{K-8})$$

where

A_{metal} = cross-sectional area of the metal normal to heat flow

ΔZ = segment length

k = thermal conductivity.

For the tube segments away from the quench front, the second derivative is determined by fitting three points at a time with a quadratic fit and evaluating the first and second derivatives.

In the region of the quench front, it is assumed that the whole temperature field moves at the same speed as the quench front propagates, allowing the following formulation of the second derivative:

$$\frac{\partial^2 T}{\partial Z^2} = \frac{1}{U^2} \frac{\partial^2 T}{\partial t^2} \quad (\text{K-9})$$

where

U = quench front velocity,

and the time derivatives were obtained as outlined in subroutine SETUP.

K-7. Subroutine QL

Subroutine QL calculates the losses to the environment, if so selected by the user. There are two kinds of ambient losses considered in this subroutine; i.e., average losses from the whole test section and point losses, the magnitude and location of which are input by the user.

The heat loss algorithm included in the program actually applies only to steady state and was generally not used during analysis of the quasi-steady-state experiments.

$$Q_{\text{loss}} = -2.0852(T - 948.66) \pi \text{OD} \Delta Z \quad (\text{K-10})$$

This loss is used if index "C" of input variable LINDX is not zero.

Specific point losses are calculated if index "B" of variable LINDX is greater than zero. As many as five point losses can be accommodated. The user inputs the location and size of the loss and also what fraction of the steady-state losses are used for each loss. These losses were input to represent where brackets were attached to the tube and places where the insulation was limited for one reason or another. See Section 4.3 of the main text and Appendix I for a discussion of how the heat losses during the quasi-steady-state runs are represented.

K-8. Subroutine QA

Subroutine QA computes the net energy to or from the test section segment as the tube increases or decreases in temperature. The most dramatic effect occurs, of course, in the region of the quench front. There is also significant energy release due to the general cooldown of the test section.

The heat accumulation term is given by

$$Q_{acc} = A_{metal} \Delta Z \rho C dT/dt \quad (K-11)$$

with dT/dt evaluated as described for Subroutine SETUP.

The above formulation works well, except for the tube segment where the quench front is located. The initial assumption in this whole analysis was that each tube segment was adequately represented by the single thermocouple within that segment. Under that assumption, the whole segment quenches almost instantaneously, based on the thermocouple dT/dt . This results in a huge heat flux spike at the time each thermocouple shows a quench, separated by periods when the accumulation term is negligible. In reality, there is a fairly uniform quenching of the tube as the front moves up or down. In order to eliminate the spikes whenever the quench front is in the segment being considered, the accumulation term is formulated as follows:

$$Q_{acc} = A_{metal} U \Delta t \rho C (T_{PRE} - T_{OUT}) \quad (K-12)$$

where

U = quench front velocity

Δt = analysis time step (1 s)

T_{PRE} = temperature of the segment prior to quenching

T_{OUT} = segment temperature at the time the quench front leaves the tube segment.

This technique smoothed the accumulation term and made for a more realistic analysis. However, it was applied to only the bottom-up quench. Consequently, when a top-down quench occurred, there were still large calculated heat flux spikes in the top few segments. These influenced only the downstream volumes and do not affect any calculated results.

K-9. Subroutine BAL

Subroutine BAL calculates the local fluid conditions at each thermocouple and vapor probe location, based on the inlet conditions and the heat added to the fluid from the tube.

At the thermocouple locations, the equilibrium quality and void fraction are calculated as

$$XE = \frac{h - h_f}{h_{fg}} \quad (K-13)$$

$$VOIDE = \frac{XE}{XE + \frac{\rho_g}{\rho_f} (1 - XE)} \quad (K-14)$$

where

h = specific enthalpy of fluid

h_f = saturated liquid specific enthalpy

h_{fg} = heat of vaporization

ρ_g = saturated vapor density

ρ_f = saturated liquid density.

At the location of the vapor temperature probes, it is possible to calculate the actual quality as well. The actual void fraction is also calculated, assuming no slip between the liquid and vapor. The following equations are used:

$$XA = \frac{h_e - h_f}{h_v - h_f} \quad (K-15)$$

$$VOID = \frac{XA}{XA + \frac{\rho_v}{\rho_f} (1 - XA)} \quad (K-16)$$

where

h_e = specific enthalpy of fluid obtained from energy balance

h_v = specific enthalpy of vapor obtained from steam tables, using pressure and measured vapor temperature

ρ_v = density of vapor obtained from steam tables, using pressure and measured vapor temperature.

K-10. Utility Subroutines

The following subroutines were used to support the previously described major subroutines.

K-10.1 FIT. This subroutine calculates the coefficients A, B, and C and the first and second derivatives for a quadratic fit through any three points

where

$$Y = A + BX + CX^2$$

$$\frac{dY}{dX} = B + 2CX$$

$$\frac{d^2Y}{dX^2} = 2C.$$

K-10.2 INCRES. This subroutine calculates the electrical resistivity of Inconel 625 as a function of temperature by interpolating the following table:

Temperature (K)	R (ohm/cir mill/ft)
310.8	780.0
366.6	794.0
477.5	806.0
588.6	812.0
699.8	818.0
810.9	830.0
922.0	830.0
1033.1	824.0
1144.2	818.0
1256.3	812.0

K-10.3 TUBPROP. This subroutine contains equations for the physical properties of Inconel 625 as a function of temperature.

$$\text{Thermoconductivity: } k = \frac{0.2 T + 50}{12.0} \text{ W/m} \cdot \text{K}$$

$$\text{Density: } \rho = 8440.0 \text{ kg/m}^3$$

$$\text{Heat Capacity: } C = 0.24 T + 344.0 \text{ J/kg} \cdot \text{K}.$$

APPENDIX L
TRAC-PD2/MOD1 HEAT TRANSFER LOGIC

APPENDIX L TRAC-PD2/MOD1 HEAT TRANSFER LOGIC L-1

The liquid heat transfer coefficient (HTC) is given by

$$h_L = h_r \left(\frac{T_w - T_s}{T_w - T_L} \right) + h_{df} \quad (L-1)$$

where

$$h_r = (1 - \alpha) \sigma \epsilon \left(\frac{T_w^4 - T_s^4}{T_w - T_s} \right),$$

σ is the Stefan-Boltzmann constant, and ϵ is the wall emissivity. The liquid absorptivity is 1.0.

