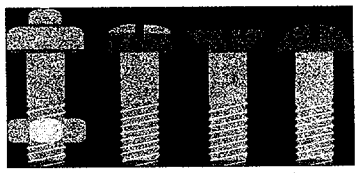
AmerGen

TMI Unit 1
13R Outage

ASME Code Section XI

Inservice Inspection (ISI)



Owner's Data Reports

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ENCLOSURE 1

FORM NIS-1

OWNERS' DATA REPORT FOR INSERVICE INSPECTIONS

FORM NIS-1 OWNER'S DATA REPORT FOR INSERVICE INSPECTIONS
As required by the Provisons of the ASME Code Rules

1. Owner **Metropolitan Edison Company, 2800 Pottsville Pike, Reading, Pennsylvania**
(Name and Address of Owner)

2. Plant **Three Mile Island Nuclear Generating Station, Rt 441 South, Middletown, Pennsylvania**
(Name and Address of Plant)

3. Unit **Unit 1**

4. Owner Certificate of Authoriztion (if required) **N/A**

Commercial Service Date **09/02/74**

6. National Board Number for Unit **Reactor Vessel N-109**

7. Components Inspected **See Table 1**

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Providence No.	National Board No.
		NA		

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this data report is included on each sheet, and (3) each sheet is numbered and the number of sheets recorded at the top of this form.

FORM NIS-1 (back)

8. Examination Dates **10-31-97** to **11-1-99** 9. Inspection Interval from **1991** to **2001***
***Including the expedited examination schedule for IWE/IWL from 9/96 to 9/2001**

10. Applicable Editions of Section XI * Addenda *
***Section XI 1986 Addenda None for Subsections IWB, IWC, IWD and IWF**
***Section XI 1992 Addenda 1992 for Subsections IWE and IWL**

11. Abstract of Examinations. Include a list of examinations and a statement concerning status of work required for current interval.
See Table 1. The Inservice Inspections required for the second interval are approximately 96% complete. See Attachment 1 for Steam Generator Eddy Current.

12. Abstract of Conditions Noted.
See Table 2. See Attachment 1 for Steam Generator Eddy Current.

13. Abstract of Corrective Measures Recommended and Taken
See Table 2. See Attachment 1 for Steam Generator Eddy Current.

Certificate of Authorization No. (if applicable) **N/A** Expiration Date **N/A**

We certify that the statements made in this report are correct and the examinations and corrective measures taken conform to the rules of the ASME Code, Section XI. This certification is based on submittal of Requests for Relief from Subsection IWE and IWL requirements to be submitted on or before January 28, 2000.

Date 1/14/2000 Signed **METROPOLITAN EDISON CO.** By [signature]
Manager, NDE/ISI

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of **PENNSYLVANIA** and employed by **H.S.B I&I CO.** of **HARTFORD, CT.** have inspected the components described in this Owners' Data Report during the period **11/1/97** to **11/1/99**, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Data Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Date Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date Jan. 14, 2000

[signature] Commissions NB 5478 (I)(N) PA 1887
Inspector's Signature National Board, State, Province and No.

ENCLOSURE 1

ATTACHMENT 1

REPORT ON THE 1999 OUTAGE 13R EDDY CURRENT EXAMINATIONS OF TMI-1 OTSG TUBING

Report on the 1999 Outage 13R Eddy Current Examinations of the TMI-1 OTSG Tubing

Topical Report Number: 135
(Rev 0)

Gene Navratil — 1-7-2000
Author — Date

Richard Freeman — 1-7-2000
Reviewer — Date

Design Verification Required? ☐ YES ☒ NO If yes - DV#: N/A

N/A — N/A
Design Verification Engineer — Date

Richard Barley — 1-7-2000
Section Manager — Date

Summary of Change

0	Original report issued to document Outage 13R eddy current examination results reported to the NRC.

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I. INTRODUCTION

On September 10, 1999, TMI-1 was shut down for Refueling Outage 13R. During this refueling outage, TMI-1 performed Eddy Current (ECT) examinations of the Once Through Steam Generators (OTSGs). The scope of the examinations included tubing and sleeves. The examinations were required by TMI-1 Technical Specification 4.19 (Reference 1), Technical Specification License Amendment #209 (Reference 2), and TMI-1 engineering requirements.

During Outage 13R all in service tubes were examined with a bobbin coil probe and approximately 40% of the upper tubesheet kinetic expansions were examined with a rotating probe. In OTSG-A, 21,801 examinations were performed on 14,231 tubes and 170 examinations were performed on 85 sleeves. In OTSG-B, 22,295 examinations were performed on 15,136 tubes and 170 examinations were performed on 85 sleeves. As a result of eddy current indications evaluated during these examinations thirty-six (36) tubes in OTSG-A and nine (9) tubes in OTSG-B were plugged. These tubes are listed in Table I-1 below:

Table I-1
Tubes Removed From Service[1]

S/G	Row	Tube	Hot Leg	Cold Leg	Reason For Plugging						Tube Qty
A	2	6	Roll Plug	Roll Plug	SVI	@	15S	+	36.43		1
A	18	84	Roll Plug	Roll Plug	SVI	@	UTS	-	8.56		2
					SVI	@	UTS	-	15.56		
					SVI	@	UTS	-	16.89		
					SVI	@	UTS	-	14.96		
A	20	85	Roll Plug	Roll Plug	SVI	@	15S	+	5.45		3
A	29	3	Roll Plug	Roll Plug	Kinetic Expansion Indication(s)						4
A	31	41	Roll Plug	Roll Plug	Kinetic Expansion Indication(s)						5
A	38	74	Roll Plug	Roll Plug	OD SVI	@	LTS	+	2.01		6
A	41	110	Roll Plug	Roll Plug	Kinetic Expansion Indication(s)						7
A	46	117	Roll Plug	Roll Plug	SVI	@	ETL	-	0.67		8
A	48	120	Roll Plug	Roll Plug	Kinetic Expansion Indication(s)						9
A	50	116	Roll Plug	Roll Plug	SCI	@	ETL	-	0.04		10
A	66	31	Roll Plug	Roll Plug	SCI	@	ETL	-	0.09		11
A	71	36	Roll Plug	Roll Plug	SAI	@	15S	+	8.65		12
A	75	65	Roll Plug	Roll Plug	SCI	@	UTS	+	0.36		13
A	76	94	Roll Plug	Roll Plug	43% ID IGA	@	UTS	+	2.86		14
A	78	49	Roll Plug	Roll Plug	Kinetic Expansion Indication(s)						15

[1] See Appendix I for indication three letter code definitions and Figure II-2 for location codes.

S/G	Row	Tube	Hot Leg	Cold Leg	Reason For Plugging						Tube Qty
A	78	50	Roll Plug	Roll Plug	Kinetic Expansion Indication(s)						16
A	80	44	Roll Plug	Roll Plug	Kinetic Expansion Indication(s)						17
A	80	61	Roll Plug	Roll Plug	Kinetic Expansion Indication(s)						18
A	80	80	Roll Plug	Roll Plug	Kinetic Expansion Indication(s)						19
A	80	88	Roll Plug	Roll Plug	OD SVI	@	15S	+	16.33		20
A	85	22	Roll Plug	Roll Plug	OD SVI	@	14S	+	30.31		21
A	85	51	Roll Plug	Roll Plug	Kinetic Expansion Indication(s)						22
A	85	57	Roll Plug	Roll Plug	SCI	@	ETL	-	0.15		23
A	99	29	Roll Plug	Roll Plug	Kinetic Expansion Indication(s)						24
A	106	72	Roll Plug	Roll Plug	Kinetic Expansion Indication(s)						25
A	114	93	Roll Plug	Roll Plug	40% ID IGA	@	15S	+	41		26
A	122	30	Roll Plug	Roll Plug	SCI	@	ETL	-	6.57		27
A	122	38	Roll Plug	Roll Plug	SCI	@	ETL	-	1.18		28
A	131	84	Roll Plug	Roll Plug	SCI	@	ETL	-	0.08		29
A	136	80	Roll Plug	Roll Plug	OD SVI	@	14S	+	34.04		30
A	1	4	Roll Plug	Roll Plug	Preventative (ID IGA)						31
A	34	1	Roll Plug	Roll Plug	Preventative (ID IGA)						32
A	50	74	Roll Plug	Roll Plug	Preventative (Kin Exp Inds)						33
A	81	130	Roll Plug	Roll Plug	Preventative (ID IGA)						34
A	86	121	Roll Plug	Roll Plug	Preventative (Kin Exp Ind)						35
A	134	1	Roll Plug	Roll Plug	Preventative (ID IGA)						36
B	9	23	Roll Plug	Roll Plug	SAI	@	15S	-	8.47		1
					SAI	@	15S	-	10.03		
B	14	7	Roll Plug	Roll Plug	Kinetic Expansion Indication(s)						2
B	48	87	Roll Plug	Roll Plug	OD SVI	@	UTS	-	2.38		3
B	61	1	Roll Plug	Roll Plug	SCI	@	UTS	+	0.60		4
B	61	19	Roll Plug	Roll Plug	SCI	@	ETL	-	0.31		5
B	80	50	Roll Plug	Roll Plug	SAI	@	15S	+	29.05		6

S/G	Row	Tube	Hot Leg	Cold Leg	Reason For Plugging						Tube Qty
B	80	62	Roll Plug	Roll Plug	Kinetic Expansion Indication(s)						7
B	113	2	Roll Plug	Roll Plug	SAI	@	14S	+	27.94		8
B	120	93	Roll Plug	Roll Plug	OD SVI	@	04S	-	0.63		9
					OD SVI	@	04S	-	0.92		

The total number of tubes plugged in OTSG-A is 1,336 (8.6% of the 15,531 tubes), and the total number of plugged tubes in OTSG-B is 404 (2.6% of the 15,531 tubes).

The 80" sleeves installed in the TMI-1 OTSGs affect primary coolant flow and alter the effective plugged percentage of tubes. Per Reference 15, 6.7 tubes with 80" sleeves installed are hydraulically equivalent to 1 plugged tube:

- The effective plugging percentage of OTSG-A, considering the 13R Outage tube plugging and the effect of its 248 in service sleeves, is now 8.84%. [(1336 + (248/6.7)) / 15531 = 0.0884]
- The effective plugging percentage of OTSG-B, considering the 13R Outage tube plugging and the effect of its 253 in service sleeves, is now 2.84%. [(404 + (253/6.7)) / 15531 = 0.0284]

II. METHODS

A. DATA ACQUISITION

The Eddy Current (ECT) Examinations were performed using the Zetec Miz-30-4 Digital Multi-Frequency Eddy Current System with Eddynet 98 Software. The data was directly recorded to hard disks located on site and then spooled to the remote analysis locations for primary and secondary analysis. The ECT raw data and analysis were then transferred to optical disks for site storage.

Data acquisition was performed remotely using the Framatome "ROGER" in head manipulators and Zetec Model 10D probe pushers. Dual guide tubes were used to the extent practical. Examinations were performed at all four heads simultaneously in order to support the required examination schedule.

The ECT examinations were performed using a variety of techniques and probes that were tailored to address the specific areas of interest being examined. The techniques used for examination were based on industry Appendix H qualified techniques which were site qualified or were plant specific qualified techniques (where industry qualified techniques did not exist or were not applicable). The active and potential damage mechanisms were documented in the "Outage 13R OTSG Degradation Assessment", EER JO# 00170801, Rev. 0 (Reference 16). Table II-1 provides a listing of the specific Appendix H qualification applicable for each damage mechanism. Framatome Technologies report 51-5005406-00, "Qualified Eddy Current Examination Techniques for Three Mile Island Unit #1" (Reference 17) provides further details on site applicability for each examination technique. The examinations were performed under TMI-1 Surveillance Procedure 1300-4B (Reference 4) and Framatome Technologies Procedure 54-ISI-400-09 (Reference 5) and are further discussed in the following sections.

TABLE II-1
OUTAGE 13R TECHNIQUE QUALIFICATIONS

Degradation Mechanism/ Technique	Basis for Qualification (ETSS #'s are Appendix H Documents)	POD @ 90%CL	RMSE Error, %TW	Qualified for Detection ?	Quali-fied for Sizing ?	Site-Specific Data Review Performed/ Result
TSP Wear (Bobbin Probe)	ETSS #96004	.83 at 60%TW	N/A	Yes	(1) No	Yes Acceptable
OD Volumetric IGA Upper Tubesheet Crevice (Bobbin Probe)	ETSS #96009 ETSS #96011	.801 at 44%TW .801 at 44% TW	N/A	Yes	No	Yes Acceptable
OD Axial IGA/SCC Freespan (Bobbin Probe)	ETSS #96008 (FTI Documents 77-5002925-01, 77-1258722-00)	.85 at 40% TW	20.5	Yes	(8) Yes	Yes Acceptable
OD Volumetric IGA Freespan (Bobbin Probe)	ETSS #96008 (FTI Documents 77-5002925-01, 77-1258722-00)	.85 at 40% TW	20.5	Yes	(8) Yes	Yes Acceptable
ID IGA/SCC Freespan And TS Crevice (Bobbin Probe)	TMI-1 Document C-1101-224-E280-072	.89 at 42% TW	16.9	Yes	(9) Yes	Yes Acceptable
Impingement (Bobbin Probe)	ETSS #96002	(2).89 at 60%TW	11.5	Yes	(9) Yes	Yes Acceptable
TSP Wear (.115" MR Pancake Rotating Probe)	ETSS #96911	.924 at 40%TW	12.5	Yes	(9) Yes	Yes Acceptable
PWSCC/ID IGA (MR Plus Point Rotating Probe)	ETSS #96508 ETSS #96702 ETSS #96703 (7) (FTI Document 51-5000345-01)	(6).84 at 50%TW .83 at 50% TW .89 at 50% TW	N/A 21.0 Dep 10.1 PDA 0.10" Len 15.1 Dep 10.5 PDA 0.13" Len	Yes Yes Yes	No (3)(9)Yes (4)(9)Yes	Yes Acceptable
ODSCC (MR Plus Point Rotating Probe)	ETSS #96402 ETSS #96403	(5).88 at 50%TW .81 at 50%TW	N/A N/A	Yes Yes	No No	Yes Acceptable

Degradation Mechanism/ Technique	Basis for Qualification (ETSS #'s are Appendix H Documents)	POD @ 90%CL	RMSE Error, %TW	Qualified for Detection ?	Quali-fied for Sizing ?	Site-Specific Data Review Performed/ Result
PWSCC (.115" MR Pancake Rotating Probe)	ETSS #96502 ETSS #96503	(6).86 at 50%TW (5).85 at 60%TW	N/A N/A	Yes Yes	No No	Yes Acceptable
ODSCC (.115" MR Pancake Rotating Probe)	ETSS #96401	(5).85 at 60%TW	N/A	Yes	No	Yes Acceptable
Sleeve (LF Plus Point Rotating Probe)	ETSS #96912 (FTI Document 77-5001580-00) (FTI Document 51-5001310-00)	.80 at 47% TW (.93 at 29%TW)	N/A	Yes	No	Yes Acceptable
Sleeve (Bobbin)	ETSS #96008	.85 at 40% TW	20.5	Yes	(8) Yes	Yes Acceptable

Notes:

1. The bobbin technique is qualified for depth sizing of TSP wear indications; however, that method is not presently used in OTSG's. TSP wear depth sizing is based on rotating probe data (ETSS 96911).
2. Detection probability and RMSE sizing error listed are for the 400/200 kHz differential mix.
3. This technique is qualified for sizing by length or depth percent through-wall of circumferential PWSCC at expansion transitions.
4. This technique is qualified for sizing by length or depth percent through-wall of axial PWSCC at dents.
5. Detection probability and RMSE sizing error listed are for the 300 kHz frequency.
6. Detection probability and RMSE sizing error listed are for the 400 kHz frequency.
7. This document provides the results of studies performed for TMI-1 to determine the expected depth and length sizing errors expected for various rotating coil eddy current probe examination techniques. As a result of this study, TMI has chosen to use the mid-frequency plus point coil for depth sizing ID IGA/SCC in the kinetic expansion and length sizing crack-like indications. The 0.080" high frequency pancake coil was chosen to provide axial and circumferential length dimensions for ID IGA volumetric indications. Based on this report, TMI has chosen to assign a potential 32.6% TW under measurement to percent through-wall measurements made on ID indications with the plus point coil in the kinetically expanded region (an indication measured as ≥67% TW is considered 100% TW for hypothetical MSLB leakage calculation purposes). The study also concluded that axial and circumferential length measurements are expected to be conservative (measured length is greater than actual flaw length) for both crack-like and ID volumetric indications. Pulled tube examinations for the 12R outage confirmed that length measurements are conservative for the ID volumetric indications.
8. This sizing technique was not used for tube repair dispositioning. The sizing technique was used for engineering evaluation purposes only (e.g. In-situ pressure testing screening).
9. This sizing technique was used for tube repair dispositioning and engineering evaluation purposes.

A.1 Tube Bobbin Coil Examinations

The general examination of tubing material was performed from the inside diameter of the tube using a bobbin coil probe. This probe is the most durable and efficient probe available and, when used with the proper ECT instrumentation, allows examination speeds in excess of 40 inches per second. The data from this probe was used to detect tube wall degradation from such mechanisms as Intergranular Attack (IGA), Intergranular Stress Corrosion

Cracking (IGSCC), tube-to-tube support plate wear, and impingement. The data acquired was also used to assure all tube support plates were present at their expected locations. All bobbin coil examinations were full length unless otherwise noted. For the purpose of this report, a full-length bobbin coil examination is from the kinetic expansion transition in the upper tubesheet to the roll expansion transition in the lower tubesheet. Examinations were performed with a probe speed that did not exceed 40" per second. The 0.540" diameter probe was used to examine tubes with previously identified bobbin coil ID indications while the 0.510" probe was used for initial examination of all other tubes. A 0.480" diameter bobbin coil probe was used to examine the region of two tubes which would not pass a 0.510" diameter bobbin coil probe.

Tubes with indications of suspected degradation found during the bobbin coil examinations were re-examined using an MRPC probe.

A.2 Sleeve Bobbin Coil Examinations

The unexpanded portion of sleeves were examined with a .400" bobbin coil probe to detect degradation mechanisms such as OD IGA, OD IGSCC, or tube-to-tube support plate wear. This probe was used for these examinations because of its durability and higher examination speed. The examinations were performed at a speed less than 12" per second because of the probe's tight fit in the sleeves.

A.3 Motorized Rotating Pancake Coil (MRPC) Tube Examinations

MRPC examinations of tubes were performed as diagnostic examinations following bobbin coil examinations, or for detection of specific degradation in areas where higher sensitivity and additional information were desired (e.g. kinetic expansions, lower tubesheet crevice, dented regions, and shop re-rolled tubes). Due to the much slower examination speed of the MRPC probe the examinations were typically limited to specific areas of the tube.

A.4 Plus Point Examination of Sleeves

All of the TMI-1 sleeves are 80" long Inconel 690 sleeves which are installed at the upper end of the parent tube. The expansions (including expansion transitions) of sleeves were examined using a Plus Point rotating probe. The examinations were generally performed from approximately 3 inches below the lower sleeve end to the 15th tube support plate (which includes the two lower expansions) and an area in the upper tubesheet which included the upper expansion. This technique is required for examination of the parent tube below the lower sleeve end, the lower sleeve end, and roll expansion regions only; however, all acquired data was evaluated by the data analysts. See Figure II-1 for TMI-1's sleeve configuration.

B. DATA ANALYSIS PROCESS

The eddy current data analysis was performed using GPUN Procedure NDE-ECT-03T, Revision 0 (Reference 8) and applicable Temporary Change Notices. This procedure is based on the recommendations of the EPRI PWR Steam Generator Inspection Guidelines (Reference 9) and also meets the requirements of the TMI-1 Technical Specifications (Reference 1) and the ASME Boiler and Pressure Vessel Code (Reference 10).

B.1 Data Analyst Qualifications

The data analysis process was performed by Framatome Technologies (FTI) and Duke Engineering and Services (DE & S) using personnel qualified and certified to at least Level IIA in accordance with the employers' approved QA/Training programs. In addition, these personnel were recognized as Qualified Data Analysts (QDA) as defined in the EPRI PWR Steam Generator Inspection Guidelines, Appendix G. As a supplement to these qualifications, site-specific indoctrination and training was attended by all data analyst personnel. The program included both classroom lectures and "hands on" practice using eddy current data and experience from both TMI and other B&W-designed plants. The training covered generic OTSG degradation mechanisms and examination methods, and specifically addressed both the bobbin coil and rotating probe methods used at TMI.

The total site-specific indoctrination/examination process encompassed approximately 24 working hours per analyst and was conducted by a TMI-1 Authorized Level III Analyst. At the completion of the indoctrination each data analyst was required to pass a performance demonstration prior to analyzing bobbin coil or rotating probe data for detection of flaws. The test was generated by the EPRI Site Specific Performance Demonstration (SSPD) program or, for methods that are not supported by the SSPD, a pre-designed test.

B.2 Data Analysis Sequence

The data analysis process was performed in accordance with the same procedures addressed in the data analyst indoctrination and training. The process was performed in four (4) steps with at least two (2) separate data analysts evaluating the data from each examination. The data analysis process included:

1. Primary Analysis: The primary analysis included an evaluation of the ECT data and the recording of attributes identified in Appendix I over the full length of the exam. As stated previously, for bobbin coil examination of tubes, full length is the unexpanded portion of tube from the lower tubesheet roll expansion transition to the upper tubesheet kinetic expansion transition. For MRPC examinations of the upper tubesheet expansion transitions and kinetic expansions, full length included the unexpanded region of tubing, the expansion transition, and a pre-defined length of expanded tube above the transition. The pre-defined length was displayed to the analyst and was based on required expansion length as defined in the plant's kinetic expansion acceptance criteria. If indications were recorded in the transition or expanded region of the kinetic expansions, an additional 2.0" of expanded region was evaluated. Two tubes required evaluation beyond the minimum required length plus 2.0" to determine the acceptability of the expansion for continued service. In these cases the analyst recorded the actual expanded region examination length as part of the reported results.

   For rotating probes, such as MRPC, the analysis included evaluation of the required examination area using strip chart displays, lissajous displays, and terrain plots. The analysis also included recording the phase angle, percent through wall, voltage, circumferential extent, axial extent, indication code, and/or location of any indications in expanded or unexpanded tubing as required by Reference 8.

2. Secondary Analysis: This analysis was performed in the same manner as the primary analysis described above. The secondary analysis was performed by a different QDA than the QDA that performed the primary analysis.

3. Resolution Analysis: The results of both the primary and secondary analyses were reviewed by designated resolution analyst(s). This review combined the primary and secondary analyses results, resolved any discrepancies, and assigned final dimensions to any indications requiring length, width, and/or depth sizing. For this outage personnel qualified to Level III QDA performed this function. In the case of indications which were initially reported as exceeding the repair criteria by any analyst, but resolved as not requiring repair, a Level III QDA from both FTI and DE & S were required to concur that the indication did not exceed the repair criteria.

4. Designated QDA: A designated QDA reviewed the resolution analysis results. This review included reviewing all repairable indications overruled by resolution analysis, reviewing a sample of indications recorded during the analysis process, and reviewing indications as requested for reconsideration (by any primary or secondary analyst who disagreed with a resolution analyst evaluation).

B.3 Data Analysis Software

The data for examinations was evaluated using Zetec Eddynet 98 Analysis software, Version 1.30.

B.4 Recording of Indications

Eddy current indications were recorded to permit dispositioning the examination results and to facilitate monitoring the tubes during future examinations. The recorded indications fall into two basic groups, "indications from Tube

Wall Degradation" (e.g., indications assigned a "VOL" code or "I" code); and "indications from Possible Damage Precursors" (e.g. indications assigned other three letter codes such as "DNT"). The specific criteria used to record the indications were dependent upon the type of probe being used. A complete list of abbreviations and definitions used to classify indications is included as Appendix I to this report.

Indications from Tube Wall Degradation

Generally indications of tube wall degradation were initially recorded during the primary and secondary analysis of the bobbin coil data. Some indications were assigned a "percent through wall" value based on the phase angle of the indications (if they are ID-initiated by bobbin coil examination.) When the indication could not be accurately assigned a through wall value using bobbin coil examination data, it was assigned a three letter code such as BVC, ADI, or NQI to indicate the presence of a possible flaw. In these cases, the indication's location, amplitude, signal phase angle and three-letter code were recorded to permit further evaluation of the tube.

Once the initial screening of bobbin coil indications was completed, supplemental examinations were performed using rotating coil probes (3-coil MRPC with +Point coil, 0.115" pancake coil, and 0.080" shielded coil high frequency pancake coil). The data from the rotating probe examinations was analyzed and indications were recorded using three letter codes to indicate the approximate geometry of degradation and, in some cases, a percent through wall was assigned. In general, indications were recorded as SAI, MAI, SCI, MCI, SVI, MVI, or VOL. These codes indicate whether the indication is single (S) or multiple (M), circumferential (C) or axial (A), and whether or not a volumetric (V) condition is present. The "VOL" code signified that an indication was inside diameter initiated, volumetric in nature, and had an axial length $\leq$0.25" and a circumferential length $\leq$0.52" (an indication with axial or circumferential lengths greater than these dimensions was assigned an "SVI" code). All outside diameter initiated volumetric indications were assigned an "SVI" code regardless of measured circumferential or axial extent. Like the bobbin coil indications, these codes were recorded along with the location, amplitude, and phase angle of the signal. Additional line entries were also included for some MRPC indications to record indication length and width dimensions.

An exception to the above procedure occurred when an MRPC examination was pre-scheduled for a specific region such as the kinetic expansion region. In this case only the MRPC data was used for dispositioning the tube. (The bobbin coil is not used in the expanded region.) The actual analysis process was performed in the same manner as described above.

Indications from Possible Damage Precursors

The analysis of eddy current data may also identify indications that are not specifically attributed to tube wall degradation. These indications may be the result of irregularities in the tube wall profile (IDC), changes in the magnetic permeability (PVN), denting (DNT), or other changes in the electrical impedance of the tube not related to tube wall degradation. These indications were recorded for information only and did not necessarily require follow-up examinations. Dent and ding indications $\geq$4 volts by bobbin coil probe and located above the lower tubesheet, and dents $\geq$16 volts by bobbin coil probe at the lower tubesheet secondary face or below, were examined with an MRPC probe. Recorded bobbin coil probe "IDC" and "PVN" indications were examined with an MRPC probe.

Indication Locations

The locations of the ECT indications were recorded to identify their "elevation" or "axial location" in the OTSG tubes. For free span indications, the locations were generally recorded in inches above "+" the tubesheet surfaces or tube support plate centers. For indications located within or adjacent to the tube support plates, the indications are recorded as "+" or "-" from the tube support plate center. The relative location of the tubesheets and tube support plates is shown in Figure II-2.

B.5 Data Management

Two separate data management systems were used to assure indications were documented and dispositioned appropriately. The examination results were obtained from the Eddynet report files and loaded into the data management systems used during the outage. The FTI FDMS and Zetec Data Management Systems were used

independently to track eddy current examination results. Final results reports from the two systems were then compared to address any inconsistencies between the two systems. The overall generator examination was considered completed when both systems produced the same results and indicated that the required examinations were complete. After completion of the 13R Outage the Zetec Data Management System results were used to load data into the TMI-1 ISIS data management system.

C. DISPOSITION OF RESULTS

C.1 Inside Diameter IGA

Inside diameter (ID) IGA eddy current indications in unexpanded tubing were dispositioned in accordance with the TMI-1 Technical Specifications, including GPU Nuclear's Technical Specification Change Request (TSCR) #277 and the resulting License Amendment No. 209. In accordance with the amendment, all ID IGA indications that were detected during the bobbin coil eddy current examinations were subsequently examined with MRPC probes. The length and width of the indications (as discerned by MRPC extent calls) were compared to the repair limits stipulated in the Technical Specification. In addition, the MRPC examinations were used to confirm that the indications were volumetric in geometry (in order to prevent crack-like indications from remaining in service.) The surface of origin (i.e. inside surface) was also confirmed for all ID IGA indications. ID IGA indications with sufficient bobbin coil signal-to-noise ratio and bobbin voltage were also given a percent through wall estimate based on 0.540" diameter bobbin coil probe phase angle analysis.

ID IGA indications in unexpanded tubing ≥40% through wall, or of axial and circumferential extent >0.25" or >0.52", respectively, were removed from service by plugging in accordance with the Technical Specifications. In addition, the remaining ID IGA indications were verified for serviceability by in-situ pressure testing selected tubes [See Sections II,D and III,C of this report] and a growth evaluation. [See Sections III,B.1 and III,C of this report.]

Appendix II provides a list of tubes containing ID IGA indications in unexpanded tubing. The 3-letter code "VOL" was used to delineate ID IGA indications ≤0.25" axial extent and ≤0.52" circumferential extent. The tube numbers of those tubes having ID IGA flaws have been placed in **bold** print. [Note that some of the indications listed in the Appendices were removed from service as a result of the tube plugging listed in Table I-1. The data for these tubes has been identified by use of *italicized* print.] At the end of the 13R Outage 1038 recorded ID IGA indications in 536 OTSG "A" tubes, and 85 recorded ID IGA indications in 42 OTSG "B" tubes, remain in service in the TMI-1 generators.

Six tubes in OTSG –A were preventively plugged due to a large number of ID IGA indications being present in these tubes. Four were plugged for indications located in the freespan of the tube and two were plugged for indications located in the kinetic expansion. These tubes could have remained in service per the Plant Technical Specification or the kinetic expansion dispositioning criteria but were conservatively plugged because they contained numerous indications approaching the repair limit.

C.2 Kinetic Expansion Region

TMI-1's OTSG tubes have 17" or 22" long kinetic expansions within the generators' upper tubesheets. During the 13R Outage, approximately 41.6% of the unsleeved/unplugged tubes with 17" kinetic expansions and approximately 10.2% of the unsleeved/unplugged tubes with 22" kinetic expansions were inspected with a rotating probe (i.e. MRPC). Note that 100% of the 22" kinetic expansions were examined during Outage 12R. The Outage 13R samples included all tubes identified as "Potential Leakage Contributors" during Outage 12R. The specific region examined is further defined in Section III,A of this report.

Analysis Process

Each tube examined with the rotating probe in the kinetic expansion region was analyzed to determine if the tube was a structural and/or leakage concern. There are many factors which were used in addressing the structural and leakage issues associated with any indication that was found. These are:

1) the axial and/or circumferential extent of the indication,
2) the estimated depth of the indication,
3) the proximity and type of other indications in the expansion,
4) the radial distance of the tube from the center of the tube bundle,
5) whether the kinetic expansion was 17" or 22" in length, and
6) the minimum required axial kinetic expansion length ($AKEL_{min}$) to ensure structural integrity in the event of a MSLB.

The minimum required axial kinetic expansion length ($AKEL_{min}$) is based on the radial distance of the tube from the center of the tube bundle and also on whether the tube has a 17-inch or a 22-inch expansion.

The determination of the structural adequacy of the tube was based on the measured axial and circumferential extents of the indications. The volumetric indications had both axial and circumferential measurements assigned and were conservatively treated as separate axial and circumferential crack-like indications.

Some tubes had multiple indications in the kinetic expansion region. For tubes with multiple circumferential and/or volumetric indications, the circumferential extents were combined if the indications were located within 1.00" axially of one another. For tubes with multiple axial and/or volumetric indications, the axial extents were combined and then compared to the $AKEL_{min}$ to determine the structural adequacy of the tube.

The leakage calculations were based on the estimated depth of the flaws, the axial and circumferential extents of the flaws, and the radial distance of the tube from the center of the bundle. An indication was considered to be a leakage contributor only if its estimated depth was $\geq$67 percent through wall, as estimated by a plus point probe, and it was located within a certain distance above the Expansion Transition Location (ETL). This distance was based on the $AKEL_{min}$ value as well as the number of flaws and the axial extent of these flaws in the kinetic expansion. If a flaw between ETL + 0" and ETL + 0.25" was determined to be a leakage contributor, then freespan leakage values were used. For the 17" expansions, if a flaw above ETL + 0.25" was determined to be a leakage contributor, then a leakage reduction factor of 25 was applied to the freespan leakage value, (i.e., the freespan leakage values were divided by 25 to obtain the estimated leak rate.) This leakage reduction factor corrects the leakage to account for the reduction in leak rate provided by the tubesheet. The axial location at which the leakage reduction factor could be applied to flaws in 22" expansions was a function of the radial location of the tube in the tubesheet and the axial location of the indication within the expansion.

The derivation of this kinetic expansion indication evaluation was provided to the NRC in Reference 13. NRC questions on this submittal were responded to in a GPU Nuclear letter to the NRC (Reference 18).

C.3 Other Indications

All crack-like indications detected in the freespan or expansion transition of tubing were removed from service.

Tube-to-tubesheet wear indications were dispositioned by evaluating their through-wall extent using an EPRI Appendix H-qualified technique. There were no wear marks in excess of 40% through wall detected during Outage 13R.

All manufacturing/burnish mark (MBM) eddy current calls were reviewed from a historical basis before dispositioning.

TMI-1 did not have qualified techniques for evaluating the through wall extent of OD-surface initiating degradation indications other than tube-to-tube support plate wear. Thus, these OD indications resulting from tube wall degradation other than tube-to-tube support plate wear (e.g. OD "groove" IGA, OD volumetric IGA) were "plugged on detection".

D. IN-SITU PRESSURE TESTING

D.1 Pressure Test Process

In-situ pressure testing was conducted during the 13R Outage to assess the ability of the most limiting flaws to withstand a postulated main steam line break (MSLB) event on the last day of the just-completed operating cycle. The tubing was subjected to differential pressure and appropriate axial loads equivalent to normal operating, main steam line break, and Regulatory Guide 1.121 (Reference 11) prescribed differential pressures.

The testing was conducted using localized area hydraulic pressure tooling to pressurize a specific tube region. The localized testing is performed through a chamber created by two independent probes that lock into the tube and seal from opposite directions. The probes are designed to create a chamber for applying both hoop and appropriate axial loads.

In-situ pressure tested tubes were subsequently plugged.

D.2 Tube Selection

The eddy current test results were reviewed to select the most limiting flaws from a leakage and structural integrity perspective. The intent was to select flaws that would bound in severity the remaining population of untested flaws. Successful testing of the limiting flaws would then assure that the remaining flaws would maintain structural and leakage integrity during a postulated MSLB.

In addition to depth size estimate by bobbin and MRPC eddy current, other parameters such as voltage response and axial and circumferential lengths were also considered in selecting the most limiting flaws.

The previous in-situ pressure test results at TMI and other OTSGs were reviewed to determine if previous successful in-situ pressure tests bounded the flaws detected in 13R. During the previous (09/97 12R) outage at TMI, seven tubes were in-situ pressure tested with no leakage. The eddy current results for these previously tested TMI tubes bounded the majority of the 13R TMI flaws.

The plus point voltages for the tubes which were in-situ pressure tested in Outage 12R were adjusted to account for the different normalization practices between Outages 12R and 13R. In Outage 12R, a throughwall hole of the calibration standard was set to 10 volts; In 13R, a throughwall EDM notch was set to 20 volts. To develop a conversion factor, the voltage measurement for the throughwall hole was obtained for several of the calibration standard runs from the 13R inspection. Using the 13R normalization scheme (20 volts on the throughwall EDM notches), the average voltage for the throughwall hole was determined to be 3.42 volts. Therefore, the 12R plus point voltages were multiplied by 0.342 to obtain a new voltage for the comparison to the 13R indications.

Based on the screening criteria of TMI-1 and the EPRI In-Situ Test Guidelines, EPRI Report TR-107620 (Reference 19) three candidates were selected as most limiting for In-Situ pressure testing. The logic for selection of these tubes is summarized below:

OTSG-B, Row 61 Tube 19
This tube had a large plus point voltage ID circumferential indication in the unexpanded region of the upper tubesheet. It had the LARGEST plus point voltage response of all of the crack-like indications in the unexpanded tubing. One indication (in OTSG-B Row 93 Tube 119) with a larger voltage was in-situ pressure tested with no leakage in Outage 12R. However, this Outage 12R indication had a slightly smaller measured circumferential extent than the circumferential indication in B61-19.

OTSG-B, Row 80 Tube 50

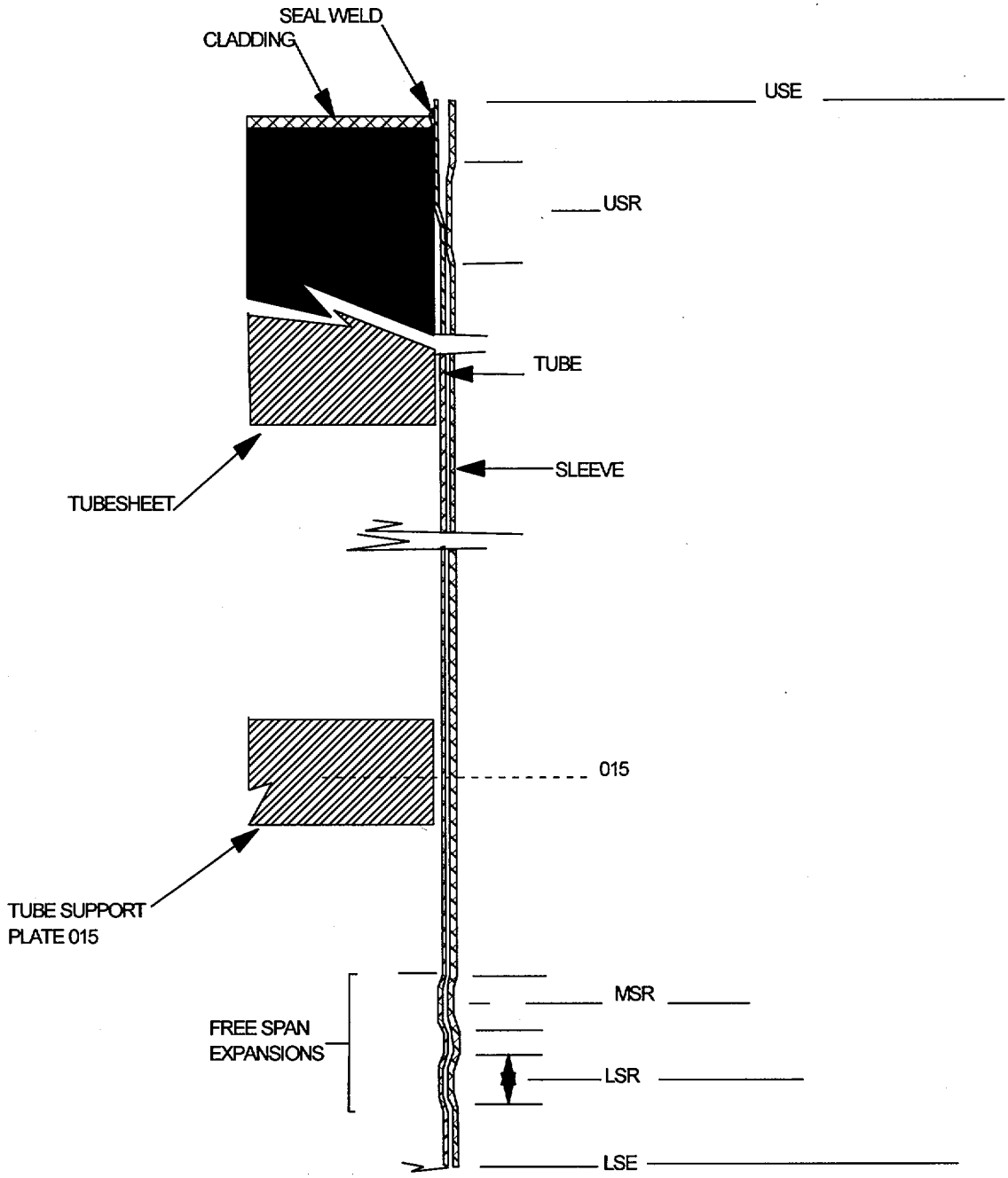
This tube had the LONGEST axial indication in the freespan and was located between the upper most tube support plate and the upper tubesheet. This indication was considered typical of "Groove IGA". The indication was 4.74 inches long and exceeded the lengths of the axial flaws which have been previously in-situ tested at other OTSG plants. No tubes with axial indications were in-situ pressure tested at TMI during the 12R Outage. However, one tube with multiple axial indications was pulled during the 12R Outage and leak tested at a vendor facilty. The indications in the pulled tube had higher voltages but were shorter in axial length than the 4.74 inch indication in this tube.

OTSG-B, Row 113 Tube 2

This tube had an OD axial indication in the freespan between the 14th and 15th support plates and was also considered typical of "Groove IGA" indications. This indication was the SECOND LONGEST freespan axial indication detected during Outage 13R. This indication was in-situ pressure tested despite the fact that it was bounded by previous in-situ pressure tests at other OTSG plants.

FIGURE II-1

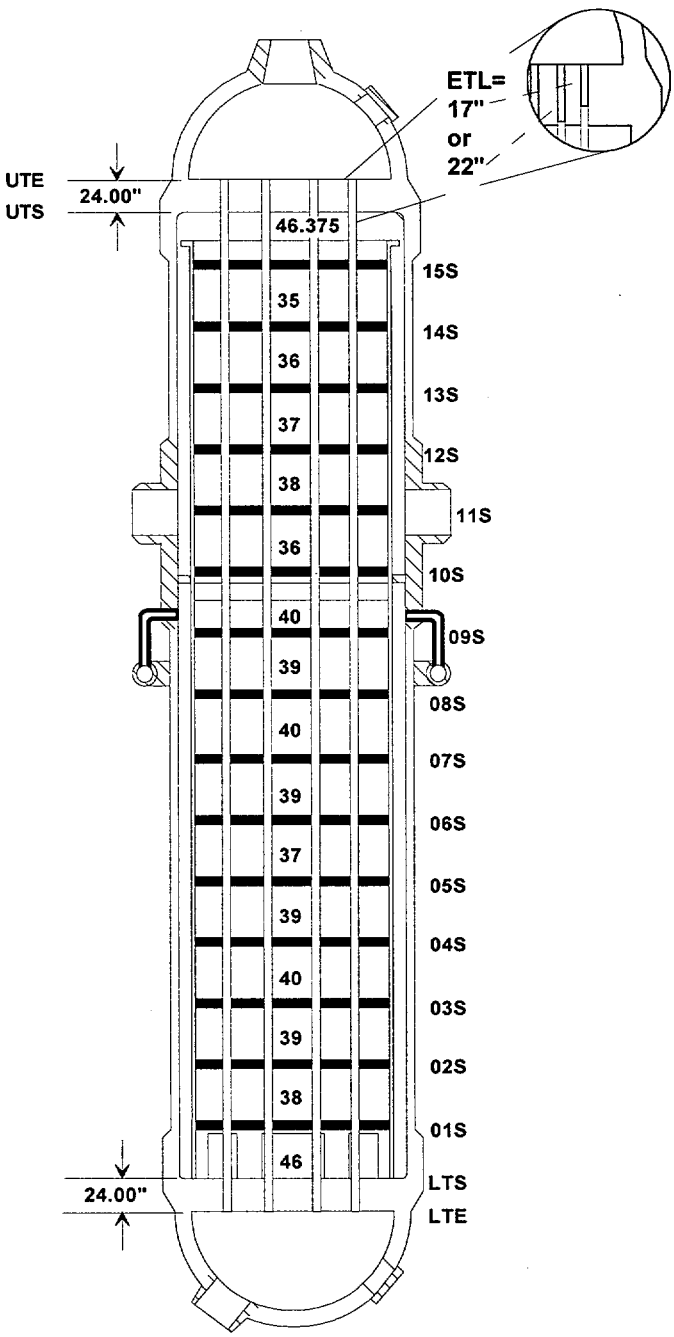
B&W ROLLED SLEEVE



Term	Definition
USE	Upper sleeve end.
USR	Upper sleeve roll expansion.
015	Tube support plate 15.
MSR	Middle sleeve roll expansion. Also referred to as upper lower sleeve roll expansion.
LSR	Lower sleeve roll expansion.
LSE	Lower sleeve end.