The dispersed flow HTC, h_{df} , uses the Forslund and Rohsenow equation,^{L-2} modified by multiplying $(1 - \alpha)$ by the fraction of liquid entrained, E , and is set equal to zero if $(1 - \alpha)E > 0.05$.

$$h_{df} = 0.2 c_1 [(1 - \alpha)E]^{0.6667} \text{BRAC}^{0.25} \left(\frac{T_w - T_s}{T_w - T_L} \right), \quad (L-2)$$

where

$$c_1 = 1.2760$$

$$\text{BRAC} = \frac{g \rho_L \rho_g h'_{Lg} k^3}{(T_w - T_s) \mu_g d_{\text{drop}}}$$

$$d_{\text{drop}} = \frac{We \sigma}{\rho_g (V_g - V_L)^2}$$

$$We = 4.0. \quad (L-3)$$

The droplet diameter is restricted to the range,

$$1.0 \times 10^{-4} \leq d_{\text{drop}} \leq 3.0 \times 10^{-3}.$$

The fraction of liquid entrained is found in the following manner,

$$E = 0, \text{ if } |V_g| \leq V_E,$$

or

$$E = 1.0 - \exp 0.23[|V_g| - V_E], \quad (L-4)$$

if $|V_g| > V_E,$

where the entrainment velocity is

$$V_E = 3.65 \left[\frac{(\rho_L - \rho_g) \sigma}{\rho_g} \right]^{1/4}, \quad (L-5)$$

and E is restricted to values between 0.07 and 1.0.

The vapor heat transfer coefficient is given by

$$h_g = \max(h_{fbb}, h_{nc}, h_{DR}). \quad (L-6)$$

The Bromley film boiling HTC is h_{fbb} ,^{L-3}

$$h_{fbb} = 0.62 \left[\frac{\rho_g k_g^3 (\rho_L - \rho_g) g h'_{Lg}}{\mu_g (T_w - T_s) \lambda} \right]^{1/4}, \quad (L-7)$$

where the characteristic length, λ , is

$$\lambda = 2\pi \left[\frac{\sigma}{g(\rho_L - \rho_g)} \right]^{1/2}. \quad (L-8)$$

The latent heat of vaporization is modified, as suggested in Reference L-4,

$$h'_{Lg} = h_{Lg} + 0.5 C_g (T_w - T_s). \quad (L-9)$$

The turbulent natural convection equation^{L-5} used in this heat-transfer regime is

$$h_{nc} = 0.13 k_g \left(\frac{\rho_g^2 g |T_w - T_g|}{\mu_g^2 T_g} \right)^{0.333} \text{Pr}_g^{0.333}.$$

$$(L-10)$$

The forced convection equation is based on Dougall and Rohsenow's modification^{L-6} to the Dittus-Boelter equation^{L-5}:

$$h_{fc} = 0.023 \frac{k_g}{D_h} \left\{ \frac{\rho_g [c |V_g| + (1 - \alpha) |V_L|] D_h}{\mu_g} \right\}^{0.8} \left(\frac{\mu_g C_g}{k_g} \right)^{0.4} \quad (L-11)$$

where the Reynolds number is modified to reflect the volumetric flow rate of the two-phase mixture.

As in the previous heat-transfer regimes, linear interpolation is used for $\alpha > \alpha_c$.

The total heat flux q is given by

$$q = h_L (T_{wall} - T_{sat}) + h_g (T_{wall} - T_{vapor}) \quad (L-12)$$

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- L-1. TRAC-PD2, *An Advanced Best-Estimate Computer Program for Pressurized Water Reactor Loss-of-Coolant Accident Analysis, Draft*, Los Alamos National Laboratory.
- L-2. R. P. Forslund and W. M. Rohsenow, "Dispersed Flow Film Boiling," *Journal of Heat Transfer*, 90, November 1968, pp. 399-407.
- L-3. L. A. Bromley, "Heat Transfer in Stable Film Boiling," *Chemical Engineering Progress*, 46, May 1950, pp. 221-227.
- L-4. S. S. Kutateladze, "Heat Transfer During Film Boiling," in *Heat Transfer in Condensation and Boiling*, Atomic Energy Commission Report AEC-TR-3770, 1952.
- L-5. W. H. McAdams, *Heat Transmission*, Third Edition, New York: McGraw-Hill Company, 1954.
- L-6. R. S. Dougall and W. M. Rohsenow, *Film Boiling on the Inside of Vertical Tubes With Upward Flow of the Fluid at Low Qualities*, Massachusetts Institute of Technology Mechanical Engineering Report 9079-26 (1963).

**APPENDIX M
RESIDUAL PLOTS**

APPENDIX M RESIDUAL PLOTS

Residual plots for the following heat transfer correlations for the listed variables are presented on the microfiche attached to the inside back cover of this report.

Correlation	Variables
Dittus-Boelter	Pressure
Dougall-Rohsenow (saturated)	Mass flux
Dougall-Rohsenow (superheated)	Distance from CHF
CSO	Wall temperature
Groeneveld 5.7	Heat flux
Condie-Bengston IV	Vapor temperature
TRAC-PD2/MOD1 package	Equilibrium quality
	Actual quality
	Experiment run number

Figures M-1 through M-6 are residual plots for the Webb vapor generation correlation. Figures M-7 through M-12 are residual plots for the modified Saha vapor generation correlation.

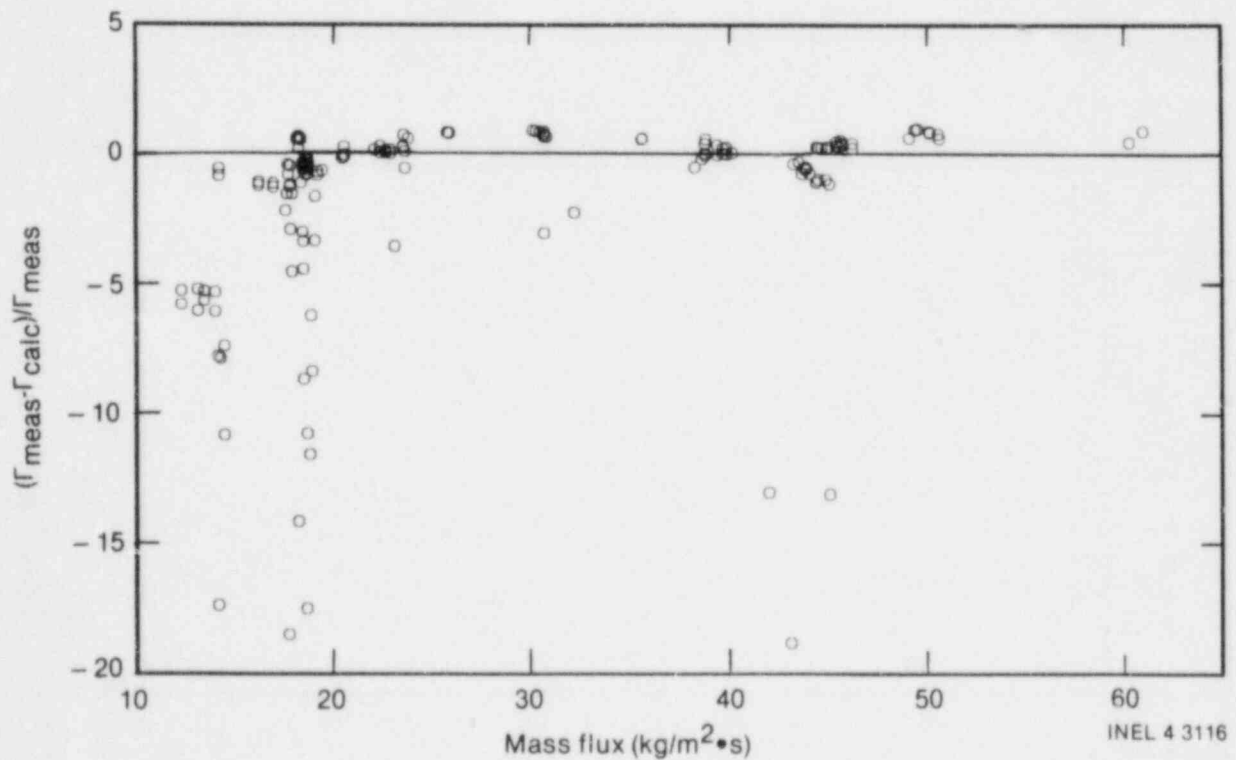


Figure M-1. Mass flux residual for Webb correlation.

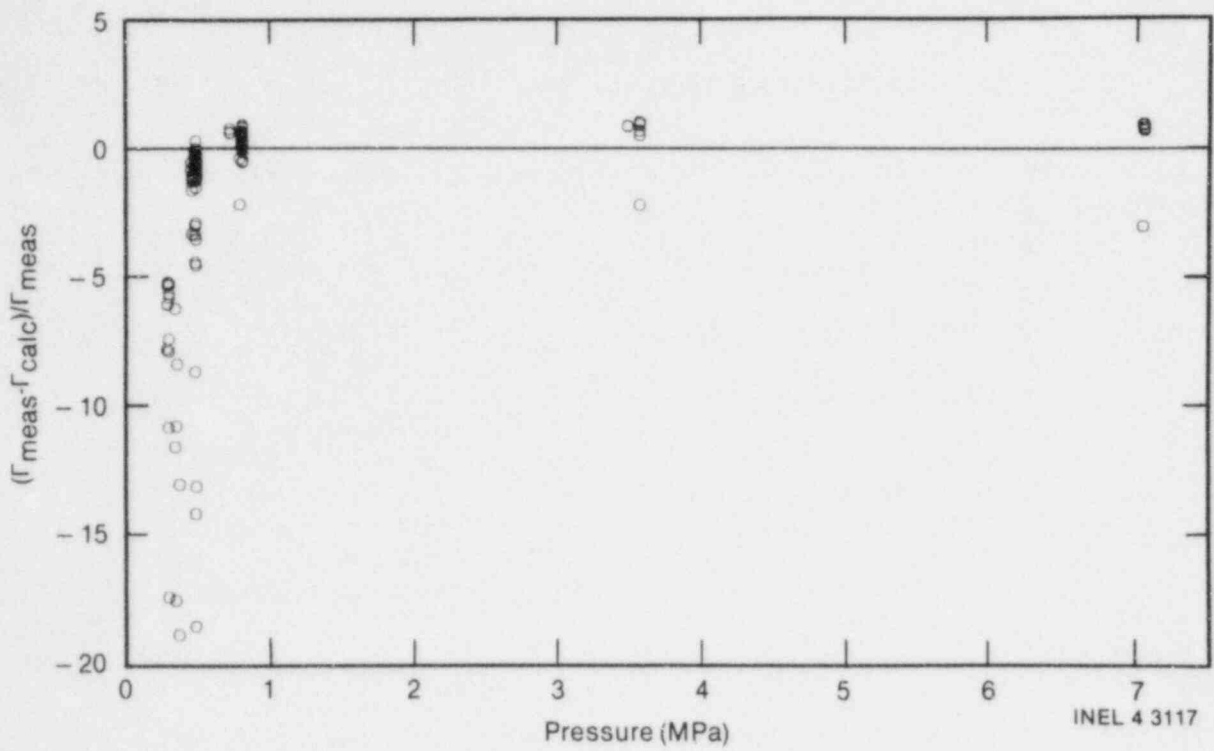


Figure M-2. Pressure residual for Webb correlation.