Figure II-2

TMI-1 OTSG DESIGN INFORMATION



Tube Information

Number of Tubes:	15,531
Number of Rows:	151
Max Tubes/Row:	132
Tube Material:	Inconel 600
Nominal OD:	0.625 inch
Nominal ID:	0.551 inch
Nominal WT:	0.037 inch
Minimum WT:	0.034 inch
Tube Length:	673.375 inch

Tube Support Information

Number of Tube Support Plates:	15
Tube Support Material:	Carbon Steel
Tube Support Thickness:	1.50 inch
Tube Supports:	All trefoil broached except the 15th TSP which is drilled in the periphery

Tubesheet Information

Tubesheets are carbon steel, 24 inch thick (Primary faces are 5/16" Inconel clad).

Tubes are open crevice with a minimum 1.0 inch long roll in the lower tubesheets. TMI in service tubes have either 17 inch or 22 inch kinetic expansions in the upper tubesheet.

Sleeve Information

Sleeve Material:	Inconel 690
Nominal OD:	0.525 inch
Nominal ID:	0.431 inch
Nominal WT:	0.047 inch
Sleeve Length:	80 inch
Roll Length:	1.50 inch
Number of Rolls:	3 (1 Upper and 2 Lower)

Note-The number between the support plates in the figure at left indicates the distance between tube support plates in inches.

III. OUTAGE 13R EXAMINATION CATEGORIES AND RESULTS

All tubes that were in service during Cycle 12 were examined with a bobbin coil probe. The kinetic expansion transition and the required length of the kinetically expanded tube above the transition were examined in approximately 40% of the tubes. The examinations were performed in three major groups, based on the examination requirements:

A. Examinations required by Technical Specification 4.19
B. NRC Commitments
C. TMI-1 elective examinations

These groups were further divided into specific categories. This section defines the examination scope, purpose, selection criteria, and examination results by category.

A. SCOPE SELECTION

During Outage 13R TMI-1 chose to initially perform bobbin coil examinations on 100% of the in service tubes in each OTSG. In addition to the bobbin coil examinations, approximately 40% of the tubes in each OTSG were scheduled for MRPC examination of the kinetic expansion transition and kinetically expanded region. In order to define an examination results classification, TMI-1 assigned tubes to groups prior to the Outage. Sample expansion, for the kinetic expansion examinations, was then based on the results of each examination using Technical Specification 4.19 Interpretation (Reference 1). No sample expansion was possible for the bobbin coil examinations since all of the in service tubes were examined.

Tables III-1 through III-3 provide the examination categories, quantities, and reasons for examination. Figures III-1 through III-6 provide tubesheet plots of the kinetic expansion, lower tubesheet crevice/sludge pile, and sleeve examination locations.

TABLE III-1

BOBBIN COIL TUBE EXAMINATION SCOPE

DATA SET	OTSG-A TUBES EXAMINED	OTSG-B TUBES EXAMINED	REASONS FOR SELECTION
540-MIZ30	330	105	These tubes were examined with a 0.540" HF bobbin probe to more accurately evaluate ID-initiated indications observed with bobbin coil probes during Outage 12R. During Outage 13R tubes with recorded ID indications during a scheduled 0.510" bobbin examination were also subsequently examined with a 0.540" bobbin probe.
510-MIZ30	13935	15051	These are the remaining in service tubes that were not initially examined with the 0.540" diameter bobbin coil probe.
480-MIZ30	2	0	These are tubes that would not pass a 0.510" bobbin coil probe through the lower tube end.

TABLE III-2

MRPC TUBE EXAMINATIONS

DATA SET	OTSG-A TUBES EXAMINED	OTSG-B TUBES EXAMINED	REASONS FOR SELECTION
KET-ISI-22	14	34	These are kinetic expansion examinations of unsleeved tubes in service that were repaired with 22 inch kinetic expansions. All unsleeved tubes with 22 inch expansions were examined during Outage 12R. All tubes selected for this group were included in the initial 3% sample group of Outage 13R. The tubes selected for examination during Outage 13R included all tubes which were identified as potential leakage contributors during Outage 12R and an additional sample of tubes with indications identified during Outage 12R.
KET-ISI-17	56	22	These are kinetic expansion examinations of unsleeved tubes in service that were repaired with 17 inch kinetic expansions. All tubes selected for this group were included in the initial 3% sample group of Outage 13R. The tubes selected for examination during Outage 13R included all tubes which were identified as potential leakage contributors during Outage 12R and an additional sample of tubes with indications identified during Outage 12R.
KET03	422	454	These are kinetic expansion examinations of unsleeved tubes in service which were repaired with 17 inch kinetic expansions. These tubes included an additional number of tubes randomly chosen from pre-selected rows so that the total number of tubes in this group (combined with the "KET-ISI" groups above) exceeded more than 3% of the total number of tubes in the OTSG. Tubes selected for the 3%, 6% and 12% samples were systematically chosen to better utilize time and radiation dose reduction devices such as dual guide tubes. The population was evenly distributed over the tube array to the extent practical. In service tubes in pre-selected rows were selected for examination. The rows were evenly distributed so that after Outage 13R, no consecutive rows were left unexamined when combined with the Outage 12R examination scope. Within each row tubes were randomly assigned to the 3%, 6%, or 12% sample to retain a "random" selection for assigning an Inspection Results Category. The examination area included the kinetic expansion transition and a minimum length of $AKEL_{min}$ inches above the top of the kinetic expansion transition.
KET06	942	942	These are kinetic expansion examinations of unsleeved tubes in service that were repaired with 17 inch kinetic expansions. This group comprised greater than 6% of the total number of tubes in each OTSG. Tubes selected for the 3%, 6% and 12% samples were systematically chosen to better utilize time and radiation dose reduction devices such as dual guide tubes. The population was evenly distributed over the tube array to the extent practical. In service tubes in pre-selected rows were selected for examination. The rows were evenly distributed so that after Outage 13R, no consecutive rows were left unexamined when combined with the Outage 12R examination scope. Within each

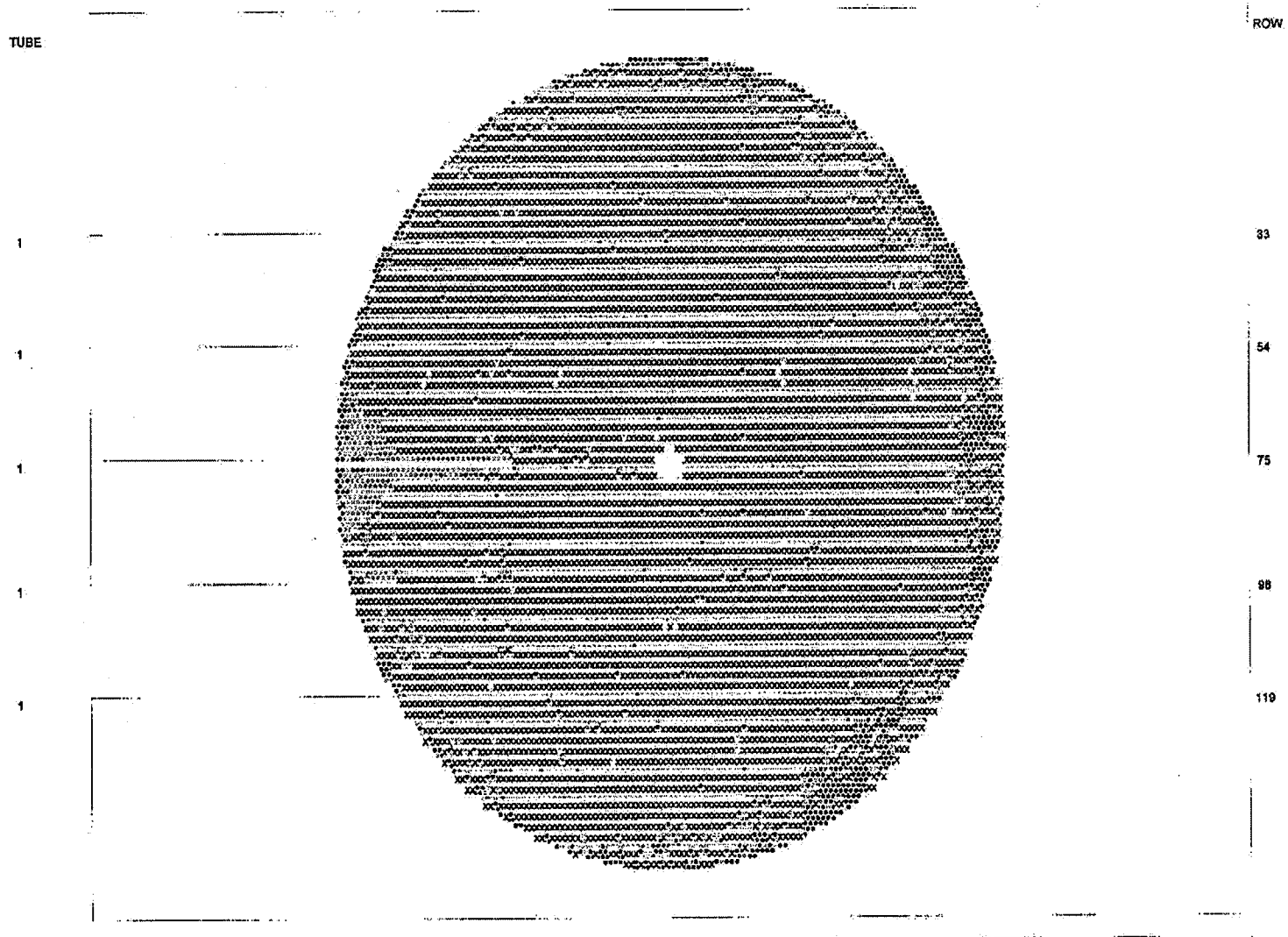
DATA SET	OTSG-A TUBES EXAMINED	OTSG-B TUBES EXAMINED	REASONS FOR SELECTION
			row tubes were randomly assigned to the 3%, 6%, or 12% sample to retain a "random" selection for assigning an Inspection Results Category. The examination area included the kinetic expansion transition and a minimum length of $AKEL_{min}$ inches above the top of the kinetic expansion transition.
KET12	4563	4446	These are kinetic expansion examinations of unsleeved tubes in service that were repaired with 17 inch kinetic expansions. This group comprised greater than 12% of the total number of tubes in each OTSG. Tubes selected for the 3%, 6% and 12% samples were systematically chosen to better utilize time and radiation dose reduction devices such as dual guide tubes. The population was evenly distributed over the tube array to the extent practical. In service tubes in pre-selected rows were selected for examination. The rows were evenly distributed so that after Outage 13R, no consecutive rows were left unexamined when combined with the Outage 12R examination scope. Within each row tubes were randomly assigned to the 3%, 6%, or 12% sample to retain a "random" selection for assigning an Inspection Results Category. The examination area included the kinetic expansion transition and a minimum length of $AKEL_{min}$ inches above the top of the kinetic expansion transition.
T-END-REP	6	3	During Outage 12R the lower tube ends of these tubes were opened using a roll expansion process to allow eddy current probes to examine the tubes. These tubes were examined during Outage 13R to assure no stress corrosion cracking was present at the lower tube end.
LTS-CREV	510	516	Greater than 20% of the tubes in the lower tubesheet "Kidney" region were examined with the MRPC probe. This sample also exceeded 3% of the total number of tubes in each OTSG. The kidney region generally included areas on the tubesheet array that were identified to have lower tubesheet secondary face dents during Outage 12R plus a two tube buffer. Figures III-5 and III-6 provide tubesheet maps of Outage 13R lower tubesheet secondary face dents and areas examined. The examination region included an axial length from 16 inches below the secondary face of the lower tubesheet to 2 inches above the secondary face.
SPECINT	1055	727	These examinations were performed on specific areas of a tube to further evaluate indications identified by bobbin examinations or as an Outage 13R Technical Specification required examination due to Outage 12R examination results. The sample included those tubes where ID IGA indications $\geq$0.13 inches axial length or $\geq$0.26 inches circumferential length and located below the kinetic expansion were left in service following the 12R Outage. These examinations included all indications of possible tube wall degradation, all bobbin coil dents $\geq$4 volts above the lower tubesheet secondary face, and all bobbin coil dents $\geq$16 volts located at the lower tubesheet secondary face or below.

TABLE III-3

SLEEVE EXAMINATIONS

DATA SET	OTSG-A TUBES EXAMINED	OTSG-B TUBES EXAMINED	REASONS FOR SELECTION
SLV-BOB	85	85	The unexpanded region of sleeves was examined with this probe to detect any general degradation such as OD IGA or wear. This group included approximately 33% of the installed sleeves in each OTSG.
SLV-PPT	85	85	Approximately 3 inches of parent tube below the lower sleeve end, the lower sleeve end, and all three roll expansions (including transitions) were examined with this technique because of the higher sensitivity to degradation at these locations. This group included greater than 33% of the installed sleeves in each OTSG.

FIGURE III-1
OTSG-A
KINETIC EXPANSION EXAMINATION LOCATIONS

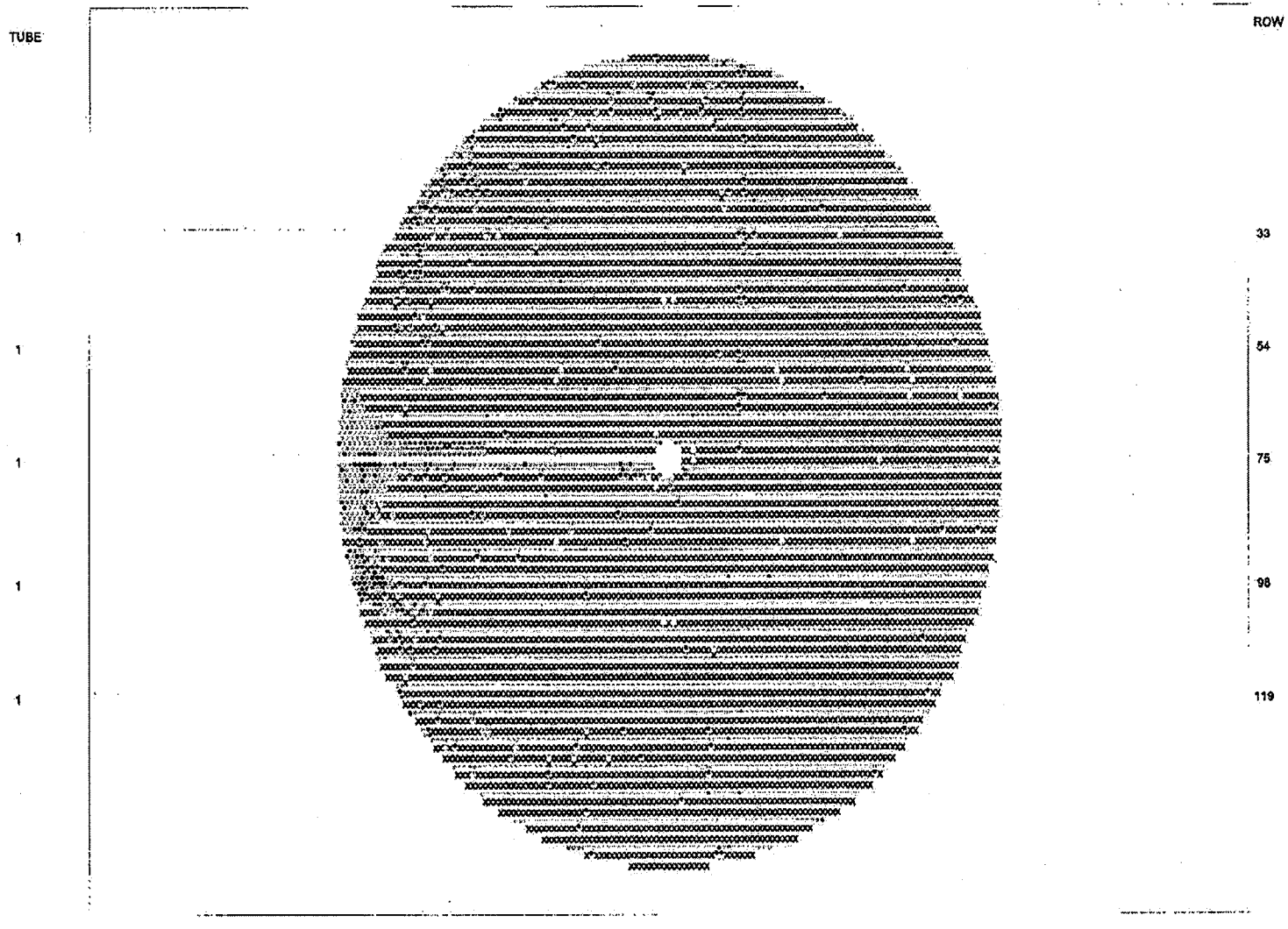


x: 5972: Kinetic Expansion Examination Locations

GPU NUCLEAR CORP. TMI - UNIT 1
ONCE THROUGH STEAM GENERATOR: A
12/13/99

ABB CENO

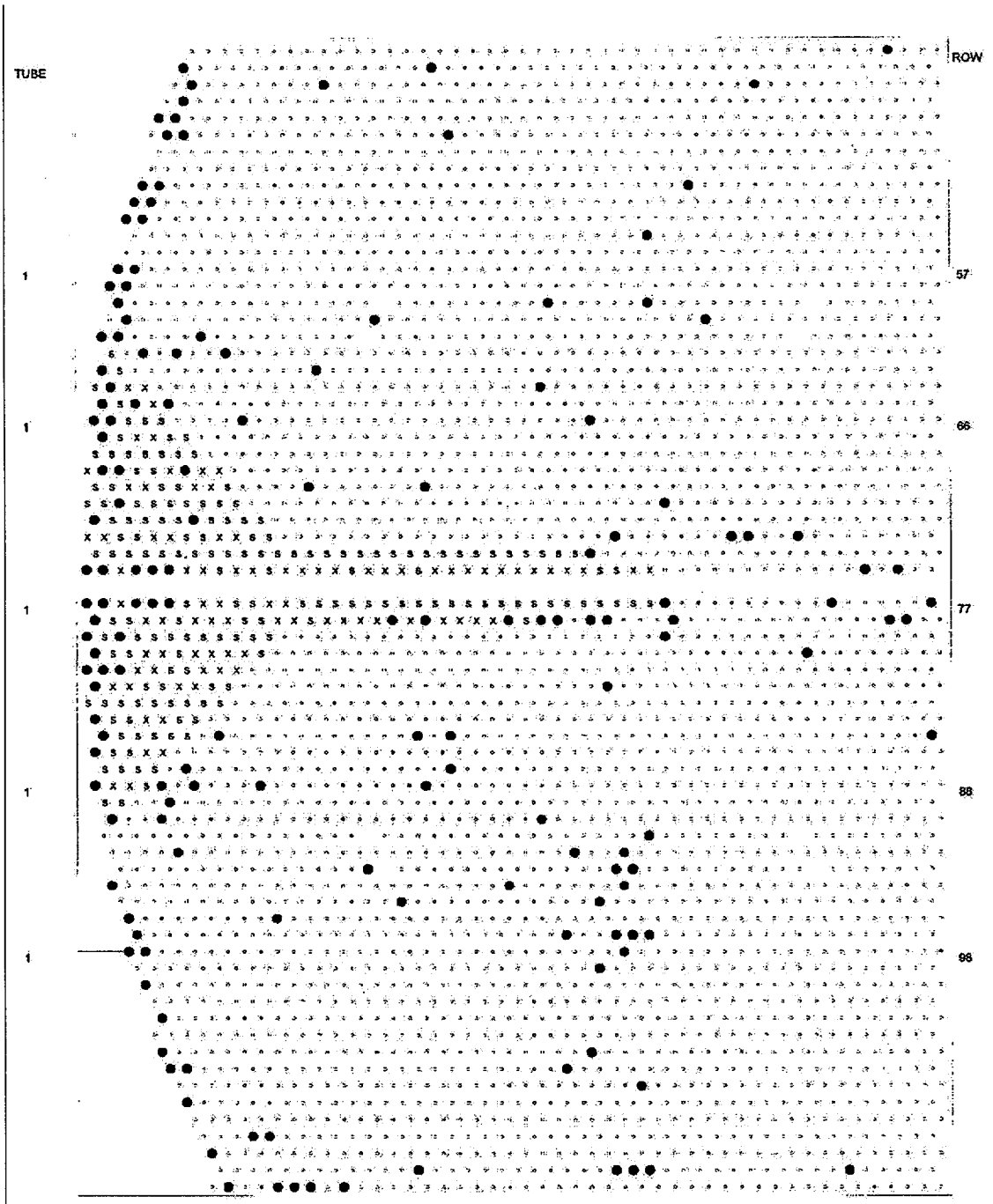
FIGURE III-2
OTSG-B
KINETIC EXPANSION EXAMINATION LOCATIONS



x : 5898 : Kinetic Expansion Examination Locations

GPU NUCLEAR CORP. TMI-1
ONCE THROUGH STEAM GENERATOR: B
12/14/99
ABB CENO

FIGURE III-3
OTSG-A
SLEEVE EXAMINATION LOCATIONS



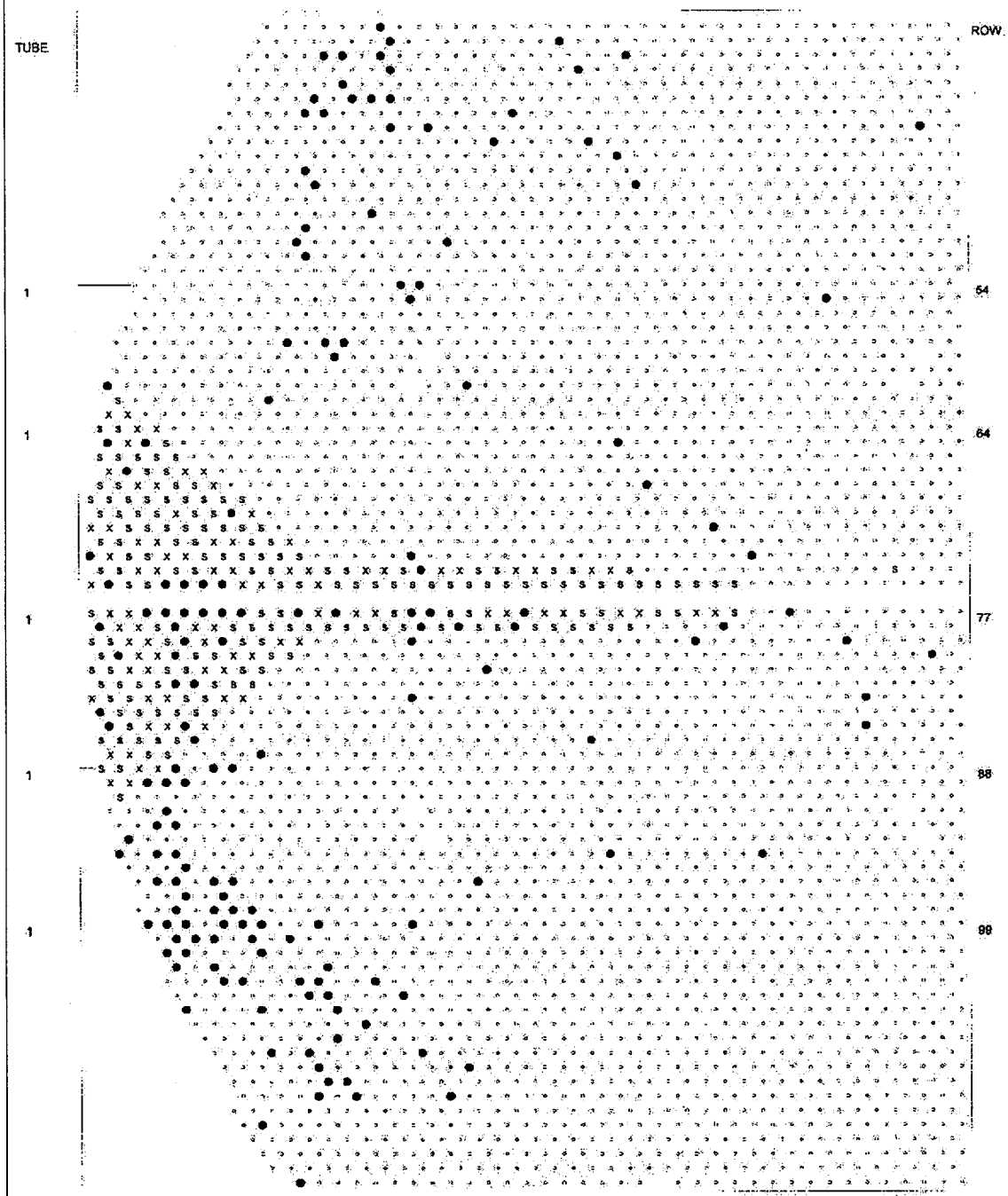
s: 163: Installed Sleeve Locations
x: 85: Sleeve Examination Locations

GPU NUCLEAR CORP. TMI - UNIT 1
ONCE THROUGH STEAM GENERATOR: A
12/13/99

161 Plugged

ABB CENO

FIGURE III-4
OTSG-B
SLEEVE EXAMINATION LOCATIONS



s : 188 : Installe Sleeve Locations
X : 85 : Sleeve Examination Locations

167 Plugged

GPU NUCLEAR CORP. TMI-1
ONCE THROUGH STEAM GENERATOR: B
12/14/99

ABB CENO

FIGURE III-5
OTSG-A
LOWER TUBESHEET CREVICE EXAMINATION LOCATIONS

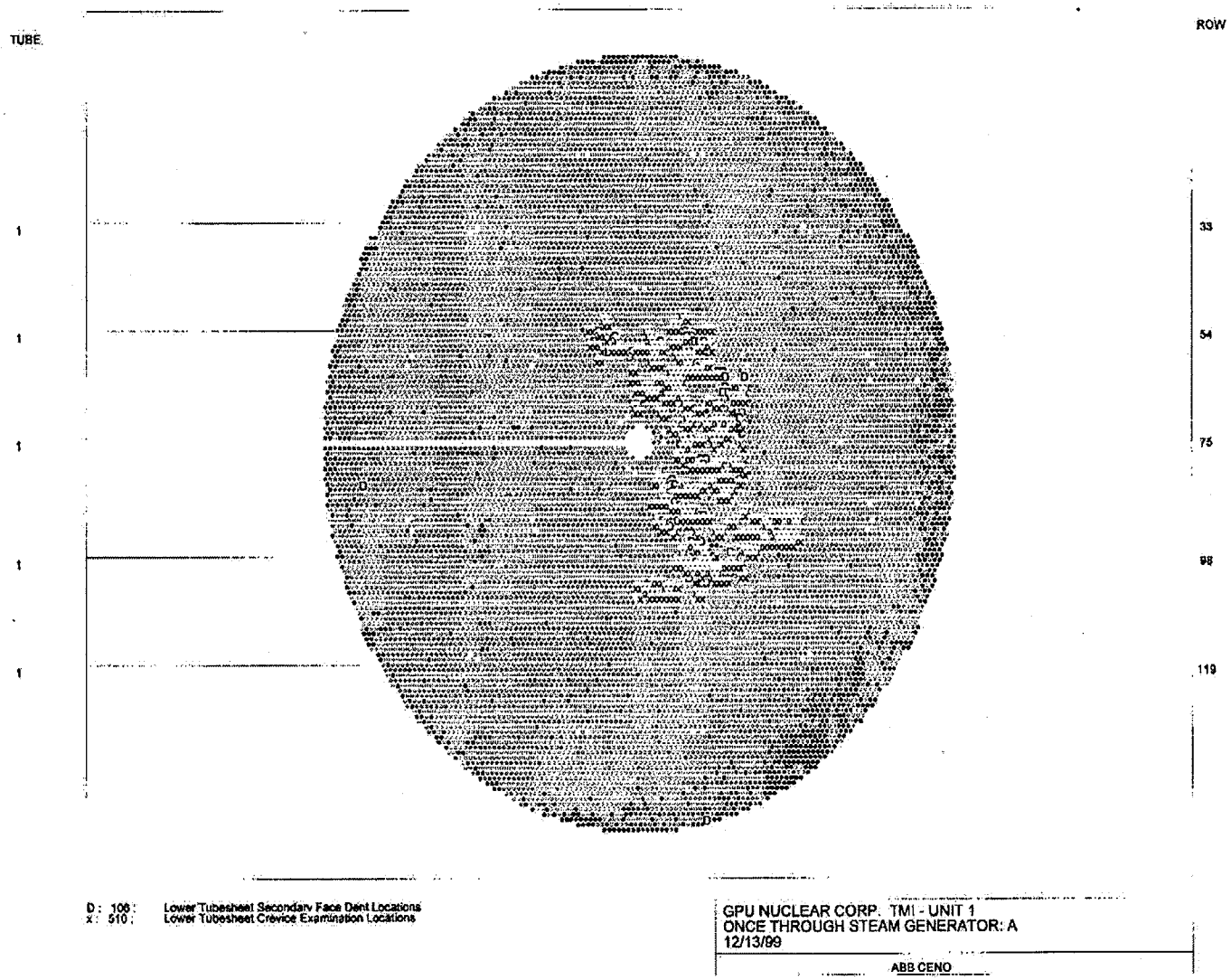
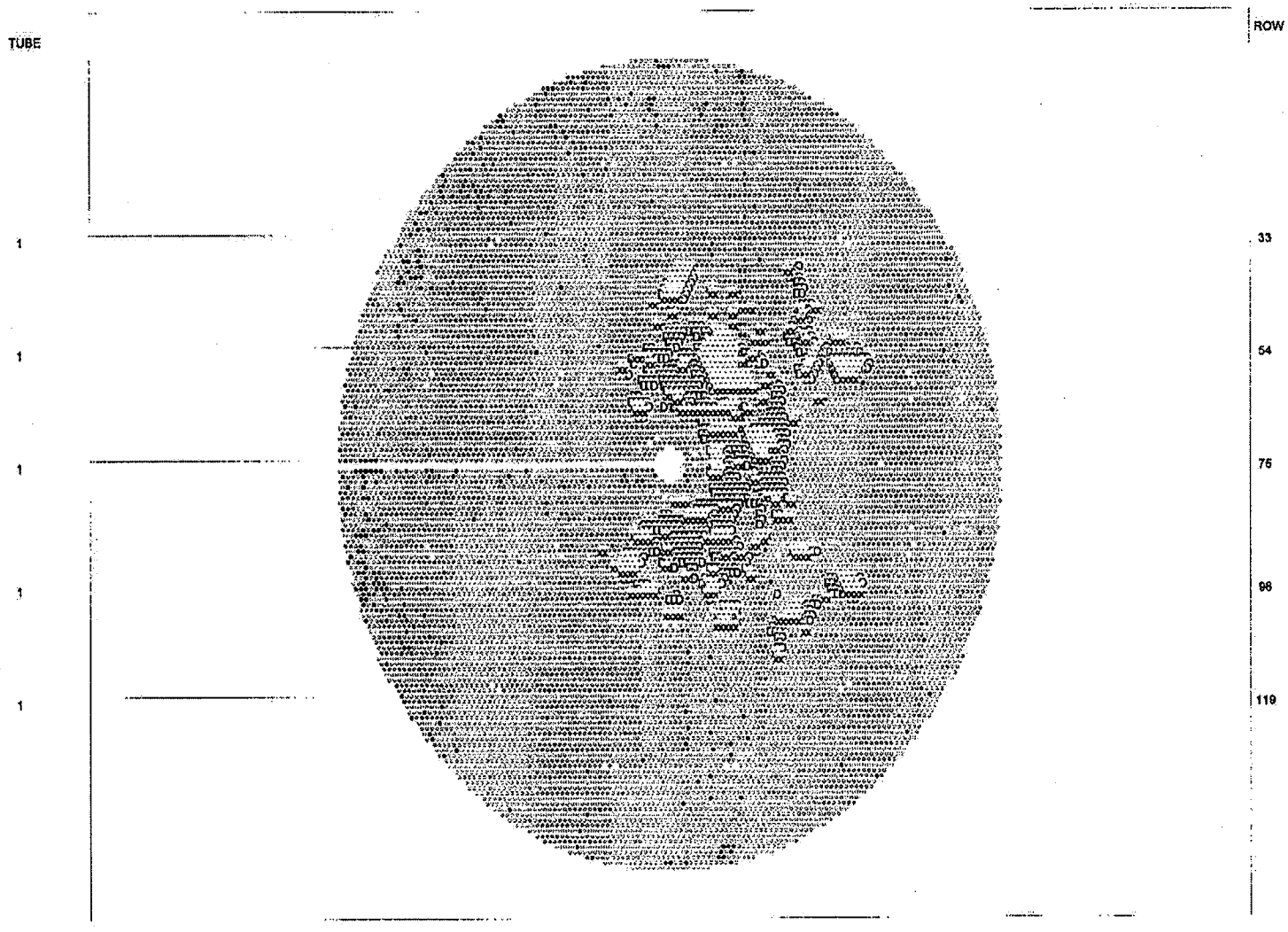


FIGURE III-6
OTSG-B
LOWER TUBESHEET CREVICE EXAMINATION LOCATIONS



D : 646 : Lower Tubesheet Secondary Face Dent Locations
x : 518 : Lower Tubesheet Crevice Examination Locations

GPU NUCLEAR CORP. TMI-1
ONCE THROUGH STEAM GENERATOR: B
12/14/99

ABB CENO

B. EXAMINATION RESULTS

B.1 Tube Examinations (unexpanded Region)

Appendix II of this report provides a listing of all indications of tube wall degradation located between the lower tube ends and the upper tubesheet kinetic expansions. The examination results were reviewed to determine Technical Specification classification requirements per Technical Specification 4.19 and to determine whether other conditions were present which could be indicators of other damage. No secondary side miscellaneous damage such as missing support plates was observed. Since the bobbin inspection sample included 100% of the in-service tubes in each generator, the category classification is for documentation and notification purposes only and could not affect further bobbin coil inspection sample escalation criteria. The three categories are as follows:

C-1 Less than 5% of tubes inspected are degraded and none are defective
C-2 One or more but not greater than 1% of tubes inspected are defective or between 5-10% are degraded
C-3 More than 10% of tubes inspected are degraded or more than 1% are defective

The results of the 13R bobbin inspection at TMI-1 are classified as C-2 for each steam generator based on having one or more but not greater than 1% defective tubes. For purposes of this classification, the following limits applied:

A tube was classified as DEFECTIVE, DEGRADED, or IMPERFECTION in accordance with the TMI-1 Technical Specifications. Every tube with indications confirmed by MRPC was reviewed and assigned a classification. For tubes with multiple indications, the tube was classified based on the most limiting indication detected in that tube.

TRENDING OF ID INDICATIONS

The eddy current results from the Outage 13R inspection were compared to the results of previous inspections to assess whether ID degradation mechanisms are active. Two criteria were used in evaluating the growth of the indications (bobbin coil voltages and length/width measurements).

During Outage 13R, TMI-1 set the ASME calibration standard four 20% through wall hole response equivalent to 4 volts in the "BWOG Mother Standard" using the 400 kHz differential channel and normalized that setting to all other channels. During Outage 11R TMI-1 set the ASME calibration standard four 20% through wall hole response to 10 volts using the 400 kHz differential channel and normalized that setting to all other channels. During Outage 12R TMI-1 set the ASME calibration standard four 20% through wall hole response equivalent to 10 volts in the "BWOG Mother Standard" using the 400 kHz differential channel and normalized that setting to all other channels. For comparison purposes the Outage 11R and 12R bobbin coil voltages are multiplied by 0.4 to correct the value to the equivalent Outage 13R value.

When the Outage 13R bobbin coil voltages are compared to the Outage 11R and Outage 12R voltage responses at the same location, a +0.037 volt and +0.005 volt average increase respectively, is observed. The Outage 12R to Outage 13R indication voltage change standard deviation was 0.07 volts. The Outage 11R to Outage 13R indication voltage change standard deviation was 0.10 volts. These voltage changes are comparable with voltage variations from eight previous outages where the mean change ranged from –0.3 volts to +0.2 volts (corrected voltage value for change from 10 volt normalization to 4 volt normalization is –0.12 volts to +0.08 volts). The eight previous outage standard deviation ranged from 0.2 volts to 0.4 volts (Outage 13R corrected equivalent is 0.08 volts to 0.16 volts). A comparison of Outage 11R and 12R to Outage 13R bobbin coil measured through wall depth also substantiates a no growth conclusion. Table III-4 provides a summary of the bobbin coil voltage and percent through wall changes. Figure III-7 provides a scatter plot of voltage comparisons for ID-initiated bobbin coil indications.

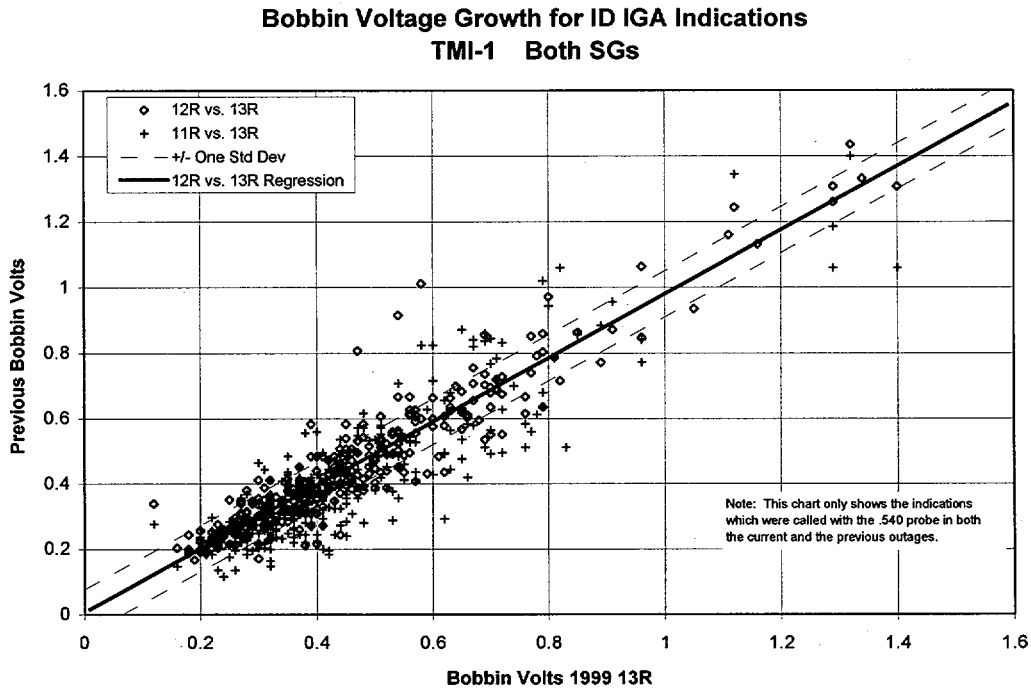
Table III-4

Average Growth for ID IGA Indications

TMI-1 Outage 13R Compared to Outages 10R Through 12R

	NDE Measurement	Operating Period	SG A		SG B		Both SGs	
			No. of Inds	Avg. Change	No. of Inds	Avg. Change	No. of Inds	Avg. Change
Bobbin ID IGA Indications	Bobbin Volts	12R to 13R	313	0.004 V	43	0.010 V	356	0.005 V
		11R to 13R	237	0.030 V	32	0.090 V	269	0.037 V
	Bobbin %TW	12R to 13R	146	0.3%	24	-3.8%	170	-0.3%
		11R to 13R	86	0.7%	9	-5.9%	95	0.1%
ID IGA Below Kinetic Expansion (MRPC)	Axial Extent	12R to 13R	572	0.011"	43	0.018"	615	0.011"
		11R to 13R	25	-0.013"	0	NA	25	-0.013"
		10R to 13R	10	-0.032"	1	0.00"	11	-0.029"
	Circ Extent	12R to 13R	572	0.005"	43	0.003"	615	0.005"
		11R to 13R	25	-0.013"	0	NA	25	-0.013"
		10R to 13R	10	-0.016"	1	0.030"	11	-0.012"
ID IGA In Kinetic Expansions (MRPC)	Axial Extent	12R to 13R	128	0.003"	20	0.006"	148	0.003"
		11R to 13R	1	-0.04"	1	-0.01"	2	-0.025"
		10R to 13R	0	NA	0	NA	0	NA
	Circ Extent	12R to 13R	128	-0.012"	20	-0.005"	148	-0.012"
		11R to 13R	1	-0.06"	1	-0.01"	2	-0.035"
		10R to 13R	0	NA	0	NA	0	NA

Figure III-7



Rotating probe length and width measurements were made for all ID volumetric IGA indications detected during Outage 13R. These lengths were compared to measurements from examinations performed during the previous three outages. The dimensions used for comparison of Outage 13R to Outage 12R were obtained using the 0.080" HF pancake coil probe. The dimensions used for comparison of Outage 13R to Outages 11R and 10R were obtained using the 0.115" mid-range pancake coil probe because only 0.115" mid-range pancake coil data existed for these earlier outages. ID volumetric IGA indications identified during Outages 12R and 13R were actually dispositioned on the basis of the 0.080" high frequency pancake coil measured length and width dimensions.

Table III-4 shows that there was essentially no change in axial or circumferential dimension for the Outages compared. The scatter plots of axial and circumferential dimension comparisons also substantiate no growth (see Figures III-8 through III-11 below). Note that freespan ID IGA >0.25" axial length or >0.52" circumferential width was plugged during Outage 13R in accordance with Reference 2. Three tubes were plugged because they contained freespan ID IGA measured to exceed these dimensions (A2-6, A20-85 and A46-117). All three had measured indications exceeding 0.25" axial length.