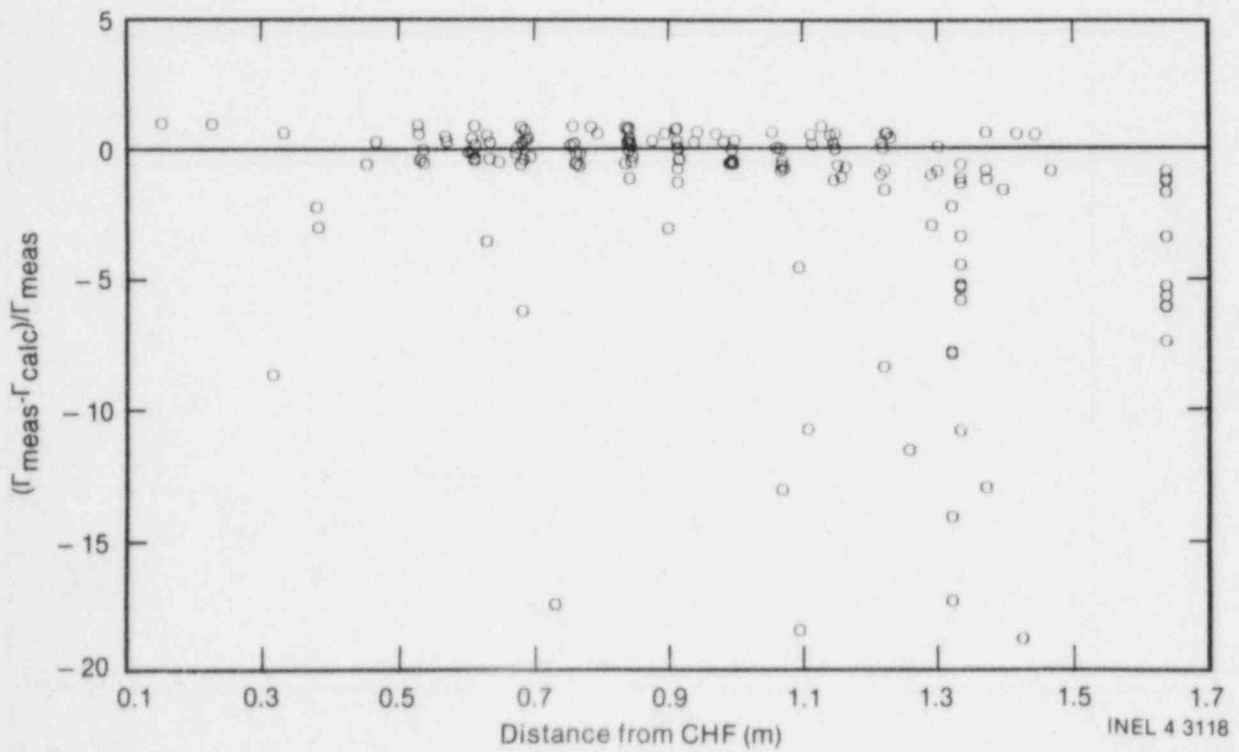


Figure M-3. Distance from CHF residual for Webb correlation.

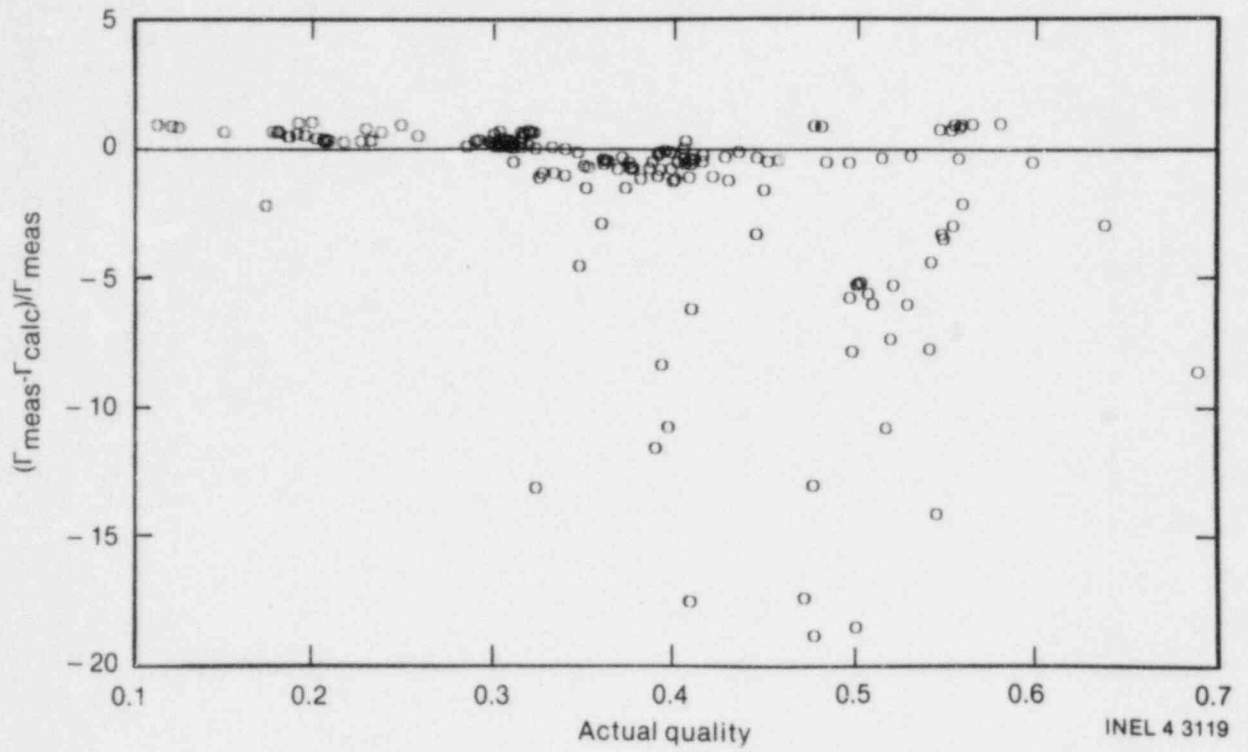


Figure M-4. Actual quality residual for Webb correlation.

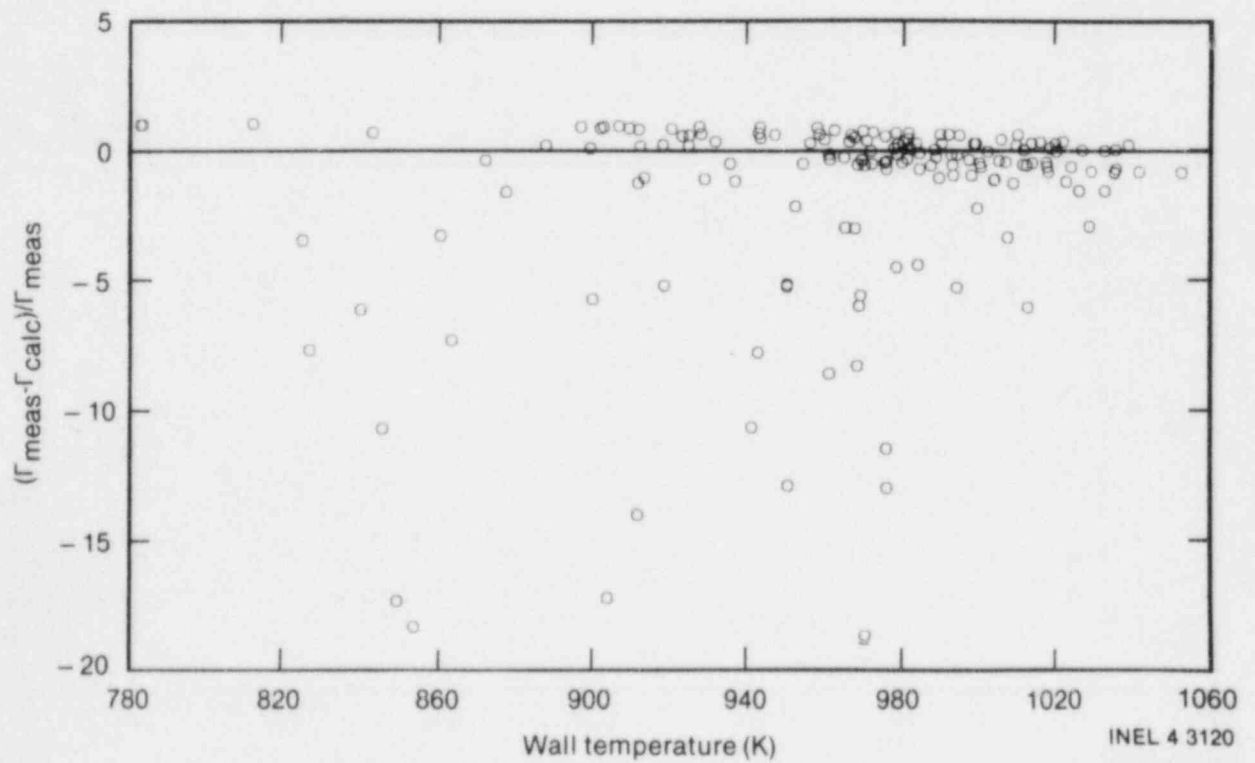


Figure M-5. Wall temperature residual for Webb correlation.

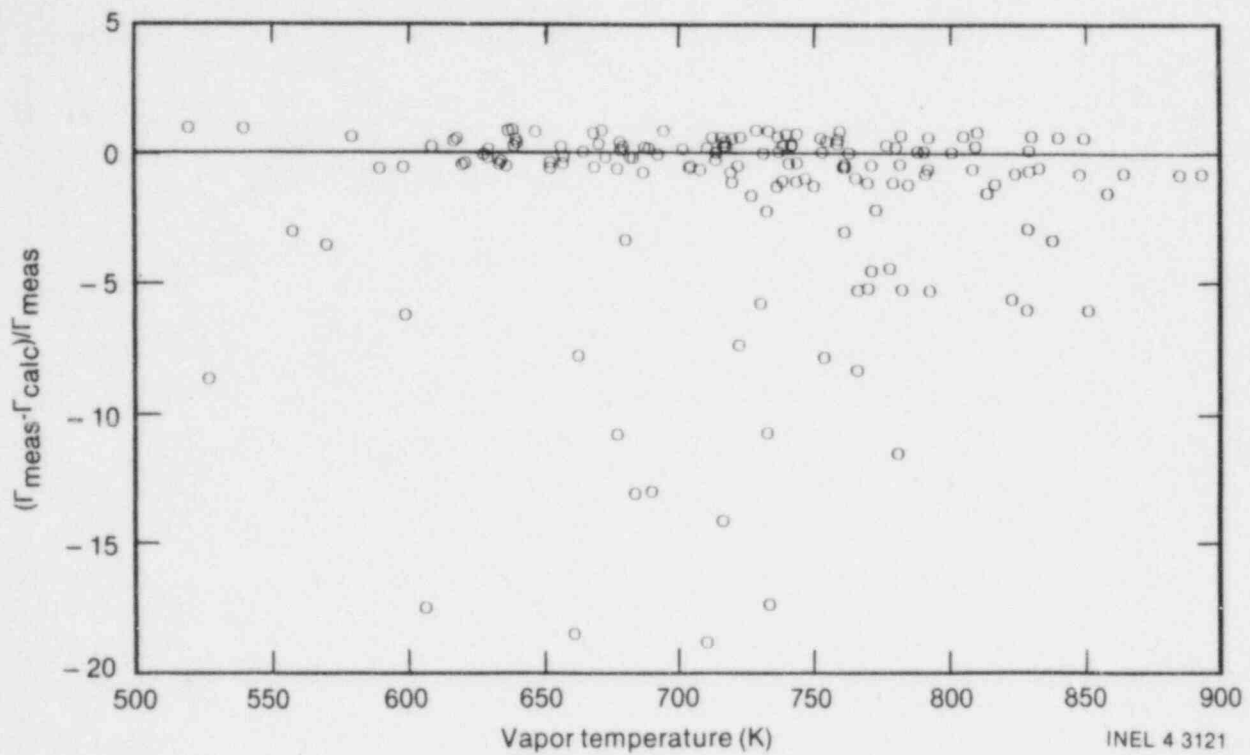


Figure M-6. Vapor temperature residual for Webb correlation.