Figure III-8

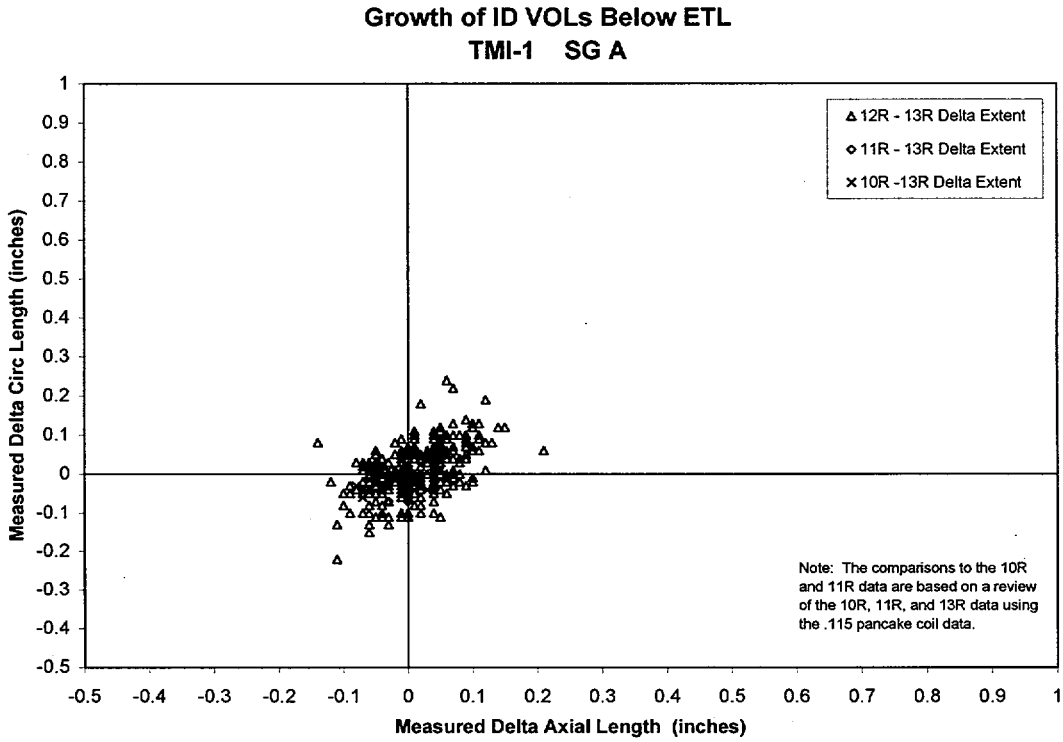


Figure III-9

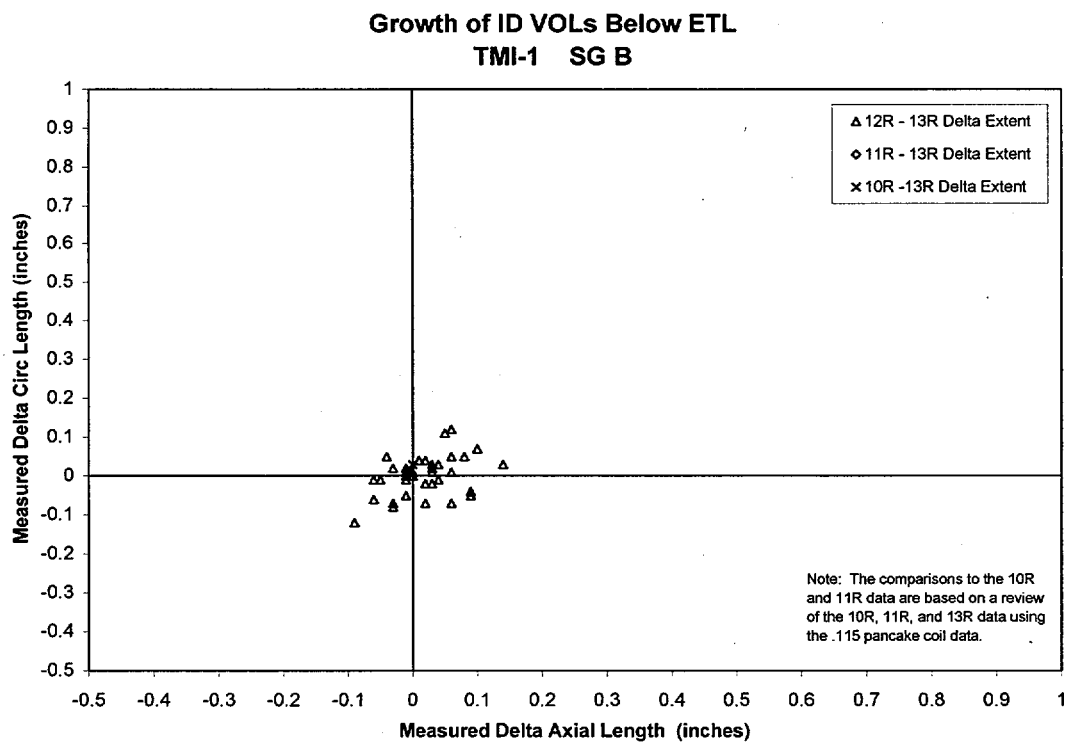


Figure III-10

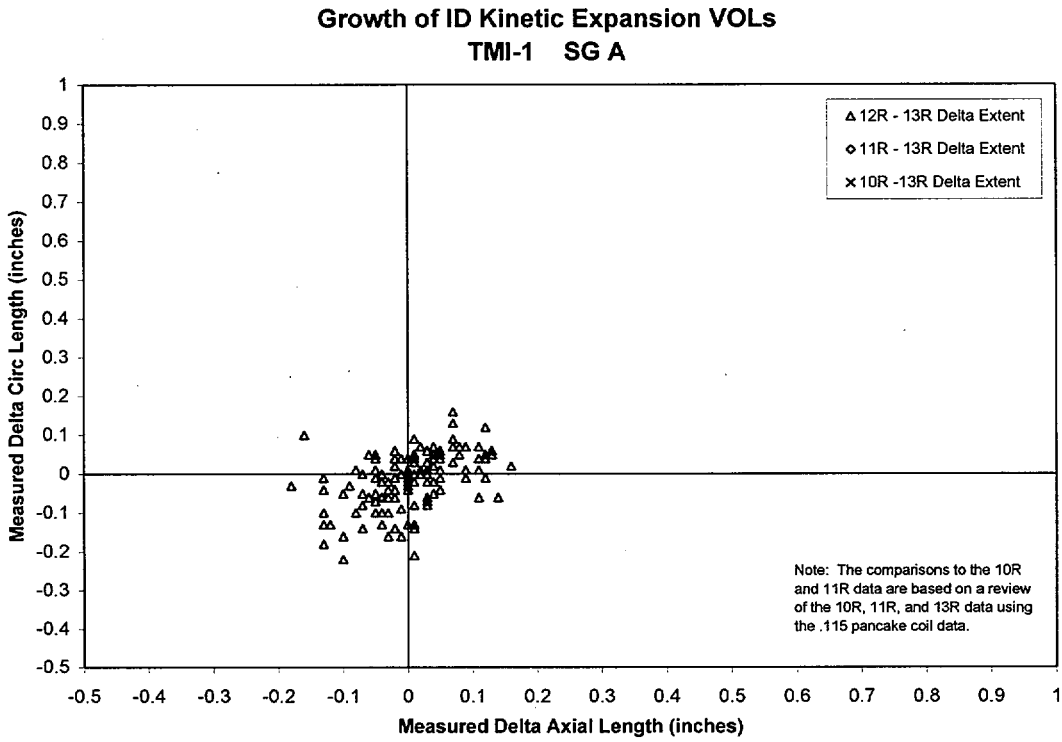
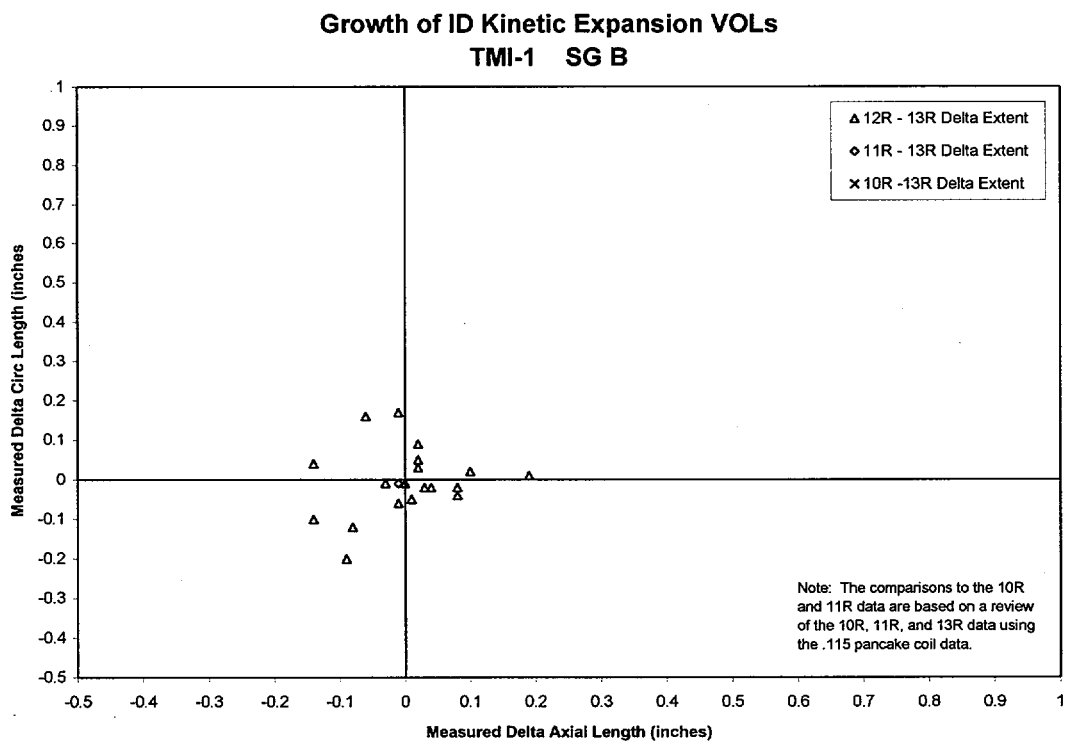


Figure III-11



TRENDING OF WEAR INDICATIONS

Eddy current examinations performed during Outage 13R identified 310 (108 in OTSG A and 202 in OTSG B) wear indications (i.e. tube-to-tube support plate wear). During Outage 13R all bobbin coil support plate degradation indications were examined with the 3 coil MRPC examination technique. Support plate NQI bobbin coil locations with confirmed MRPC indications, similar to wear indications from pulled tubes at other OTSGs, were sized for depth of wall penetration. This sizing utilized a voltage calibration curve from the MRPC probe as qualified in accordance with EPRI Steam Generator Examination Guidelines, Appendix H. Outage 13R was the third outage in which this sizing technique was used at TMI-1.

Figure III-12 provides a tubesheet plot of all wear indications recorded in OTSG-A during Outage 13R and Figure III-13 provides the same for OTSG-B. Review of the plot shows that the wear is generally limited to the lane/wedge or locations outside the tie-rods in OTSG-A. OTSG-B did not exhibit this pattern to the extent that OTSG-A did (a higher percentage of wear indications were located in the interior bundle.) Tubing at the 8th and 9th support plates had the highest number of wear indications (38% of the indications occurred at these locations). OTSG-A had a large concentration of indications at these supports with concentration diminishing quickly outside these supports. OTSG-B exhibited a definite concentration of wear at the 9th support plate with the concentration gradient more gradually spread from the 6th to the 13th support plates. Wear indications were identified at support plate locations as listed on Table III-5. Where more than one elevation exhibited wear in an individual tube, each elevation was counted as a location. This table also illustrates that 65% of the wear indications occurred in OTSG-B while only 35% of the wear indications were in OTSG-A.

Table III-5
Number of Occurrences of Wear by Support Location

Support Plate Location	OTSG-A Occurrences	OTSG-B Occurrences	Total Occurrences
15	3	2	5
14	9	4	13
13	6	13	19
12	5	17	22
11	9	22	31
10	11	10	21
9	23	51	74
8	27	17	44
7	2	21	23
6	1	22	23
5	8	6	14
4	2	10	12
3	1	5	6
2	0	2	2
1	1	0	1
Total	108	202	310

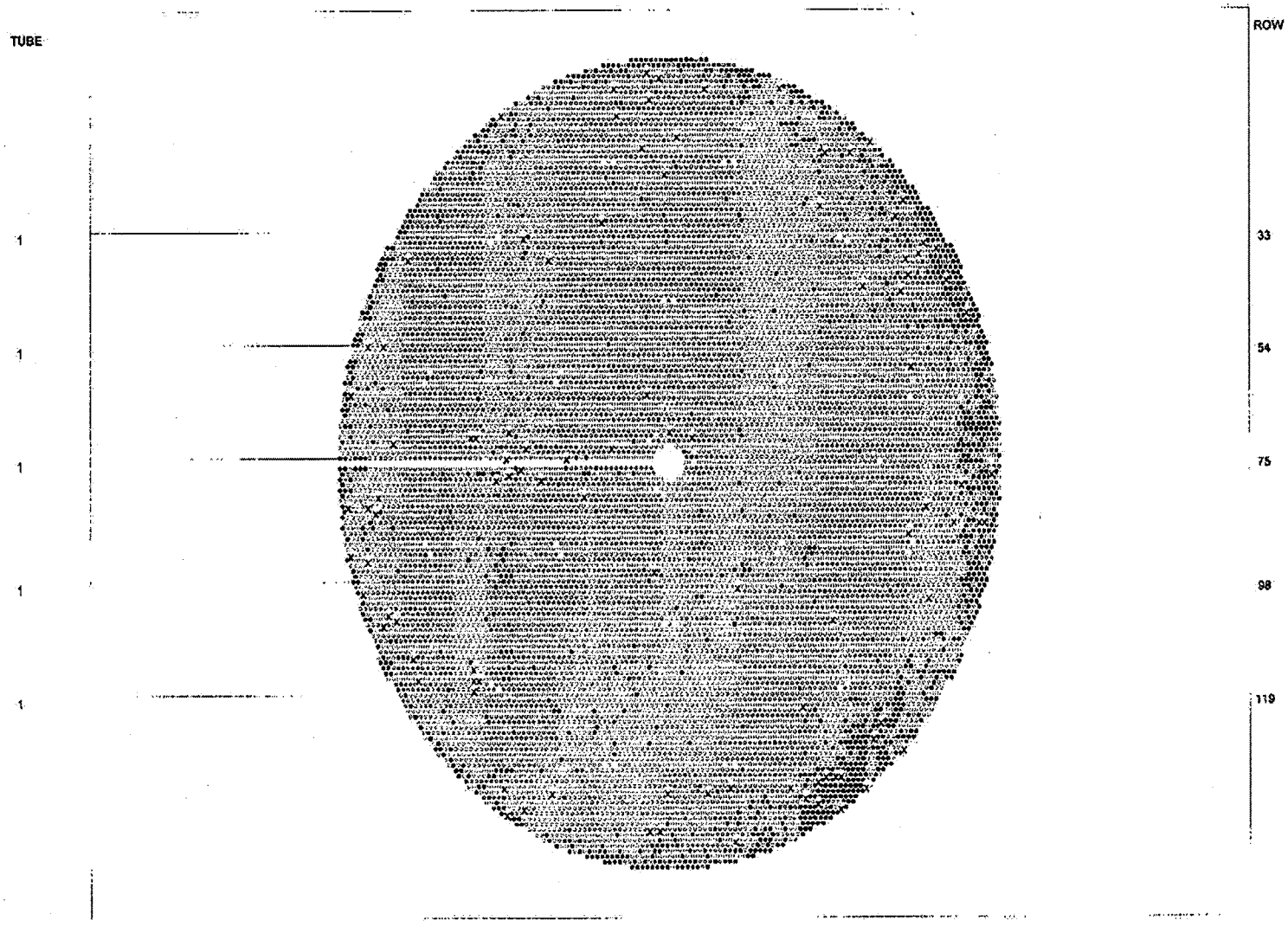
The average through wall loss for these wear indications in OTSG-A is 11.9% and 12.3% in OTSG-B compared to the Outage 12R average wall losses for wear indications recorded of 15.4% and 14.2%, respectively. During Outage 12R there were 214 wear indications recorded. During Outage 13R there were 310 wear indications recorded. The decrease in average measured through wall provides evidence that the increase in the number of indications is probably due more to wear being identified at a lower degradation threshold than actual new wear occurring. Table III-6 also supports the conclusion that existing wear is increasing in depth at a very slow rate.

Table III-6

Tube to Tube Support Plate Wear Summary

Parameter	Operating Period	OTSG-A		OTSG-B		Both OTSGs	
		No. of Inds	Value	No. of Inds	Value	No. of Inds	Value
Average Percent TW Delta	12R to 13R	57	-3.4%	126	-0.9%	183	-1.7%
Average Percent TW Delta	11R to 13R	17	-0.8%	9	0.9%	26	-0.2%
Percent TW Delta Standard Deviation	12R to 13R	57	7.6%	126	5.8%	183	6.5%
Percent TW Delta Standard Deviation	11R to 13R	17	4.9%	9	3.2%	26	4.9%

Figure III-12
OTSG-A TUBE-TO-TUBE SUPPORT PLATE WEAR LOCATIONS

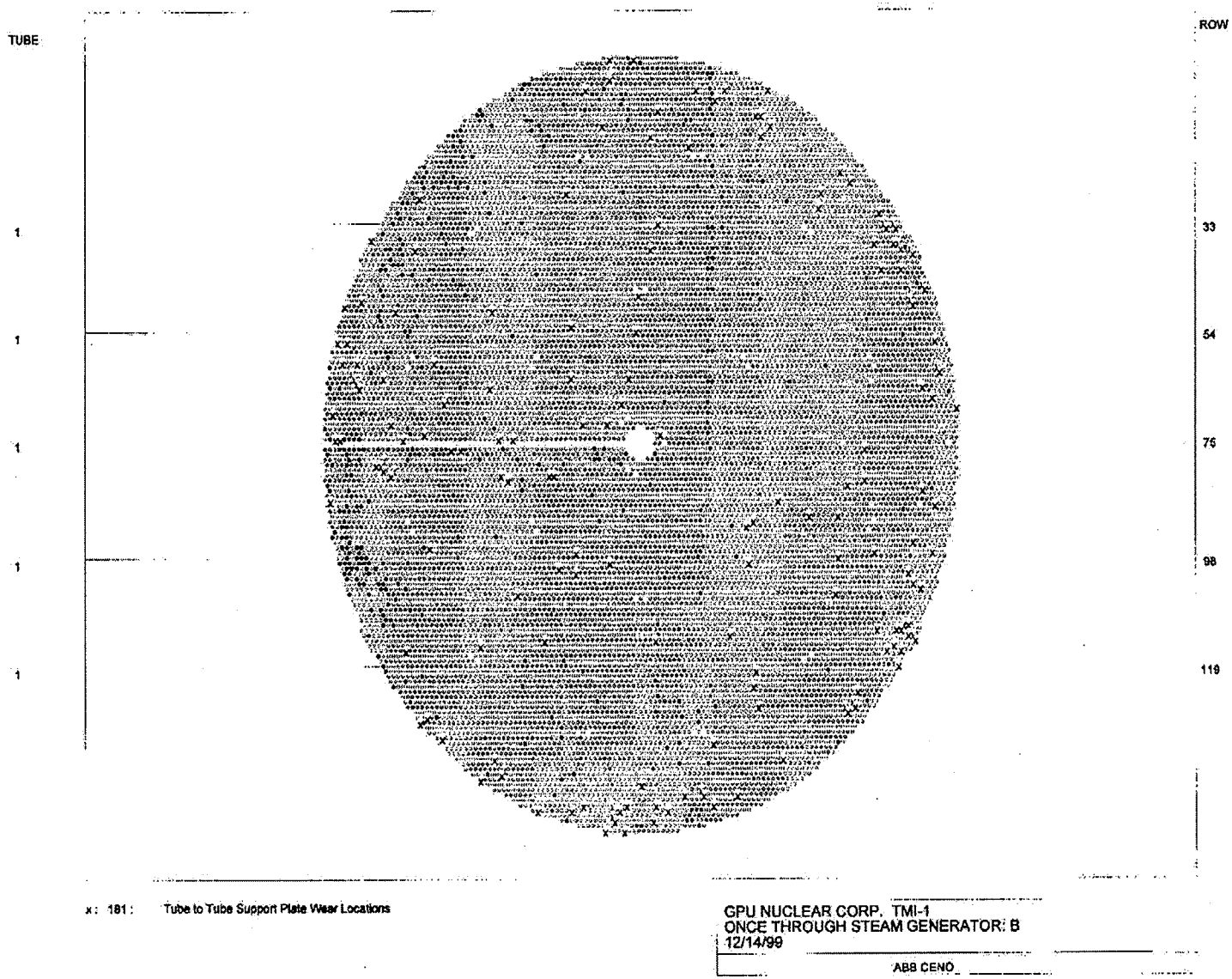


x: 101 : Tube to Tube Support Plate Wear Locations

GPU NUCLEAR CORP. TMI - UNIT 1
ONCE THROUGH STEAM GENERATOR: A
12/14/99

ABB CENO

Figure III-13
OTSG-B TUBE-TO-TUBE SUPPORT PLATE WEAR LOCATIONS



OTHER INDICATIONS

Ten tubes were evaluated as having outside diameter initiated wall degradation other than tube to tube support plate wear and were dispositioned as defective tubes. This is the same disposition practice as was implemented during Outage 12R so all indications in this category are considered newly detected degradation. Table III-7 below details information about these indications:

Table III-7
Confirmed Outside Diameter Indications

Tube	Location	Bobbin Indication	MRPC Indication	Comments
A-38-74	LTS +2.01"	0.48 Volt NQI	OD SVI	0.15" Circ Length by 0.12" Axial Length
A-71-36	15S +8.65"	4.17 Volt NQI	SAI	0.36" Axial Length[2]
A-80-88	15S +16.33"	0.16 Volt NQI	OD SVI ("Groove IGA")	0.15" Circ Length by 1.35" Axial Length
A-85-22	14S +30.31"	0.24 Volt NQI	OD SVI	0.22" Circ Length by 0.11" Axial Length
A-136-80	14S +34.04"	0.38 Volt NQI	OD SVI	0.22" Circ Length by 0.22" Axial Length
B-9-23	15S –8.47" 15S –10.03"	0.27 Volt NQI 0.19 Volt NQI	"Groove IGA" "Groove IGA"	0.26" Axial Length 0.46" Axial Length
B-48-87	UTS –2.38"	0.32 Volt NQI	OD SVI	0.21" Circ Length by 0.22" Axial Length
B-80-50	15S +29.05"	0.37 Volt NQI	"Groove IGA"	4.74" Axial Length
B-113-2	14S +27.94"	0.67 Volt NQI	"Groove IGA"	1.13" Axial Length
B-120-93	04S –0.63" 04S –0.92"	0.37 Volt NQI 0.51 Volt NQI	OD SVI OD SVI	0.23" Circ x 0.11" Axial Length 0.28" Circ x 0.13" Axial Length

The above table indicates that there were three distinct types of indications. Five tubes had OD volumetric "Patch-Like" IGA typical of OD volumetric IGA found in other OTSG's. Four tubes had OD "Groove IGA" typical of other OTSG's. One tube (A71-36) had a complex signal formation and was considered OD because of similarities to signals from pulled tubes from other steam generators. The Outage 13R Condition Monitoring and Operational Assessments considered the impact of this degradation (see Section IV of this report).

[2] Complex signal formation prevented definite determination of surface of origin for this indication.

2. Kinetic Expansion Examinations

Appendix III lists all indications located at ETL (Expansion Transition Location) +0.0" or above as a result of rotating probe examinations.

Structural Integrity

The results of the kinetic expansion inspection yielded fourteen tubes that exceeded the criteria for structural integrity. Twelve of these were in OTSG-A tubes and two of these were in OTSG-B tubes. Two tubes in OTSG-A were preventively plugged for kinetic expansion indications. One tube plugged had a 22" kinetic expansion and the remaining tubes had 17" kinetic expansions.

Approximately 40% of the in service kinetic expansions were in the original plan to be inspected. Therefore, there was a possibility of a scope expansion to include the other tubes not examined. The tubes included in the 40% sample were segregated into 1S (3%), 2S (6%), and 4S (12%) samples before the outage. In addition, several tubes were inspected in the kinetic expansion region which were not included in the original plan. These tubes included ones run out of scope or scheduled for special interest examinations. All of these additional tubes were added to the 4S sample.

Tables III-8 and III-9 show the breakdown of the tubes into the 1S, 2S, and 4S sample results. The "Defect Trip Point" in the tables is the number of tubes, with defects exceeding the structural criteria, which would have resulted in expanding the inspection to 100% of the in-service tubes. As shown in the tables, fourteen tubes had indications that exceeded the criteria for structural integrity. None of the samples reached the defect trip point. Therefore, no increases in examination scope were necessary.

Theoretical MSLB Leakage Calculations

There were a total of 108 potential leakage-contributing indications (59 in OTSG-A, 49 in OTSG-B) detected during Outage 13R. Only 9 of these indications (3 in OTSG-A, 6 in OTSG-B) were "full" leakage contributors; all of the others had the leakage reduction factor applied. 72 of the 108 leakage contributors were in tubes with 17" expansions. Since only a sample of the tubes were examined, the leakage from these tubes was increased to account for the tubes not examined. One method of doing the projection is to determine the leakage per tube for the tubes inspected and multiply the leakage by the number of tubes in service. This would be an overly conservative approach, however, since all of the in-service leakage contributors from Outage 12R were re-examined in Outage 13R, i.e., the population of tubes inspected in 13R was biased toward known leakage contributors. To account for this fact, two different leakage values were calculated and added together to obtain the total leakage for this damage mechanism (one for the tubes which were inspected in 13R and another for the tubes which weren't examined in either Outage 12R or 13R). For the tubes which were examined in Outage 13R, the leakage was determined using the criteria provided in Reference 13. To estimate the leakage for the remaining unexamined tubes, a leakage per tube was calculated based on the tubes examined in Outage 12R and 13R. This leakage was then applied to the remaining unexamined tubes. This estimated leakage for the unexamined tubes was then added to the actual calculated leakage for the tubes examined in Outage 13R to obtain a total projected leakage from the kinetic expansions.

Table III-10 summarizes the results of the leakage calculation.

Table III-8
OTSG-A Kinetic Expansion Examination Results

Expansion Type	22"/17"	17"	17"		
Sample	1S (3%)	2S (6%)	4S	Total	
Tubes Inspected	492	942	4563	5997	
No Degradation	372	835	4023	5230	
Degradation But Acceptable By GPU Structural Acceptance Criterion	118	105	532	755	
Degradation And Unacceptable By GPU Structural Acceptance Criterion	2	2	8	12	
Defect Trip Point	5	10	46	NA	
Leakage Contributors	25	11	23	Projected	Limit
2 Hour Leakage (gals)	2.6	0.9	2.0	7.8	3228
Duration Leakage (gals)	22.9	7.0	14.9	62.0	9960

Table III-9
OTSG-B Kinetic Expansion Examination Results

Expansion Type	22"/17"	17"	17"		
Sample	1S (3%)	2S (6%)	4S	Total	
Tubes Inspected	510	942	4446	5898	
No Degradation	467	936	4391	5794	
Degradation But Acceptable By GPU Structural Acceptance Criterion	42	6	54	102	
Degradation And Unacceptable By GPU Structural Acceptance Criterion	1	0	1	2	
Defect Trip Point	6	10	45	NA	
Leakage Contributors	35	2	12	Projected	Limit
2 Hour Leakage (gals)	15.6	2.5	12.9	46.1	3228
Duration Leakage (gals)	119.4	22.5	87.5	337.3	9960

Table III-10

Kinetic Expansion Leakage Summary

	SG A			SG B		
SAMPLE SET OF TUBES	**No. of Tubes**	**2 Hour Leak**	**Dur Leak**	**No. of Tubes**	**2 Hour Leak**	**Dur Leak**
Insp In 13R	5997	5.5	44.8	5898	31	229.4
Insp In 13R And 12R	388	2.7	23.5	316	15.6	119.4
Insp In 13R; Not Insp In 12R	5609	2.8	21.3	5582	15.4	110
Not Insp In Either 13R Or 12R *	4843	NA	NA	5785	NA	NA
Leakage Projected Over Entire Population of In-Service Tubes **	14231	**7.8**	**62.0**	15136	**46.1**	**337.3**

* These numbers are based on the tubes which were in service prior to the 13R inspection.

** The projected leakage was derived by using the following formula:

$$L_{Projected\,13R} = L_{Insp\,13R} + \left[\frac{L_{Insp\,13R;NotInsp\,12R}}{T_{Insp\,13R;NotInsp\,12R}}\right] T_{NotInsp\,12R_or_13R}$$

where "L" signifies a leakage value and "T" signifies number of tubes inspected.

3. Tube End Repairs

No service induced degradation was identified during these examinations.

4. Lower Tubesheet Crevice

No service induced degradation was identified during these examinations.

5. Sleeve Examinations

No service induced degradation of I-690 sleeves or of parent tubes was identified during any of these examinations.

C. IN-SITU PRESSURE TESTING RESULTS

All three tubes were successfully tested with no burst or leakage at test pressures up to 4350 psig. The test sequence and results are detailed in FTI document 51-5005946-00 (Reference 12). A summary of the candidates and test results is given in Table III-11.

TABLE III-11

IN SITU PRESSURE AND LEAK TEST RESULTS
TMI-1 SG B 09/99 13R

TUBE AND EDDY CURRENT INFORMATION														IN-SITU TEST RESULTS			
SG	Region	Tube Information			Plus Point Data					Bobbin Data			Comments	GPM @ NOPD	GPM @ MSLB	GPM @ 3xNOPD	Maximum Pressure
		Row	Col	Location	Axial Length	Circ Length	Volts	Est. %	Orientation	Ind	Volts	Est. %					
SG B	Upper TS	61	19	ETL -0.31		0.31	4.51	94	ID SCI	NDD			UTS Circ	0	0 *	0	4350
	Freespan	80	50	15S +29.05 to +33.79	4.74		0.46		OD SAI	NQI	0.37	47	Freespan Ax	0	0	0	4350
		113	2	14S +27.94 to +29.07	1.13		0.43		OD SAI	NQI	0.67	67	Freespan Ax	0	0	0	4350

* Note: An additional axial load was applied during this test to impart 1402 lbs. axial tensile load on this indication. This indication was also tested at 500 psi with a 2350 lbs. axial load applied (to simulate SB LOCA) with no leakage.

NOTE: NOPD = 1305 psid
MSLB = 2575 psid
3xNOPD = 3915 psid

TS: Tubesheet
UTSF: Upper Tubesheet Secondary Face
ETL: Expansion Transition Location
NQI: Non Quantifiable Indication
NOPD: Normal Operating Pressure Differntial
MSLB: Main Steam Line Break

Note-The ECT data in this table is based on analysis results produced at a date later than the data used to produce a similar table in Reference 14.

IV. CONDITION ASSESSMENTS

A. CONDITION MONITORING

The primary-to-secondary leakrate from the TMI-1 steam generators during the cycle preceding the 13R Outage was very low. During the last week of the operating cycle the calculated leakrate was less than 0.01 gallons per hour.

During the outage all of the in service tubes were inspected using eddy current probes.

In-situ pressure testing was conducted during the 13R outage to assess the ability of the most limiting flaws found during the eddy current inspections to withstand a postulated Main Steam Line Break (MSLB) event on the last day of the just-completed operating cycle. As described in Section II.D and Table III-11 the tubing was subjected to pressure loads corresponding to Normal Operating, Main Steam Line Break, and Regulatory Guide 1.121-prescribed differential pressures. (The eddy current test results were reviewed to select the most limiting flaws from a leakage and structural integrity perspective. The intent was to select flaws that would bound in severity the remaining population of untested flaws. Successful testing of the limiting flaws would then assure that the remaining flaws would maintain structural and leakage integrity during a postulated MSLB.) Section II.D.2 and Table III-11 of this document provide detailed information on the eddy current results for the tubes selected for in-situ pressure testing. Since the remaining tubes in the steam generators were bounded by tubes that were successfully in-situ tested, all in-service tubes would have maintained structural and leakage integrity during a postulated MSLB accident on the last day of the cycle preceding the outage.

As discussed in Section II.C.2, eddy current indications in the upper tubesheet kinetic expansions were *assumed to leak* during a postulated MSLB if their through wall extent (as estimated by a Plus-Point coil) was 67% TW or greater. Each of these potential "leakage contributor" indications was conservatively evaluated to determine the volume of primary-to-secondary leakage associated with that indication if an MSLB had occurred. These accident-induced leakage volumes were summed for each of the indications and, since approximately 40% of the expansions were examined, a factor was determined to predict the hypothetical leakage from all of the expansions. The resulting calculated leakage was considerably less than that allowed by the plant's FSAR. (See Tables III-8 through III-10.)

All of the plant's steam generator tubes were inspected. In-situ pressure testing was a primary tool to demonstrate the ability of the freespan tubing to withstand accident-induced loads at the end of the just-completed operating cycle. The kinetically expanded tubing was examined with MRPC probes and an assessment of the postulated leakage was conservatively developed. The degradation observed during the 13R Outage was evaluated in a manner consistent with NEI 97-06 and the EPRI Guidelines. The evaluations indicate that the observed degradation did not present serious challenges to the structural margin requirements at the end of the last cycle of operation, or challenge the plant's leakage integrity limits. The results of these evaluations demonstrated that the plant's steam generator tubes would have been able to safely withstand the effects of postulated accidents on the day preceding the subject outage.

B. OPERATIONAL ASSESSMENT

ID-initiated indications were the predominant reason for which TMI-1 "A" steam generator tubes were plugged. In the "B" generator, more tubes were plugged for O.D.-initiated indications than were plugged due to I.D.-initiated indications. The I.D. indications are believed to be remnants of the thiosulfate damage that occurred to the ID surfaces of the tubes in 1981. As discussed in Section III.B.1, the growth rate for ID IGA indications/flaws is believed to be zero.

Including two preventively plugged tubes, kinetic expansion examinations accounted for sixteen plugged tubes in both OTSGs. TMI-1 has now examined approximately 60% of the kinetic expansions over the last 2 outages with MRPC probes. As reported in Section III.B.1, TMI-1 compared the kinetic expansion inspection results of these last two outages and has concluded that the indications within the kinetic expansions are not growing. TMI-1 will continue the kinetic expansion examinations during the next outage, and the results of those examinations will be compared to the Outage 12R and 13R results.

An operational assessment of the 13R Outage inspection results was successfully performed using methods consistent with NEI 97-06 and the EPRI Guidelines. None of the indications/flaws noted during the 13R Outage indicate that the probability of rupture/burst of a TMI-1 tube under postulated accident loads exceeds a value that precludes full cycle operation. The operational assessment report is available at the site for NRC staff inspection, if desired.

V. CONCLUSIONS

Based on the results of the 1999, Outage 13R ECT examinations and data evaluations, TMI-1 was able to reach the following conclusions:

1. Evaluation of the ID IGA indications continues to indicate no trend of ongoing degradation.
2. Groove IGA is an active damage mechanism at TMI-1. However, the number of indications and flaw growth rates continue to support full cycle operation.
3. Tube-to-tube support plate wear, while active, is not fast growing.
4. Lower tubesheet OD degradation was not detected during examination of the most susceptible regions with MRPC probes.
5. The installed sleeves and parent tubing continued to perform without degradation.
6. OD volumetric IGA (similar to volumetric IGA in other OTSGs) has been detected at TMI-1 in small numbers.
7. Condition monitoring supported a conclusion that the steam generators were operable on the last day of Cycle 12.

VI. REFERENCES

1. TMI-1 Technical Specification 4.19, "OTSG Tube Inservice Inspection".
2. TMI-1 Technical Specification Change Request 277 (Including RAI's) and resulting License Amendment No. 209.
3. Letter from J. Knubel of GPU Nuclear to USNRC, "Cycle 11 Refueling (11R) Outage Once Through Steam Generator (OTSG) Tube Inspection Report with ASME Form NIS-1 Covering the 11R OTSG Inservice Inspections", 08/01/96.
4. Three Mile Island Nuclear Station Unit No. 1 Surveillance Procedure 1300-4B, Rev. 10, "Eddy Current Examination of OTSG", 07/29/99.
5. Framatome Technologies Procedure 54-ISI-400-09, "Multi-Frequency Eddy Current Examination of Tubing".
6. GPU Nuclear Calculation C-1101-224-E280-072, Revision 1, "ID IGA Flaw Detection and Sizing Performance for the Bobbin Coil Eddy Current Examination Technique.
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10. ASME Boiler and Pressure Vessel Code, Section XI, "Rules for Inservice Inspection of Nuclear Power Plant Components", 1986 Edition.
11. USNRC Regulatory Guide 1.121, "Bases for Plugging Degraded PWR Steam Generator Tubes", August 1976.

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17. Framatome Technologies Report 51-5005406-00, W. E. Brooks-Crocker, "Qualified Eddy Current Examination Techniques for Three Mile Island Unit #1".

18. Letter from J. Langenbach of GPU Nuclear to USNRC, "GPU Nuclear Response to NRC Requests Regarding the OTSG Kinetic Expansion Region Inspection Acceptance Criteria for 12R Examinations", 07/30/99.

19. EPRI Report TR-107620-R1, "In-Situ Pressure Test Guidelines: Revision 1"

ANALYSIS CHARACTERIZATION AND REPORTING CODES

Code	*Definition*
ADI	Absolute Drift Indication -- reported when the analyst interprets an absolute bobbin signal as anomalous and requiring further disposition that cannot be properly reported with a differential channel.
ARC	ARC Length – signifies a circumferential length measurement has been recorded. Denotes that the measurement in the volt field is the circumferential length measurement of an indication in inches based on outside diameter and the measurement in the DEG field is the circumferential extent measurement of an indication in degrees. Requires activation of two measurement features in the CScan user selects window.
BLG	Bulge -- an indication that the diameter of the tubing has been altered in a bulge-like fashion (increase in tubing diameter).
BNF	Bobbin Not Found -- used to answer a bobbin examination for an indication noted with a rotating exam which is not present (NDD) in the bobbin data.
BNR	Bobbin Not Reportable -- used to answer a bobbin examination for an indication noted with a rotating exam when the indication is present but not reportable in the bobbin data.
BVC	Below Voltage Criteria -- an indication evaluated with the bobbin probe to be ID originated and less than 0.4 volt (based on 4 volt normalization) and less than 3:1 signal-to-noise ratio and is therefore not applicable for the assignment of a %TW depth measurement.
CLP	Clip Plot Measure -- denotes that the measurement in the UTIL1 field is the circumferential length measurement of an indication in inches and the measurement in the UTIL2 field is the axial length measurement of an indication in inches.
DNT	Dent -- used to annotate a reduction in tube diameter anywhere in the tube.
DRS	Distorted Roll Signal -- a sleeve roll which displays distortion not associated with degradation. An example of this may be a roll with one transition displaying a sharp entrance or exit similar to probe snap but which cannot be removed through successive examination using push or pull techniques.
GMD	Geometric Discontinuity -- an indication which represents a change in material geometry with no associated degradation.
HR	Historical Review -- a code used in the UTIL1 field to document compliance with a requirement to review historical examination data for a particular indication.
IDC	ID Chatter – caused by manufacturing process (pilgering). Characterized by long areas of horizontal motion.
ID OK	Tube Identification OK – a code used in the UTIL1 field to document compliance with a requirement to review current examination data for duplicate tube encodes. In this case, a duplicate tube encode exists in the same examination technique signifying the tube was examined more than once and it is desired to verify and document the accuracy of the examinations.
INF	Indication Not Found -- this designator is used only if a previously identified indication is not recurring. In this case, a tubing number check shall be performed and tubesheet signature shall be reviewed to verify that the correct tube is being examined.
INR	Indication Not Reportable – an indication that has been previously reported but does not meet current reporting criteria.
IRR	Irregular Roll – a sleeve roll which displays irregularity not associated with degradation. An example of this may be a roll with a tapered expansion, a much smaller or larger expansion than normal, a very short expansion, or a case where the two lower expansions overlap resulting in what appears to be one long roll.
LEN	Length Measure -- denotes that the measurement in the Volts field is the axial length measurement of an indication in inches.
LPI	Loose Part Indication -- used to identify tube wall degradation that is believed to be a result of contact with a loose part. The loose part may or may not be present. Adjacent tubes shall be checked to determine if other tubes have been affected by the loose part.

ANALYSIS CHARACTERIZATION AND REPORTING CODES

Code	*Definition*
MAI	Multiple Axial Indication -- an MRPC call determined from indication morphology
MBM	Machine Burnish Mark (or Manufacturing Buff Mark) -- an indication believed to be produced from a condition resulting from the final hand polishing or grinding operations on the tubing during manufacture which is performed to remove imperfections on the tube's outer surface. An indication must have repeatable history to be considered an MBM.
MCI	Multiple Circumferential Indication -- an MRPC call determined from indication morphology
MMI	Mixed Mode Indication -- an MRPC call determined from indication morphology. This code shall only be used if the indication morphology reflects a situation which would lead the analyst to believe that an axial and circumferential indication have linked in some fashion (for example, a "T" or "L" shaped crack-like indication).
MSG	Message -- a code used in a report line entry to signify that the associated data in that entry relates to an informational note about the subject tube. Enter the comment in the Location Field.
MVI	Multiple Volumetric Indication -- an MRPC call determined from indication morphology
NDD	No Detectable Degradation -- designator used for an examination that indicates that the region inspected is free of detectable degradation. The actual entry of the code is not required.
NDF	No Degradation Found -- designator used for a rotating examination to disposition an area of interest that another technique has flagged as needing to be inspected, but when inspected with the rotating technique no degradation was identified. The actual entry of the code is required along with the location identified by the implementing examination and the actual extent from the rotating technique.
NEX	No Expansion -- no roll or expansion where one should be.
NQI	Non Quantifiable Indication -- a bobbin coil signal identified by the analyst as possibly containing an indication, however due to noise, lack of multi-frequency channel correlation, or other signal peculiarities, the analyst cannot sufficiently interpret the signal to draw any conclusion. This is an interim disposition.
OBS	Obstructed Tube -- used only if the acquisition operator has identified the tube as being unable to pass the probe due to a restriction
PBA	Prior Bobbin Analysis -- code assigned to a specific data record to provide a means of clearing the record through data management without re-reporting indications already reported during a previous scan of the same area.
PID	Positive Identification -- this designates that at least one confirming ET inspection has been performed on the area of interest with the results indicating that the initial and confirming analysis results are in concurrence. Analysts will use the exact location from the indication of interest when reporting the PID.
PLG	Plugged – permanent plug installed in a tube.
PLP	Possible Loose Part -- shall be reported when ET provides evidence of a possible loose part adjacent to or in the vicinity of a tube. Adjacent tubes shall be checked to determine if there is a PLP signal or any indication of wall loss from the loose part.
PRA	Prior Rotating Analysis -- code assigned to a specific data record to provide a means of clearing the record through data management without re-reporting indications already reported during a previous scan of the same area.
PVN	Permeability -- shall be reported only if suspected of masking an indication or as otherwise required by a specific ETSS requirement
SAI	Single Axial Indication -- an MRPC call determined from indication morphology
SCI	Single Circumferential Indication -- an MRPC call determined from indication morphology

ANALYSIS CHARACTERIZATION AND REPORTING CODES

Code	*Definition*
SLG	Sludge -- designator used to annotate sludge elevation
SLV	Sleeve Indication -- all indications observed in the sleeve material shall be identified with this code in UTIL1 field.
SSA	Secondary Side Anomaly – an indication believed to be produced from foreign material on the secondary side, which is not a loose part.
SVI	Single Volumetric Indication -- an MRPC call determined from indication morphology
TSD	Tube Support Plate Damaged -- tube support plate appears to be significantly eroded/damaged.
TSM	Tube Support Plate Missing -- no tube support plate signal is present at the expected location.
TUB	Parent Tubing Indication -- any indication in the parent tube material in the sleeved region shall be identified with this code in UTIL1 field.
VOL	Volumetric Indication -- an MRPC indication that is not crack-like yet has some discernible volume to it and is deemed non-repairable. Example, an indication in the tube freespan that is dispositioned with axial and circumferential dimensions less than the repair limit. For TMI-1 primary and secondary analysts may use this code for all volumetric indications. Resolution analysts may only use this code for ID IGA indications (inside diameter initiating volumetric indications) which have a measured axial length of ≤0.25" and a measured circumferential length of ≤0.52" when measured in accordance with the applicable ETSS.
WAR	Wear Call -- used in UTIL1 Field for rotating examinations. Indications will be labeled WAR only after the criteria for disposition of indications at TSPs is met.