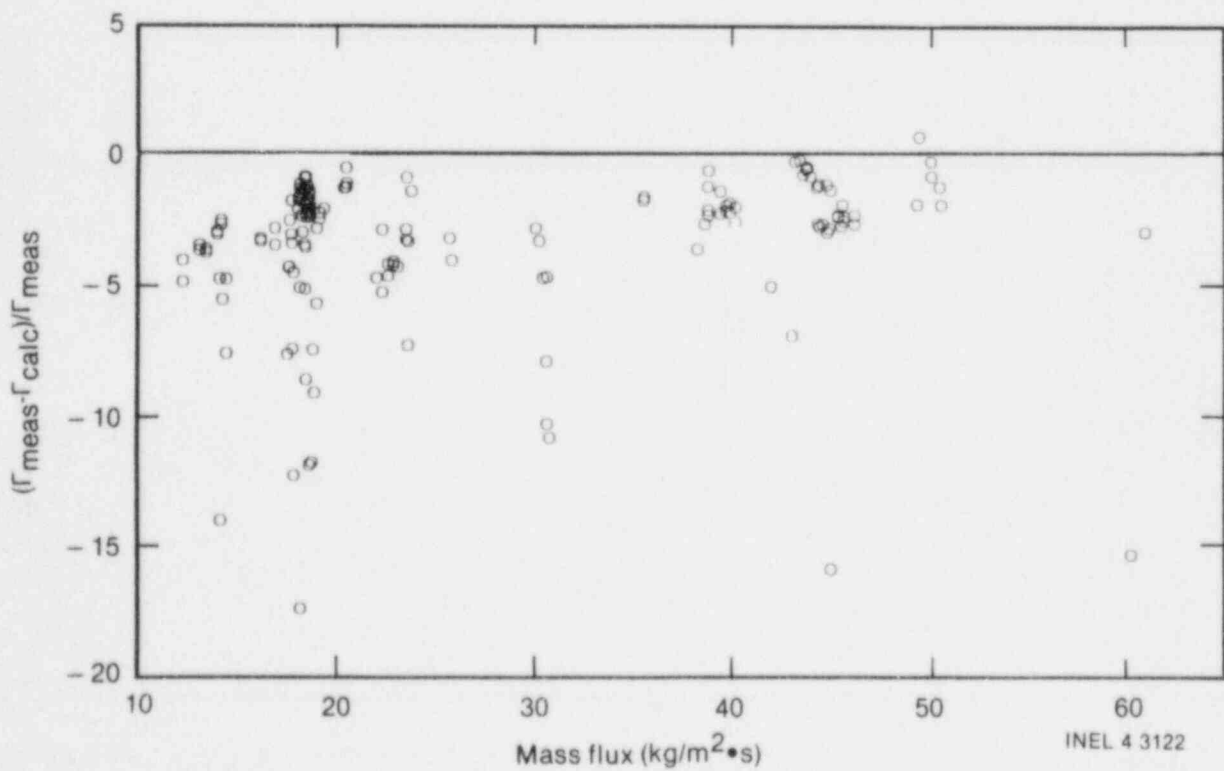


Figure M-7. Mass flux residual for modified Saha correlation.

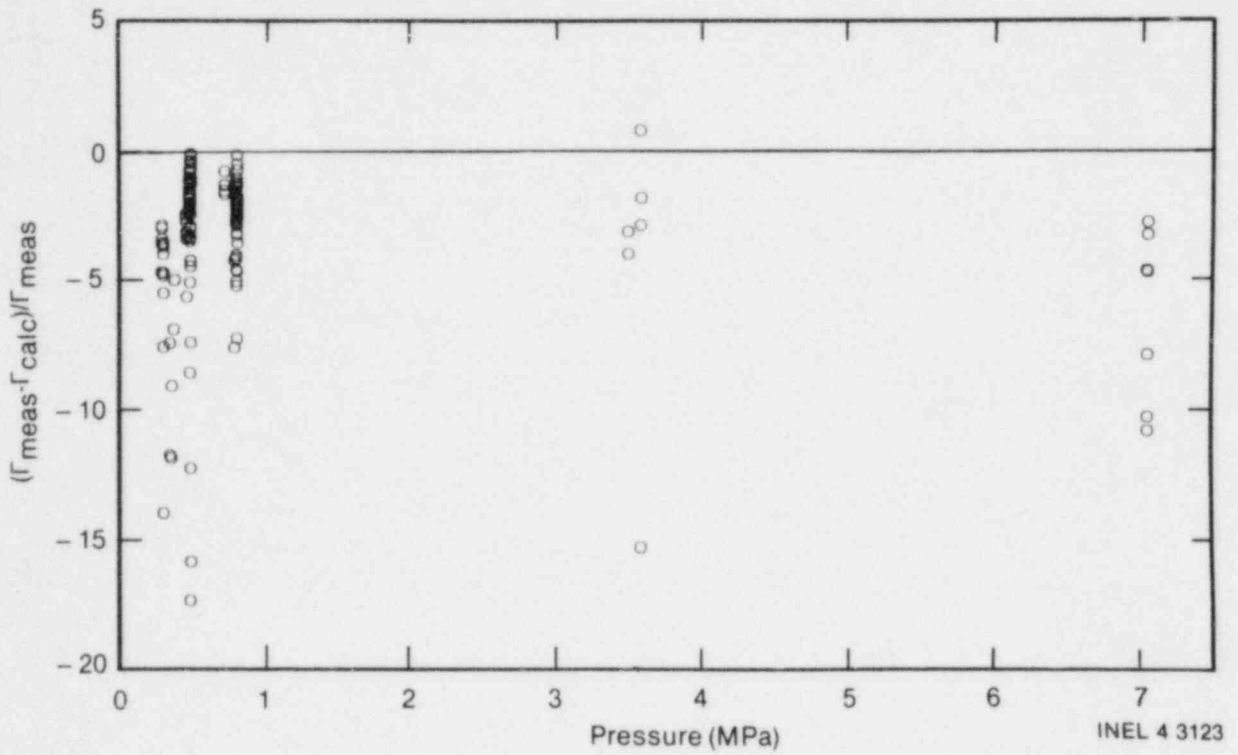


Figure M-8. Pressure residual for modified Saha correlation.