THREE MILE ISLAND UNIT 1
OTSG-A
OUTAGE 13R
FREESPAN INDICATIONS

This appendix provides information for all bobbin coil freespan indications which were recorded with a voltage ≥0.01 volts and were not associated with a re-examination required code or a prior bobbin coil analysis code. MRPC probe information is provided for indications recorded with a location below the fully expanded region of the upper tubesheet kinetic expansion and not associated with a re-examination code. Tube number for tubes with volumetric ID IGA have been denoted in **BOLD** print. Information for tubes removed from service during Outage 13R has been denoted by *ITALICIZED* print. "Cr" in this appendix indicates a circumferential measurement for a volumetric indication and "Ax" indicates an axial measurement for a volumetric indication. The definition of other codes may be located in Appendix I.

Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
1	***4***	*00295*	*520HF*	*Cr 0.10*	*Ax 0.16*	*12S+ 2.3*	*SPEC-INT*	*13R*
		00295	*520HF*	*0.5 16*	*VOL*	*12S+ 2.3*	*SPEC-INT*	*13R*
		00380	*520HF*	*0.2 11*	*PID*	*12S+ 2.5*	*SPEC-INT*	*13R*
		00295	*520HF*	*1.7 12*	*VOL*	*12S+ 2.5*	*SPEC-INT*	*13R*
		00295	*520HF*	*Cr 0.15*	*Ax 0.21*	*12S+ 2.5*	*SPEC-INT*	*13R*
		00285	*540HF*	*0.3 9*	*INR*	*12S+ 2.6*	*540-MIZ30*	*13R*
		00295	*520HF*	*Cr 0.10*	*Ax 0.16*	*12S+ 5.5*	*SPEC-INT*	*13R*
		00295	*520HF*	*0.2 26*	*VOL*	*12S+ 5.5*	*SPEC-INT*	*13R*
		00285	*540HF*	*0.3 2*	*INR*	*12S+ 5.6*	*540-MIZ30*	*13R*
		00265	*520HF*	*Cr 0.17*	*Ax 0.19*	*12S+ 6.8*	*SPEC-INT*	*13R*
		00265	*520HF*	*0.3 14*	*VOL*	*12S+ 6.8*	*SPEC-INT*	*13R*
		00285	*540HF*	*0.4 3*	*INR*	*12S+ 7.0*	*540-MIZ30*	*13R*
		00295	*520HF*	*0.6 22*	*VOL*	*13S+ 6.5*	*SPEC-INT*	*13R*
		00295	*520HF*	*Cr 0.15*	*Ax 0.21*	*13S+ 6.5*	*SPEC-INT*	*13R*
		00285	*540HF*	*0.7 6*	*ID 20*	*13S+ 6.6*	*540-MIZ30*	*13R*
		00295	*520HF*	*0.3 22*	*VOL*	*13S+ 10.6*	*SPEC-INT*	*13R*
		00295	*520HF*	*Cr 0.10*	*Ax 0.16*	*13S+ 10.6*	*SPEC-INT*	*13R*
		00380	*520HF*	*0.0 0*	*PRA*	*13S+ 11.9*	*SPEC-INT*	*13R*
		00295	*520HF*	*0.4 22*	*VOL*	*13S+ 12.0*	*SPEC-INT*	*13R*
		00295	*520HF*	*Cr 0.15*	*Ax 0.22*	*13S+ 12.0*	*SPEC-INT*	*13R*
		00295	*520HF*	*Cr 0.10*	*Ax 0.11*	*13S+ 12.2*	*SPEC-INT*	*13R*
		00295	*520HF*	*0.7 20*	*VOL*	*13S+ 12.2*	*SPEC-INT*	*13R*
		00285	*540HF*	*0.5 5*	*ID 17*	*13S+ 12.2*	*540-MIZ30*	*13R*
		00295	*520HF*	*0.3 21*	*VOL*	*13S+ 13.6*	*SPEC-INT*	*13R*
		00295	*520HF*	*Cr 0.15*	*Ax 0.16*	*13S+ 13.6*	*SPEC-INT*	*13R*
		00295	*520HF*	*0.4 13*	*VOL*	*13S+ 20.1*	*SPEC-INT*	*13R*
		00295	*520HF*	*Cr 0.20*	*Ax 0.16*	*13S+ 20.1*	*SPEC-INT*	*13R*
		00295	*520HF*	*0.6 20*	*VOL*	*13S+ 22.1*	*SPEC-INT*	*13R*
		00295	*520HF*	*Cr 0.20*	*Ax 0.21*	*13S+ 22.1*	*SPEC-INT*	*13R*
		00295	*520HF*	*Cr 0.15*	*Ax 0.11*	*13S+ 26.3*	*SPEC-INT*	*13R*
		00295	*520HF*	*0.3 18*	*VOL*	*13S+ 26.3*	*SPEC-INT*	*13R*
		00285	*540HF*	*0.4 0*	*INR*	*13S+ 26.5*	*540-MIZ30*	*13R*
		00295	*520HF*	*0.4 20*	*VOL*	*13S+ 31.3*	*SPEC-INT*	*13R*
		00295	*520HF*	*Cr 0.15*	*Ax 0.11*	*13S+ 31.3*	*SPEC-INT*	*13R*
		00295	*520HF*	*0.3 24*	*VOL*	*13S+ 31.4*	*SPEC-INT*	*13R*
		00295	*520HF*	*Cr 0.15*	*Ax 0.11*	*13S+ 31.4*	*SPEC-INT*	*13R*
		00295	*520HF*	*Cr 0.15*	*Ax 0.11*	*13S+ 32.5*	*SPEC-INT*	*13R*
		00295	*520HF*	*0.4 27*	*VOL*	*13S+ 32.5*	*SPEC-INT*	*13R*
		00295	*520HF*	*0.3 16*	*VOL*	*13S+ 34.8*	*SPEC-INT*	*13R*
		00295	*520HF*	*Cr 0.15*	*Ax 0.16*	*13S+ 34.8*	*SPEC-INT*	*13R*
		00265	*520HF*	*0.6 21*	*VOL*	*15S+ 22.2*	*SPEC-INT*	*13R*
		00265	*520HF*	*Cr 0.16*	*Ax 0.10*	*15S+ 22.2*	*SPEC-INT*	*13R*

THREE MILE ISLAND UNIT 1
OTSG-A
OUTAGE 13R
FREESPAN INDICATIONS

Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00285	540HF	0.9 4	INR	15S+ 36.0	540-MIZ30	13R
		00265	520HF	0.7 18	VOL	15S+ 36.4	SPEC-INT	13R
		00265	520HF	Cr 0.21	Ax 0.16	15S+ 36.4	SPEC-INT	13R
		00295	520HF	0.0 0	PRA	UTS -10.8	SPEC-INT	13R
1	6	00156	510UL	4.2 179	DNT	LTE+ 10.8	510-MIZ30	13R
2	5	00154	510UL	2.6 176	DNT	LTE+ 11.1	510-MIZ30	13R
2	**6**	00265	520HF	0.2 21	VOL	15S+ 22.8	SPEC-INT	13R
		00265	520HF	Cr 0.15	Ax 0.11	15S+ 22.8	SPEC-INT	13R
		00265	520HF	Cr 0.15	Ax 0.05	15S+ 23.2	SPEC-INT	13R
		00265	520HF	0.2 23	VOL	15S+ 23.2	SPEC-INT	13R
		00285	540HF	0.5 2	INR	15S+ 24.3	540-MIZ30	13R
		00265	520HF	0.7 19	VOL	15S+ 24.6	SPEC-INT	13R
		00265	520HF	Cr 0.20	Ax 0.16	15S+ 24.6	SPEC-INT	13R
		00295	520HF	Cr 0.15	Ax 0.16	15S+ 24.6	SPEC-INT	13R
		00295	520HF	0.7 20	VOL	15S+ 24.6	SPEC-INT	13R
		00285	540HF	0.4 8	ID 27	15S+ 25.1	540-MIZ30	13R
		00265	520HF	0.7 21	VOL	15S+ 25.1	SPEC-INT	13R
		00265	520HF	Cr 0.20	Ax 0.16	15S+ 25.1	SPEC-INT	13R
		00295	520HF	0.6 22	VOL	15S+ 25.2	SPEC-INT	13R
		00295	520HF	Cr 0.20	Ax 0.16	15S+ 25.2	SPEC-INT	13R
		00265	520HF	Cr 0.31	Ax 0.24	15S+ 25.9	SPEC-INT	13R
		00265	520HF	0.4 15	VOL	15S+ 25.9	SPEC-INT	13R
		00295	520HF	0.3 29	VOL	15S+ 25.9	SPEC-INT	13R
		00295	520HF	Cr 0.20	Ax 0.16	15S+ 25.9	SPEC-INT	13R
		00285	540HF	0.4 359	INR	15S+ 26.4	540-MIZ30	13R
		00265	520HF	Cr 0.20	Ax 0.16	15S+ 26.9	SPEC-INT	13R
		00265	520HF	0.2 24	VOL	15S+ 26.9	SPEC-INT	13R
		00295	520HF	Cr 0.15	Ax 0.16	15S+ 26.9	SPEC-INT	13R
		00295	520HF	0.5 18	VOL	15S+ 26.9	SPEC-INT	13R
		00265	520HF	0.3 21	VOL	15S+ 27.3	SPEC-INT	13R
		00265	520HF	Cr 0.20	Ax 0.16	15S+ 27.3	SPEC-INT	13R
		00295	520HF	0.5 16	VOL	15S+ 27.3	SPEC-INT	13R
		00295	520HF	Cr 0.15	Ax 0.16	15S+ 27.3	SPEC-INT	13R
		00285	540HF	0.6 10	ID 33	15S+ 28.8	540-MIZ30	13R
		00295	520HF	0.5 11	VOL	15S+ 29.0	SPEC-INT	13R
		00295	520HF	Cr 0.20	Ax 0.21	15S+ 29.0	SPEC-INT	13R
		00265	520HF	0.6 6	VOL	15S+ 29.0	SPEC-INT	13R
		00265	520HF	Cr 0.25	Ax 0.25	15S+ 29.0	SPEC-INT	13R
		00285	540HF	0.5 2	INR	15S+ 34.7	540-MIZ30	13R
		00295	520HF	0.0 0	NDF	15S+ 34.7	SPEC-INT	13R
		00285	540HF	1.6 1	INR	15S+ 35.3	540-MIZ30	13R
		00295	520HF	Cr 0.15	Ax 0.16	15S+ 35.8	SPEC-INT	13R
		00295	520HF	0.4 11	VOL	15S+ 35.8	SPEC-INT	13R
		00265	520HF	0.5 20	VOL	15S+ 36.4	SPEC-INT	13R
		00265	520HF	Cr 0.25	Ax 0.25	15S+ 36.4	SPEC-INT	13R
		00265	520HF	Cr 0.20	Ax 0.21	15S+ 36.4	SPEC-INT	13R
		00265	520HF	0.7 14	VOL	15S+ 36.4	SPEC-INT	13R
		00295	520HF	0.4 27	SVI	15S+ 36.4	SPEC-INT	13R
		00295	520HF	0.8 21	PID	15S+ 36.4	SPEC-INT	13R
		00295	520HF	0.4 21	ID 33	15S+ 36.4	SPEC-INT	13R

THREE MILE ISLAND UNIT 1
OTSG-A
OUTAGE 13R
FREESPAN INDICATIONS

Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00295	*520HF*	*Cr 0.20*	*Ax 0.27*	*15S+ 36.4*	*SPEC-INT*	*13R*
		00295	*520HF*	*Cr 0.20*	*Ax 0.21*	*15S+ 36.5*	*SPEC-INT*	*13R*
		00295	*520HF*	*0.5 22*	*VOL*	*15S+ 36.5*	*SPEC-INT*	*13R*
		00265	*520HF*	*Cr 0.20*	*Ax 0.21*	*15S+ 39.4*	*SPEC-INT*	*13R*
		00265	*520HF*	*0.6 29*	*VOL*	*15S+ 39.4*	*SPEC-INT*	*13R*
		00295	*520HF*	*Cr 0.20*	*Ax 0.21*	*15S+ 39.4*	*SPEC-INT*	*13R*
		00295	*520HF*	*0.8 17*	*VOL*	*15S+ 39.4*	*SPEC-INT*	*13R*
		00295	*520HF*	*Cr 0.20*	*Ax 0.21*	*15S+ 40.5*	*SPEC-INT*	*13R*
		00295	*520HF*	*0.4 17*	*VOL*	*15S+ 40.5*	*SPEC-INT*	*13R*
		00265	*520HF*	*Cr 0.15*	*Ax 0.16*	*15S+ 40.5*	*SPEC-INT*	*13R*
		00265	*520HF*	*0.6 18*	*VOL*	*15S+ 40.5*	*SPEC-INT*	*13R*
2	**14**	00285	540HF	4.4 172	DNT	LTE+ 10.6	540-MIZ30	13R
		00285	540HF	0.3 5	BVC	15S+ 41.1	540-MIZ30	13R
		00265	520HF	Cr 0.15	Ax 0.16	UTS -5.3	SPEC-INT	13R
		00265	520HF	0.2 7	VOL	UTS -5.3	SPEC-INT	13R
		00295	520HF	0.0 0	PRA	UTS -5.3	SPEC-INT	13R
2	15	00288	520HF	0.0 0	NDF	15S+ 37.1	SPEC-INT	13R
		00275	540HF	0.3 10	ID 33	15S+ 37.3	540-MIZ30	13R
2	21	00174	510UL	6.4 176	DNT	LTE+ 11.0	510-MIZ30	13R
2	**22**	00318	510UL	8.6 176	DNT	LTE+ 10.2	510-MIZ30	13R
		00337	520HF	Cr 0.19	Ax 0.16	14S+ 22.1	SPEC-INT	13R
		00337	520HF	0.3 15	VOL	14S+ 22.1	SPEC-INT	13R
		00318	510UL	0.3 9	BVC	14S+ 29.5	510-MIZ30	13R
		00384	520HF	0.0 0	PRA	14S+ 29.5	SPEC-INT	13R
		00337	520HF	0.3 22	VOL	14S+ 29.6	SPEC-INT	13R
		00337	520HF	Cr 0.19	Ax 0.16	14S+ 29.6	SPEC-INT	13R
		00275	540HF	0.4 4	INR	14S+ 29.6	540-MIZ30	13R
		00288	520HF	Cr 0.06	Ax 0.10	14S+ 33.3	SPEC-INT	13R
		00288	520HF	0.4 13	VOL	14S+ 33.3	SPEC-INT	13R
		00275	540HF	0.3 8	BVC	14S+ 33.3	540-MIZ30	13R
		00318	510UL	0.3 13	BVC	14S+ 33.4	510-MIZ30	13R
		00337	520HF	0.0 0	PRA	14S+ 33.4	SPEC-INT	13R
2	**25**	00384	520HF	Cr 0.16	Ax 0.11	13S -8.8	SPEC-INT	13R
		00384	520HF	0.2 22	VOL	13S -8.8	SPEC-INT	13R
		00384	520HF	0.0 0	NDF	12S+ 20.4	SPEC-INT	13R
		00275	540HF	0.3 6	BVC	12S+ 20.4	540-MIZ30	13R
		00384	520HF	0.1 21	VOL	12S+ 20.5	SPEC-INT	13R
		00384	520HF	Cr 0.16	Ax 0.11	12S+ 20.5	SPEC-INT	13R
		00384	520HF	Cr 0.16	Ax 0.17	13S -7.3	SPEC-INT	13R
		00384	520HF	0.3 21	VOL	13S -7.3	SPEC-INT	13R
		00275	540HF	0.4 177	INR	12S+ 21.2	540-MIZ30	13R
		00384	520HF	Cr 0.16	Ax 0.16	12S+ 21.3	SPEC-INT	13R
		00384	520HF	0.2 22	VOL	12S+ 21.3	SPEC-INT	13R
		00384	520HF	0.0 0	NDF	12S+ 23.8	SPEC-INT	13R
		00275	540HF	0.3 6	BVC	12S+ 23.8	540-MIZ30	13R
		00384	520HF	0.0 0	NDF	12S+ 26.0	SPEC-INT	13R
		00275	540HF	0.3 6	BVC	12S+ 26.0	540-MIZ30	13R
		00384	520HF	Cr 0.16	Ax 0.23	13S -1.1	SPEC-INT	13R
		00384	520HF	0.3 25	VOL	13S -1.1	SPEC-INT	13R
		00384	520HF	Cr 0.16	Ax 0.22	12S+ 29.0	SPEC-INT	13R

THREE MILE ISLAND UNIT 1
OTSG-A
OUTAGE 13R
FREESPAN INDICATIONS

Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00384	520HF	0.2 25	VOL	12S+ 29.0	SPEC-INT	13R
		00384	520HF	0.2 19	VOL	12S+ 30.3	SPEC-INT	13R
		00384	520HF	Cr 0.16	Ax 0.16	12S+ 30.3	SPEC-INT	13R
		00275	540HF	0.3 1	INR	13S+ 3.3	540-MIZ30	13R
		00384	520HF	0.3 22	VOL	13S+ 5.2	SPEC-INT	13R
		00384	520HF	Cr 0.16	Ax 0.11	13S+ 5.2	SPEC-INT	13R
		00275	540HF	0.6 4	INR	13S+ 9.2	540-MIZ30	13R
		00384	520HF	0.4 21	VOL	13S+ 9.9	SPEC-INT	13R
		00384	520HF	Cr 0.22	Ax 0.17	13S+ 9.9	SPEC-INT	13R
		00275	540HF	0.6 2	INR	13S+ 10.3	540-MIZ30	13R
		00384	520HF	0.4 18	VOL	13S+ 11.1	SPEC-INT	13R
		00384	520HF	Cr 0.22	Ax 0.17	13S+ 11.1	SPEC-INT	13R
		00275	540HF	0.3 6	BVC	13S+ 12.9	540-MIZ30	13R
		00384	520HF	0.2 26	VOL	13S+ 13.8	SPEC-INT	13R
		00384	520HF	Cr 0.16	Ax 0.11	13S+ 13.8	SPEC-INT	13R
		00384	520HF	Cr 0.16	Ax 0.11	13S+ 14.2	SPEC-INT	13R
		00384	520HF	0.2 30	VOL	13S+ 14.2	SPEC-INT	13R
2	27	00174	510UL	5.2 177	DNT	LTE+ 11.3	510-MIZ30	13R
3	5	00154	510UL	8.1 177	DNT	LTE+ 10.6	510-MIZ30	13R
3	7	00156	510UL	4.2 173	DNT	LTE+ 11.1	510-MIZ30	13R
3	13	00154	510UL	0.3 48	NQI	05S- 0.8	510-MIZ30	13R
		00346	520HF	0.5 0	WAR 11	05S- 0.8	SPEC-INT	13R
3	14	00156	510UL	2.9 171	DNT	LTE+ 9.0	510-MIZ30	13R
3	15	00154	510UL	3.3 176	DNT	LTE+ 11.0	510-MIZ30	13R
3	16	00156	510UL	2.9 171	DNT	LTE+ 11.0	510-MIZ30	13R
3	**17**	00285	540HF	0.4 4	INR	15S+ 32.5	540-MIZ30	13R
		00346	520HF	0.3 8	VOL	UTS+ 0.4	SPEC-INT	13R
		00346	520HF	Cr 0.09	Ax 0.15	UTS+ 0.4	SPEC-INT	13R
		00285	540HF	0.4 5	ID 17	UTS+ 0.5	540-MIZ30	13R
3	19	00164	510UL	0.4 126	INR	LTS- 0.1	510-MIZ30	13R
3	27	00174	510UL	2.5 175	DNT	LTE+ 10.5	510-MIZ30	13R
4	8	00154	510UL	0.2 104	NQI	LTE+ 18.1	510-MIZ30	13R
		00346	520HF	0.0 0	NDF	LTE+ 18.1	SPEC-INT	13R
4	19	00154	510UL	0.2 45	NQI	13S+ 0.3	510-MIZ30	13R
		00346	520HF	0.5 0	WAR 12	13S+ 0.3	SPEC-INT	13R
4	**29**	00384	520HF	0.3 22	VOL	15S+ 20.9	SPEC-INT	13R
		00384	520HF	Cr 0.16	Ax 0.11	15S+ 20.9	SPEC-INT	13R
		00275	540HF	0.6 2	INR	15S+ 21.2	540-MIZ30	13R
		00384	520HF	Cr 0.16	Ax 0.16	15S+ 27.0	SPEC-INT	13R
		00384	520HF	0.4 23	VOL	15S+ 27.0	SPEC-INT	13R
		00275	540HF	0.8 10	ID 33	15S+ 27.4	540-MIZ30	13R
		00396	520HF	Cr 0.15	Ax 0.17	UTS -19.0	SPEC-INT	13R
		00396	520HF	0.6 19	VOL	UTS -19.0	SPEC-INT	13R
		00275	540HF	0.3 8	ID 27	15S+ 36.1	540-MIZ30	13R
		00396	520HF	0.3 22	VOL	UTS -10.3	SPEC-INT	13R
		00396	520HF	Cr 0.15	Ax 0.11	UTS -10.3	SPEC-INT	13R
		00396	520HF	Cr 0.15	Ax 0.11	UTS -9.1	SPEC-INT	13R
		00396	520HF	0.2 4	VOL	UTS -9.1	SPEC-INT	13R
4	**34**	00275	540HF	2.6 173	DNT	LTE+ 10.5	540-MIZ30	13R
		00384	520HF	0.2 37	VOL	15S+ 2.5	SPEC-INT	13R

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		00384	520HF	Cr 0.16	Ax 0.17	15S+ 2.5	SPEC-INT	13R
		00384	520HF	Cr 0.16	Ax 0.17	15S+ 8.8	SPEC-INT	13R
		00384	520HF	0.2 36	VOL	15S+ 8.8	SPEC-INT	13R
		00384	520HF	0.2 23	VOL	15S+ 11.4	SPEC-INT	13R
		00384	520HF	Cr 0.16	Ax 0.17	15S+ 11.4	SPEC-INT	13R
		00384	520HF	0.0 0	NDF	15S+ 23.8	SPEC-INT	13R
		00275	540HF	0.4 5	BVC	15S+ 23.8	540-MIZ30	13R
4	**38**	00275	540HF	0.3 6	ID 20	12S+ 11.4	540-MIZ30	13R
		00288	520HF	Cr 0.18	Ax 0.16	12S+ 11.8	SPEC-INT	13R
		00288	520HF	0.3 7	VOL	12S+ 11.8	SPEC-INT	13R
5	**3**	00285	540HF	0.3 359	INR	14S+ 32.3	540-MIZ30	13R
		00265	520HF	0.2 16	VOL	15S -2.7	SPEC-INT	13R
		00265	520HF	Cr 0.15	Ax 0.10	15S -2.7	SPEC-INT	13R
		00265	520HF	0.2 13	VOL	15S+ 1.1	SPEC-INT	13R
		00265	520HF	Cr 0.21	Ax 0.19	15S+ 1.1	SPEC-INT	13R
		00265	520HF	Cr 0.16	Ax 0.16	15S+ 4.6	SPEC-INT	13R
		00265	520HF	0.3 22	VOL	15S+ 4.6	SPEC-INT	13R
		00295	520HF	0.0 0	NDF	15S+ 5.5	SPEC-INT	13R
		00295	520HF	Cr 0.15	Ax 0.21	15S+ 13.3	SPEC-INT	13R
		00295	520HF	0.2 18	VOL	15S+ 13.3	SPEC-INT	13R
		00265	520HF	0.2 14	VOL	15S+ 15.8	SPEC-INT	13R
		00265	520HF	Cr 0.21	Ax 0.16	15S+ 15.8	SPEC-INT	13R
		00265	520HF	1.0 26	VOL	15S+ 19.0	SPEC-INT	13R
		00265	520HF	Cr 0.21	Ax 0.24	15S+ 19.0	SPEC-INT	13R
		00265	520HF	0.3 18	VOL	15S+ 19.1	SPEC-INT	13R
		00265	520HF	Cr 0.15	Ax 0.21	15S+ 19.1	SPEC-INT	13R
		00265	520HF	0.7 18	VOL	15S+ 44.1	SPEC-INT	13R
		00265	520HF	Cr 0.15	Ax 0.16	15S+ 44.1	SPEC-INT	13R
		00285	540HF	0.6 6	ID 20	15S+ 44.2	540-MIZ30	13R
		00265	520HF	1.0 17	VOL	15S+ 44.7	SPEC-INT	13R
		00265	520HF	Cr 0.21	Ax 0.21	15S+ 44.7	SPEC-INT	13R
		00285	540HF	1.0 7	ID 23	15S+ 44.8	540-MIZ30	13R
5	**5**	00285	540HF	2.7 167	DNT	LTE+ 10.6	540-MIZ30	13R
		00380	520HF	0.0 0	NDF	12S+ 27.2	SPEC-INT	13R
		00285	540HF	0.2 81	NQI	12S+ 27.2	540-MIZ30	13R
		00265	520HF	0.5 18	VOL	15S+ 34.4	SPEC-INT	13R
		00265	520HF	Cr 0.15	Ax 0.11	15S+ 34.4	SPEC-INT	13R
		00285	540HF	0.5 5	ID 17	15S+ 34.4	540-MIZ30	13R
		00265	520HF	Cr 0.15	Ax 0.11	UTS+ 4.9	SPEC-INT	13R
		00265	520HF	0.3 8	VOL	UTS+ 4.9	SPEC-INT	13R
5	6	00156	510UL	3.0 169	DNT	LTE+ 10.8	510-MIZ30	13R
5	17	00154	510UL	0.9 5	ID 17	15S+ 4.3	510-MIZ30	13R
		00360	540HF	0.9 2	INR	15S+ 4.3	540-MIZ30	13R
5	42	00174	510UL	0.7 68	NQI	LTE+ 11.9	510-MIZ30	13R
		00346	520HF	0.0 0	NDF	LTE+ 11.9	SPEC-INT	13R
5	44	00174	510UL	0.3 231	INR	06S- 0.9	510-MIZ30	13R
6	2	00154	510UL	1.8 187	INR	UTS+ 6.9	510-MIZ30	13R
6	5	00156	510UL	3.2 173	DNT	LTE+ 10.9	510-MIZ30	13R
6	15	00156	510UL	0.2 74	NQI	08S+ 0.6	510-MIZ30	13R
		00346	520HF	0.9 0	WAR 18	08S+ 0.6	SPEC-INT	13R

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6	18	00154	510UL	1.1 9	ID 30	08S+ 25.6	510-MIZ30	13R
		00360	540HF	1.1 5	INR	08S+ 25.6	540-MIZ30	13R
6	20	00154	510UL	0.3 115	NQI	10S+ 7.5	510-MIZ30	13R
		00346	520HF	0.0 0	NDF	10S+ 7.5	SPEC-INT	13R
6	30	00174	510UL	0.3 58	NQI	LTE+ 9.6	510-MIZ30	13R
		00346	520HF	0.0 0	NDF	LTE+ 9.6	SPEC-INT	13R
		00174	510UL	0.2 83	NQI	LTE+ 14.2	510-MIZ30	13R
		00346	520HF	0.0 0	NDF	LTE+ 14.2	SPEC-INT	13R
6	32	00174	510UL	3.4 182	DNT	03S+ 16.7	510-MIZ30	13R
6	33	00164	510UL	0.3 72	NQI	05S+ 0.7	510-MIZ30	13R
		00346	520HF	0.8 0	WAR 17	05S+ 0.7	SPEC-INT	13R
6	**47**	00275	540HF	0.5 3	INR	15S+ 20.0	540-MIZ30	13R
		00384	520HF	0.3 29	VOL	15S+ 21.8	SPEC-INT	13R
		00384	520HF	Cr 0.16	Ax 0.17	15S+ 21.8	SPEC-INT	13R
		00384	520HF	Cr 0.16	Ax 0.17	15S+ 25.4	SPEC-INT	13R
		00384	520HF	0.2 20	VOL	15S+ 25.4	SPEC-INT	13R
		00384	520HF	Cr 0.16	Ax 0.17	15S+ 26.8	SPEC-INT	13R
		00384	520HF	0.3 18	VOL	15S+ 26.8	SPEC-INT	13R
		00384	520HF	0.0 0	INF	15S+ 31.5	SPEC-INT	13R
		00275	540HF	0.6 4	INR	15S+ 33.7	540-MIZ30	13R
		00384	520HF	Cr 0.16	Ax 0.11	15S+ 34.4	SPEC-INT	13R
		00384	520HF	0.2 36	VOL	15S+ 34.4	SPEC-INT	13R
		00384	520HF	0.3 21	VOL	15S+ 37.2	SPEC-INT	13R
		00384	520HF	Cr 0.16	Ax 0.17	15S+ 37.2	SPEC-INT	13R
		00384	520HF	5.1 30	VOL	15S+ 40.2	SPEC-INT	13R
		00384	520HF	Cr 0.16	Ax 0.11	15S+ 40.2	SPEC-INT	13R
		00275	540HF	0.3 7	BVC	15S+ 40.2	540-MIZ30	13R
6	**48**	00384	520HF	0.5 0	WAR 10	14S- 0.8	SPEC-INT	13R
		00275	540HF	0.3 87	NQI	14S- 0.8	540-MIZ30	13R
		00288	520HF	0.9 21	VOL	UTS+ 0.5	SPEC-INT	13R
		00288	520HF	Cr 0.12	Ax 0.10	UTS+ 0.5	SPEC-INT	13R
		00288	520HF	0.4 16	VOL	ETL -2.5	SPEC-INT	13R
		00288	520HF	Cr 0.14	Ax 0.20	ETL -2.5	SPEC-INT	13R
		00288	520HF	Cr 0.12	Ax 0.13	ETL -1.6	SPEC-INT	13R
		00288	520HF	0.3 25	VOL	ETL -1.6	SPEC-INT	13R
7	1	00156	510UL	1.2 97	NQI	LTE+ 9.6	510-MIZ30	13R
		00346	520HF	0.0 0	NDF	LTE+ 9.6	SPEC-INT	13R
7	**2**	00360	540HF	0.2 101	NQI	LTE+ 19.8	540-MIZ30	13R
		00154	510UL	0.2 74	NQI	LTE+ 20.0	510-MIZ30	13R
		00346	520HF	0.0 0	NDF	LTS -4.0	SPEC-INT	13R
		00154	510UL	0.3 10	ID 33	09S+ 10.1	510-MIZ30	13R
		00360	540HF	0.4 7	BVC	09S+ 10.1	540-MIZ30	13R
		00380	520HF	0.6 11	VOL	09S+ 10.1	SPEC-INT	13R
		00380	520HF	Cr 0.11	Ax 0.11	09S+ 10.1	SPEC-INT	13R
7	**4**	00265	520HF	Cr 0.15	Ax 0.16	15S+ 31.8	SPEC-INT	13R
		00265	520HF	0.1 7	VOL	15S+ 31.8	SPEC-INT	13R
		00265	520HF	0.3 8	VOL	15S+ 32.4	SPEC-INT	13R
		00265	520HF	Cr 0.15	Ax 0.16	15S+ 32.4	SPEC-INT	13R
		00285	540HF	0.5 0	INR	15S+ 32.4	540-MIZ30	13R
		00265	520HF	0.2 14	VOL	15S+ 32.9	SPEC-INT	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00265	520HF	Cr 0.15	Ax 0.16	15S+ 32.9	SPEC-INT	13R
		00265	520HF	0.3 17	VOL	15S+ 33.5	SPEC-INT	13R
		00265	520HF	Cr 0.15	Ax 0.16	15S+ 33.5	SPEC-INT	13R
		00265	520HF	Cr 0.15	Ax 0.16	15S+ 38.0	SPEC-INT	13R
		00265	520HF	0.2 14	VOL	15S+ 38.0	SPEC-INT	13R
		00265	520HF	Cr 0.10	Ax 0.10	15S+ 44.7	SPEC-INT	13R
		00265	520HF	0.3 23	VOL	15S+ 44.7	SPEC-INT	13R
		00265	520HF	0.6 17	VOL	15S+ 45.8	SPEC-INT	13R
		00265	520HF	Cr 0.21	Ax 0.16	15S+ 45.8	SPEC-INT	13R
		00265	520HF	Cr 0.15	Ax 0.10	UTS+ 0.3	SPEC-INT	13R
		00265	520HF	0.2 8	VOL	UTS+ 0.3	SPEC-INT	13R
		00285	540HF	0.2 7	INR	UTS+ 0.7	540-MIZ30	13R
		00265	520HF	Cr 0.15	Ax 0.10	UTS+ 0.8	SPEC-INT	13R
		00265	520HF	0.3 21	VOL	UTS+ 0.8	SPEC-INT	13R
7	36	00174	510UL	2.7 186	DNT	14S+ 17.7	510-MIZ30	13R
7	**44**	00288	520HF	0.2 11	VOL	UTS -3.3	SPEC-INT	13R
		00288	520HF	Cr 0.12	Ax 0.15	UTS -3.3	SPEC-INT	13R
		00288	520HF	0.4 17	VOL	UTS+ 1.4	SPEC-INT	13R
		00288	520HF	Cr 0.12	Ax 0.10	UTS+ 1.4	SPEC-INT	13R
		00384	520HF	0.0 0	PRA	UTS+ 1.4	SPEC-INT	13R
		00384	520HF	Cr 0.16	Ax 0.17	ETL- 0.1	SPEC-INT	13R
		00384	520HF	3.8 27	VOL	ETL- 0.1	SPEC-INT	13R
7	51	00174	510UL	2.9 178	DNT	LTE+ 10.8	510-MIZ30	13R
8	**2**	00380	520HF	Cr 0.11	Ax 0.11	12S+ 16.1	SPEC-INT	13R
		00380	520HF	0.3 19	VOL	12S+ 16.1	SPEC-INT	13R
		00285	540HF	0.5 5	ID 17	12S+ 16.1	540-MIZ30	13R
		00380	520HF	Cr 0.16	Ax 0.17	12S+ 18.9	SPEC-INT	13R
		00380	520HF	0.2 3	VOL	12S+ 18.9	SPEC-INT	13R
		00285	540HF	0.4 5	BVC	12S+ 18.9	540-MIZ30	13R
		00380	520HF	0.0 0	NDF	12S+ 25.0	SPEC-INT	13R
		00285	540HF	0.8 4	INR	12S+ 25.0	540-MIZ30	13R
		00380	520HF	Cr 0.27	Ax 0.22	12S+ 29.1	SPEC-INT	13R
		00380	520HF	0.1 87	VOL	12S+ 29.1	SPEC-INT	13R
		00285	540HF	0.6 9	ID 30	12S+ 29.1	540-MIZ30	13R
		00380	520HF	0.5 1	VOL	12S+ 33.2	SPEC-INT	13R
		00380	520HF	Cr 0.11	Ax 0.11	12S+ 33.2	SPEC-INT	13R
		00285	540HF	0.7 5	ID 17	12S+ 33.4	540-MIZ30	13R
		00285	540HF	0.2 178	INR	UTS+ 4.5	540-MIZ30	13R
		00295	520HF	0.0 0	NDF	UTS+ 4.5	SPEC-INT	13R
8	**15**	00121	520HF	0.8 22	VOL	ETL- 0.6	KET12	13R
		00121	520HF	Cr 0.20	Ax 0.15	ETL- 0.6	KET12	13R
8	24	00156	510UL	2.8 184	DNT	01S+ 28.9	510-MIZ30	13R
		00156	510UL	2.0 71	INR	01S+ 29.6	510-MIZ30	13R
8	25	00154	510UL	0.3 73	NQI	08S+ 0.7	510-MIZ30	13R
		00346	520HF	0.3 0	WAR 8	08S+ 0.7	SPEC-INT	13R
8	32	00164	510UL	1.2 111	INR	12S+ 20.5	510-MIZ30	13R
8	48	00164	510UL	0.1 90	INR	10S+ 0.8	510-MIZ30	13R
8	54	00174	510UL	3.8 174	DNT	LTE+ 11.2	510-MIZ30	13R
9	**3**	00346	520HF	Cr 0.09	Ax 0.10	14S+ 2.4	SPEC-INT	13R
		00346	520HF	0.3 12	VOL	14S+ 2.4	SPEC-INT	13R

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		00285	540HF	0.3 8	BVC	14S+ 2.4	540-MIZ30	13R
		00346	520HF	0.3 2	VOL	14S+ 3.5	SPEC-INT	13R
		00346	520HF	Cr 0.09	Ax 0.10	14S+ 3.5	SPEC-INT	13R
9	**6**	00346	520HF	Cr 0.13	Ax 0.10	15S+ 19.6	SPEC-INT	13R
		00346	520HF	0.3 12	VOL	15S+ 19.6	SPEC-INT	13R
		00285	540HF	0.3 14	BVC	15S+ 21.6	540-MIZ30	13R
		00346	520HF	0.5 14	VOL	15S+ 22.5	SPEC-INT	13R
		00346	520HF	Cr 0.13	Ax 0.10	15S+ 22.5	SPEC-INT	13R
9	25	00156	510UL	2.3 179	INR	LTE+ 10.5	510-MIZ30	13R
9	26	00154	510UL	3.7 179	DNT	LTE+ 10.3	510-MIZ30	13R
		00154	510UL	0.5 89	ADI	03S+ 12.0	510-MIZ30	13R
		00346	520HF	0.0 0	NDF	03S+ 12.0	SPEC-INT	13R
9	**59**	00288	520HF	4.9 20	VOL	ETL- 0.7	SPEC-INT	13R
		00288	520HF	Cr 0.13	Ax 0.10	ETL- 0.7	SPEC-INT	13R
10	22	00154	510UL	3.5 178	DNT	LTE+ 10.1	510-MIZ30	13R
10	28	00156	510UL	3.5 177	DNT	LTE+ 10.5	510-MIZ30	13R
10	63	00174	510UL	4.4 177	DNT	LTE+ 10.4	510-MIZ30	13R
11	1	00142	510UL	0.3 61	NQI	08S+ 0.6	510-MIZ30	13R
		00295	520HF	0.3 0	WAR 5	08S+ 0.7	SPEC-INT	13R
11	21	00156	510UL	0.1 133	INR	08S+ 0.7	510-MIZ30	13R
11	24	00154	510UL	2.5 176	DNT	LTE+ 9.8	510-MIZ30	13R
		00154	510UL	0.4 72	NQI	08S- 0.8	510-MIZ30	13R
		00346	520HF	0.7 0	WAR 15	08S- 0.6	SPEC-INT	13R
11	25	00156	510UL	4.7 175	DNT	LTE+ 10.3	510-MIZ30	13R
11	27	00156	510UL	1.1 93	INR	LTS+ 28.7	510-MIZ30	13R
11	28	00154	510UL	2.9 177	DNT	LTE+ 9.9	510-MIZ30	13R
11	29	00156	510UL	4.0 174	DNT	LTE+ 10.4	510-MIZ30	13R
		00156	510UL	0.5 88	NQI	12S+ 8.9	510-MIZ30	13R
		00346	520HF	0.0 0	NDF	12S+ 8.9	SPEC-INT	13R
11	60	00174	510UL	6.6 176	DNT	LTE+ 7.9	510-MIZ30	13R
11	61	00164	510UL	5.3 178	DNT	LTE+ 8.5	510-MIZ30	13R
12	52	00174	510UL	0.2 73	NQI	03S+ 21.4	510-MIZ30	13R
		00346	520HF	0.0 0	NDF	03S+ 21.4	SPEC-INT	13R
12	61	00164	510UL	4.7 166	DNT	LTE+ 11.1	510-MIZ30	13R
12	63	00164	510UL	4.8 175	DNT	LTE+ 8.7	510-MIZ30	13R
12	68	00216	510UL	5.6 175	DNT	LTE+ 10.8	510-MIZ30	13R
13	**1**	00380	520HF	0.8 14	VOL	11S+ 35.7	SPEC-INT	13R
		00380	520HF	Cr 0.11	Ax 0.11	11S+ 35.7	SPEC-INT	13R
		00285	540HF	0.5 8	ID 27	11S+ 35.7	540-MIZ30	13R
		00285	540HF	0.3 1	INR	13S+ 13.7	540-MIZ30	13R
		00285	540HF	0.3 359	INR	13S+ 20.7	540-MIZ30	13R
		00285	540HF	0.9 3	INR	13S+ 22.0	540-MIZ30	13R
		00285	540HF	0.6 6	ID 20	13S+ 23.2	540-MIZ30	13R
		00285	540HF	0.4 0	INR	13S+ 30.4	540-MIZ30	13R
		00295	520HF	Cr 0.20	Ax 0.21	14S -13.8	SPEC-INT	13R
		00295	520HF	1.0 27	VOL	14S -13.8	SPEC-INT	13R
		00295	520HF	Cr 0.15	Ax 0.21	14S -12.8	SPEC-INT	13R
		00295	520HF	1.0 21	VOL	14S -12.8	SPEC-INT	13R
		00295	520HF	0.7 25	VOL	14S -9.0	SPEC-INT	13R
		00295	520HF	Cr 0.15	Ax 0.16	14S -9.0	SPEC-INT	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00295	520HF	Cr 0.15	Ax 0.16	14S -5.6	SPEC-INT	13R
		00295	520HF	0.5 19	VOL	14S -5.6	SPEC-INT	13R
		00295	520HF	0.0 0	NDF	14S -2.8	SPEC-INT	13R
		00295	520HF	0.3 11	VOL	14S -1.1	SPEC-INT	13R
		00295	520HF	Cr 0.20	Ax 0.21	14S -1.1	SPEC-INT	13R
13	38	00154	510UL	0.9 70	NQI	LTS+ 0.1	510-MIZ30	13R
		00346	520HF	0.0 0	NDF	LTS+ 0.1	SPEC-INT	13R
13	48	00164	510UL	0.1 71	INR	13S+ 0.8	510-MIZ30	13R
13	64	00164	510UL	4.8 174	DNT	LTE+ 8.6	510-MIZ30	13R
		00164	510UL	4.8 176	DNT	LTE+ 10.9	510-MIZ30	13R
13	**67**	00223	520HF	Cr 0.10	Ax 0.10	ETL -2.5	KET06	13R
		00223	520HF	0.1 11	VOL	ETL -2.5	KET06	13R
13	**70**	00221	520HF	0.5 37	VOL	ETL -1.8	KET12	13R
		00221	520HF	Cr 0.16	Ax 0.10	ETL -1.8	KET12	13R
14	3	00142	510UL	4.1 172	DNT	LTE+ 10.8	510-MIZ30	13R
14	5	00142	510UL	2.8 177	DNT	LTS+ 38.4	510-MIZ30	13R
14	63	00164	510UL	5.3 175	DNT	LTE+ 11.2	510-MIZ30	13R
14	64	00174	510UL	6.8 177	DNT	LTE+ 10.7	510-MIZ30	13R
14	73	00218	510UL	1.2 59	INR	12S+ 23.0	510-MIZ30	13R
15	15	00156	510UL	0.9 5	INR	UTS- 0.0	510-MIZ30	13R
15	25	00156	510UL	0.1 95	NQI	12S+ 13.6	510-MIZ30	13R
		00346	520HF	0.0 0	NDF	12S+ 13.6	SPEC-INT	13R
15	28	00154	510UL	0.7 88	NQI	LTE+ 8.3	510-MIZ30	13R
		00346	520HF	0.0 0	NDF	LTE+ 8.3	SPEC-INT	13R
15	41	00346	520HF	0.8 0	WAR 17	05S+ 0.8	SPEC-INT	13R
		00275	540HF	0.6 85	NQI	05S+ 0.8	540-MIZ30	13R
15	48	00174	510UL	0.8 73	INR	01S+ 28.3	510-MIZ30	13R
15	**51**	00221	520HF	0.5 19	VOL	ETL -2.5	KET12	13R
		00221	520HF	Cr 0.19	Ax 0.15	ETL -2.5	KET12	13R
15	67	00174	510UL	0.8 66	NQI	LTE+ 2.9	510-MIZ30	13R
		00346	520HF	0.0 0	NDF	LTE+ 2.9	SPEC-INT	13R
		00174	510UL	6.2 175	DNT	LTE+ 10.6	510-MIZ30	13R
15	68	00164	510UL	5.0 176	DNT	LTE+ 11.4	510-MIZ30	13R
15	**77**	00275	540HF	0.3 4	INR	12S+ 16.7	540-MIZ30	13R
		00275	540HF	0.4 1	INR	12S+ 18.3	540-MIZ30	13R
		00286	520HF	Cr 0.12	Ax 0.10	12S+ 24.4	SPEC-INT	13R
		00286	520HF	0.4 21	VOL	12S+ 24.4	SPEC-INT	13R
		00275	540HF	0.3 6	ID 20	12S+ 24.4	540-MIZ30	13R
		00346	520HF	Cr 0.09	Ax 0.10	12S+ 25.0	SPEC-INT	13R
		00346	520HF	0.2 33	VOL	12S+ 25.1	SPEC-INT	13R
		00286	520HF	0.3 13	VOL	12S+ 27.5	SPEC-INT	13R
		00286	520HF	Cr 0.12	Ax 0.13	12S+ 27.5	KET12	13R
		00275	540HF	0.4 11	ID 37	12S+ 27.6	540-MIZ30	13R
		00346	520HF	0.2 11	VOL	12S+ 28.3	SPEC-INT	13R
		00346	520HF	Cr 0.09	Ax 0.10	12S+ 28.3	SPEC-INT	13R
		00275	540HF	0.4 4	INR	12S+ 30.5	540-MIZ30	13R
16	**2**	00285	540HF	0.4 7	ID 23	15S+ 42.1	540-MIZ30	13R
		00346	520HF	0.4 12	VOL	UTS -4.6	SPEC-INT	13R
		00346	520HF	Cr 0.13	Ax 0.10	UTS -4.6	SPEC-INT	13R
16	17	00156	510UL	0.7 74	ADI	08S+ 19.1	510-MIZ30	13R