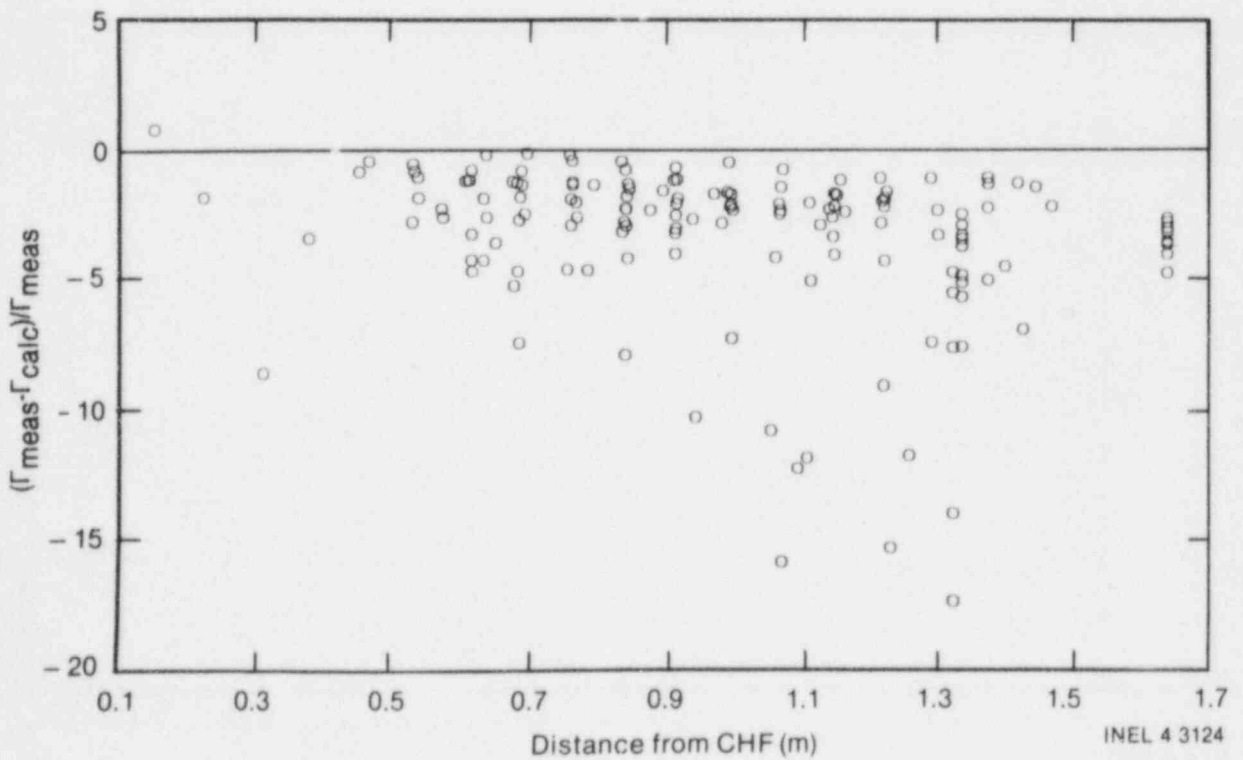


Figure M-9. Distance from CHF residual for modified Saha correlation.

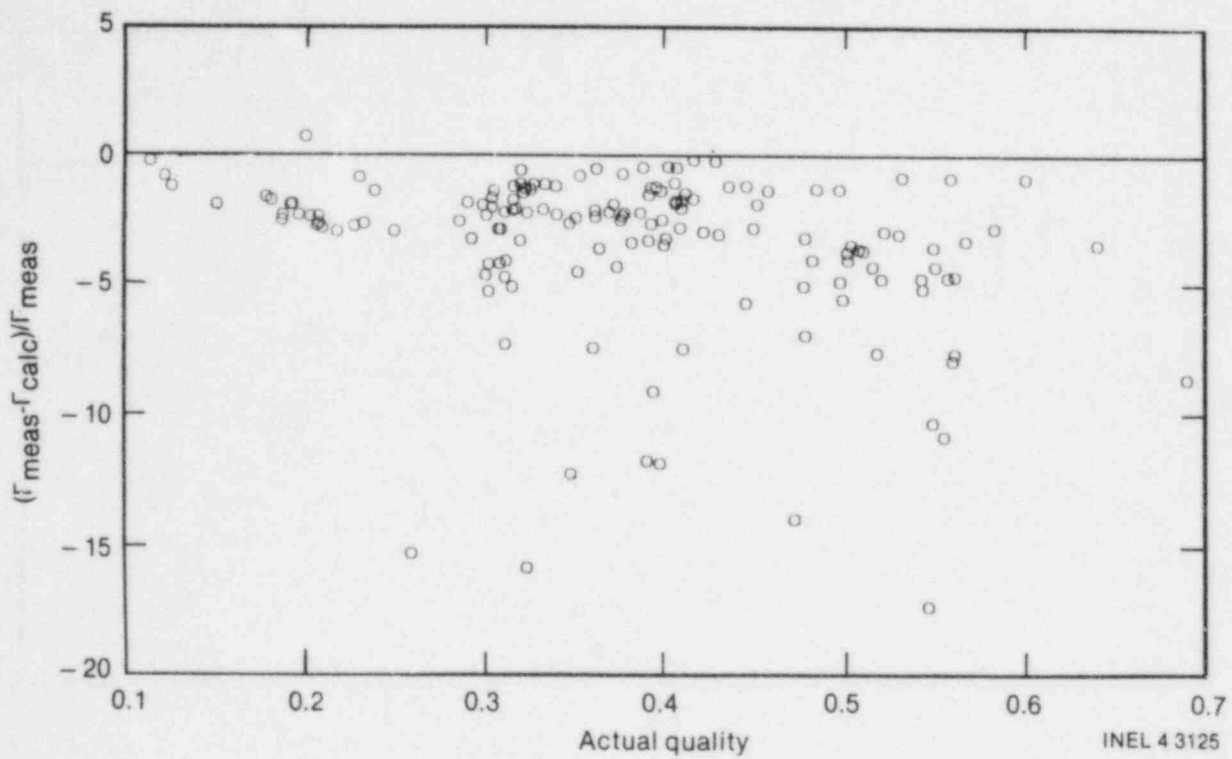


Figure M-10. Actual quality residual for modified Saha correlation.