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		00346	520HF	0.0 0	NDF	08S+ 19.1	SPEC-INT	13R
16	41	00154	510UL	0.1 85	NQI	07S+ 16.5	510-MIZ30	13R
		00346	520HF	0.0 0	NDF	07S+ 16.5	SPEC-INT	13R
16	81	00218	510UL	0.2 73	NQI	13S+ 0.1	510-MIZ30	13R
		00346	520HF	0.4 0	WAR 8	13S+ 0.1	SPEC-INT	13R
17	6	00142	510UL	0.2 43	INR	15S+ 44.4	510-MIZ30	13R
17	19	00156	510UL	2.0 6	INR	15S+ 11.8	510-MIZ30	13R
17	**26**	00154	510UL	0.4 60	NQI	08S+ 29.5	510-MIZ30	13R
		00346	520HF	Cr 0.09	Ax 0.15	08S+ 29.7	SPEC-INT	13R
		00346	520HF	0.2 13	VOL	08S+ 29.7	SPEC-INT	13R
17	32	00154	510UL	0.7 78	NQI	LTE+ 3.5	510-MIZ30	13R
		00346	520HF	0.0 0	NDF	LTE+ 3.5	SPEC-INT	13R
17	**35**	00133	520HF	Cr 0.15	Ax 0.15	ETL- 0.7	KET12	13R
		00133	520HF	0.3 16	VOL	ETL- 0.7	KET12	13R
17	36	00154	510UL	0.3 72	NQI	09S- 0.7	510-MIZ30	13R
		00346	520HF	0.5 0	WAR 12	09S- 0.7	SPEC-INT	13R
17	**40**	00135	520HF	0.5 36	VOL	ETL -1.2	KET06	13R
		00135	520HF	Cr 0.15	Ax 0.17	ETL -1.2	KET06	13R
17	42	00154	510UL	0.4 76	NQI	LTE+ 20.9	510-MIZ30	13R
		00346	520HF	0.0 0	NDF	LTE+ 20.9	SPEC-INT	13R
17	44	00164	510UL	0.6 83	NQI	LTE+ 20.9	510-MIZ30	13R
		00346	520HF	0.0 0	NDF	LTE+ 20.9	SPEC-INT	13R
17	**60**	00221	520HF	Cr 0.16	Ax 0.15	ETL -1.4	KET12	13R
		00221	520HF	0.5 17	VOL	ETL -1.4	KET12	13R
17	69	00174	510UL	1.0 79	NQI	LTE+ 3.6	510-MIZ30	13R
		00346	520HF	0.0 0	NDF	LTE+ 3.6	SPEC-INT	13R
		00174	510UL	6.7 177	DNT	LTE+ 11.0	510-MIZ30	13R
17	72	00164	510UL	0.3 64	NQI	08S+ 0.7	510-MIZ30	13R
		00346	520HF	0.8 0	WAR 17	08S+ 0.7	SPEC-INT	13R
17	73	00174	510UL	0.8 37	INR	12S+ 33.5	510-MIZ30	13R
17	**77**	00221	520HF	0.3 15	VOL	ETL -3.3	KET12	13R
		00221	520HF	Cr 0.11	Ax 0.09	ETL -3.3	KET12	13R
17	**81**	00221	520HF	Cr 0.16	Ax 0.15	ETL- 0.5	KET12	13R
		00221	520HF	0.6 26	VOL	ETL- 0.5	KET12	13R
17	82	00275	540HF	0.4 4	INR	15S+ 5.4	540-MIZ30	13R
18	**1**	00346	520HF	0.5 16	VOL	04S+ 4.6	SPEC-INT	13R
		00346	520HF	Cr 0.09	Ax 0.10	04S+ 4.6	SPEC-INT	13R
		00285	540HF	0.4 7	ID 23	04S+ 5.3	540-MIZ30	13R
		00346	520HF	0.8 14	VOL	04S+ 5.3	SPEC-INT	13R
		00346	520HF	Cr 0.13	Ax 0.10	04S+ 5.3	SPEC-INT	13R
		00285	540HF	0.5 4	INR	04S+ 12.0	540-MIZ30	13R
18	2	00142	510UL	0.2 93	NQI	13S- 0.8	510-MIZ30	13R
		00380	520HF	0.0 0	NDF	13S- 0.8	SPEC-INT	13R
18	**3**	00295	520HF	0.2 14	VOL	15S+ 18.8	SPEC-INT	13R
		00295	520HF	Cr 0.15	Ax 0.16	15S+ 18.8	SPEC-INT	13R
		00285	540HF	0.4 6	ID 20	15S+ 24.9	540-MIZ30	13R
		00295	520HF	Cr 0.15	Ax 0.16	15S+ 25.0	SPEC-INT	13R
		00295	520HF	0.6 34	VOL	15S+ 25.0	SPEC-INT	13R
18	74	00180	510UL	0.2 78	NQI	08S+ 0.7	510-MIZ30	13R
		00346	520HF	0.6 0	WAR 13	08S+ 0.7	SPEC-INT	13R

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18	79	00218	510UL	0.3 61	NQI	08S+ 0.6	510-MIZ30	13R
		00346	520HF	0.4 0	WAR 9	08S+ 0.6	SPEC-INT	13R
18	**84**	00286	520HF	0.2 7	VOL	UTS -22.9	SPEC-INT	13R
		00286	520HF	Cr 0.19	Ax 0.15	UTS -22.9	SPEC-INT	13R
		00275	540HF	0.3 10	ID 33	15S+ 29.5	540-MIZ30	13R
		00275	540HF	0.4 8	ID 27	15S+ 32.6	540-MIZ30	13R
		00286	520HF	0.2 21	VOL	UTS -18.3	SPEC-INT	13R
		00286	520HF	Cr 0.12	Ax 0.15	UTS -18.3	SPEC-INT	13R
		00275	540HF	0.6 5	ID 17	15S+ 33.2	540-MIZ30	13R
		00275	540HF	0.4 6	ID 20	15S+ 33.9	540-MIZ30	13R
		00286	520HF	0.5 14	SVI	UTS -16.9	SPEC-INT	13R
		00286	520HF	Cr 0.28	Ax 0.17	UTS -16.9	SPEC-INT	13R
		00275	540HF	0.5 8	ID 27	15S+ 34.6	540-MIZ30	13R
		00286	520HF	Cr 0.19	Ax 0.20	UTS -15.6	SPEC-INT	13R
		00286	520HF	0.3 15	SVI	UTS -15.6	SPEC-INT	13R
		00286	520HF	0.3 20	SVI	UTS -15.0	SPEC-INT	13R
		00286	520HF	Cr 0.19	Ax 0.15	UTS -15.0	SPEC-INT	13R
		00286	520HF	0.4 11	VOL	UTS -14.1	SPEC-INT	13R
		00286	520HF	Cr 0.19	Ax 0.21	UTS -14.1	SPEC-INT	13R
		00286	520HF	0.4 21	VOL	UTS -13.4	SPEC-INT	13R
		00286	520HF	Cr 0.12	Ax 0.16	UTS -13.4	SPEC-INT	13R
		00275	540HF	0.6 5	ID 17	15S+ 38.2	540-MIZ30	13R
		00286	520HF	0.4 12	VOL	UTS -12.4	SPEC-INT	13R
		00286	520HF	Cr 0.19	Ax 0.17	UTS -12.4	SPEC-INT	13R
		00286	520HF	Cr 0.12	Ax 0.17	UTS -11.5	SPEC-INT	13R
		00286	520HF	0.2 12	VOL	UTS -11.5	SPEC-INT	13R
		00275	540HF	0.4 9	ID 30	15S+ 40.9	540-MIZ30	13R
		00286	520HF	0.4 4	VOL	UTS -9.8	SPEC-INT	13R
		00286	520HF	Cr 0.19	Ax 0.22	UTS -9.8	SPEC-INT	13R
		00286	520HF	Cr 0.25	Ax 0.22	UTS -9.7	SPEC-INT	13R
		00286	520HF	0.6 19	VOL	UTS -9.7	SPEC-INT	13R
		00286	520HF	Cr 0.19	Ax 0.20	UTS -8.6	SPEC-INT	13R
		00286	520HF	0.9 18	SVI	UTS -8.6	SPEC-INT	13R
		00384	520HF	0.7 20	PID	UTS -8.6	SPEC-INT	13R
		00286	520HF	0.5 14	VOL	UTS -7.9	SPEC-INT	13R
		00286	520HF	Cr 0.12	Ax 0.17	UTS -7.9	SPEC-INT	13R
		00286	520HF	Cr 0.19	Ax 0.22	UTS -6.4	SPEC-INT	13R
		00286	520HF	0.3 26	VOL	UTS -6.4	SPEC-INT	13R
		00286	520HF	0.4 24	VOL	UTS -5.3	SPEC-INT	13R
		00286	520HF	Cr 0.19	Ax 0.22	UTS -5.3	SPEC-INT	13R
		00286	520HF	0.3 18	VOL	UTS -3.5	SPEC-INT	13R
		00286	520HF	Cr 0.19	Ax 0.11	UTS -3.5	SPEC-INT	13R
		00286	520HF	Cr 0.19	Ax 0.11	UTS -2.7	SPEC-INT	13R
		00286	520HF	0.5 15	VOL	UTS -2.7	SPEC-INT	13R
19	**1**	00295	520HF	1.0 25	VOL	06S -5.4	SPEC-INT	13R
		00295	520HF	Cr 0.20	Ax 0.16	06S -5.4	SPEC-INT	13R
		00285	540HF	0.4 6	ID 20	05S+ 31.9	540-MIZ30	13R
19	83	00216	510UL	3.3 176	DNT	LTE+ 10.9	510-MIZ30	13R
19	**84**	00221	520HF	0.2 22	VOL	ETL -6.4	KET12	13R
		00221	520HF	Cr 0.11	Ax 0.10	ETL -6.4	KET12	13R

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20	**1**	00295	520HF	0.8 23	VOL	06S -15.5	SPEC-INT	13R
		00295	520HF	Cr 0.15	Ax 0.11	06S -15.5	SPEC-INT	13R
		00285	540HF	0.4 4	INR	05S+ 21.6	540-MIZ30	13R
		00295	520HF	Cr 0.20	Ax 0.16	06S -5.0	SPEC-INT	13R
		00295	520HF	0.8 18	VOL	06S -5.0	SPEC-INT	13R
		00285	540HF	0.4 6	ID 20	05S+ 32.0	540-MIZ30	13R
20	33	00154	510UL	1.3 6	ID 20	14S+ 14.3	510-MIZ30	13R
		00360	540HF	1.2 4	INR	14S+ 14.3	540-MIZ30	13R
20	41	00154	510UL	0.2 6	BVC	09S+ 12.6	510-MIZ30	13R
		00342	520HF	0.0 0	NDF	09S+ 12.6	SPEC-INT	13R
		00360	540HF	0.3 358	INR	09S+ 12.6	540-MIZ30	13R
		00154	510UL	0.4 10	ID 33	11S+ 15.2	510-MIZ30	13R
		00360	540HF	0.5 5	ID 17	11S+ 15.3	540-MIZ30	13R
		00380	520HF	0.0 0	NDF	11S+ 15.3	SPEC-INT	13R
20	**56**	00350	520HF	0.3 15	VOL	15S+ 33.6	SPEC-INT	13R
		00350	520HF	Cr 0.15	Ax 0.13	15S+ 33.6	SPEC-INT	13R
		00275	540HF	0.4 6	ID 20	15S+ 33.6	540-MIZ30	13R
20	63	00182	510UL	0.4 81	ADI	13S+ 5.9	510-MIZ30	13R
		00350	520HF	0.0 0	NDF	13S+ 5.9	SPEC-INT	13R
20	75	00216	510UL	0.2 59	NQI	07S- 0.4	510-MIZ30	13R
		00384	520HF	0.0 0	NDF	07S- 0.4	SPEC-INT	13R
20	***85***	*00275*	*540HF*	*0.5 2*	*INR*	*10S+ 14.6*	*540-MIZ30*	*13R*
		00286	*520HF*	*Cr 0.12*	*Ax 0.15*	*10S+ 15.0*	*SPEC-INT*	*13R*
		00286	*520HF*	*0.2 30*	*VOL*	*10S+ 15.0*	*SPEC-INT*	*13R*
		00384	*520HF*	*0.0 0*	*PRA*	*10S+ 15.0*	*SPEC-INT*	*13R*
		00384	*520HF*	*0.0 0*	*PRA*	*10S+ 15.0*	*SPEC-INT*	*13R*
		00286	*520HF*	*0.3 8*	*VOL*	*10S+ 15.2*	*SPEC-INT*	*13R*
		00286	*520HF*	*Cr 0.12*	*Ax 0.10*	*10S+ 15.2*	*SPEC-INT*	*13R*
		00384	*520HF*	*0.0 0*	*PRA*	*10S+ 15.2*	*SPEC-INT*	*13R*
		00384	*520HF*	*0.0 0*	*PRA*	*10S+ 15.2*	*SPEC-INT*	*13R*
		00275	*540HF*	*0.6 3*	*INR*	*10S+ 17.6*	*540-MIZ30*	*13R*
		00286	*520HF*	*Cr 0.18*	*Ax 0.15*	*10S+ 17.9*	*SPEC-INT*	*13R*
		00286	*520HF*	*0.4 8*	*VOL*	*10S+ 17.9*	*SPEC-INT*	*13R*
		00384	*520HF*	*0.0 0*	*PRA*	*10S+ 17.9*	*SPEC-INT*	*13R*
		00275	*540HF*	*0.5 9*	*ID 30*	*10S+ 18.4*	*540-MIZ30*	*13R*
		00286	*520HF*	*Cr 0.18*	*Ax 0.20*	*10S+ 18.8*	*SPEC-INT*	*13R*
		00286	*520HF*	*0.5 8*	*VOL*	*10S+ 18.8*	*SPEC-INT*	*13R*
		00384	*520HF*	*0.0 0*	*PRA*	*10S+ 18.8*	*SPEC-INT*	*13R*
		00286	*520HF*	*Cr 0.18*	*Ax 0.20*	*10S+ 20.6*	*SPEC-INT*	*13R*
		00286	*520HF*	*0.5 3*	*VOL*	*10S+ 20.6*	*SPEC-INT*	*13R*
		00384	*520HF*	*0.0 0*	*PRA*	*10S+ 20.6*	*SPEC-INT*	*13R*
		00275	*540HF*	*0.4 3*	*INR*	*10S+ 21.4*	*540-MIZ30*	*13R*
		00286	*520HF*	*Cr 0.18*	*Ax 0.15*	*10S+ 21.6*	*SPEC-INT*	*13R*
		00286	*520HF*	*0.3 11*	*VOL*	*10S+ 21.6*	*SPEC-INT*	*13R*
		00384	*520HF*	*0.0 0*	*PRA*	*10S+ 21.6*	*SPEC-INT*	*13R*
		00384	*520HF*	*0.3 17*	*VOL*	*10S+ 31.3*	*SPEC-INT*	*13R*
		00384	*520HF*	*Cr 0.16*	*Ax 0.11*	*10S+ 31.3*	*SPEC-INT*	*13R*
		00275	*540HF*	*0.4 2*	*INR*	*10S+ 31.4*	*540-MIZ30*	*13R*
		00275	*540HF*	*0.3 6*	*ID 20*	*13S+ 27.0*	*540-MIZ30*	*13R*
		00384	*520HF*	*0.0 0*	*NDF*	*14S -9.0*	*SPEC-INT*	*13R*

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00286	520HF	0.2 27	VOL	14S+ 8.5	SPEC-INT	13R
		00286	520HF	Cr 0.12	Ax 0.15	14S+ 8.5	SPEC-INT	13R
		00286	520HF	0.3 10	VOL	14S+ 12.8	SPEC-INT	13R
		00286	520HF	Cr 0.12	Ax 0.15	14S+ 12.8	SPEC-INT	13R
		00275	540HF	0.2 5	BVC	14S+ 12.9	540-MIZ30	13R
		00286	520HF	0.3 14	VOL	14S+ 14.9	SPEC-INT	13R
		00286	520HF	Cr 0.12	Ax 0.15	14S+ 14.9	SPEC-INT	13R
		00286	520HF	0.1 16	VOL	14S+ 15.9	SPEC-INT	13R
		00286	520HF	Cr 0.18	Ax 0.20	14S+ 15.9	SPEC-INT	13R
		00286	520HF	0.3 6	VOL	14S+ 17.4	SPEC-INT	13R
		00286	520HF	Cr 0.18	Ax 0.24	14S+ 17.4	SPEC-INT	13R
		00286	520HF	0.1 13	VOL	14S+ 22.1	SPEC-INT	13R
		00286	520HF	Cr 0.12	Ax 0.10	14S+ 22.1	SPEC-INT	13R
		00286	520HF	0.1 9	VOL	14S+ 24.2	SPEC-INT	13R
		00286	520HF	Cr 0.12	Ax 0.15	14S+ 24.2	SPEC-INT	13R
		00286	520HF	Cr 0.12	Ax 0.10	14S+ 26.7	SPEC-INT	13R
		00286	520HF	0.3 5	VOL	14S+ 26.7	SPEC-INT	13R
		00275	540HF	0.2 8	BVC	14S+ 26.9	540-MIZ30	13R
		00286	520HF	Cr 0.12	Ax 0.15	14S+ 30.3	SPEC-INT	13R
		00286	520HF	0.2 17	VOL	14S+ 30.3	SPEC-INT	13R
		00275	540HF	0.3 19	BVC	14S+ 30.4	540-MIZ30	13R
		00275	540HF	0.4 11	ID 37	14S+ 31.5	540-MIZ30	13R
		00286	520HF	0.2 27	VOL	14S+ 31.7	SPEC-INT	13R
		00286	520HF	Cr 0.12	Ax 0.15	14S+ 31.7	SPEC-INT	13R
		00286	520HF	Cr 0.18	Ax 0.21	14S+ 33.5	SPEC-INT	13R
		00286	520HF	0.3 13	VOL	14S+ 33.5	SPEC-INT	13R
		00275	540HF	0.3 10	ID 33	14S+ 33.7	540-MIZ30	13R
		00286	520HF	0.3 18	VOL	15S+ 0.5	SPEC-INT	13R
		00286	520HF	Cr 0.12	Ax 0.15	15S+ 0.5	SPEC-INT	13R
		00286	520HF	0.2 5	VOL	15S+ 1.3	SPEC-INT	13R
		00286	520HF	Cr 0.12	Ax 0.15	15S+ 1.3	SPEC-INT	13R
		00286	520HF	Cr 0.18	Ax 0.20	15S+ 2.0	SPEC-INT	13R
		00286	520HF	0.6 11	VOL	15S+ 2.0	SPEC-INT	13R
		00286	520HF	0.6 22	ID 36	15S+ 5.4	SPEC-INT	13R
		00286	520HF	0.5 18	SVI	15S+ 5.4	SPEC-INT	13R
		00286	520HF	Cr 0.18	Ax 0.36	15S+ 5.4	SPEC-INT	13R
		00384	520HF	0.6 12	PID	15S+ 5.4	SPEC-INT	13R
		00286	520HF	Cr 0.12	Ax 0.15	15S+ 9.1	SPEC-INT	13R
		00286	520HF	0.4 9	VOL	15S+ 9.1	SPEC-INT	13R
		00286	520HF	0.4 21	VOL	15S+ 10.7	SPEC-INT	13R
		00286	520HF	Cr 0.18	Ax 0.25	15S+ 10.7	SPEC-INT	13R
		00275	540HF	0.3 5	BVC	15S+ 10.8	540-MIZ30	13R
		00286	520HF	0.5 10	VOL	15S+ 12.2	SPEC-INT	13R
		00286	520HF	Cr 0.18	Ax 0.15	15S+ 12.2	SPEC-INT	13R
22	1	00142	510UL	2.6 171	DNT	LTE+ 11.1	510-MIZ30	13R
22	2	00142	510UL	0.2 79	NQI	15S+ 6.8	510-MIZ30	13R
		00295	520HF	0.0 0	NDF	15S+ 6.8	SPEC-INT	13R
22	**29**	00145	520HF	Cr 0.15	Ax 0.16	ETL -1.0	KET12	13R
		00145	520HF	0.3 21	VOL	ETL -1.0	KET12	13R
22	**35**	00342	520HF	0.0 0	NDF	14S+ 16.6	SPEC-INT	13R

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		00285	540HF	0.3 10	BVC	14S+ 16.6	540-MIZ30	13R
		00285	540HF	0.8 5	ID 17	15S+ 33.9	540-MIZ30	13R
		00154	510UL	0.8 10	ID 33	15S+ 34.1	510-MIZ30	13R
		00295	520HF	Cr 0.15	Ax 0.11	UTS -14.9	SPEC-INT	13R
		00295	520HF	0.1 22	VOL	UTS -14.9	SPEC-INT	13R
		00295	520HF	0.7 23	VOL	UTS -13.7	SPEC-INT	13R
		00295	520HF	Cr 0.15	Ax 0.11	UTS -13.7	SPEC-INT	13R
		00295	520HF	Cr 0.15	Ax 0.21	UTS -12.9	SPEC-INT	13R
		00295	520HF	0.7 20	VOL	UTS -12.9	SPEC-INT	13R
		00285	540HF	0.3 8	INR	15S+ 41.5	540-MIZ30	13R
		00295	520HF	Cr 0.15	Ax 0.21	UTS -5.0	SPEC-INT	13R
		00295	520HF	0.2 25	VOL	UTS -5.0	SPEC-INT	13R
		00295	520HF	Cr 0.15	Ax 0.16	UTS+ 3.9	SPEC-INT	13R
		00295	520HF	0.6 25	VOL	UTS+ 3.9	SPEC-INT	13R
		00285	540HF	0.3 11	BVC	UTS+ 4.0	540-MIZ30	13R
		00154	510UL	0.3 13	BVC	UTS+ 4.3	510-MIZ30	13R
		00145	520HF	Cr 0.15	Ax 0.16	ETL -3.6	KET12	13R
		00145	520HF	0.3 26	VOL	ETL -3.6	KET12	13R
22	37	00154	510UL	0.7 6	ID 20	14S+ 22.4	510-MIZ30	13R
		00360	540HF	0.7 3	INR	14S+ 22.4	540-MIZ30	13R
22	46	00342	520HF	0.7 0	WAR 14	08S+ 0.7	SPEC-INT	13R
		00156	510UL	0.2 50	NQI	08S+ 0.7	510-MIZ30	13R
22	48	00182	510UL	0.6 150	INR	05S+ 24.1	510-MIZ30	13R
22	**50**	00229	520HF	0.8 31	VOL	ETL- 0.1	KET12	13R
		00229	520HF	Cr 0.17	Ax 0.20	ETL- 0.1	KET12	13R
22	52	00182	510UL	3.5 13	NQI	LTE+ 1.8	510-MIZ30	13R
		00350	520HF	0.0 0	NDF	LTE+ 1.8	SPEC-INT	13R
22	62	00360	540HF	0.6 1	INR	15S+ 22.3	540-MIZ30	13R
		00182	510UL	0.6 6	ID 20	15S+ 23.3	510-MIZ30	13R
22	70	00182	510UL	0.2 86	NQI	UTS+ 0.3	510-MIZ30	13R
		00362	520HF	0.0 0	NDF	UTS+ 0.3	SPEC-INT	13R
22	88	00218	510UL	3.6 172	DNT	LTE+ 10.6	510-MIZ30	13R
		00218	510UL	0.2 75	NQI	LTE+ 15.2	510-MIZ30	13R
		00362	520HF	0.0 0	NDF	LTE+ 15.2	SPEC-INT	13R
22	90	00218	510UL	0.2 95	NQI	14S+ 33.1	510-MIZ30	13R
		00362	520HF	0.0 0	NDF	15S -1.9	SPEC-INT	13R
		00218	510UL	0.1 47	INR	15S+ 0.2	510-MIZ30	13R
23	9	00142	510UL	0.1 82	NQI	LTE+ 17.0	510-MIZ30	13R
		00295	520HF	0.0 0	NDF	LTS -7.0	SPEC-INT	13R
23	18	00146	510UL	2.9 177	DNT	07S+ 15.1	510-MIZ30	13R
23	25	00148	510UL	3.2 180	DNT	LTS+ 6.5	510-MIZ30	13R
23	**26**	00285	540HF	0.4 6	ID 20	15S+ 32.4	540-MIZ30	13R
		00342	520HF	Cr 0.14	Ax 0.14	15S+ 32.8	SPEC-INT	13R
		00342	520HF	0.3 19	VOL	15S+ 32.8	SPEC-INT	13R
24	**2**	00142	510UL	3.4 174	DNT	LTE+ 10.9	510-MIZ30	13R
		00143	520HF	0.3 24	VOL	ETL -1.6	KET06	13R
		00143	520HF	Cr 0.15	Ax 0.11	ETL -1.6	KET06	13R
24	10	00142	510UL	0.2 84	INR	08S+ 36.0	510-MIZ30	13R
		00142	510UL	0.3 145	INR	14S+ 18.6	510-MIZ30	13R
24	11	00256	510UL	3.7 185	DNT	01S+ 5.6	510-MIZ30	13R

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24	**40**	00145	520HF	0.2 10	VOL	ETL -1.0	KET12	13R
		00145	520HF	Cr 0.15	Ax 0.10	ETL -1.0	KET12	13R
24	52	00180	510UL	0.5 79	INR	LTE+ 13.1	510-MIZ30	13R
24	**56**	00229	520HF	Cr 0.17	Ax 0.15	ETL- 0.5	KET12	13R
		00229	520HF	0.5 27	VOL	ETL- 0.5	KET12	13R
24	66	00180	510UL	0.3 82	NQI	LTE+ 10.4	510-MIZ30	13R
		00362	520HF	0.0 0	NDF	LTE+ 10.4	SPEC-INT	13R
		00180	510UL	0.2 88	NQI	LTE+ 20.1	510-MIZ30	13R
		00362	520HF	0.0 0	NDF	LTE+ 20.1	SPEC-INT	13R
24	**76**	00229	520HF	Cr 0.22	Ax 0.20	ETL -3.5	KET12	13R
		00229	520HF	0.3 21	VOL	ETL -3.5	KET12	13R
		00229	520HF	Cr 0.17	Ax 0.15	ETL- 0.6	KET12	13R
		00229	520HF	0.4 29	VOL	ETL- 0.6	KET12	13R
24	**77**	00231	520HF	Cr 0.20	Ax 0.16	ETL -1.4	KET12	13R
		00231	520HF	0.5 25	VOL	ETL -1.4	KET12	13R
24	**78**	00229	520HF	Cr 0.22	Ax 0.15	ETL- 0.8	KET12	13R
		00229	520HF	0.5 15	VOL	ETL- 0.8	KET12	13R
		00229	520HF	0.1 18	VOL	ETL- 0.1	KET12	13R
		00229	520HF	Cr 0.11	Ax 0.10	ETL- 0.1	KET12	13R
24	92	00218	510UL	0.4 79	NQI	15S+ 1.0	510-MIZ30	13R
		00362	520HF	0.0 0	NDF	15S+ 1.0	SPEC-INT	13R
25	1	00142	510UL	0.2 79	NQI	13S- 0.8	510-MIZ30	13R
		00342	520HF	0.0 0	NDF	13S- 0.8	SPEC-INT	13R
25	3	00142	510UL	0.3 119	NQI	02S- 0.8	510-MIZ30	13R
		00305	520HF	0.0 0	NDF	02S- 0.8	SPEC-INT	13R
25	14	00256	510UL	0.3 60	NQI	LTE+ 19.5	510-MIZ30	13R
		00342	520HF	0.0 0	NDF	LTE+ 19.5	SPEC-INT	13R
25	23	00148	510UL	0.2 46	NQI	13S+ 33.7	510-MIZ30	13R
		00305	520HF	0.0 0	NDF	13S+ 33.7	SPEC-INT	13R
25	41	00148	510UL	0.1 76	NQI	10S+ 19.9	510-MIZ30	13R
		00305	520HF	0.0 0	NDF	10S+ 19.9	SPEC-INT	13R
25	66	00182	510UL	0.1 89	INR	02S- 0.8	510-MIZ30	13R
25	79	00180	510UL	0.8 75	NQI	LTE+ 11.0	510-MIZ30	13R
		00362	520HF	0.0 0	NDF	LTE+ 11.0	SPEC-INT	13R
25	87	00224	510UL	0.2 78	NQI	15S+ 14.2	510-MIZ30	13R
		00362	520HF	0.0 0	NDF	15S+ 14.2	SPEC-INT	13R
25	89	00224	510UL	0.3 118	NQI	10S+ 5.1	510-MIZ30	13R
		00362	520HF	0.0 0	NDF	10S+ 5.1	SPEC-INT	13R
26	5	00142	510UL	0.3 69	NQI	LTE+ 19.0	510-MIZ30	13R
		00305	520HF	0.0 0	NDF	LTE+ 19.0	SPEC-INT	13R
26	6	00256	510UL	0.2 113	NQI	10S+ 8.0	510-MIZ30	13R
		00342	520HF	0.0 0	NDF	10S+ 8.0	SPEC-INT	13R
26	13	00142	510UL	0.3 144	INR	03S+ 36.0	510-MIZ30	13R
26	**52**	00384	520HF	Cr 0.16	Ax 0.11	ETL- 0.7	SPEC-INT	13R
		00384	520HF	0.4 18	VOL	ETL- 0.7	SPEC-INT	13R
26	64	00180	510UL	1.0 128	INR	12S+ 11.5	510-MIZ30	13R
26	**92**	00286	520HF	0.7 27	VOL	ETL -1.1	SPEC-INT	13R
		00286	520HF	Cr 0.24	Ax 0.17	ETL -1.1	SPEC-INT	13R
		00384	520HF	0.7 13	PID	ETL -1.1	SPEC-INT	13R
26	93	00218	510UL	0.1 58	INR	08S- 0.3	510-MIZ30	13R

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26	**96**	00275	540HF	4.8 169	DNT	LTE+ 11.0	540-MIZ30	13R
		00384	520HF	0.0 0	NDF	15S+ 1.3	SPEC-INT	13R
		00275	540HF	0.2 83	NQI	15S+ 1.3	540-MIZ30	13R
		00275	540HF	0.3 5	BVC	15S+ 19.4	540-MIZ30	13R
		00286	520HF	Cr 0.18	Ax 0.15	15S+ 19.5	SPEC-INT	13R
		00286	520HF	0.3 10	VOL	15S+ 19.5	SPEC-INT	13R
		00275	540HF	0.2 6	BVC	15S+ 35.1	540-MIZ30	13R
		00286	520HF	Cr 0.12	Ax 0.15	15S+ 35.5	SPEC-INT	13R
		00286	520HF	0.3 7	VOL	15S+ 35.5	SPEC-INT	13R
27	**2**	00145	520HF	Cr 0.20	Ax 0.21	ETL -1.9	KET12	13R
		00145	520HF	0.5 14	VOL	ETL -1.9	KET12	13R
27	7	00256	510UL	0.1 46	INR	08S+ 0.1	510-MIZ30	13R
27	23	00146	510UL	0.6 98	NQI	LTE+ 8.0	510-MIZ30	13R
		00305	520HF	0.0 0	NDF	LTE+ 8.0	SPEC-INT	13R
27	**30**	00143	520HF	0.2 1	VOL	ETL- 0.9	KET12	13R
		00143	520HF	Cr 0.15	Ax 0.11	ETL- 0.9	KET12	13R
27	41	00146	510UL	2.1 179	INR	08S+ 13.0	510-MIZ30	13R
27	**47**	00143	520HF	0.7 17	VOL	ETL- 0.5	KET06	13R
		00143	520HF	Cr 0.15	Ax 0.17	ETL- 0.5	KET06	13R
27	**52**	00229	520HF	0.2 26	VOL	ETL -3.0	KET12	13R
		00229	520HF	Cr 0.17	Ax 0.15	ETL -3.0	KET12	13R
		00229	520HF	Cr 0.17	Ax 0.10	ETL -2.2	KET12	13R
		00229	520HF	0.2 25	VOL	ETL -2.2	KET12	13R
		00229	520HF	Cr 0.22	Ax 0.20	ETL -2.0	KET12	13R
		00229	520HF	0.3 23	VOL	ETL -2.0	KET12	13R
27	**55**	00231	520HF	0.3 9	VOL	ETL -2.0	KET06	13R
		00231	520HF	Cr 0.20	Ax 0.16	ETL -2.0	KET06	13R
27	**71**	00229	520HF	Cr 0.17	Ax 0.20	ETL -2.7	KET12	13R
		00229	520HF	0.9 32	VOL	ETL -2.7	KET12	13R
		00229	520HF	Cr 0.17	Ax 0.15	ETL -2.0	KET12	13R
		00229	520HF	0.1 20	VOL	ETL -2.0	KET12	13R
27	**75**	00229	520HF	Cr 0.11	Ax 0.10	ETL -1.1	KET12	13R
		00229	520HF	0.1 5	VOL	ETL -1.1	KET12	13R
27	**79**	00229	520HF	Cr 0.11	Ax 0.15	ETL -4.7	KET12	13R
		00229	520HF	0.3 18	VOL	ETL -4.7	KET12	13R
27	96	00275	540HF	3.0 173	DNT	LTE+ 10.7	540-MIZ30	13R
		00286	520HF	0.0 0	NDF	LTE+ 21.8	SPEC-INT	13R
		00275	540HF	0.5 63	NQI	LTE+ 21.8	540-MIZ30	13R
		00275	540HF	0.2 4	INR	15S+ 38.3	540-MIZ30	13R
27	97	00224	510UL	3.6 174	DNT	LTE+ 10.6	510-MIZ30	13R
		00224	510UL	0.2 82	NQI	10S- 0.3	510-MIZ30	13R
		00362	520HF	0.5 0	WAR 11	10S- 0.2	SPEC-INT	13R
28	6	00142	510UL	0.2 91	NQI	10S+ 11.6	510-MIZ30	13R
		00305	520HF	0.0 0	NDF	10S+ 11.6	SPEC-INT	13R
28	7	00256	510UL	0.1 49	INR	09S- 0.8	510-MIZ30	13R
28	52	00182	510UL	3.2 188	DNT	06S+ 10.4	510-MIZ30	13R
28	64	00182	510UL	0.9 191	INR	06S+ 33.5	510-MIZ30	13R
28	81	00182	510UL	0.4 78	NQI	09S- 0.8	510-MIZ30	13R
		00362	520HF	0.7 0	WAR 15	09S- 0.8	SPEC-INT	13R
28	**92**	00286	520HF	Cr 0.18	Ax 0.15	ETL -1.2	SPEC-INT	13R

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		00286	520HF	0.4 27	VOL	ETL -1.2	SPEC-INT	13R
28	93	00218	510UL	0.2 87	NQI	10S+ 12.0	510-MIZ30	13R
		00362	520HF	0.0 0	NDF	10S+ 12.0	SPEC-INT	13R
28	97	00218	510UL	0.3 79	NQI	15S- 0.2	510-MIZ30	13R
		00362	520HF	0.0 0	NDF	15S- 0.2	SPEC-INT	13R
28	99	00224	510UL	2.8 176	DNT	LTE+ 10.6	510-MIZ30	13R
29	***3***	*00145*	*520HF*	*Cr 0.12*	*Ax 0.16*	*ETL -2.1*	*KET12*	*13R*
		00145	*520HF*	*0.3 29*	*VOL*	*ETL -2.1*	*KET12*	*13R*
		00145	*520HF*	*0.3 29*	*VOL*	*ETL -2.1*	*KET12*	*13R*
		00145	*520HF*	*Cr 0.15*	*Ax 0.16*	*ETL -2.1*	*KET12*	*13R*
		00145	*520HF*	*Cr 0.15*	*Ax 0.10*	*ETL -1.9*	*KET12*	*13R*
		00145	*520HF*	*0.3 23*	*VOL*	*ETL -1.9*	*KET12*	*13R*
		00145	*520HF*	*0.2 12*	*VOL*	*ETL -1.2*	*KET12*	*13R*
		00145	*520HF*	*Cr 0.12*	*Ax 0.13*	*ETL -1.2*	*KET12*	*13R*
29	**8**	00145	520HF	Cr 0.22	Ax 0.12	ETL- 0.2	KET12	13R
		00145	520HF	0.2 26	VOL	ETL- 0.2	KET12	13R
29	32	00148	510UL	3.7 0	INR	LTE+ 10.9	510-MIZ30	13R
29	**36**	00145	520HF	Cr 0.17	Ax 0.13	ETL- 0.8	KET12	13R
		00145	520HF	0.2 21	VOL	ETL- 0.8	KET12	13R
29	38	00148	510UL	0.7 358	INR	08S+ 0.7	510-MIZ30	13R
29	58	00275	540HF	0.3 3	INR	15S+ 30.1	540-MIZ30	13R
29	64	00180	510UL	0.2 77	NQI	LTE+ 11.7	510-MIZ30	13R
		00362	520HF	0.0 0	NDF	LTE+ 11.7	SPEC-INT	13R
29	**68**	00229	520HF	0.2 33	VOL	ETL -2.0	KET12	13R
		00229	520HF	Cr 0.11	Ax 0.10	ETL -2.0	KET12	13R
29	**74**	00229	520HF	Cr 0.11	Ax 0.10	ETL -1.0	KET06	13R
		00229	520HF	0.1 25	VOL	ETL -1.0	KET06	13R
29	**80**	00229	520HF	0.3 21	VOL	ETL -2.7	KET12	13R
		00229	520HF	Cr 0.28	Ax 0.20	ETL -2.7	KET12	13R
29	94	00224	510UL	2.5 177	DNT	LTE+ 10.0	510-MIZ30	13R
29	99	00224	510UL	0.8 115	INR	15S+ 2.7	510-MIZ30	13R
29	101	00224	510UL	2.6 179	DNT	LTE+ 10.9	510-MIZ30	13R
30	6	00144	510UL	0.2 82	NQI	LTE+ 7.6	510-MIZ30	13R
		00305	520HF	0.0 0	NDF	LTE+ 7.6	SPEC-INT	13R
30	8	00144	510UL	0.1 86	INR	09S- 0.9	510-MIZ30	13R
30	13	00142	510UL	1.1 76	INR	12S+ 32.9	510-MIZ30	13R
30	23	00285	540HF	0.3 7	INR	11S+ 7.6	540-MIZ30	13R
		00342	520HF	0.0 0	NDF	15S+ 13.1	SPEC-INT	13R
		00285	540HF	0.3 8	BVC	15S+ 13.1	540-MIZ30	13R
		00342	520HF	0.0 0	NDF	15S+ 34.7	SPEC-INT	13R
		00285	540HF	0.3 6	BVC	15S+ 34.7	540-MIZ30	13R
		00285	540HF	0.3 17	INR	15S+ 40.3	540-MIZ30	13R
30	36	00148	510UL	0.1 83	NQI	14S+ 32.0	510-MIZ30	13R
		00305	520HF	0.0 0	NDF	14S+ 32.0	SPEC-INT	13R
30	58	00182	510UL	1.5 83	INR	15S+ 8.2	510-MIZ30	13R
30	98	00224	510UL	0.2 77	NQI	10S- 0.3	510-MIZ30	13R
		00362	520HF	0.3 0	WAR 7	10S- 0.2	SPEC-INT	13R
31	**1**	00380	520HF	0.0 0	NDF	04S+ 12.5	SPEC-INT	13R
		00291	540HF	0.3 10	BVC	04S+ 12.5	540-MIZ30	13R
		00380	520HF	Cr 0.16	Ax 0.22	08S+ 6.7	SPEC-INT	13R

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		00380	520HF	0.5 16	VOL	08S+ 6.7	SPEC-INT	13R
		00404	520HF	0.0 0	PRA	08S+ 6.7	SPEC-INT	13R
		00291	540HF	0.4 10	BVC	08S+ 6.7	540-MIZ30	13R
		00404	520HF	0.1 17	VOL	08S+ 32.3	SPEC-INT	13R
		00404	520HF	Cr 0.15	Ax 0.11	08S+ 32.3	SPEC-INT	13R
31	40	00146	510UL	0.3 70	NQI	08S+ 0.6	510-MIZ30	13R
		00309	520HF	0.5 0	WAR 7	08S+ 0.7	SPEC-INT	13R
31	***41***	*00398*	*520HF*	*0.6 38*	*PID*	*ETL -1.2*	*KET12*	*13R*
		00253	*520HF*	*Cr 0.16*	*Ax 0.10*	*ETL -1.2*	*KET12*	*13R*
		00253	*520HF*	*0.5 33*	*VOL*	*ETL -1.2*	*KET12*	*13R*
		00253	*520HF*	*0.1 20*	*VOL*	*ETL- 0.8*	*KET12*	*13R*
		00253	*520HF*	*Cr 0.16*	*Ax 0.16*	*ETL- 0.8*	*KET12*	*13R*
31	**66**	00145	520HF	0.4 23	VOL	ETL -3.6	KET12	13R
		00145	520HF	Cr 0.15	Ax 0.22	ETL -3.6	KET12	13R
		00145	520HF	Cr 0.17	Ax 0.24	ETL- 0.3	KET12	13R
		00145	520HF	0.8 26	VOL	ETL- 0.3	KET12	13R
		00339	520HF	0.7 19	PID	ETL- 0.3	KET12	13R
31	**75**	00145	520HF	0.2 7	VOL	ETL -1.3	KET12	13R
		00145	520HF	Cr 0.15	Ax 0.13	ETL -1.3	KET12	13R
31	79	00180	510UL	0.4 343	INR	LTS- 0.4	510-MIZ30	13R
31	95	00224	510UL	3.7 178	DNT	LTE+ 10.2	510-MIZ30	13R
32	30	00146	510UL	0.9 70	INR	12S+ 27.9	510-MIZ30	13R
32	**81**	00275	540HF	0.8 9	ID 30	15S+ 35.5	540-MIZ30	13R
		00275	540HF	0.5 8	ID 27	15S+ 35.9	540-MIZ30	13R
		00286	520HF	0.7 27	VOL	15S+ 36.3	SPEC-INT	13R
		00286	520HF	Cr 0.24	Ax 0.15	15S+ 36.3	SPEC-INT	13R
		00286	520HF	0.6 11	VOL	15S+ 36.7	SPEC-INT	13R
		00286	520HF	Cr 0.18	Ax 0.15	15S+ 36.7	SPEC-INT	13R
		00275	540HF	0.3 181	INR	15S+ 36.9	540-MIZ30	13R
		00396	520HF	0.0 0	PRA	UTS -10.9	SPEC-INT	13R
		00396	520HF	0.0 0	PRA	UTS -10.5	SPEC-INT	13R
		00396	520HF	Cr 0.15	Ax 0.12	UTS -3.6	SPEC-INT	13R
		00396	520HF	0.4 9	VOL	UTS -3.6	SPEC-INT	13R
32	104	00224	510UL	3.5 175	DNT	LTE+ 11.0	510-MIZ30	13R
33	**7**	00142	510UL	0.3 80	NQI	LTE+ 11.9	510-MIZ30	13R
		00342	520HF	0.0 0	NDF	LTE+ 11.9	SPEC-INT	13R
		00309	520HF	0.0 0	NDF	LTE+ 11.9	SPEC-INT	13R
		00081	520HF	Cr 0.15	Ax 0.12	ETL -1.2	KET12	13R
		00081	520HF	0.3 30	VOL	ETL -1.2	KET12	13R
33	**9**	00081	520HF	0.4 12	VOL	ETL- 0.5	KET12	13R
		00081	520HF	Cr 0.14	Ax 0.13	ETL- 0.5	KET12	13R
33	20	00144	510UL	0.1 102	NQI	13S- 0.0	510-MIZ30	13R
		00309	520HF	0.0 0	NDF	13S- 0.0	SPEC-INT	13R
33	**25**	00081	520HF	0.4 9	VOL	ETL -2.2	KET12	13R
		00081	520HF	Cr 0.19	Ax 0.12	ETL -2.2	KET12	13R
33	52	00148	510UL	0.2 103	NQI	14S+ 33.4	510-MIZ30	13R
		00342	520HF	0.0 0	PRA	14S+ 33.4	SPEC-INT	13R
		00309	520HF	0.0 0	NDF	14S+ 33.4	SPEC-INT	13R
33	**67**	00155	520HF	Cr 0.14	Ax 0.11	ETL- 0.1	KET06	13R
		00155	520HF	0.5 23	VOL	ETL- 0.1	KET06	13R

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33	**70**	00286	520HF	Cr 0.12	Ax 0.15	ETL -2.4	SPEC-INT	13R
		00286	520HF	0.5 17	VOL	ETL -2.4	SPEC-INT	13R
33	**78**	00157	520HF	Cr 0.10	Ax 0.10	ETL- 0.9	KET12	13R
		00157	520HF	0.4 12	VOL	ETL- 0.9	KET12	13R
33	**83**	00286	520HF	0.4 17	VOL	UTS -12.4	SPEC-INT	13R
		00286	520HF	Cr 0.18	Ax 0.15	UTS -12.4	SPEC-INT	13R
		00275	540HF	0.4 7	ID 23	15S+ 45.2	540-MIZ30	13R
		00286	520HF	0.4 10	VOL	UTS -1.3	SPEC-INT	13R
		00286	520HF	Cr 0.18	Ax 0.15	UTS -1.3	SPEC-INT	13R
		00275	540HF	0.6 11	ID 37	UTS+ 1.9	540-MIZ30	13R
		00286	520HF	0.8 1	VOL	UTS+ 2.2	SPEC-INT	13R
		00286	520HF	Cr 0.24	Ax 0.15	UTS+ 2.2	SPEC-INT	13R
33	**90**	00155	520HF	0.4 4	VOL	ETL -2.0	KET12	13R
		00155	520HF	Cr 0.10	Ax 0.11	ETL -2.0	KET12	13R
33	**92**	00155	520HF	0.2 0	VOL	ETL -1.2	KET12	13R
		00155	520HF	Cr 0.10	Ax 0.06	ETL -1.2	KET12	13R
33	**94**	00155	520HF	Cr 0.05	Ax 0.06	ETL -1.3	KET12	13R
		00155	520HF	0.1 13	VOL	ETL -1.3	KET12	13R
		00155	520HF	Cr 0.05	Ax 0.06	ETL- 0.9	KET12	13R
		00155	520HF	0.2 15	VOL	ETL- 0.9	KET12	13R
33	**97**	00275	540HF	0.3 6	ID 20	15S+ 10.3	540-MIZ30	13R
		00286	520HF	0.4 8	VOL	15S+ 10.8	SPEC-INT	13R
		00286	520HF	Cr 0.12	Ax 0.10	15S+ 10.8	SPEC-INT	13R
		00275	540HF	0.4 9	ID 30	15S+ 36.7	540-MIZ30	13R
		00286	520HF	0.6 25	VOL	15S+ 37.5	SPEC-INT	13R
		00286	520HF	Cr 0.12	Ax 0.10	15S+ 37.5	SPEC-INT	13R
33	**102**	00275	540HF	0.4 5	ID 17	15S+ 5.9	540-MIZ30	13R
		00286	520HF	Cr 0.12	Ax 0.10	15S+ 5.9	SPEC-INT	13R
		00286	520HF	0.7 14	VOL	15S+ 5.9	SPEC-INT	13R
33	104	00218	510UL	0.3 82	NQI	15S+ 5.0	510-MIZ30	13R
		00362	520HF	0.0 0	NDF	15S+ 5.0	SPEC-INT	13R
34	***1***	*00338*	*520HF*	*0.0 0*	*PID*	*06S -6.5*	*SPEC-INT*	*13R*
		00309	*520HF*	*Cr 0.10*	*Ax 0.11*	*06S -6.5*	*SPEC-INT*	*13R*
		00309	*520HF*	*0.2 20*	*VOL*	*06S -6.5*	*SPEC-INT*	*13R*
		00309	*520HF*	*0.1 25*	*VOL*	*06S -5.1*	*SPEC-INT*	*13R*
		00309	*520HF*	*Cr 0.15*	*Ax 0.17*	*06S -5.1*	*SPEC-INT*	*13R*
		00309	*520HF*	*Cr 0.15*	*Ax 0.17*	*06S -4.1*	*SPEC-INT*	*13R*
		00309	*520HF*	*0.2 8*	*VOL*	*06S -4.1*	*SPEC-INT*	*13R*
		00309	*520HF*	*Cr 0.20*	*Ax 0.22*	*06S -3.0*	*SPEC-INT*	*13R*
		00309	*520HF*	*0.3 16*	*VOL*	*06S -3.0*	*SPEC-INT*	*13R*
		00309	*520HF*	*Cr 0.20*	*Ax 0.17*	*06S -2.7*	*SPEC-INT*	*13R*
		00309	*520HF*	*0.1 14*	*VOL*	*06S -2.7*	*SPEC-INT*	*13R*
		00309	*520HF*	*0.1 7*	*VOL*	*06S -1.9*	*SPEC-INT*	*13R*
		00309	*520HF*	*Cr 0.15*	*Ax 0.11*	*06S -1.9*	*SPEC-INT*	*13R*
		00309	*520HF*	*0.3 11*	*VOL*	*06S -1.7*	*SPEC-INT*	*13R*
		00309	*520HF*	*Cr 0.20*	*Ax 0.17*	*06S -1.7*	*SPEC-INT*	*13R*
		00309	*520HF*	*Cr 0.15*	*Ax 0.11*	*06S+ 0.4*	*SPEC-INT*	*13R*
		00309	*520HF*	*0.2 12*	*VOL*	*06S+ 0.4*	*SPEC-INT*	*13R*
		00309	*520HF*	*0.2 15*	*VOL*	*06S+ 0.8*	*SPEC-INT*	*13R*
		00309	*520HF*	*Cr 0.15*	*Ax 0.17*	*06S+ 0.8*	*SPEC-INT*	*13R*

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		00309	520HF	Cr 0.10	Ax 0.11	06S+	1.4	SPEC-INT	13R
		00309	520HF	0.1 16	VOL	06S+	1.4	SPEC-INT	13R
		00309	520HF	Cr 0.10	Ax 0.11	06S+	1.4	SPEC-INT	13R
		00309	520HF	0.1 10	VOL	06S+	1.4	SPEC-INT	13R
		00309	520HF	Cr 0.15	Ax 0.11	06S+	2.4	SPEC-INT	13R
		00309	520HF	0.2 7	VOL	06S+	2.4	SPEC-INT	13R
		00309	520HF	Cr 0.15	Ax 0.17	06S+	2.6	SPEC-INT	13R
		00309	520HF	0.2 4	VOL	06S+	2.6	SPEC-INT	13R
		00309	520HF	Cr 0.15	Ax 0.17	06S+	3.5	SPEC-INT	13R
		00309	520HF	0.1 14	VOL	06S+	3.5	SPEC-INT	13R
		00309	520HF	Cr 0.10	Ax 0.11	06S+	3.6	SPEC-INT	13R
		00309	520HF	0.1 2	VOL	06S+	3.6	SPEC-INT	13R
		00309	520HF	Cr 0.10	Ax 0.11	06S+	3.9	SPEC-INT	13R
		00309	520HF	0.2 18	VOL	06S+	3.9	SPEC-INT	13R
		00309	520HF	0.2 20	VOL	06S+	4.5	SPEC-INT	13R
		00309	520HF	Cr 0.10	Ax 0.11	06S+	4.5	SPEC-INT	13R
		00309	520HF	Cr 0.10	Ax 0.11	06S+	4.8	SPEC-INT	13R
		00309	520HF	0.2 16	VOL	06S+	4.8	SPEC-INT	13R
		00309	520HF	0.2 16	VOL	06S+	4.9	SPEC-INT	13R
		00309	520HF	Cr 0.15	Ax 0.11	06S+	4.9	SPEC-INT	13R
		00309	520HF	0.3 10	VOL	06S+	5.8	SPEC-INT	13R
		00309	520HF	Cr 0.15	Ax 0.11	06S+	5.8	SPEC-INT	13R
		00338	520HF	0.3 14	VOL	06S+	6.3	SPEC-INT	13R
		00338	520HF	Cr 0.17	Ax 0.14	06S+	6.3	SPEC-INT	13R
		00338	520HF	Cr 0.13	Ax 0.22	06S+	6.4	SPEC-INT	13R
		00338	520HF	0.3 15	VOL	06S+	6.4	SPEC-INT	13R
		00338	520HF	0.0 0	PRA	06S+	6.6	SPEC-INT	13R
		00309	520HF	0.3 14	VOL	06S+	6.6	SPEC-INT	13R
		00309	520HF	Cr 0.15	Ax 0.17	06S+	6.6	SPEC-INT	13R
		00309	520HF	0.3 24	VOL	06S+	6.8	SPEC-INT	13R
		00309	520HF	Cr 0.15	Ax 0.22	06S+	6.8	SPEC-INT	13R
		00338	520HF	Cr 0.17	Ax 0.14	06S+	7.3	SPEC-INT	13R
		00338	520HF	0.3 12	VOL	06S+	7.3	SPEC-INT	13R
		00291	540HF	0.5 5	ID 17	06S+	7.4	540-MIZ30	13R
		00338	520HF	0.0 0	NDF	06S+	8.4	SPEC-INT	13R
		00291	540HF	0.4 9	BVC	06S+	8.4	540-MIZ30	13R
		00338	520HF	Cr 0.13	Ax 0.22	06S+	10.4	SPEC-INT	13R
		00338	520HF	0.3 10	VOL	06S+	10.4	SPEC-INT	13R
		00338	520HF	0.6 26	VOL	06S+	14.7	SPEC-INT	13R
		00338	520HF	Cr 0.17	Ax 0.14	06S+	14.7	SPEC-INT	13R
		00291	540HF	0.4 8	ID 27	06S+	14.7	540-MIZ30	13R
		00338	520HF	0.6 24	VOL	06S+	15.7	SPEC-INT	13R
		00338	520HF	Cr 0.21	Ax 0.14	06S+	15.7	SPEC-INT	13R
		00291	540HF	0.5 7	ID 23	06S+	15.8	540-MIZ30	13R
34	**3**	00338	520HF	0.0 0	PRA	UTS+	2.0	SPEC-INT	13R
		00309	520HF	Cr 0.20	Ax 0.17	UTS+	2.0	SPEC-INT	13R
		00309	520HF	1.1 29	VOL	UTS+	2.0	SPEC-INT	13R
		00291	540HF	0.6 6	ID 20	UTS+	2.0	540-MIZ30	13R
		00291	540HF	0.4 7	BVC	UTS+	4.0	540-MIZ30	13R
		00309	520HF	Cr 0.20	Ax 0.17	UTS+	4.1	SPEC-INT	13R

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		00309	520HF	0.6 20	VOL	UTS+ 4.1	SPEC-INT	13R
		00309	520HF	Cr 0.20	Ax 0.17	UTS+ 5.1	SPEC-INT	13R
		00309	520HF	0.4 27	VOL	UTS+ 5.1	SPEC-INT	13R
34	5	00142	510UL	5.1 176	DNT	LTE+ 10.9	510-MIZ30	13R
34	6	00144	510UL	6.3 179	DNT	LTE+ 10.9	510-MIZ30	13R
34	18	00144	510UL	0.7 93	INR	LTS+ 27.3	510-MIZ30	13R
		00144	510UL	0.6 69	INR	06S+ 31.1	510-MIZ30	13R
		00144	510UL	0.8 98	INR	06S+ 35.5	510-MIZ30	13R
		00144	510UL	0.3 63	INR	11S+ 29.7	510-MIZ30	13R
		00144	510UL	0.6 56	INR	13S+ 25.0	510-MIZ30	13R
34	21	00142	510UL	0.2 40	NQI	12S- 0.4	510-MIZ30	13R
		00309	520HF	0.0 0	NDF	12S- 0.4	SPEC-INT	13R
34	25	00148	510UL	0.6 79	NQI	06S+ 0.5	510-MIZ30	13R
		00338	520HF	0.0 0	PRA	06S+ 0.6	SPEC-INT	13R
		00309	520HF	0.7 0	WAR 9	06S+ 0.6	SPEC-INT	13R
		00148	510UL	0.2 104	NQI	11S+ 31.0	510-MIZ30	13R
		00309	520HF	0.0 0	NDF	11S+ 31.0	SPEC-INT	13R
35	5	00142	510UL	5.2 175	DNT	LTE+ 10.8	510-MIZ30	13R
35	7	00142	510UL	6.6 177	DNT	LTE+ 10.8	510-MIZ30	13R
35	26	00148	510UL	0.2 99	NQI	14S+ 21.6	510-MIZ30	13R
		00338	520HF	0.0 0	PRA	14S+ 21.6	SPEC-INT	13R
		00309	520HF	0.0 0	NDF	14S+ 21.6	SPEC-INT	13R
35	**27**	00338	520HF	0.0 0	INF	ETL -1.9	SPEC-INT	13R
		00338	520HF	0.0 0	PRA	ETL -1.4	SPEC-INT	13R
		00253	520HF	Cr 0.21	Ax 0.16	ETL -1.4	KET03	13R
		00253	520HF	0.9 29	VOL	ETL -1.4	KET03	13R
35	32	00148	510UL	0.1 77	NQI	02S+ 19.2	510-MIZ30	13R
		00309	520HF	0.0 0	NDF	02S+ 19.2	SPEC-INT	13R
35	42	00148	510UL	1.5 27	ADI	01S+ 14.7	510-MIZ30	13R
		00342	520HF	0.0 0	NDF	01S+ 14.7	SPEC-INT	13R
		00309	520HF	0.0 0	NDF	01S+ 14.7	SPEC-INT	13R
35	48	00148	510UL	1.2 72	ADI	01S+ 30.2	510-MIZ30	13R
		00342	520HF	0.0 0	NDF	01S+ 30.2	SPEC-INT	13R
		00309	520HF	0.0 0	NDF	01S+ 30.2	SPEC-INT	13R
35	104	00224	510UL	2.6 171	DNT	LTE+ 10.8	510-MIZ30	13R
		00224	510UL	0.3 82	NQI	11S+ 0.2	510-MIZ30	13R
		00362	520HF	0.6 0	WAR 12	11S+ 0.2	SPEC-INT	13R
36	7	00144	510UL	4.5 181	DNT	LTE+ 11.3	510-MIZ30	13R
36	8	00142	510UL	6.3 174	DNT	LTE+ 10.6	510-MIZ30	13R
36	**14**	00083	520HF	Cr 0.15	Ax 0.11	ETL -1.4	KET12	13R
		00083	520HF	0.2 20	VOL	ETL -1.4	KET12	13R
36	27	00146	510UL	1.2 14	INR	LTS+ 40.6	510-MIZ30	13R
		00146	510UL	2.9 183	DNT	LTS+ 40.7	510-MIZ30	13R
36	67	00188	510UL	1.4 51	INR	05S+ 9.5	510-MIZ30	13R
36	77	00188	510UL	1.1 91	INR	01S+ 8.3	510-MIZ30	13R
36	88	00188	510UL	0.6 74	NQI	LTE+ 4.9	510-MIZ30	13R
		00400	520HF	0.0 0	NDF	LTE+ 4.9	KET12	13R
36	**96**	00275	540HF	0.3 11	BVC	15S+ 29.8	540-MIZ30	13R
		00286	520HF	0.3 20	VOL	15S+ 30.8	SPEC-INT	13R
		00286	520HF	Cr 0.12	Ax 0.15	15S+ 30.8	KET12	13R

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		00384	520HF	0.0 0	PRA	UTS -16.6	SPEC-INT	13R
36	103	00218	510UL	0.3 73	NQI	LTS+ 35.2	510-MIZ30	13R
		00362	520HF	0.0 0	NDF	01S -10.8	SPEC-INT	13R
36	**106**	00275	540HF	0.5 4	INR	15S+ 34.5	540-MIZ30	13R
		00286	520HF	Cr 0.18	Ax 0.10	15S+ 35.1	SPEC-INT	13R
		00286	520HF	0.5 9	VOL	15S+ 35.1	SPEC-INT	13R
36	109	00224	510UL	3.2 175	DNT	LTE+ 10.7	510-MIZ30	13R
36	110	00224	510UL	0.5 70	NQI	12S+ 0.6	510-MIZ30	13R
		00362	520HF	0.7 0	WAR 16	12S+ 0.6	SPEC-INT	13R
36	111	00218	510UL	3.6 173	DNT	LTE+ 11.2	510-MIZ30	13R
37	1	00142	510UL	8.0 176	DNT	LTE+ 10.7	510-MIZ30	13R
37	19	00142	510UL	0.3 90	INR	13S- 0.8	510-MIZ30	13R
37	**27**	00285	540HF	0.2 3	INR	04S+ 6.3	540-MIZ30	13R
		00285	540HF	0.3 7	BVC	07S+ 30.6	540-MIZ30	13R
		00309	520HF	Cr 0.10	Ax 0.11	07S+ 30.6	SPEC-INT	13R
		00309	520HF	0.1 11	VOL	07S+ 30.6	SPEC-INT	13R
		00285	540HF	0.2 12	INR	08S+ 10.3	540-MIZ30	13R
		00285	540HF	0.3 356	INR	11S+ 27.8	540-MIZ30	13R
		00338	520HF	0.0 0	NDF	13S+ 20.9	SPEC-INT	13R
		00285	540HF	0.3 9	BVC	13S+ 21.0	540-MIZ30	13R
		00285	540HF	0.4 1	INR	13S+ 29.7	540-MIZ30	13R
		00285	540HF	0.3 4	INR	14S+ 0.3	540-MIZ30	13R
		00285	540HF	0.3 1	INR	15S+ 1.6	540-MIZ30	13R
		00285	540HF	0.4 7	INR	15S+ 28.1	540-MIZ30	13R
37	40	00148	510UL	0.8 70	ADI	02S+ 21.0	510-MIZ30	13R
		00309	520HF	0.0 0	NDF	02S+ 21.0	SPEC-INT	13R
		00148	510UL	0.6 68	ADI	06S+ 12.9	510-MIZ30	13R
		00309	520HF	0.0 0	NDF	06S+ 12.9	SPEC-INT	13R
		00148	510UL	3.3 79	ADI	06S+ 22.9	510-MIZ30	13R
		00309	520HF	0.0 0	NDF	06S+ 22.9	SPEC-INT	13R
37	87	00188	510UL	0.6 91	INR	01S+ 6.8	510-MIZ30	13R
37	100	00224	510UL	0.2 62	NQI	LTE+ 12.6	510-MIZ30	13R
		00362	520HF	0.0 0	NDF	LTE+ 12.6	SPEC-INT	13R
37	107	00218	510UL	0.3 93	NQI	11S- 0.6	510-MIZ30	13R
		00362	520HF	0.3 0	WAR 6	11S- 0.5	SPEC-INT	13R
37	**109**	00318	510UL	4.4 177	DNT	LTE+ 10.5	510-MIZ30	13R
		00318	510UL	0.2 94	NQI	10S+ 25.9	510-MIZ30	13R
		00362	520HF	0.0 0	NDF	10S+ 25.9	SPEC-INT	13R
		00277	540HF	0.2 83	NQI	10S+ 25.9	540-MIZ30	13R
		00318	510UL	0.2 4	INR	15S+ 35.2	510-MIZ30	13R
		00277	540HF	0.3 6	BVC	15S+ 35.2	540-MIZ30	13R
		00318	510UL	0.2 357	INR	15S+ 38.0	510-MIZ30	13R
		00277	540HF	0.4 6	ID 20	15S+ 39.1	540-MIZ30	13R
		00318	510UL	0.4 11	ID 37	15S+ 39.4	510-MIZ30	13R
		00286	520HF	Cr 0.12	Ax 0.15	UTS -11.9	KET03	13R
		00286	520HF	0.3 16	VOL	UTS -11.9	SPEC-INT	13R
		00286	520HF	Cr 0.25	Ax 0.20	UTS -9.3	KET03	13R
		00286	520HF	0.3 17	VOL	UTS -9.3	KET03	13R
		00286	520HF	0.8 16	VOL	UTS -7.7	SPEC-INT	13R
		00286	520HF	Cr 0.18	Ax 0.15	UTS -7.7	SPEC-INT	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00237	520HF	Cr 0.15	Ax 0.11	ETL- 0.7	KET03	13R
		00237	520HF	0.2 22	VOL	ETL- 0.7	KET03	13R
		00286	520HF	Cr 0.12	Ax 0.10	ETL- 0.6	SPEC-INT	13R
		00286	520HF	0.4 9	VOL	ETL- 0.6	SPEC-INT	13R
		00237	520HF	0.2 19	VOL	ETL- 0.6	KET03	13R
		00237	520HF	Cr 0.21	Ax 0.16	ETL- 0.6	KET03	13R
		00237	520HF	Cr 0.31	Ax 0.16	ETL- 0.1	KET03	13R
		00237	520HF	0.5 31	VOL	ETL- 0.1	KET03	13R
37	**110**	00277	540HF	4.3 170	DNT	LTE+ 11.0	540-MIZ30	13R
		00362	520HF	0.2 35	VOL	UTS -18.7	SPEC-INT	13R
		00362	520HF	Cr 0.16	Ax 0.11	UTS -18.7	SPEC-INT	13R
		00277	540HF	0.4 5	ID 17	15S+ 32.7	540-MIZ30	13R
		00277	540HF	0.3 5	BVC	15S+ 35.3	540-MIZ30	13R
		00362	520HF	Cr 0.16	Ax 0.17	UTS -13.9	SPEC-INT	13R
		00362	520HF	0.3 22	VOL	UTS -13.9	SPEC-INT	13R
		00362	520HF	Cr 0.10	Ax 0.11	UTS -12.2	SPEC-INT	13R
		00362	520HF	0.1 39	VOL	UTS -12.2	SPEC-INT	13R
		00362	520HF	Cr 0.10	Ax 0.11	UTS -11.7	SPEC-INT	13R
		00362	520HF	0.1 25	VOL	UTS -11.7	SPEC-INT	13R
		00362	520HF	Cr 0.16	Ax 0.11	UTS -11.3	SPEC-INT	13R
		00362	520HF	0.1 14	VOL	UTS -11.3	SPEC-INT	13R
		00362	520HF	0.3 23	VOL	UTS -4.7	SPEC-INT	13R
		00362	520HF	Cr 0.10	Ax 0.11	UTS -4.7	SPEC-INT	13R
		00362	520HF	0.5 24	VOL	UTS+ 2.6	SPEC-INT	13R
		00362	520HF	Cr 0.16	Ax 0.11	UTS+ 2.6	SPEC-INT	13R
38	6	00108	510UL	0.4 71	NQI	09S+ 0.4	510-MIZ30	13R
		00380	520HF	0.2 0	WAR 8	09S+ 0.4	SPEC-INT	13R
38	10	00108	510UL	2.8 185	DNT	LTS+ 9.4	510-MIZ30	13R
38	26	00094	510UL	0.7 83	INR	03S+ 18.8	510-MIZ30	13R
		00094	510UL	0.9 91	INR	12S+ 31.2	510-MIZ30	13R
38	32	00114	510UL	1.1 103	INR	LTS+ 19.2	510-MIZ30	13R
38	34	00114	510UL	0.3 73	NQI	10S+ 0.7	510-MIZ30	13R
		00380	520HF	0.2 0	WAR 8	10S+ 0.7	SPEC-INT	13R
38	*74*	*00362*	*520HF*	*Cr 0.15*	*Ax 0.12*	*LTS+ 2.0*	*SPEC-INT*	*13R*
		00362	*520HF*	*0.5 57*	*SVI*	*LTS+ 2.0*	*SPEC-INT*	*13R*
		00384	*520HF*	*0.4 62*	*PID*	*LTS+ 2.0*	*SPEC-INT*	*13R*
		00190	*510UL*	*0.5 81*	*NQI*	*LTS+ 2.0*	*510-MIZ30*	*13R*
38	83	00188	510UL	0.6 101	INR	13S+ 11.8	510-MIZ30	13R
38	**88**	00197	520HF	0.5 13	VOL	ETL -1.0	KET03	13R
		00197	520HF	Cr 0.15	Ax 0.23	ETL -1.0	KET03	13R
38	**101**	00163	520HF	0.2 17	VOL	ETL -1.9	KET12	13R
		00163	520HF	Cr 0.15	Ax 0.11	ETL -1.9	KET12	13R
38	105	00362	520HF	0.3 0	WAR 7	09S+ 0.2	SPEC-INT	13R
		00226	510UL	0.3 90	NQI	09S+ 0.2	510-MIZ30	13R
38	**109**	00277	540HF	0.2 1	INR	UTS+ 5.6	540-MIZ30	13R
		00197	520HF	Cr 0.21	Ax 0.12	ETL -2.3	KET06	13R
		00197	520HF	0.4 10	VOL	ETL -2.3	KET06	13R
39	14	00114	510UL	0.2 80	NQI	UTS+ 0.7	510-MIZ30	13R
		00309	520HF	0.0 0	NDF	UTS+ 0.7	SPEC-INT	13R
39	24	00114	510UL	0.5 101	NQI	LTE+ 6.2	510-MIZ30	13R

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		00380	520HF	0.0 0	NDF	LTE+ 6.2	SPEC-INT	13R
39	25	00116	510UL	1.9 0	INR	12S+ 31.2	510-MIZ30	13R
39	30	00116	510UL	0.8 79	INR	12S+ 26.7	510-MIZ30	13R
		00116	510UL	0.6 79	INR	13S+ 5.5	510-MIZ30	13R
39	46	00116	510UL	1.2 79	INR	08S+ 5.7	510-MIZ30	13R
39	50	00116	510UL	2.6 182	DNT	13S+ 21.0	510-MIZ30	13R
39	**110**	00277	540HF	3.3 173	DNT	LTE+ 10.9	540-MIZ30	13R
		00277	540HF	0.4 8	ID 27	15S+ 39.7	540-MIZ30	13R
		00286	520HF	Cr 0.12	Ax 0.10	UTS -7.0	SPEC-INT	13R
		00286	520HF	0.8 18	VOL	UTS -7.0	SPEC-INT	13R
		00286	520HF	0.2 9	VOL	UTS -4.9	SPEC-INT	13R
		00286	520HF	Cr 0.12	Ax 0.10	UTS -4.9	SPEC-INT	13R
		00286	520HF	0.3 32	VOL	UTS -4.4	SPEC-INT	13R
		00286	520HF	Cr 0.12	Ax 0.10	UTS -4.4	SPEC-INT	13R
		00286	520HF	Cr 0.12	Ax 0.10	UTS -3.3	SPEC-INT	13R
		00286	520HF	0.2 12	VOL	UTS -3.3	SPEC-INT	13R
		00286	520HF	Cr 0.18	Ax 0.15	UTS+ 0.0	SPEC-INT	13R
		00286	520HF	0.3 15	VOL	UTS+ 0.0	SPEC-INT	13R
39	113	00226	510UL	5.5 176	DNT	LTE+ 10.8	510-MIZ30	13R
		00226	510UL	0.2 100	NQI	14S+ 30.9	510-MIZ30	13R
		00362	520HF	0.0 0	NDF	15S -4.1	SPEC-INT	13R
		00226	510UL	0.3 55	NQI	15S+ 1.0	510-MIZ30	13R
		00362	520HF	0.0 0	NDF	15S+ 1.0	SPEC-INT	13R
39	114	00228	510UL	4.6 173	DNT	LTE+ 11.1	510-MIZ30	13R
		00228	510UL	0.2 81	INR	08S- 0.8	510-MIZ30	13R
		00228	510UL	0.7 92	INR	14S+ 30.4	510-MIZ30	13R
40	7	00116	510UL	0.3 182	INR	09S- 0.7	510-MIZ30	13R
40	15	00114	510UL	0.6 93	NQI	LTE+ 10.1	510-MIZ30	13R
		00309	520HF	0.0 0	NDF	LTE+ 10.1	SPEC-INT	13R
40	44	00116	510UL	0.2 78	NQI	LTS+ 23.8	510-MIZ30	13R
		00380	520HF	0.0 0	NDF	LTS+ 23.8	SPEC-INT	13R
40	**49**	00309	520HF	Cr 0.20	Ax 0.16	ETL- 0.6	SPEC-INT	13R
		00309	520HF	1.1 26	VOL	ETL- 0.6	SPEC-INT	13R
40	50	00116	510UL	3.0 185	DNT	03S+ 16.9	510-MIZ30	13R
40	106	00226	510UL	0.4 85	NQI	LTE+ 20.2	510-MIZ30	13R
		00362	520HF	0.0 0	NDF	LTS -3.8	SPEC-INT	13R
40	108	00226	510UL	0.3 241	INR	13S- 0.8	510-MIZ30	13R
41	**14**	00087	520HF	Cr 0.19	Ax 0.18	ETL- 0.4	KET12	13R
		00087	520HF	0.8 21	VOL	ETL- 0.4	KET12	13R
41	15	00114	510UL	0.3 99	NQI	LTE+ 10.7	510-MIZ30	13R
		00309	520HF	0.0 0	NDF	LTE+ 10.7	SPEC-INT	13R
		00114	510UL	0.2 83	NQI	LTE+ 14.9	510-MIZ30	13R
		00309	520HF	0.0 0	NDF	LTE+ 14.9	SPEC-INT	13R
41	16	00338	520HF	0.0 0	NDF	14S+ 3.0	SPEC-INT	13R
		00285	540HF	0.2 97	NQI	14S+ 3.0	540-MIZ30	13R
41	**17**	00089	520HF	0.2 1	VOL	ETL -2.1	KET12	13R
		00089	520HF	Cr 0.15	Ax 0.05	ETL -2.1	KET12	13R
		00089	520HF	Cr 0.15	Ax 0.11	ETL- 0.2	KET12	13R
		00089	520HF	0.5 17	VOL	ETL- 0.2	KET12	13R
41	18	00114	510UL	0.2 102	NQI	LTE+ 6.3	510-MIZ30	13R

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		00309	520HF	0.0 0	NDF	LTE+ 6.3	SPEC-INT	13R
41	**23**	00089	520HF	0.6 34	VOL	ETL- 0.2	KET12	13R
		00089	520HF	Cr 0.15	Ax 0.11	ETL- 0.2	KET12	13R
41	**24**	00087	520HF	Cr 0.10	Ax 0.12	ETL -2.8	KET12	13R
		00087	520HF	0.2 28	VOL	ETL -2.8	KET12	13R
41	50	00116	510UL	3.0 184	DNT	01S+ 23.3	510-MIZ30	13R
41	**60**	00075	520HF	Cr 0.15	Ax 0.21	ETL- 0.7	KET12	13R
		00075	520HF	0.1 20	VOL	ETL- 0.7	KET12	13R
41	67	00188	510UL	3.9 186	DNT	LTE+ 9.6	510-MIZ30	13R
		00188	510UL	2.6 188	DNT	03S+ 17.1	510-MIZ30	13R
		00188	510UL	2.9 187	DNT	06S+ 2.7	510-MIZ30	13R
41	73	00188	510UL	1.9 12	INR	10S+ 22.3	510-MIZ30	13R
		00188	510UL	1.7 11	INR	10S+ 29.5	510-MIZ30	13R
41	**81**	00195	520HF	0.2 10	VOL	ETL -2.8	KET12	13R
		00195	520HF	Cr 0.16	Ax 0.18	ETL -2.8	KET12	13R
41	**94**	00277	540HF	0.4 5	ID 17	15S+ 16.0	540-MIZ30	13R
		00384	520HF	Cr 0.16	Ax 0.17	15S+ 16.8	SPEC-INT	13R
		00384	520HF	0.3 21	VOL	15S+ 16.8	SPEC-INT	13R
41	105	00226	510UL	6.2 1	IDC	LTS+ 11.0	510-MIZ30	13R
		00362	520HF	0.0 0	NDF	LTS+ 11.0	SPEC-INT	13R
41	106	00228	510UL	0.3 92	NQI	08S- 0.8	510-MIZ30	13R
		00362	520HF	0.6 0	WAR 13	08S- 0.7	SPEC-INT	13R
41	**109**	00197	520HF	0.2 16	VOL	ETL -3.1	KET12	13R
		00197	520HF	Cr 0.21	Ax 0.14	ETL -3.1	KET12	13R
42	4	00116	510UL	1.2 64	INR	12S+ 28.8	510-MIZ30	13R
42	18	00116	510UL	0.5 87	NQI	LTE+ 7.4	510-MIZ30	13R
		00315	520HF	0.0 0	NDF	LTE+ 7.4	SPEC-INT	13R
42	21	00114	510UL	0.5 126	INR	12S+ 30.9	510-MIZ30	13R
42	22	00116	510UL	0.4 100	INR	12S+ 8.1	510-MIZ30	13R
42	52	00114	510UL	0.5 116	NQI	01S+ 34.5	510-MIZ30	13R
		00315	520HF	0.0 0	NDF	01S+ 34.5	SPEC-INT	13R
		00114	510UL	1.0 85	NQI	02S+ 35.6	510-MIZ30	13R
		00315	520HF	0.0 0	NDF	02S+ 35.6	SPEC-INT	13R
42	53	00285	540HF	0.6 4	INR	15S+ 42.9	540-MIZ30	13R
42	**73**	00281	540HF	0.4 9	ID 30	15S+ 41.2	540-MIZ30	13R
		00384	520HF	Cr 0.16	Ax 0.11	UTS -5.6	SPEC-INT	13R
		00384	520HF	0.5 24	VOL	UTS -5.6	SPEC-INT	13R
		00384	520HF	Cr 0.11	Ax 0.06	UTS- 0.5	SPEC-INT	13R
		00384	520HF	0.2 19	VOL	UTS- 0.5	SPEC-INT	13R
42	76	00188	510UL	6.0 184	IDC	LTS+ 0.0	510-MIZ30	13R
		00362	520HF	0.0 0	NDF	LTS+ 0.0	SPEC-INT	13R
42	104	00228	510UL	0.4 70	INR	LTE+ 11.0	510-MIZ30	13R
42	**108**	00360	540HF	0.3 16	BVC	15S+ 19.2	540-MIZ30	13R
		00228	510UL	0.3 26	BVC	15S+ 19.3	510-MIZ30	13R
		00362	520HF	Cr 0.21	Ax 0.17	15S+ 19.7	SPEC-INT	13R
		00362	520HF	1.7 30	VOL	15S+ 19.7	SPEC-INT	13R
		00362	520HF	0.2 8	VOL	15S+ 23.0	SPEC-INT	13R
		00362	520HF	Cr 0.16	Ax 0.11	15S+ 23.0	SPEC-INT	13R
42	**114**	00277	540HF	5.1 173	DNT	LTE+ 11.1	540-MIZ30	13R
		00362	520HF	0.5 0	WAR 11	13S- 0.8	SPEC-INT	13R