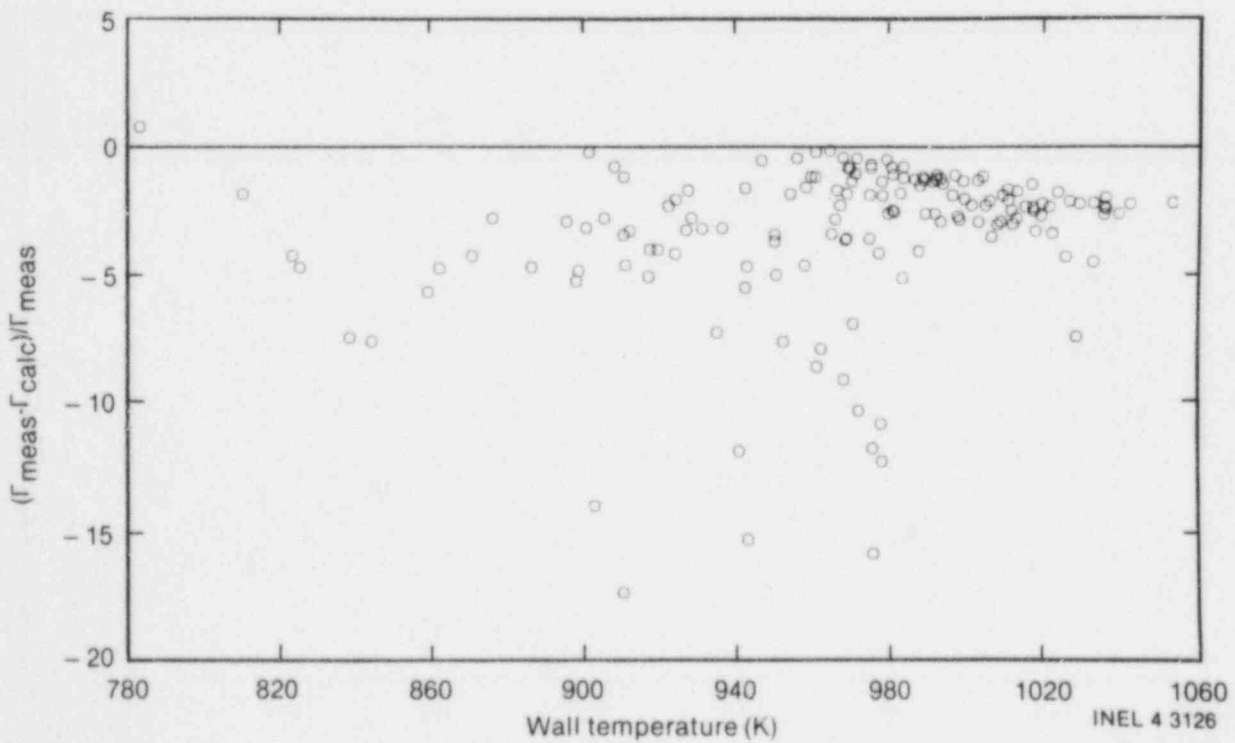


Figure M-11. Wall temperature residual for modified Saha correlation.

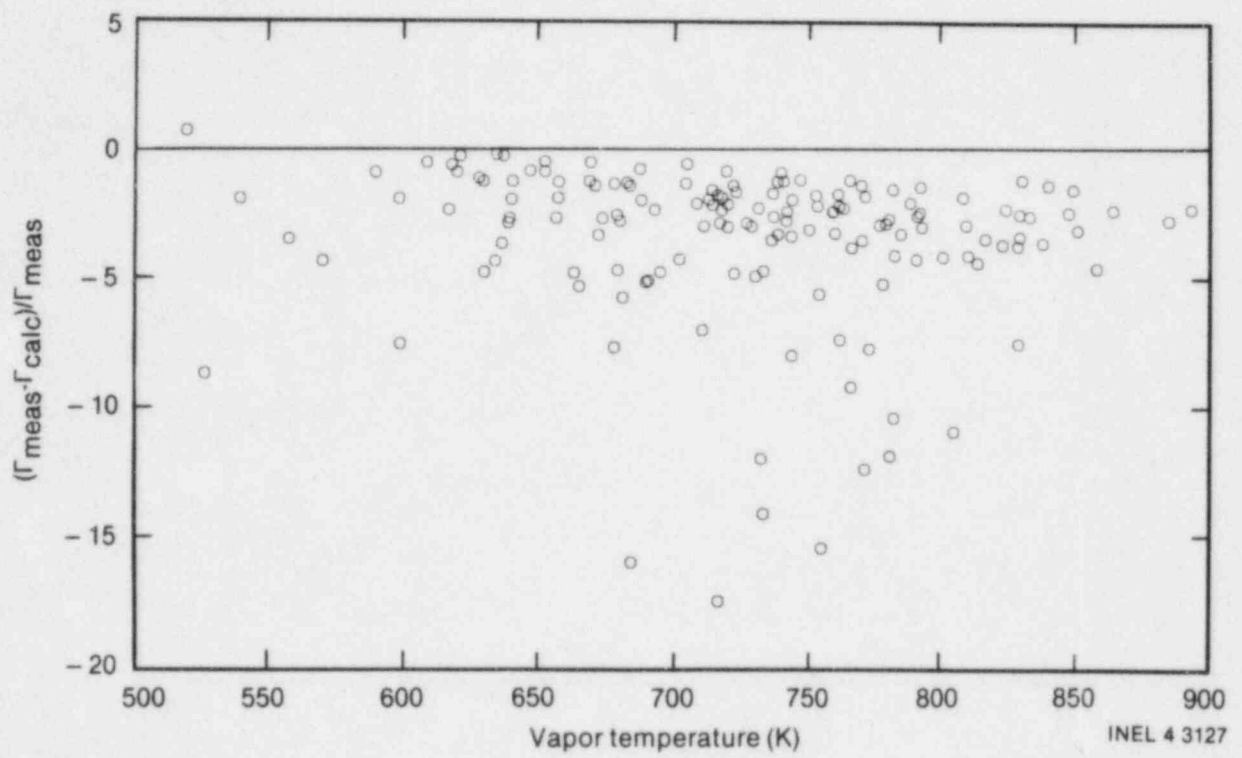


Figure M-12. Vapor temperature residual for modified Saha correlation.

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<small>5. AUTHOR(S)</small> Richard C. Gottula, Keith G. Condie, Ramu K. Sundaram, Sudhakar Neti, John C. Chen, Ralph A. Nelson			<small>4. DATE REPORT COMPLETED</small> <table border="1"> <tr> <td><small>MONTH</small></td> <td><small>YEAR</small></td> </tr> <tr> <td>March</td> <td>1985</td> </tr> </table>		<small>MONTH</small>	<small>YEAR</small>	March	1985	
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