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		00362	520HF	0.2 0	WAR 5	13S+ 0.6	SPEC-INT	13R
		00277	540HF	0.3 100	NQI	13S+ 0.7	540-MIZ30	13R
		00362	520HF	0.6 0	WAR 14	15S+ 0.6	SPEC-INT	13R
		00362	520HF	0.2 18	VOL	15S+ 13.5	SPEC-INT	13R
		00362	520HF	Cr 0.16	Ax 0.11	15S+ 13.5	SPEC-INT	13R
		00286	520HF	0.4 13	VOL	UTS -18.7	SPEC-INT	13R
		00286	520HF	Cr 0.18	Ax 0.15	UTS -18.6	SPEC-INT	13R
		00277	540HF	0.4 6	ID 20	15S+ 34.6	540-MIZ30	13R
		00286	520HF	Cr 0.18	Ax 0.15	UTS -14.9	SPEC-INT	13R
		00286	520HF	0.3 18	VOL	UTS -14.9	SPEC-INT	13R
		00286	520HF	0.4 16	VOL	UTS -12.3	SPEC-INT	13R
		00286	520HF	Cr 0.18	Ax 0.10	UTS -12.3	SPEC-INT	13R
		00277	540HF	0.3 4	INR	15S+ 43.5	540-MIZ30	13R
		00286	520HF	Cr 0.12	Ax 0.10	UTS -3.0	SPEC-INT	13R
		00286	520HF	0.3 10	VOL	UTS -3.0	SPEC-INT	13R
43	5	00114	510UL	0.5 58	INR	03S+ 20.0	510-MIZ30	13R
43	6	00116	510UL	0.2 105	NQI	07S+ 18.3	510-MIZ30	13R
		00315	520HF	0.0 0	NDF	07S+ 18.3	SPEC-INT	13R
		00315	520HF	0.0 0	NDF	13S+ 33.0	SPEC-INT	13R
		00116	510UL	0.2 85	NQI	13S+ 33.1	510-MIZ30	13R
43	**7**	00101	520HF	0.2 12	VOL	ETL -1.7	KET03	13R
		00101	520HF	Cr 0.15	Ax 0.10	ETL -1.7	KET03	13R
43	9	00114	510UL	0.6 99	INR	12S+ 18.4	510-MIZ30	13R
43	27	00114	510UL	1.4 83	ADI	12S+ 35.1	510-MIZ30	13R
		00315	520HF	0.0 0	NDF	12S+ 35.1	SPEC-INT	13R
43	**29**	00089	520HF	Cr 0.20	Ax 0.11	ETL -1.5	KET12	13R
		00089	520HF	0.5 23	VOL	ETL -1.5	KET12	13R
43	31	00116	510UL	0.7 183	INR	LTS+ 20.8	510-MIZ30	13R
43	36	00114	510UL	3.4 168	DNT	LTE+ 2.6	510-MIZ30	13R
43	73	00190	510UL	0.4 25	INR	13S+ 11.3	510-MIZ30	13R
		00190	510UL	0.7 22	INR	13S+ 21.1	510-MIZ30	13R
43	**76**	00199	520HF	0.2 26	VOL	ETL -2.2	KET12	13R
		00199	520HF	Cr 0.24	Ax 0.13	ETL -2.2	KET12	13R
43	82	00277	540HF	0.4 1	INR	07S+ 37.7	540-MIZ30	13R
43	98	00362	520HF	0.4 0	WAR 9	03S+ 0.7	SPEC-INT	13R
		00226	510UL	0.2 63	NQI	03S+ 0.7	510-MIZ30	13R
43	**107**	00228	510UL	0.3 9	BVC	15S+ 37.0	510-MIZ30	13R
		00360	540HF	0.5 1	INR	15S+ 37.0	540-MIZ30	13R
		00362	520HF	0.4 17	VOL	UTS -9.3	SPEC-INT	13R
		00362	520HF	Cr 0.10	Ax 0.11	UTS -9.3	SPEC-INT	13R
		00362	520HF	0.1 14	VOL	UTS -3.8	SPEC-INT	13R
		00362	520HF	Cr 0.10	Ax 0.11	UTS -3.8	SPEC-INT	13R
43	**111**	00228	510UL	0.5 117	INR	10S+ 7.1	510-MIZ30	13R
		00360	540HF	0.4 83	ADI	10S+ 7.3	540-MIZ30	13R
		00384	520HF	0.0 0	NDF	10S+ 7.3	SPEC-INT	13R
		00228	510UL	0.3 8	BVC	15S+ 43.5	510-MIZ30	13R
		00360	540HF	0.3 10	BVC	15S+ 44.2	540-MIZ30	13R
		00362	520HF	0.1 4	VOL	UTS -6.7	SPEC-INT	13R
		00362	520HF	Cr 0.16	Ax 0.11	UTS -6.7	SPEC-INT	13R
		00362	520HF	0.2 12	VOL	UTS -5.2	SPEC-INT	13R

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		00362	520HF	Cr 0.16	Ax 0.17	UTS -5.2	SPEC-INT	13R
		00362	520HF	0.4 29	VOL	UTS -2.5	SPEC-INT	13R
		00362	520HF	Cr 0.16	Ax 0.17	UTS -2.5	SPEC-INT	13R
43	113	00228	510UL	2.7 174	DNT	LTE+ 11.0	510-MIZ30	13R
43	116	00226	510UL	4.8 176	DNT	LTE+ 10.4	510-MIZ30	13R
44	3	00116	510UL	0.4 80	NQI	LTE+ 8.4	510-MIZ30	13R
		00298	520HF	0.0 0	NDF	LTE+ 8.4	SPEC-INT	13R
44	14	00114	510UL	1.1 35	INR	12S+ 28.2	510-MIZ30	13R
44	**19**	00315	520HF	Cr 0.15	Ax 0.16	ETL -1.6	SPEC-INT	13R
		00315	520HF	0.3 34	VOL	ETL -1.6	SPEC-INT	13R
		00315	520HF	0.3 26	VOL	ETL- 0.9	SPEC-INT	13R
		00315	520HF	Cr 0.15	Ax 0.22	ETL- 0.9	SPEC-INT	13R
44	28	00114	510UL	0.5 76	INR	12S+ 33.4	510-MIZ30	13R
44	32	00114	510UL	1.1 81	ADI	03S+ 15.7	510-MIZ30	13R
		00380	520HF	0.0 0	NDF	03S+ 15.7	SPEC-INT	13R
		00114	510UL	1.4 50	INR	12S+ 31.8	510-MIZ30	13R
44	91	00188	510UL	0.3 74	NQI	LTE+ 4.7	510-MIZ30	13R
		00400	520HF	0.0 0	NDF	LTE+ 4.7	SPEC-INT	13R
44	106	00362	520HF	0.3 0	WAR 8	04S+ 0.7	SPEC-INT	13R
		00228	510UL	0.3 82	NQI	04S+ 0.7	510-MIZ30	13R
44	112	00228	510UL	0.3 123	INR	10S+ 7.9	510-MIZ30	13R
44	114	00228	510UL	2.7 174	DNT	LTE+ 11.0	510-MIZ30	13R
44	119	00228	510UL	3.0 174	DNT	LTE+ 11.1	510-MIZ30	13R
45	2	00108	510UL	0.4 88	NQI	10S- 0.8	510-MIZ30	13R
		00298	520HF	0.0 0	NDF	10S- 0.8	SPEC-INT	13R
45	**25**	00089	520HF	Cr 0.15	Ax 0.16	ETL -3.0	KET12	13R
		00089	520HF	0.2 3	VOL	ETL -3.0	KET12	13R
		00089	520HF	Cr 0.15	Ax 0.11	ETL- 0.5	KET12	13R
		00089	520HF	0.2 30	VOL	ETL- 0.5	KET12	13R
45	28	00108	510UL	4.7 182	DNT	12S+ 28.8	510-MIZ30	13R
		00315	520HF	0.0 0	NDF	12S+ 29.5	SPEC-INT	13R
45	**33**	00089	520HF	Cr 0.25	Ax 0.22	ETL- 0.4	KET03	13R
		00089	520HF	0.3 28	VOL	ETL- 0.4	KET03	13R
45	**81**	00199	520HF	Cr 0.11	Ax 0.16	ETL -1.0	KET12	13R
		00199	520HF	0.3 25	VOL	ETL -1.0	KET12	13R
45	**112**	00237	520HF	Cr 0.15	Ax 0.11	ETL -2.4	KET06	13R
		00237	520HF	0.2 26	VOL	ETL -2.4	KET06	13R
45	**113**	00277	540HF	0.2 123	INR	10S+ 7.0	540-MIZ30	13R
		00277	540HF	0.4 5	ID 17	15S+ 36.4	540-MIZ30	13R
		00286	520HF	Cr 0.18	Ax 0.15	UTS -12.7	SPEC-INT	13R
		00286	520HF	0.3 13	VOL	UTS -12.7	SPEC-INT	13R
		00286	520HF	0.4 15	VOL	UTS -10.6	SPEC-INT	13R
		00286	520HF	Cr 0.18	Ax 0.20	UTS -10.6	SPEC-INT	13R
45	117	00226	510UL	4.5 176	DNT	LTE+ 10.4	510-MIZ30	13R
46	19	00108	510UL	0.6 100	NQI	LTE+ 7.6	510-MIZ30	13R
		00298	520HF	0.0 0	NDF	LTE+ 7.6	SPEC-INT	13R
		00108	510UL	0.2 113	NQI	LTS+ 15.7	510-MIZ30	13R
		00298	520HF	0.0 0	NDF	LTS+ 15.7	SPEC-INT	13R
46	20	00108	510UL	0.4 91	NQI	LTE+ 7.5	510-MIZ30	13R
		00298	520HF	0.0 0	NDF	LTE+ 7.5	SPEC-INT	13R

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		00108	510UL	0.5 81	NQI	LTE+ 7.8	510-MIZ30	13R
		00298	520HF	0.0 0	NDF	LTE+ 7.8	SPEC-INT	13R
46	52	00116	510UL	4.2 185	DNT	06S+ 8.9	510-MIZ30	13R
		00298	520HF	0.0 0	NDF	06S+ 8.9	SPEC-INT	13R
46	71	00188	510UL	0.3 80	NQI	UTS+ 1.8	510-MIZ30	13R
		00400	520HF	0.0 0	NDF	UTS+ 1.8	SPEC-INT	13R
46	**88**	00277	540HF	0.5 6	ID 20	15S+ 30.2	540-MIZ30	13R
		00384	520HF	0.4 17	VOL	15S+ 30.2	SPEC-INT	13R
		00384	520HF	Cr 0.22	Ax 0.16	15S+ 30.2	SPEC-INT	13R
46	114	00228	510UL	3.5 175	DNT	LTE+ 11.0	510-MIZ30	13R
46	***117***	*00228*	*510UL*	*2.9 176*	*DNT*	*LTE+ 11.1*	*510-MIZ30*	*13R*
		00228	*510UL*	*0.2 70*	*INR*	*09S- 0.5*	*510-MIZ30*	*13R*
		00286	*520HF*	*1.1 35*	*NT 79*	*ETL- 0.7*	*SPEC-INT*	*13R*
		00286	*520HF*	*0.9 22*	*SVI*	*ETL- 0.7*	*SPEC-INT*	*13R*
		00286	*520HF*	*Cr 0.18*	*Ax 0.31*	*ETL- 0.7*	*SPEC-INT*	*13R*
		00396	*520HF*	*1.0 32*	*PID*	*ETL- 0.7*	*SPEC-INT*	*13R*
		00286	*520HF*	*Cr 0.18*	*Ax 0.10*	*ETL- 0.4*	*SPEC-INT*	*13R*
		00286	*520HF*	*0.9 24*	*VOL*	*ETL- 0.4*	*SPEC-INT*	*13R*
47	4	00100	510UL	0.2 44	INR	10S- 0.9	510-MIZ30	13R
47	**13**	00089	520HF	0.1 19	VOL	ETL -1.3	KET03	13R
		00089	520HF	Cr 0.20	Ax 0.16	ETL -1.3	KET03	13R
47	**15**	00089	520HF	0.3 25	VOL	ETL- 0.4	KET12	13R
		00089	520HF	Cr 0.20	Ax 0.11	ETL- 0.4	KET12	13R
47	18	00100	510UL	0.4 168	INR	12S+ 18.0	510-MIZ30	13R
47	**19**	00089	520HF	0.2 1	VOL	ETL- 0.6	KET12	13R
		00089	520HF	Cr 0.20	Ax 0.11	ETL- 0.6	KET12	13R
47	**39**	00089	520HF	0.3 19	VOL	ETL- 0.8	KET06	13R
		00089	520HF	Cr 0.20	Ax 0.16	ETL- 0.8	KET06	13R
47	63	00277	540HF	0.9 4	INR	03S+ 27.5	540-MIZ30	13R
47	81	00196	510UL	7.4 182	DNT	15S+ 2.6	510-MIZ30	13R
		00362	520HF	0.0 0	NDF	15S+ 2.6	SPEC-INT	13R
47	**84**	00384	520HF	0.4 18	VOL	15S+ 39.7	SPEC-INT	13R
		00384	520HF	Cr 0.16	Ax 0.11	15S+ 39.7	SPEC-INT	13R
		00277	540HF	0.4 9	ID 30	15S+ 39.8	540-MIZ30	13R
		00288	520HF	3.6 20	VOL	ETL -7.2	KET12	13R
		00288	520HF	Cr 0.12	Ax 0.10	ETL -7.2	KET12	13R
47	**101**	00201	520HF	Cr 0.10	Ax 0.10	ETL -1.3	KET12	13R
		00201	520HF	0.3 14	VOL	ETL -1.3	KET12	13R
47	109	00226	510UL	0.2 60	INR	03S+ 0.7	510-MIZ30	13R
47	117	00226	510UL	3.2 176	DNT	LTE+ 10.8	510-MIZ30	13R
47	121	00228	510UL	3.2 173	DNT	LTE+ 11.0	510-MIZ30	13R
		00228	510UL	0.2 195	INR	13S+ 0.6	510-MIZ30	13R
48	34	00122	510UL	1.5 73	INR	12S+ 32.6	510-MIZ30	13R
48	56	00114	510UL	0.5 143	NQI	14S+ 20.0	510-MIZ30	13R
		00298	520HF	0.0 0	NDF	14S+ 20.0	SPEC-INT	13R
48	84	00198	510UL	2.6 24	INR	04S+ 21.2	510-MIZ30	13R
48	85	00196	510UL	0.5 77	NQI	LTS+ 2.8	510-MIZ30	13R
		00362	520HF	0.0 0	NDF	LTS+ 2.8	SPEC-INT	13R
48	**118**	00286	520HF	0.3 14	VOL	15S -12.3	SPEC-INT	13R
		00286	520HF	Cr 0.12	Ax 0.16	15S -12.3	SPEC-INT	13R

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		00362	520HF	0.0 0	PRA	15S -12.3	SPEC-INT	13R
		00286	520HF	Cr 0.18	Ax 0.10	15S -5.6	SPEC-INT	13R
		00286	520HF	0.3 10	VOL	15S -5.6	SPEC-INT	13R
		00277	540HF	0.3 6	BVC	14S+ 29.6	540-MIZ30	13R
		00286	520HF	Cr 0.12	Ax 0.10	15S -4.8	SPEC-INT	13R
		00286	520HF	0.3 16	VOL	15S -4.8	SPEC-INT	13R
		00277	540HF	0.3 8	BVC	14S+ 30.4	540-MIZ30	13R
		00286	520HF	0.2 9	VOL	15S -1.0	SPEC-INT	13R
		00286	520HF	Cr 0.12	Ax 0.10	15S -1.0	SPEC-INT	13R
48	119	00226	510UL	4.3 175	DNT	LTE+ 10.5	510-MIZ30	13R
48	***120***	*00277*	*540HF*	*3.3 171*	*DNT*	*LTE+ 10.7*	*540-MIZ30*	*13R*
		00277	*540HF*	*0.3 9*	*BVC*	*15S+ 44.0*	*540-MIZ30*	*13R*
		00286	*520HF*	*0.3 12*	*VOL*	*UTS -2.6*	*SPEC-INT*	*13R*
		00286	*520HF*	*Cr 0.18*	*Ax 0.15*	*UTS -2.6*	*KET03*	*13R*
		00286	*520HF*	*0.3 23*	*VOL*	*UTS+ 0.6*	*KET03*	*13R*
		00286	*520HF*	*Cr 0.18*	*Ax 0.15*	*UTS+ 0.6*	*KET03*	*13R*
		00286	*520HF*	*0.4 5*	*VOL*	*UTS+ 3.9*	*SPEC-INT*	*13R*
		00286	*520HF*	*Cr 0.18*	*Ax 0.15*	*UTS+ 3.9*	*SPEC-INT*	*13R*
		00398	*520HF*	*0.6 8*	*PID*	*UTS+ 3.9*	*SPEC-INT*	*13R*
		00277	*540HF*	*0.5 8*	*ID 27*	*UTS+ 3.9*	*540-MIZ30*	*13R*
		00286	*520HF*	*0.0 0*	*PRA*	*ETL -1.6*	*KET03*	*13R*
		00237	*520HF*	*0.2 22*	*VOL*	*ETL -1.6*	*KET03*	*13R*
		00237	*520HF*	*Cr 0.15*	*Ax 0.11*	*ETL -1.6*	*KET03*	*13R*
		00286	*520HF*	*0.0 0*	*PRA*	*ETL -1.3*	*SPEC-INT*	*13R*
		00237	*520HF*	*0.2 15*	*VOL*	*ETL -1.3*	*KET03*	*13R*
		00237	*520HF*	*Cr 0.15*	*Ax 0.16*	*ETL -1.3*	*KET03*	*13R*
		00286	*520HF*	*0.0 0*	*PRA*	*ETL -1.1*	*SPEC-INT*	*13R*
		00237	*520HF*	*Cr 0.15*	*Ax 0.11*	*ETL -1.1*	*KET03*	*13R*
		00237	*520HF*	*0.2 1*	*VOL*	*ETL -1.1*	*KET03*	*13R*
		00286	*520HF*	*0.0 0*	*PRA*	*ETL- 0.6*	*SPEC-INT*	*13R*
		00237	*520HF*	*Cr 0.15*	*Ax 0.16*	*ETL- 0.6*	*KET03*	*13R*
		00237	*520HF*	*0.4 22*	*VOL*	*ETL- 0.6*	*KET03*	*13R*
		00286	*520HF*	*0.0 0*	*PRA*	*ETL- 0.4*	*SPEC-INT*	*13R*
		00237	*520HF*	*Cr 0.15*	*Ax 0.11*	*ETL- 0.4*	*KET03*	*13R*
		00237	*520HF*	*0.3 29*	*VOL*	*ETL- 0.4*	*KET03*	*13R*
48	121	00228	510UL	2.8 173	DNT	LTE+ 10.1	510-MIZ30	13R
		00228	510UL	0.2 70	NQI	12S+ 0.3	510-MIZ30	13R
		00362	520HF	0.3 0	WAR 7	12S+ 0.7	SPEC-INT	13R
49	**23**	00285	540HF	0.4 7	BVC	15S+ 42.7	540-MIZ30	13R
		00338	520HF	0.1 38	VOL	15S+ 42.7	SPEC-INT	13R
		00338	520HF	Cr 0.19	Ax 0.15	15S+ 42.7	SPEC-INT	13R
49	**73**	00288	520HF	Cr 0.12	Ax 0.10	UTS+ 3.6	SPEC-INT	13R
		00288	520HF	3.8 17	VOL	UTS+ 3.6	SPEC-INT	13R
		00277	540HF	0.8 9	ID 30	UTS+ 5.0	540-MIZ30	13R
		00288	520HF	Cr 0.18	Ax 0.15	UTS+ 5.5	SPEC-INT	13R
		00288	520HF	1.5 30	VOL	UTS+ 5.5	SPEC-INT	13R
		00288	520HF	Cr 0.12	Ax 0.10	UTS+ 6.2	SPEC-INT	13R
		00288	520HF	4.9 17	VOL	UTS+ 6.2	SPEC-INT	13R
49	**82**	00277	540HF	0.3 6	BVC	15S+ 39.8	540-MIZ30	13R
		00277	540HF	0.2 6	BVC	15S+ 41.4	540-MIZ30	13R

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		00277	540HF	0.2 13	BVC	15S+ 42.7	540-MIZ30	13R
		00288	520HF	3.0 10	VOL	UTS -7.1	SPEC-INT	13R
		00288	520HF	Cr 0.06	Ax 0.10	UTS -7.1	SPEC-INT	13R
		00362	520HF	0.0 0	PRA	UTS -7.1	SPEC-INT	13R
		00288	520HF	2.5 8	VOL	UTS -5.4	SPEC-INT	13R
		00288	520HF	Cr 0.12	Ax 0.15	UTS -5.4	SPEC-INT	13R
		00288	520HF	Cr 0.12	Ax 0.10	UTS -4.1	SPEC-INT	13R
		00288	520HF	1.9 4	VOL	UTS -4.1	SPEC-INT	13R
		00288	520HF	5.0 16	VOL	UTS- 0.0	SPEC-INT	13R
		00288	520HF	Cr 0.12	Ax 0.10	UTS- 0.0	SPEC-INT	13R
50	**1**	00298	520HF	Cr 0.15	Ax 0.17	14S+ 7.4	SPEC-INT	13R
		00298	520HF	0.3 14	VOL	14S+ 7.4	SPEC-INT	13R
		00298	520HF	Cr 0.15	Ax 0.12	14S+ 7.8	SPEC-INT	13R
		00298	520HF	0.3 6	VOL	14S+ 7.8	SPEC-INT	13R
		00298	520HF	Cr 0.15	Ax 0.12	14S+ 8.4	SPEC-INT	13R
		00298	520HF	0.3 13	VOL	14S+ 8.4	SPEC-INT	13R
		00291	540HF	0.6 1	INR	14S+ 8.5	540-MIZ30	13R
		00291	540HF	0.6 1	INR	14S+ 8.6	540-MIZ30	13R
		00298	520HF	0.5 12	VOL	14S+ 9.5	SPEC-INT	13R
		00298	520HF	Cr 0.15	Ax 0.23	14S+ 9.5	SPEC-INT	13R
		00298	520HF	Cr 0.15	Ax 0.17	14S+ 9.9	SPEC-INT	13R
		00298	520HF	0.3 6	VOL	14S+ 9.9	SPEC-INT	13R
		00298	520HF	Cr 0.15	Ax 0.17	14S+ 10.2	SPEC-INT	13R
		00298	520HF	0.6 17	VOL	14S+ 10.2	SPEC-INT	13R
		00298	520HF	Cr 0.15	Ax 0.17	14S+ 10.3	SPEC-INT	13R
		00298	520HF	0.7 16	VOL	14S+ 10.3	SPEC-INT	13R
		00291	540HF	0.5 6	ID 20	14S+ 10.4	540-MIZ30	13R
		00291	540HF	0.5 1	INR	14S+ 10.8	540-MIZ30	13R
		00291	540HF	0.6 1	INR	14S+ 15.4	540-MIZ30	13R
50	2	00291	540HF	0.4 3	INR	15S+ 28.8	540-MIZ30	13R
50	**13**	00089	520HF	Cr 0.20	Ax 0.11	ETL -2.7	KET12	13R
		00089	520HF	0.2 12	VOL	ETL -2.7	KET12	13R
50	**15**	00089	520HF	Cr 0.15	Ax 0.16	ETL -1.0	KET06	13R
		00089	520HF	0.5 19	VOL	ETL -1.0	KET06	13R
		00089	520HF	Cr 0.15	Ax 0.11	ETL- 0.2	KET06	13R
		00089	520HF	0.3 29	VOL	ETL- 0.2	KET06	13R
50	**18**	00087	520HF	0.5 18	VOL	ETL -2.8	KET12	13R
		00087	520HF	Cr 0.19	Ax 0.23	ETL -2.8	KET12	13R
		00087	520HF	0.7 26	VOL	ETL -1.6	KET12	13R
		00087	520HF	Cr 0.14	Ax 0.12	ETL -1.6	KET12	13R
50	**21**	00089	520HF	0.2 12	VOL	ETL -2.2	KET12	13R
		00089	520HF	Cr 0.15	Ax 0.16	ETL -2.2	KET12	13R
50	25	00102	510UL	5.3 176	DNT	UTS+ 4.0	510-MIZ30	13R
		00298	520HF	0.0 0	NDF	UTS+ 4.4	SPEC-INT	13R
50	36	00122	510UL	0.3 105	NQI	LTE+ 2.4	510-MIZ30	13R
		00338	520HF	0.0 0	NDF	LTE+ 2.4	SPEC-INT	13R
50	40	00122	510UL	1.5 11	INR	12S+ 8.6	510-MIZ30	13R
		00122	510UL	1.7 12	INR	13S+ 0.9	510-MIZ30	13R
		00122	510UL	1.7 192	INR	14S+ 1.5	510-MIZ30	13R
		00122	510UL	2.5 4	INR	15S+ 1.0	510-MIZ30	13R

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50	**41**	00097	520HF	Cr 0.15	Ax 0.10	ETL- 0.3	KET12	13R
		00097	520HF	0.2 33	VOL	ETL- 0.3	KET12	13R
50	50	00360	540HF	1.0 4	INR	03S+ 22.6	540-MIZ30	13R
		00122	510UL	0.8 16	ID 53	03S+ 22.8	510-MIZ30	13R
50	**60**	00075	520HF	Cr 0.20	Ax 0.16	ETL -1.3	KET12	13R
		00075	520HF	0.6 26	VOL	ETL -1.3	KET12	13R
50	75	00196	510UL	11.4 182	DNT	09S+ 7.3	510-MIZ30	13R
		00358	520HF	0.0 0	NDF	09S+ 7.3	SPEC-INT	13R
		00196	510UL	11.8 182	DNT	11S+ 33.2	510-MIZ30	13R
		00358	520HF	0.0 0	NDF	11S+ 33.2	SPEC-INT	13R
50	**76**	00199	520HF	0.9 16	VOL	ETL -2.4	KET06	13R
		00199	520HF	Cr 0.16	Ax 0.15	ETL -2.4	KET06	13R
50	**102**	00277	540HF	0.6 5	ID 17	15S+ 16.4	540-MIZ30	13R
		00286	520HF	0.5 14	VOL	15S+ 17.0	SPEC-INT	13R
		00286	520HF	Cr 0.12	Ax 0.16	15S+ 17.0	SPEC-INT	13R
50	***116***	*00237*	*520HF*	*0.3 21*	*VOL*	*ETL- 0.5*	*KET12*	*13R*
		00237	*520HF*	*Cr 0.15*	*Ax 0.05*	*ETL- 0.5*	*KET12*	*13R*
		00237	*520HF*	*0.3 48*	*ARC*	*ETL- 0.0*	*KET12*	*13R*
		00237	*520HF*	*3.9 40*	*SCI*	*ETL- 0.0*	*KET12*	*13R*
		00237	*520HF*	*3.9 40*	*OD 100*	*ETL- 0.0*	*KET12*	*13R*
		00293	*520HF*	*4.2 39*	*PID*	*ETL- 0.0*	*KET12*	*13R*
50	**119**	00226	510UL	3.1 176	DNT	LTE+ 11.0	510-MIZ30	13R
		00239	520HF	0.3 24	VOL	ETL -2.0	KET12	13R
		00239	520HF	Cr 0.25	Ax 0.15	ETL -2.0	KET12	13R
		00239	520HF	Cr 0.15	Ax 0.10	ETL -1.7	KET12	13R
		00239	520HF	0.8 23	VOL	ETL -1.7	KET12	13R
51	**2**	00298	520HF	0.0 0	PRA	15S- 0.4	SPEC-INT	13R
		00298	520HF	1.4 22	VOL	15S- 0.4	SPEC-INT	13R
		00298	520HF	Cr 0.21	Ax 0.18	15S- 0.4	SPEC-INT	13R
		00291	540HF	0.4 9	ID 30	15S+ 2.9	540-MIZ30	13R
		00298	520HF	0.4 22	VOL	15S+ 3.0	SPEC-INT	13R
		00298	520HF	Cr 0.15	Ax 0.18	15S+ 3.0	SPEC-INT	13R
		00291	540HF	0.4 7	BVC	15S+ 3.1	540-MIZ30	13R
		00298	520HF	Cr 0.15	Ax 0.18	15S+ 3.3	SPEC-INT	13R
		00298	520HF	0.6 28	VOL	15S+ 3.3	SPEC-INT	13R
		00298	520HF	Cr 0.15	Ax 0.12	15S+ 20.1	SPEC-INT	13R
		00298	520HF	0.8 19	VOL	15S+ 20.1	SPEC-INT	13R
		00291	540HF	0.4 12	BVC	15S+ 20.2	540-MIZ30	13R
		00291	540HF	0.5 3	INR	15S+ 29.5	540-MIZ30	13R
		00298	520HF	Cr 0.15	Ax 0.17	15S+ 29.8	SPEC-INT	13R
		00298	520HF	0.7 29	VOL	15S+ 29.8	SPEC-INT	13R
		00298	520HF	0.3 21	VOL	15S+ 39.9	SPEC-INT	13R
		00298	520HF	Cr 0.15	Ax 0.17	15S+ 39.9	SPEC-INT	13R
		00291	540HF	0.4 5	BVC	15S+ 39.9	540-MIZ30	13R
51	8	00102	510UL	1.0 50	INR	11S+ 22.4	510-MIZ30	13R
51	14	00102	510UL	0.8 39	INR	03S+ 11.7	510-MIZ30	13R
51	16	00102	510UL	1.0 96	INR	01S+ 20.7	510-MIZ30	13R
51	19	00100	510UL	0.6 86	NQI	LTE+ 10.1	510-MIZ30	13R
		00298	520HF	0.0 0	NDF	LTE+ 10.1	SPEC-INT	13R
		00100	510UL	0.8 97	NQI	LTE+ 13.9	510-MIZ30	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00298	520HF	0.0 0	NDF	LTE+ 13.9	SPEC-INT	13R
		00100	510UL	0.4 100	NQI	LTE+ 16.2	510-MIZ30	13R
		00298	520HF	0.0 0	NDF	LTE+ 16.2	SPEC-INT	13R
51	48	00124	510UL	0.8 68	ADI	02S+ 9.1	510-MIZ30	13R
		00396	520HF	0.0 0	NDF	02S+ 9.1	SPEC-INT	13R
51	**92**	00358	520HF	Cr 0.10	Ax 0.11	13S+ 27.0	SPEC-INT	13R
		00358	520HF	0.1 16	VOL	13S+ 27.0	SPEC-INT	13R
		00277	540HF	0.3 6	BVC	13S+ 27.3	540-MIZ30	13R
		00277	540HF	0.3 4	INR	13S+ 32.6	540-MIZ30	13R
		00358	520HF	0.2 13	VOL	14S+ 5.7	SPEC-INT	13R
		00358	520HF	Cr 0.10	Ax 0.11	14S+ 5.8	SPEC-INT	13R
		00277	540HF	0.2 7	BVC	14S+ 5.8	540-MIZ30	13R
51	115	00236	510UL	2.6 174	DNT	LTE+ 10.4	510-MIZ30	13R
52	6	00100	510UL	0.2 42	INR	07S+ 0.0	510-MIZ30	13R
52	12	00100	510UL	0.3 76	NQI	LTE+ 9.3	510-MIZ30	13R
		00298	520HF	0.0 0	NDF	LTE+ 9.3	SPEC-INT	13R
52	48	00124	510UL	0.5 20	NQI	08S+ 30.8	510-MIZ30	13R
		00396	520HF	0.0 0	NDF	09S -8.2	KET03	13R
52	**65**	00073	520HF	Cr 0.20	Ax 0.17	ETL -2.2	KET12	13R
		00073	520HF	0.8 20	VOL	ETL -2.2	KET12	13R
		00073	520HF	0.5 12	VOL	ETL -1.1	KET12	13R
		00073	520HF	Cr 0.20	Ax 0.11	ETL -1.1	KET12	13R
		00073	520HF	0.5 11	VOL	ETL- 0.5	KET12	13R
		00073	520HF	Cr 0.20	Ax 0.17	ETL- 0.5	KET12	13R
52	70	00196	510UL	1.0 86	INR	08S+ 25.3	510-MIZ30	13R
52	101	00236	510UL	3.0 185	DNT	LTE+ 16.7	510-MIZ30	13R
52	**111**	00358	520HF	Cr 0.16	Ax 0.11	15S+ 20.6	SPEC-INT	13R
		00358	520HF	0.2 15	VOL	15S+ 20.6	SPEC-INT	13R
		00360	540HF	0.5 1	INR	15S+ 20.7	540-MIZ30	13R
		00236	510UL	0.3 14	BVC	15S+ 20.8	510-MIZ30	13R
52	**113**	00360	540HF	0.3 1	INR	15S+ 35.4	540-MIZ30	13R
		00236	510UL	0.2 12	BVC	15S+ 35.5	510-MIZ30	13R
		00358	520HF	0.3 12	VOL	15S+ 35.6	SPEC-INT	13R
		00358	520HF	Cr 0.11	Ax 0.11	15S+ 35.6	SPEC-INT	13R
52	**118**	00237	520HF	Cr 0.26	Ax 0.16	ETL -1.2	KET12	13R
		00237	520HF	0.3 16	VOL	ETL -1.2	KET12	13R
53	70	00196	510UL	5.0 144	DNT	LTS+ 0.0	510-MIZ30	13R
53	71	00198	510UL	8.2 166	DNT	LTS+ 0.0	510-MIZ30	13R
53	72	00196	510UL	5.7 175	DNT	LTS- 0.1	510-MIZ30	13R
53	88	00196	510UL	0.2 39	NQI	LTS+ 3.2	510-MIZ30	13R
		00358	520HF	0.0 0	NDF	LTS+ 3.2	SPEC-INT	13R
53	**123**	00314	540HF	3.6 173	DNT	LTE+ 9.6	540-MIZ30	13R
		00388	520HF	1.6 14	VOL	15S+ 18.5	SPEC-INT	13R
		00388	520HF	Cr 0.11	Ax 0.11	15S+ 18.5	SPEC-INT	13R
		00314	540HF	0.3 358	INR	15S+ 28.4	540-MIZ30	13R
		00286	520HF	Cr 0.21	Ax 0.16	UTS -17.8	SPEC-INT	13R
		00286	520HF	0.1 25	VOL	UTS -17.8	SPEC-INT	13R
54	4	00100	510UL	0.4 82	NQI	LTE+ 8.9	510-MIZ30	13R
		00298	520HF	0.0 0	NDF	LTE+ 8.9	SPEC-INT	13R
		00100	510UL	0.4 91	NQI	10S- 0.8	510-MIZ30	13R

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		00298	520HF	0.9 90	WAR 12	10S- 0.8	SPEC-INT	13R
54	7	00298	520HF	0.9 0	WAR 9	08S+ 0.5	SPEC-INT	13R
		00102	510UL	0.3 70	NQI	09S- 0.4	510-MIZ30	13R
		00380	520HF	0.0 0	NDF	09S- 0.4	SPEC-INT	13R
54	**30**	00298	520HF	Cr 0.15	Ax 0.12	ETL- 0.5	SPEC-INT	13R
		00298	520HF	0.3 19	VOL	ETL- 0.5	SPEC-INT	13R
54	55	00122	510UL	4.3 181	DNT	LTS+ 0.0	510-MIZ30	13R
54	56	00124	510UL	10.2 176	DNT	LTS+ 0.0	510-MIZ30	13R
54	57	00122	510UL	7.9 179	DNT	LTS+ 0.0	510-MIZ30	13R
54	65	00056	520HF	0.0 0	NDF	LTS- 0.1	LTS-KIDNEY	13R
		00198	510UL	4.0 183	DNT	LTS- 0.1	510-MIZ30	13R
		00056	520HF	0.0 0	NDF	LTS+ 0.9	LTS-KIDNEY	13R
		00198	510UL	0.9 107	NQI	LTS+ 0.9	510-MIZ30	13R
54	66	00198	510UL	3.9 180	DNT	LTS+ 0.0	510-MIZ30	13R
		00198	510UL	0.6 71	NQI	LTS+ 1.0	510-MIZ30	13R
		00358	520HF	0.0 0	NDF	LTS+ 1.0	SPEC-INT	13R
54	71	00196	510UL	5.6 147	DNT	LTS+ 0.1	510-MIZ30	13R
54	72	00198	510UL	7.0 157	DNT	LTS+ 0.0	510-MIZ30	13R
54	73	00196	510UL	3.8 171	DNT	LTS+ 0.0	510-MIZ30	13R
55	1	00102	510UL	0.4 83	NQI	LTE+ 19.8	510-MIZ30	13R
		00298	520HF	0.0 0	NDF	LTE+ 19.8	SPEC-INT	13R
55	13	00100	510UL	0.3 86	NQI	LTE+ 9.4	510-MIZ30	13R
		00298	520HF	0.0 0	NDF	LTE+ 9.4	SPEC-INT	13R
55	**19**	00100	510UL	3.1 173	DNT	LTE+ 4.8	510-MIZ30	13R
		00095	520HF	Cr 0.14	Ax 0.12	ETL -2.5	KET12	13R
		00095	520HF	0.2 17	VOL	ETL -2.5	KET12	13R
55	**24**	00097	520HF	Cr 0.15	Ax 0.10	ETL -1.8	KET12	13R
		00097	520HF	0.2 10	VOL	ETL -1.8	KET12	13R
55	**26**	00097	520HF	Cr 0.20	Ax 0.05	ETL -1.0	KET12	13R
		00097	520HF	0.3 31	VOL	ETL -1.0	KET12	13R
55	**29**	00253	520HF	Cr 0.10	Ax 0.11	ETL- 0.8	KET12	13R
		00253	520HF	0.1 20	VOL	ETL- 0.8	KET12	13R
55	54	00124	510UL	6.3 177	DNT	LTS- 0.1	510-MIZ30	13R
55	55	00056	520HF	0.0 0	PRA	LTS+ 0.0	LTS-KIDNEY	13R
		00122	510UL	19.2 174	DNT	LTS+ 0.0	510-MIZ30	13R
		00298	520HF	0.0 0	NDF	LTS+ 0.0	SPEC-INT	13R
55	56	00048	520HF	0.0 0	PRA	LTS+ 0.0	LTS-KIDNEY	13R
		00124	510UL	25.9 172	DNT	LTS+ 0.0	510-MIZ30	13R
		00298	520HF	0.0 0	NDF	LTS+ 0.0	SPEC-INT	13R
55	57	00122	510UL	13.8 175	DNT	LTS+ 0.0	510-MIZ30	13R
55	58	00124	510UL	4.7 176	DNT	LTS- 0.1	510-MIZ30	13R
55	65	00198	510UL	4.3 183	DNT	LTS- 0.2	510-MIZ30	13R
55	66	00196	510UL	1.0 67	NQI	LTS- 0.8	510-MIZ30	13R
		00358	520HF	0.0 0	NDF	LTS- 0.8	SPEC-INT	13R
		00196	510UL	3.7 180	DNT	LTS- 0.1	510-MIZ30	13R
55	**69**	00075	520HF	Cr 0.15	Ax 0.16	ETL -1.1	KET12	13R
		00075	520HF	0.2 33	VOL	ETL -1.1	KET12	13R
55	73	00196	510UL	4.1 159	DNT	LTS+ 0.1	510-MIZ30	13R
55	74	00198	510UL	3.9 149	DNT	LTS+ 0.0	510-MIZ30	13R
55	78	00198	510UL	1.6 73	INR	01S+ 4.3	510-MIZ30	13R

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55	111	00236	510UL	0.4 74	NQI	LTE+ 20.2	510-MIZ30	13R
		00358	520HF	0.0 0	NDF	LTS -3.8	SPEC-INT	13R
55	**120**	00277	540HF	0.2 359	INR	15S+ 31.9	540-MIZ30	13R
		00277	540HF	0.3 6	BVC	15S+ 34.3	540-MIZ30	13R
		00358	520HF	0.2 13	VOL	15S+ 34.6	SPEC-INT	13R
		00358	520HF	Cr 0.16	Ax 0.17	15S+ 34.6	SPEC-INT	13R
		00277	540HF	0.2 9	BVC	15S+ 39.7	540-MIZ30	13R
		00358	520HF	0.1 11	VOL	15S+ 40.1	SPEC-INT	13R
		00358	520HF	Cr 0.16	Ax 0.11	15S+ 40.1	SPEC-INT	13R
55	123	00236	510UL	4.1 175	DNT	LTE+ 9.6	510-MIZ30	13R
55	**124**	00358	520HF	Cr 0.16	Ax 0.11	14S+ 25.5	SPEC-INT	13R
		00358	520HF	0.2 15	VOL	14S+ 25.5	SPEC-INT	13R
		00281	540HF	0.2 6	ID 20	14S+ 25.8	540-MIZ30	13R
		00281	540HF	0.8 1	INR	15S+ 14.4	540-MIZ30	13R
56	**1**	00366	520HF	0.7 21	VOL	03S -8.7	SPEC-INT	13R
		00366	520HF	Cr 0.21	Ax 0.23	03S -8.7	SPEC-INT	13R
		00291	540HF	0.3 8	BVC	02S+ 30.4	540-MIZ30	13R
		00298	520HF	Cr 0.15	Ax 0.12	07S+ 22.2	SPEC-INT	13R
		00298	520HF	0.3 8	VOL	07S+ 22.2	SPEC-INT	13R
		00298	520HF	0.2 12	VOL	07S+ 24.5	SPEC-INT	13R
		00298	520HF	Cr 0.10	Ax 0.12	07S+ 24.5	SPEC-INT	13R
		00291	540HF	0.3 9	BVC	07S+ 24.6	540-MIZ30	13R
		00298	520HF	Cr 0.15	Ax 0.17	07S+ 28.1	SPEC-INT	13R
		00298	520HF	0.3 18	VOL	07S+ 28.1	SPEC-INT	13R
		00380	520HF	0.0 0	NDF	08S -9.0	SPEC-INT	13R
		00298	520HF	0.3 16	VOL	08S -5.3	SPEC-INT	13R
		00298	520HF	Cr 0.15	Ax 0.12	08S -5.3	SPEC-INT	13R
		00298	520HF	0.0 0	NDF	08S+ 3.1	SPEC-INT	13R
		00291	540HF	0.3 10	BVC	08S+ 3.1	540-MIZ30	13R
		00298	520HF	0.1 38	VOL	08S+ 4.1	SPEC-INT	13R
		00298	520HF	Cr 0.15	Ax 0.12	08S+ 4.1	SPEC-INT	13R
		00298	520HF	0.3 11	VOL	08S+ 5.9	SPEC-INT	13R
		00298	520HF	Cr 0.15	Ax 0.12	08S+ 5.9	SPEC-INT	13R
		00298	520HF	0.0 0	NDF	08S+ 14.6	SPEC-INT	13R
		00291	540HF	0.3 10	BVC	08S+ 14.6	540-MIZ30	13R
		00298	520HF	0.3 16	VOL	08S+ 14.9	SPEC-INT	13R
		00298	520HF	Cr 0.10	Ax 0.12	08S+ 14.9	SPEC-INT	13R
		00291	540HF	0.3 1	INR	08S+ 15.7	540-MIZ30	13R
		00291	540HF	0.3 2	INR	08S+ 21.5	540-MIZ30	13R
		00298	520HF	Cr 0.10	Ax 0.12	08S+ 25.6	SPEC-INT	13R
		00298	520HF	0.3 15	VOL	08S+ 25.6	SPEC-INT	13R
		00298	520HF	0.0 0	NDF	08S+ 31.1	SPEC-INT	13R
		00291	540HF	0.3 8	BVC	08S+ 36.2	540-MIZ30	13R
		00298	520HF	Cr 0.15	Ax 0.18	08S+ 36.3	SPEC-INT	13R
		00298	520HF	0.3 25	VOL	08S+ 36.3	SPEC-INT	13R
		00298	520HF	Cr 0.15	Ax 0.12	08S+ 37.2	SPEC-INT	13R
		00298	520HF	0.2 14	VOL	08S+ 37.2	SPEC-INT	13R
		00291	540HF	0.2 12	BVC	08S+ 37.4	540-MIZ30	13R
		00298	520HF	0.0 0	NDF	09S+ 3.5	SPEC-INT	13R
		00298	520HF	Cr 0.20	Ax 0.12	09S+ 7.6	SPEC-INT	13R

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		00298	520HF	0.5 26	VOL	09S+ 7.6	SPEC-INT	13R
		00291	540HF	0.3 9	BVC	09S+ 7.6	540-MIZ30	13R
56	13	00285	540HF	0.9 3	INR	04S+ 8.6	540-MIZ30	13R
		00338	520HF	0.0 0	NDF	04S+ 14.5	SPEC-INT	13R
		00285	540HF	0.5 6	ID 20	04S+ 14.5	540-MIZ30	13R
		00338	520HF	0.0 0	NDF	04S+ 20.7	SPEC-INT	13R
		00285	540HF	0.4 5	ID 17	04S+ 20.7	540-MIZ30	13R
		00338	520HF	0.0 0	NDF	04S+ 26.7	SPEC-INT	13R
		00285	540HF	1.1 5	ID 17	04S+ 26.7	540-MIZ30	13R
56	16	00102	510UL	2.5 183	DNT	03S+ 26.2	510-MIZ30	13R
56	54	00130	510UL	2.8 190	DNT	LTS- 0.1	510-MIZ30	13R
56	55	00132	510UL	15.1 172	DNT	LTS+ 0.0	510-MIZ30	13R
56	56	00130	510UL	16.5 174	DNT	LTS- 0.1	510-MIZ30	13R
		00298	520HF	0.0 0	NDF	LTS- 0.1	SPEC-INT	13R
56	57	00046	520HF	0.0 0	PRA	LTS- 0.3	LTS-KIDNEY	13R
		00132	510UL	19.4 172	DNT	LTS- 0.3	510-MIZ30	13R
		00298	520HF	0.0 0	NDF	LTS- 0.3	SPEC-INT	13R
56	58	00130	510UL	14.8 173	DNT	LTS- 0.1	510-MIZ30	13R
56	59	00122	510UL	6.2 180	DNT	LTS+ 0.0	510-MIZ30	13R
56	60	00124	510UL	0.6 92	NQI	LTS+ 1.6	510-MIZ30	13R
		00396	520HF	0.0 0	NDF	LTS+ 1.6	SPEC-INT	13R
56	62	00124	510UL	0.7 90	NQI	LTS+ 1.5	510-MIZ30	13R
		00396	520HF	0.0 0	NDF	LTS+ 1.5	SPEC-INT	13R
56	63	00122	510UL	0.6 137	INR	LTS+ 1.7	510-MIZ30	13R
56	66	00196	510UL	0.2 86	NQI	LTE+ 19.5	510-MIZ30	13R
		00358	520HF	0.0 0	NDF	LTE+ 19.5	SPEC-INT	13R
		00196	510UL	5.0 174	DNT	LTS- 0.1	510-MIZ30	13R
56	67	00196	510UL	3.9 178	DNT	LTS- 0.2	510-MIZ30	13R
56	**68**	00281	540HF	2.6 169	DNT	LTS- 0.1	540-MIZ30	13R
		00198	510UL	2.5 188	DNT	LTS+ 0.0	510-MIZ30	13R
		00198	510UL	1.0 6	ID 20	15S+ 36.1	510-MIZ30	13R
		00281	540HF	1.2 2	INR	15S+ 36.6	540-MIZ30	13R
		00358	520HF	0.2 20	VOL	15S+ 36.8	SPEC-INT	13R
		00358	520HF	Cr 0.26	Ax 0.23	15S+ 36.8	SPEC-INT	13R
56	71	00196	510UL	5.4 160	DNT	LTS+ 0.0	510-MIZ30	13R
56	72	00198	510UL	6.7 164	DNT	LTS+ 0.0	510-MIZ30	13R
56	75	00196	510UL	2.9 148	DNT	LTS+ 0.1	510-MIZ30	13R
56	76	00198	510UL	3.4 165	DNT	LTS- 0.2	510-MIZ30	13R
		00198	510UL	1.4 184	INR	01S+ 24.5	510-MIZ30	13R
56	77	00196	510UL	6.0 167	DNT	LTS+ 0.0	510-MIZ30	13R
56	80	00198	510UL	1.1 179	INR	LTS+ 21.5	510-MIZ30	13R
56	91	00196	510UL	0.2 108	NQI	02S+ 35.3	510-MIZ30	13R
		00358	520HF	0.0 0	NDF	02S+ 35.3	SPEC-INT	13R
		00358	520HF	0.0 0	NDF	15S+ 35.3	SPEC-INT	13R
56	**93**	00281	540HF	0.3 8	ID 27	15S+ 39.3	540-MIZ30	13R
		00286	520HF	0.3 11	VOL	UTS -7.5	SPEC-INT	13R
		00286	520HF	Cr 0.12	Ax 0.16	UTS -7.5	SPEC-INT	13R
56	**121**	00384	520HF	0.1 25	VOL	15S+ 24.5	SPEC-INT	13R
		00384	520HF	Cr 0.16	Ax 0.11	15S+ 24.5	SPEC-INT	13R
		00277	540HF	0.2 10	BVC	15S+ 25.4	540-MIZ30	13R

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		00277	540HF	0.2 23	BVC	UTS+ 2.8	540-MIZ30	13R
		00286	520HF	Cr 0.18	Ax 0.10	ETL -4.6	SPEC-INT	13R
		00286	520HF	0.4 13	VOL	ETL -4.6	SPEC-INT	13R
57	**26**	00097	520HF	Cr 0.15	Ax 0.10	ETL -1.9	KET06	13R
		00097	520HF	0.2 20	VOL	ETL -1.9	KET06	13R
57	**29**	00095	520HF	0.5 8	VOL	ETL- 0.6	KET12	13R
		00095	520HF	Cr 0.10	Ax 0.06	ETL- 0.6	KET12	13R
57	55	00130	510UL	4.3 182	DNT	LTS- 0.2	510-MIZ30	13R
57	56	00132	510UL	8.4 175	DNT	LTS+ 0.1	510-MIZ30	13R
57	57	00130	510UL	9.7 174	DNT	LTS- 0.2	510-MIZ30	13R
57	58	00132	510UL	6.5 172	DNT	LTS- 0.1	510-MIZ30	13R
57	59	00130	510UL	8.8 174	DNT	LTS- 0.1	510-MIZ30	13R
57	**60**	00132	510UL	6.4 173	DNT	LTS+ 0.0	510-MIZ30	13R
		00075	520HF	1.1 25	VOL	ETL- 0.5	KET12	13R
		00075	520HF	Cr 0.20	Ax 0.16	ETL- 0.5	KET12	13R
57	**63**	00298	520HF	Cr 0.11	Ax 0.11	15S+ 32.7	SPEC-INT	13R
		00298	520HF	0.2 28	VOL	15S+ 32.7	SPEC-INT	13R
		00298	520HF	0.4 10	VOL	15S+ 33.4	SPEC-INT	13R
		00298	520HF	Cr 0.11	Ax 0.11	15S+ 33.4	SPEC-INT	13R
		00298	520HF	Cr 0.16	Ax 0.11	15S+ 36.9	SPEC-INT	13R
		00298	520HF	0.8 21	VOL	15S+ 36.9	SPEC-INT	13R
		00291	540HF	0.8 9	ID 30	15S+ 37.1	540-MIZ30	13R
57	**65**	00298	520HF	Cr 0.11	Ax 0.11	15S+ 33.1	SPEC-INT	13R
		00298	520HF	0.2 17	VOL	15S+ 33.1	SPEC-INT	13R
		00298	520HF	Cr 0.16	Ax 0.16	15S+ 37.3	SPEC-INT	13R
		00298	520HF	0.6 18	VOL	15S+ 37.3	SPEC-INT	13R
		00291	540HF	0.5 3	INR	15S+ 37.5	540-MIZ30	13R
		00298	520HF	Cr 0.16	Ax 0.11	15S+ 40.3	SPEC-INT	13R
		00298	520HF	0.4 15	VOL	15S+ 40.3	SPEC-INT	13R
		00291	540HF	0.3 4	INR	15S+ 40.4	540-MIZ30	13R
		00366	520HF	0.5 36	VOL	UTS -9.1	SPEC-INT	13R
		00366	520HF	Cr 0.21	Ax 0.18	UTS -9.1	SPEC-INT	13R
		00366	520HF	0.0 0	PRA	UTS -9.1	SPEC-INT	13R
		00298	520HF	Cr 0.16	Ax 0.11	15S+ 42.2	SPEC-INT	13R
		00298	520HF	0.4 16	VOL	15S+ 42.2	SPEC-INT	13R
		00291	540HF	0.2 11	BVC	15S+ 42.5	540-MIZ30	13R
		00298	520HF	Cr 0.16	Ax 0.11	15S+ 43.6	SPEC-INT	13R
		00298	520HF	0.5 16	VOL	15S+ 43.6	SPEC-INT	13R
		00291	540HF	0.3 15	BVC	15S+ 43.8	540-MIZ30	13R
57	66	00204	510UL	3.3 173	DNT	LTS+ 0.2	510-MIZ30	13R
57	67	00366	520HF	0.0 0	NDF	06S -7.6	SPEC-INT	13R
		00206	510UL	0.2 83	NQI	05S+ 29.4	510-MIZ30	13R
57	71	00206	510UL	6.8 162	DNT	LTS+ 0.0	510-MIZ30	13R
57	72	00204	510UL	14.6 165	DNT	LTS- 0.0	510-MIZ30	13R
57	73	00206	510UL	7.7 164	DNT	LTS- 0.0	510-MIZ30	13R
57	**74**	00204	510UL	7.4 160	DNT	LTS+ 0.0	510-MIZ30	13R
		00075	520HF	Cr 0.20	Ax 0.11	ETL- 0.9	KET06	13R
		00075	520HF	0.8 27	VOL	ETL- 0.9	KET06	13R
57	77	00206	510UL	7.5 163	DNT	LTS+ 0.0	510-MIZ30	13R
57	78	00204	510UL	4.8 165	DNT	LTS+ 0.0	510-MIZ30	13R

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		00204	510UL	1.5 77	ADI	02S+ 4.4	510-MIZ30	13R
		00358	520HF	0.0 0	NDF	02S+ 4.4	SPEC-INT	13R
57	80	00204	510UL	1.2 22	INR	10S+ 27.0	510-MIZ30	13R
		00204	510UL	0.7 23	INR	10S+ 34.1	510-MIZ30	13R
57	**82**	00277	540HF	1.1 2	INR	15S+ 5.3	540-MIZ30	13R
		00288	520HF	5.0 13	VOL	15S+ 5.6	SPEC-INT	13R
		00288	520HF	Cr 0.18	Ax 0.20	15S+ 5.6	SPEC-INT	13R
57	**92**	00358	520HF	0.6 18	VOL	15S+ 40.5	SPEC-INT	13R
		00358	520HF	Cr 0.16	Ax 0.11	15S+ 40.5	SPEC-INT	13R
		00277	540HF	0.2 12	BVC	15S+ 40.6	540-MIZ30	13R
		00211	520HF	Cr 0.20	Ax 0.10	ETL -1.1	KET03	13R
		00211	520HF	0.3 24	VOL	ETL -1.1	KET03	13R
		00211	520HF	Cr 0.20	Ax 0.10	ETL- 0.8	KET03	13R
		00211	520HF	0.8 32	VOL	ETL- 0.8	KET03	13R
57	**94**	00211	520HF	Cr 0.20	Ax 0.15	ETL -1.0	KET12	13R
		00211	520HF	0.4 27	VOL	ETL -1.0	KET12	13R
57	**115**	00209	520HF	0.3 32	VOL	ETL- 0.5	KET12	13R
		00209	520HF	Cr 0.15	Ax 0.16	ETL- 0.5	KET12	13R
57	**118**	00236	510UL	2.5 184	DNT	LTE+ 16.3	510-MIZ30	13R
		00237	520HF	Cr 0.10	Ax 0.11	ETL- 0.8	KET12	13R
		00237	520HF	0.2 17	VOL	ETL- 0.8	KET12	13R
57	**119**	00239	520HF	0.4 27	VOL	ETL -1.0	KET12	13R
		00239	520HF	Cr 0.10	Ax 0.10	ETL -1.0	KET12	13R
57	126	00236	510UL	4.3 173	DNT	LTE+ 8.5	510-MIZ30	13R
		00236	510UL	4.2 176	DNT	LTE+ 10.8	510-MIZ30	13R
58	13	00102	510UL	3.0 184	DNT	12S+ 12.8	510-MIZ30	13R
58	24	00100	510UL	0.9 128	INR	LTS+ 3.3	510-MIZ30	13R
		00100	510UL	0.5 172	INR	01S+ 3.5	510-MIZ30	13R
		00100	510UL	0.4 358	INR	07S+ 24.7	510-MIZ30	13R
		00100	510UL	0.7 90	INR	13S+ 7.6	510-MIZ30	13R
		00100	510UL	0.7 84	INR	15S+ 22.6	510-MIZ30	13R
		00100	510UL	0.5 135	INR	15S+ 37.7	510-MIZ30	13R
58	25	00285	540HF	0.8 55	INR	12S+ 21.9	540-MIZ30	13R
		00285	540HF	0.4 5	BVC	15S+ 43.6	540-MIZ30	13R
		00298	520HF	0.0 0	NDF	15S+ 43.7	SPEC-INT	13R
58	**50**	00298	520HF	Cr 0.15	Ax 0.12	ETL- 0.4	SPEC-INT	13R
		00298	520HF	0.4 31	VOL	ETL- 0.4	SPEC-INT	13R
58	54	00298	520HF	0.0 0	NDF	LTS+ 41.3	SPEC-INT	13R
		00132	510UL	1.2 88	ADI	LTS+ 41.7	510-MIZ30	13R
58	57	00130	510UL	6.7 177	DNT	LTS- 0.1	510-MIZ30	13R
58	**58**	00132	510UL	4.5 177	DNT	LTS- 0.1	510-MIZ30	13R
		00298	520HF	0.3 16	VOL	ETL -1.8	SPEC-INT	13R
		00298	520HF	Cr 0.16	Ax 0.11	ETL -1.8	SPEC-INT	13R
58	59	00130	510UL	3.8 185	DNT	LTS- 0.1	510-MIZ30	13R
58	60	00132	510UL	4.4 179	DNT	LTS- 0.3	510-MIZ30	13R
58	61	00130	510UL	5.2 179	DNT	LTS- 0.1	510-MIZ30	13R
58	62	00132	510UL	4.6 179	DNT	LTS- 0.3	510-MIZ30	13R
58	63	00130	510UL	3.6 185	DNT	LTS- 0.0	510-MIZ30	13R
58	66	00204	510UL	3.2 157	DNT	LTS- 0.1	510-MIZ30	13R
58	72	00206	510UL	6.0 161	DNT	LTS+ 0.0	510-MIZ30	13R

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58	73	00204	510UL	12.5 165	DNT	LTS+ 0.0	510-MIZ30	13R
58	74	00206	510UL	9.8 166	DNT	LTS+ 0.0	510-MIZ30	13R
58	75	00204	510UL	8.7 161	DNT	LTS+ 0.0	510-MIZ30	13R
58	78	00206	510UL	4.0 149	DNT	LTS+ 0.0	510-MIZ30	13R
58	79	00204	510UL	3.4 162	DNT	LTS+ 0.0	510-MIZ30	13R
58	80	00206	510UL	0.4 77	NQI	13S+ 11.8	510-MIZ30	13R
		00358	520HF	0.0 0	NDF	13S+ 11.8	SPEC-INT	13R
58	**89**	00358	520HF	Cr 0.16	Ax 0.18	ETL -2.7	SPEC-INT	13R
		00358	520HF	0.3 24	VOL	ETL -2.7	SPEC-INT	13R
58	**94**	00277	540HF	0.4 6	BVC	15S+ 44.2	540-MIZ30	13R
		00358	520HF	Cr 0.21	Ax 0.17	15S+ 44.5	SPEC-INT	13R
		00358	520HF	0.6 18	VOL	15S+ 44.5	SPEC-INT	13R
58	97	00234	510UL	3.7 186	DNT	10S+ 25.7	510-MIZ30	13R
58	103	00286	520HF	0.5 12	INR	ETL- 0.7	SPEC-INT	13R
58	**105**	00384	520HF	Cr 0.16	Ax 0.17	UTS+ 4.6	SPEC-INT	13R
		00384	520HF	0.3 13	VOL	UTS+ 4.6	SPEC-INT	13R
		00281	540HF	0.3 10	INR	UTS+ 5.1	540-MIZ30	13R
58	113	00234	510UL	0.2 60	NQI	08S- 0.8	510-MIZ30	13R
		00358	520HF	0.9 79	WAR 18	08S- 0.7	SPEC-INT	13R
58	**117**	00281	540HF	0.3 10	ID 33	15S+ 40.6	540-MIZ30	13R
		00358	520HF	0.2 16	VOL	15S+ 40.7	SPEC-INT	13R
		00358	520HF	Cr 0.16	Ax 0.11	15S+ 40.7	SPEC-INT	13R
		00286	520HF	0.3 15	VOL	UTS -6.2	SPEC-INT	13R
		00286	520HF	Cr 0.12	Ax 0.15	UTS -6.2	SPEC-INT	13R
		00286	520HF	0.6 29	VOL	ETL -4.3	SPEC-INT	13R
		00286	520HF	Cr 0.18	Ax 0.15	ETL -4.3	SPEC-INT	13R
58	**120**	00277	540HF	0.3 6	BVC	15S+ 39.8	540-MIZ30	13R
		00286	520HF	Cr 0.12	Ax 0.15	UTS -6.9	SPEC-INT	13R
		00286	520HF	0.2 12	VOL	UTS -6.9	SPEC-INT	13R
58	125	00236	510UL	3.1 174	DNT	LTE+ 10.7	510-MIZ30	13R
59	**21**	00095	520HF	0.7 14	VOL	ETL- 0.8	KET06	13R
		00095	520HF	Cr 0.10	Ax 0.11	ETL- 0.8	KET06	13R
59	**22**	00097	520HF	0.2 28	VOL	ETL -2.5	KET03	13R
		00097	520HF	Cr 0.15	Ax 0.16	ETL -2.5	KET03	13R
59	**23**	00095	520HF	Cr 0.15	Ax 0.11	ETL -1.6	KET12	13R
		00095	520HF	0.3 13	VOL	ETL -1.6	KET12	13R
		00095	520HF	Cr 0.10	Ax 0.06	ETL -1.5	KET12	13R
		00095	520HF	0.3 11	VOL	ETL -1.5	KET12	13R
59	55	00130	510UL	1.3 93	NQI	LTS+ 1.0	510-MIZ30	13R
		00002	510UL	1.0 94	NQI	LTS+ 1.0	510-MIZ30	13R
		00050	520HF	0.0 0	NDF	LTS+ 1.0	SPEC-INT	13R
59	60	00004	510UL	4.4 178	DNT	LTS- 0.1	510-MIZ30	13R
59	**61**	00073	520HF	0.4 20	VOL	ETL- 0.7	KET06	13R
		00073	520HF	Cr 0.15	Ax 0.11	ETL- 0.7	KET06	13R
59	70	00204	510UL	6.2 157	DNT	LTS+ 0.0	510-MIZ30	13R
59	71	00206	510UL	13.9 166	DNT	LTS+ 0.1	510-MIZ30	13R
59	72	00044	520HF	0.0 0	PRA	LTS+ 0.0	LTS-KIDNEY	13R
		00204	510UL	18.0 167	DNT	LTS+ 0.0	510-MIZ30	13R
		00366	520HF	0.0 0	NDF	LTS+ 0.0	SPEC-INT	13R
		00204	510UL	0.3 66	NQI	07S+ 13.6	510-MIZ30	13R

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		00366	520HF	0.0 0	NDF	07S+ 13.6	SPEC-INT	13R
59	73	00206	510UL	6.9 161	DNT	LTS+ 0.0	510-MIZ30	13R
59	83	00206	510UL	8.3 180	IDC	LTS+ 4.5	510-MIZ30	13R
		00358	520HF	0.0 0	NDF	LTS+ 4.5	SPEC-INT	13R
		00384	520HF	0.0 0	NDF	LTS+ 4.5	SPEC-INT	13R
59	119	00328	510UL	0.3 95	NQI	LTE+ 20.7	510-MIZ30	13R
		00358	520HF	0.0 0	NDF	LTS -3.3	SPEC-INT	13R
60	3	00102	510UL	0.3 82	NQI	15S- 0.4	510-MIZ30	13R
		00298	520HF	0.0 0	NDF	15S- 0.4	SPEC-INT	13R
60	31	00100	510UL	0.5 135	NQI	LTE+ 5.0	510-MIZ30	13R
		00298	520HF	0.0 0	NDF	LTE+ 5.0	SPEC-INT	13R
60	57	00022	520HF	0.0 0	NDF	LTS+ 0.8	LTS-KIDNEY	13R
		00002	510UL	0.8 72	NQI	LTS+ 0.8	510-MIZ30	13R
60	**65**	00062	540HF	0.4 8	ID 27	15S+ 37.3	540-MIZ30	13R
		00157	520HF	Cr 0.20	Ax 0.10	15S+ 37.4	SPEC-INT	13R
		00157	520HF	0.4 28	VOL	15S+ 37.4	SPEC-INT	13R
60	71	00050	520HF	0.0 0	NDF	LTS+ 1.9	SPEC-INT	13R
		00002	510UL	0.2 98	NQI	LTS+ 1.9	510-MIZ30	13R
60	73	00206	510UL	5.8 156	DNT	LTS+ 0.0	510-MIZ30	13R
60	74	00206	510UL	13.4 166	DNT	LTS+ 0.1	510-MIZ30	13R
60	75	00044	520HF	0.0 0	PRA	LTS+ 0.1	LTS-KIDNEY	13R
		00206	510UL	18.4 168	DNT	LTS+ 0.1	510-MIZ30	13R
		00356	520HF	0.0 0	NDF	LTS+ 0.1	SPEC-INT	13R
60	76	00206	510UL	6.8 161	DNT	LTS- 0.0	510-MIZ30	13R
60	**79**	00281	540HF	0.3 8	ID 27	15S+ 31.1	540-MIZ30	13R
		00356	520HF	Cr 0.16	Ax 0.17	15S+ 31.4	SPEC-INT	13R
		00356	520HF	0.2 19	VOL	15S+ 31.4	SPEC-INT	13R
60	81	00206	510UL	7.8 174	DNT	12S+ 6.7	510-MIZ30	13R
		00350	520HF	0.0 0	NDF	12S+ 6.7	SPEC-INT	13R
60	121	00234	510UL	4.5 161	DNT	13S+ 31.0	510-MIZ30	13R
		00350	520HF	0.0 0	NDF	13S+ 31.0	SPEC-INT	13R
60	**125**	00281	540HF	0.5 3	INR	15S+ 25.6	540-MIZ30	13R
		00281	540HF	0.6 3	INR	15S+ 26.2	540-MIZ30	13R
		00286	520HF	0.5 16	VOL	15S+ 26.2	SPEC-INT	13R
		00286	520HF	Cr 0.18	Ax 0.16	15S+ 26.2	SPEC-INT	13R
		00286	520HF	0.3 13	VOL	15S+ 26.8	SPEC-INT	13R
		00286	520HF	Cr 0.18	Ax 0.16	15S+ 26.8	SPEC-INT	13R
60	**128**	00281	540HF	0.3 1	INR	15S+ 39.8	540-MIZ30	13R
		00286	520HF	Cr 0.18	Ax 0.16	UTS -6.9	SPEC-INT	13R
		00286	520HF	0.5 16	VOL	UTS -6.9	SPEC-INT	13R
61	9	00102	510UL	6.2 176	DNT	LTE+ 10.9	510-MIZ30	13R
		00102	510UL	5.6 2	IDC	LTE+ 19.8	510-MIZ30	13R
		00380	520HF	0.0 0	NDF	LTS -4.2	SPEC-INT	13R
61	28	00102	510UL	0.6 101	INR	02S+ 26.8	510-MIZ30	13R
		00102	510UL	0.8 91	INR	04S+ 13.5	510-MIZ30	13R
		00102	510UL	0.6 118	INR	07S+ 19.5	510-MIZ30	13R
		00102	510UL	0.9 110	INR	08S+ 25.7	510-MIZ30	13R
		00102	510UL	0.9 99	INR	10S+ 3.7	510-MIZ30	13R
		00102	510UL	1.0 94	INR	14S+ 33.2	510-MIZ30	13R
61	72	00206	510UL	3.3 156	DNT	LTS+ 0.0	510-MIZ30	13R

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61	73	00204	510UL	8.6 162	DNT	LTS+ 0.0	510-MIZ30	13R
61	74	00206	510UL	11.1 164	DNT	LTS+ 0.0	510-MIZ30	13R
61	75	00204	510UL	3.9 162	DNT	LTS+ 0.0	510-MIZ30	13R
61	79	00281	540HF	0.4 1	INR	15S+ 37.7	540-MIZ30	13R
61	**82**	00211	520HF	0.2 26	VOL	ETL -1.1	KET12	13R
		00211	520HF	Cr 0.20	Ax 0.21	ETL -1.1	KET12	13R
61	**90**	00211	520HF	Cr 0.10	Ax 0.20	ETL -3.0	KET12	13R
		00211	520HF	0.3 31	VOL	ETL -3.0	KET12	13R
61	103	00242	510UL	0.8 84	ADI	07S+ 3.9	510-MIZ30	13R
		00350	520HF	0.0 0	NDF	07S+ 3.9	SPEC-INT	13R
61	121	00242	510UL	0.2 108	NQI	10S+ 10.3	510-MIZ30	13R
		00350	520HF	0.0 0	NDF	10S+ 10.3	SPEC-INT	13R
61	**124**	00237	520HF	Cr 0.10	Ax 0.11	ETL- 0.2	KET06	13R
		00237	520HF	0.2 34	VOL	ETL- 0.2	KET06	13R
62	9	00102	510UL	5.8 176	DNT	LTE+ 11.3	510-MIZ30	13R
62	20	00100	510UL	3.1 178	DNT	06S+ 28.4	510-MIZ30	13R
62	30	00100	510UL	2.8 179	DNT	01S+ 14.5	510-MIZ30	13R
		00100	510UL	2.2 113	INR	01S+ 14.7	510-MIZ30	13R
62	31	00102	510UL	0.2 101	INR	LTE+ 10.0	510-MIZ30	13R
62	75	00206	510UL	4.3 165	DNT	LTS+ 0.0	510-MIZ30	13R
62	76	00204	510UL	2.8 169	DNT	LTS- 0.1	510-MIZ30	13R
62	81	00206	510UL	2.8 185	DNT	LTS+ 0.0	510-MIZ30	13R
62	82	00204	510UL	2.7 184	DNT	LTS+ 0.0	510-MIZ30	13R
62	84	00204	510UL	0.2 81	NQI	LTS+ 2.0	510-MIZ30	13R
		00350	520HF	0.0 0	NDF	LTS+ 2.0	SPEC-INT	13R
62	114	00350	520HF	0.0 0	NDF	02S+ 15.0	SPEC-INT	13R
		00277	540HF	1.3 5	ID 17	02S+ 15.0	540-MIZ30	13R
63	2	00088	510UL	0.7 91	NQI	11S- 0.4	510-MIZ30	13R
		00296	520HF	2.0 0	WAR 19	11S- 0.3	SPEC-INT	13R
63	8	00102	510UL	6.4 178	DNT	LTE+ 11.6	510-MIZ30	13R
63	9	00100	510UL	8.1 177	DNT	LTE+ 11.1	510-MIZ30	13R
63	**17**	00298	520HF	0.2 15	VOL	ETL -1.3	SPEC-INT	13R
		00298	520HF	Cr 0.15	Ax 0.19	ETL -1.3	SPEC-INT	13R
63	23	00102	510UL	0.1 83	INR	06S+ 0.0	510-MIZ30	13R
63	34	00100	510UL	0.2 93	INR	LTE+ 12.9	510-MIZ30	13R
63	41	00132	510UL	1.3 82	INR	12S+ 21.4	510-MIZ30	13R
63	56	00050	520HF	0.0 0	NDF	04S+ 35.6	SPEC-INT	13R
		00020	510UL	0.9 0	ADI	04S+ 35.6	510-MIZ30	13R
		00020	510UL	0.9 0	ADI	05S+ 8.7	510-MIZ30	13R
		00137	520HF	0.0 0	NDF	05S+ 8.7	SPEC-INT	13R
63	61	00050	520HF	1.5 0	WAR 16	08S- 0.8	SPEC-INT	13R
		00006	510UL	0.2 76	NQI	08S- 0.8	510-MIZ30	13R
63	73	00204	510UL	1.7 82	ADI	13S+ 27.5	510-MIZ30	13R
		00366	520HF	0.0 0	NDF	13S+ 27.5	SPEC-INT	13R
63	76	00206	510UL	0.4 76	NQI	LTS+ 2.8	510-MIZ30	13R
		00350	520HF	0.0 0	NDF	LTS+ 2.8	SPEC-INT	13R
63	79	00204	510UL	0.2 74	NQI	LTS+ 2.6	510-MIZ30	13R
		00350	520HF	0.0 0	NDF	LTS+ 2.6	SPEC-INT	13R
63	80	00206	510UL	0.8 132	NQI	LTS+ 2.6	510-MIZ30	13R
		00350	520HF	0.0 0	NDF	LTS+ 2.6	SPEC-INT	13R

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63	82	00206	510UL	2.9 179	DNT	LTS- 0.2	510-MIZ30	13R
63	83	00204	510UL	2.7 183	DNT	LTS+ 0.0	510-MIZ30	13R
63	87	00212	510UL	7.9 163	DNT	LTS+ 0.0	510-MIZ30	13R
63	**126**	00281	540HF	2.7 169	DNT	LTE+ 8.7	540-MIZ30	13R
		00281	540HF	0.5 8	ID 27	15S+ 23.0	540-MIZ30	13R
		00286	520HF	0.6 24	VOL	15S+ 23.9	SPEC-INT	13R
		00286	520HF	Cr 0.18	Ax 0.16	15S+ 23.9	SPEC-INT	13R
64	1	00086	510UL	0.2 49	INR	14S+ 6.1	510-MIZ30	13R
64	**16**	00101	520HF	Cr 0.15	Ax 0.10	ETL -2.5	KET12	13R
		00101	520HF	0.1 30	VOL	ETL -2.5	KET12	13R
64	**18**	00101	520HF	0.3 23	VOL	ETL- 0.8	KET12	13R
		00101	520HF	Cr 0.20	Ax 0.16	ETL- 0.8	KET12	13R
64	30	00094	510UL	3.2 169	DNT	09S+ 8.1	510-MIZ30	13R
64	54	00130	510UL	1.3 158	INR	LTS+ 15.3	510-MIZ30	13R
64	**60**	00073	520HF	0.3 21	VOL	ETL -2.0	KET12	13R
		00073	520HF	Cr 0.15	Ax 0.17	ETL -2.0	KET12	13R
64	**66**	00157	520HF	0.4 18	VOL	15S+ 39.8	SPEC-INT	13R
		00157	520HF	Cr 0.15	Ax 0.10	15S+ 39.8	SPEC-INT	13R
		00062	540HF	0.3 9	BVC	15S+ 39.8	540-MIZ30	13R
64	**74**	00069	520HF	Cr 0.29	Ax 0.17	ETL -2.9	KET06	13R
		00069	520HF	1.4 26	VOL	ETL -2.9	KET06	13R
64	96	00214	510UL	0.2 103	NQI	LTE+ 12.1	510-MIZ30	13R
		00384	520HF	0.0 0	NDF	LTE+ 12.1	SPEC-INT	13R
64	113	00244	510UL	1.2 98	INR	LTS+ 17.5	510-MIZ30	13R
64	123	00242	510UL	0.2 81	NQI	10S- 0.3	510-MIZ30	13R
		00350	520HF	0.0 0	NDF	10S- 0.3	SPEC-INT	13R
64	127	00242	510UL	0.4 56	NQI	15S- 0.5	510-MIZ30	13R
		00350	520HF	0.0 0	NDF	15S- 0.5	SPEC-INT	13R
64	**129**	00286	520HF	Cr 0.18	Ax 0.16	UTS- 0.4	SPEC-INT	13R
		00286	520HF	0.6 14	VOL	UTS- 0.4	SPEC-INT	13R
		00281	540HF	0.5 6	ID 20	UTS- 0.3	540-MIZ30	13R
		00239	520HF	0.4 24	VOL	ETL -2.2	KET12	13R
		00239	520HF	Cr 0.10	Ax 0.10	ETL -2.2	KET12	13R
		00239	520HF	0.4 8	VOL	ETL -2.1	KET12	13R
		00239	520HF	Cr 0.15	Ax 0.10	ETL -2.1	KET12	13R
		00286	520HF	Cr 0.18	Ax 0.10	ETL -1.7	SPEC-INT	13R
		00286	520HF	0.5 22	VOL	ETL -1.7	SPEC-INT	13R
65	20	00094	510UL	0.6 47	NQI	LTE+ 11.6	510-MIZ30	13R
		00298	520HF	0.0 0	NDF	LTE+ 11.6	SPEC-INT	13R
65	41	00132	510UL	1.1 68	INR	12S+ 28.3	510-MIZ30	13R
65	43	00132	510UL	0.7 63	INR	03S+ 22.6	510-MIZ30	13R
		00132	510UL	1.2 80	INR	12S+ 34.8	510-MIZ30	13R
65	51	00132	510UL	0.5 54	INR	03S+ 9.0	510-MIZ30	13R
		00132	510UL	0.5 47	INR	07S+ 34.4	510-MIZ30	13R
		00132	510UL	0.5 46	INR	12S+ 24.4	510-MIZ30	13R
65	65	00008	510UL	0.3 93	NQI	UTS+ 0.4	510-MIZ30	13R
		00050	520HF	0.0 0	NDF	UTS+ 0.4	SPEC-INT	13R
65	68	00004	510UL	2.9 170	DNT	LTS- 0.1	510-MIZ30	13R
65	69	00004	510UL	6.3 169	DNT	LTS- 0.1	510-MIZ30	13R
65	70	00002	510UL	5.9 169	DNT	LTS- 0.1	510-MIZ30	13R

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65	82	00206	510UL	0.6 58	NQI	LTS+ 2.5	510-MIZ30	13R
		00350	520HF	0.0 0	NDF	LTS+ 2.5	SPEC-INT	13R
65	83	00204	510UL	2.6 187	DNT	LTS- 0.1	510-MIZ30	13R
65	86	00206	510UL	0.3 106	NQI	LTS+ 2.1	510-MIZ30	13R
		00350	520HF	0.0 0	NDF	LTS+ 2.1	SPEC-INT	13R
65	**94**	00350	520HF	Cr 0.15	Ax 0.18	15S+ 35.8	SPEC-INT	13R
		00350	520HF	0.1 25	VOL	15S+ 35.8	SPEC-INT	13R
		00277	540HF	0.4 7	BVC	15S+ 35.8	540-MIZ30	13R
		00350	520HF	0.1 41	VOL	15S+ 36.4	SPEC-INT	13R
		00350	520HF	Cr 0.15	Ax 0.18	15S+ 36.4	SPEC-INT	13R
		00350	520HF	Cr 0.10	Ax 0.12	15S+ 37.9	SPEC-INT	13R
		00350	520HF	0.3 12	VOL	15S+ 37.9	SPEC-INT	13R
		00277	540HF	0.2 5	BVC	15S+ 43.2	540-MIZ30	13R
		00350	520HF	0.1 28	VOL	15S+ 43.3	SPEC-INT	13R
		00350	520HF	Cr 0.15	Ax 0.18	15S+ 43.3	SPEC-INT	13R
		00277	540HF	0.2 10	BVC	15S+ 44.7	540-MIZ30	13R
		00350	520HF	Cr 0.15	Ax 0.12	15S+ 45.4	SPEC-INT	13R
		00350	520HF	0.4 20	VOL	15S+ 45.4	SPEC-INT	13R
65	100	00242	510UL	0.2 91	NQI	LTS+ 5.8	510-MIZ30	13R
		00350	520HF	0.0 0	NDF	LTS+ 5.8	SPEC-INT	13R
65	123	00244	510UL	0.1 75	NQI	LTE+ 14.5	510-MIZ30	13R
		00388	520HF	0.0 0	NDF	LTE+ 14.5	SPEC-INT	13R
65	127	00244	510UL	2.5 170	DNT	LTE+ 9.1	510-MIZ30	13R
65	130	00242	510UL	3.0 178	DNT	15S- 0.7	510-MIZ30	13R
66	12	00094	510UL	0.4 88	NQI	LTE+ 15.0	510-MIZ30	13R
		00298	520HF	0.0 0	NDF	LTE+ 15.0	SPEC-INT	13R
66	**16**	00099	520HF	0.3 17	VOL	ETL -2.3	KET12	13R
		00099	520HF	Cr 0.20	Ax 0.16	ETL -2.3	KET12	13R
66	**20**	00099	520HF	0.2 22	VOL	ETL -1.1	KET12	13R
		00099	520HF	Cr 0.15	Ax 0.16	ETL -1.1	KET12	13R
66	**26**	00094	510UL	0.6 50	INR	12S+ 26.9	510-MIZ30	13R
		00099	520HF	Cr 0.15	Ax 0.22	ETL- 0.1	KET12	13R
		00099	520HF	0.6 24	VOL	ETL- 0.1	KET12	13R
66	28	00094	510UL	0.6 111	INR	05S+ 34.9	510-MIZ30	13R
		00094	510UL	0.3 129	INR	07S+ 34.4	510-MIZ30	13R
		00094	510UL	0.8 98	INR	08S+ 34.6	510-MIZ30	13R
		00094	510UL	0.5 107	INR	14S+ 31.3	510-MIZ30	13R
66	***31***	*00101*	*520HF*	*Cr 0.20*	*Ax 0.16*	*ETL -2.2*	*KET12*	*13R*
		00101	*520HF*	*0.3 16*	*VOL*	*ETL -2.2*	*KET12*	*13R*
		00101	*520HF*	*1.6 39*	*SCI*	*ETL- 0.1*	*KET12*	*13R*
		00101	*520HF*	*1.6 39*	*OD 95*	*ETL- 0.1*	*KET12*	*13R*
		00101	*520HF*	*0.3 55*	*ARC*	*ETL- 0.1*	*KET12*	*13R*
		00293	*520HF*	*1.8 27*	*PID*	*ETL- 0.1*	*KET12*	*13R*
66	**40**	00251	520HF	Cr 0.10	Ax 0.12	ETL -2.8	KET12	13R
		00251	520HF	0.1 35	VOL	ETL -2.8	KET12	13R
66	61	00008	510UL	3.1 186	DNT	05S+ 24.1	510-MIZ30	13R
		00008	510UL	2.6 186	DNT	05S+ 30.2	510-MIZ30	13R
66	**64**	00047	520HF	0.3 22	VOL	ETL- 0.5	KET06	13R
		00047	520HF	Cr 0.14	Ax 0.12	ETL- 0.5	KET06	13R
66	66	00006	510UL	5.1 181	DNT	LTE+ 17.6	510-MIZ30	13R

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		00006	510UL	3.0 179	DNT	LTE+ 19.1	510-MIZ30	13R
66	67	00008	510UL	5.4 161	DNT	LTS- 0.1	510-MIZ30	13R
66	68	00006	510UL	8.4 169	DNT	LTS- 0.1	510-MIZ30	13R
66	69	00004	510UL	11.0 166	DNT	LTS+ 0.1	510-MIZ30	13R
66	70	00022	520HF	0.0 0	NDF	LTS+ 0.1	LTS-KIDNEY	13R
		00050	520HF	0.0 0	NDF	LTS+ 0.1	SPEC-INT	13R
		00002	510UL	18.9 170	DNT	LTS+ 0.1	510-MIZ30	13R
66	71	00004	510UL	10.7 165	DNT	LTS+ 0.1	510-MIZ30	13R
66	72	00002	510UL	5.1 168	DNT	LTS- 0.0	510-MIZ30	13R
66	73	00204	510UL	3.6 184	DNT	LTS- 0.2	510-MIZ30	13R
66	**80**	00209	520HF	0.2 26	VOL	ETL- 0.6	KET12	13R
		00209	520HF	Cr 0.15	Ax 0.11	ETL- 0.6	KET12	13R
66	**82**	00209	520HF	0.4 7	VOL	ETL -3.4	KET06	13R
		00209	520HF	Cr 0.15	Ax 0.16	ETL -3.4	KET06	13R
66	83	00204	510UL	1.1 48	NQI	LTS- 0.4	510-MIZ30	13R
		00350	520HF	0.0 0	NDF	LTS- 0.4	SPEC-INT	13R
		00204	510UL	2.7 183	DNT	LTS- 0.2	510-MIZ30	13R
66	84	00206	510UL	3.3 192	DNT	LTS- 0.2	510-MIZ30	13R
66	85	00204	510UL	4.0 159	DNT	LTS+ 0.0	510-MIZ30	13R
66	86	00206	510UL	7.0 165	DNT	LTS- 0.0	510-MIZ30	13R
		00350	520HF	0.0 0	NDF	LTS- 0.0	SPEC-INT	13R
		00206	510UL	0.4 75	NQI	LTS+ 2.1	510-MIZ30	13R
		00350	520HF	0.0 0	NDF	LTS+ 2.1	SPEC-INT	13R
66	98	00242	510UL	0.2 77	NQI	LTE+ 9.1	510-MIZ30	13R
		00388	520HF	0.0 0	NDF	LTE+ 9.1	SPEC-INT	13R
66	108	00242	510UL	0.6 184	INR	LTE+ 0.6	510-MIZ30	13R
66	**127**	00281	540HF	3.5 169	DNT	LTE+ 10.8	540-MIZ30	13R
		00281	540HF	0.5 5	ID 23	15S+ 45.0	540-MIZ30	13R
		00350	520HF	1.0 16	VOL	15S+ 45.8	SPEC-INT	13R
		00350	520HF	Cr 0.25	Ax 0.18	15S+ 45.8	SPEC-INT	13R
		00286	520HF	0.9 20	VOL	UTS -1.5	SPEC-INT	13R
		00286	520HF	Cr 0.18	Ax 0.21	UTS -1.5	SPEC-INT	13R
67	2	00086	510UL	0.1 58	NQI	11S+ 0.0	510-MIZ30	13R
		00380	520HF	0.0 0	NDF	11S+ 0.0	SPEC-INT	13R
67	26	00094	510UL	0.4 92	NQI	LTE+ 15.5	510-MIZ30	13R
		00298	520HF	0.0 0	NDF	LTE+ 15.6	SPEC-INT	13R
67	29	00098	510UL	0.4 60	INR	02S+ 22.2	510-MIZ30	13R
67	67	00008	510UL	4.1 173	DNT	LTS+ 0.0	510-MIZ30	13R
67	68	00006	510UL	4.6 170	DNT	LTS+ 0.0	510-MIZ30	13R
67	69	00008	510UL	15.9 168	DNT	LTS+ 0.1	510-MIZ30	13R
67	71	00004	510UL	21.6 167	DNT	LTS+ 0.1	510-MIZ30	13R
		00022	520HF	0.0 0	NDF	LTS+ 0.1	LTS-KIDNEY	13R
67	72	00002	510UL	6.3 170	DNT	LTS+ 0.1	510-MIZ30	13R
67	82	00204	510UL	0.2 104	NQI	LTS+ 2.6	510-MIZ30	13R
		00350	520HF	0.0 0	NDF	LTS+ 2.6	SPEC-INT	13R
67	84	00204	510UL	2.6 177	DNT	LTS- 0.2	510-MIZ30	13R
67	85	00204	510UL	9.0 162	DNT	LTS+ 0.0	510-MIZ30	13R
67	86	00214	510UL	5.7 169	DNT	LTS- 0.1	510-MIZ30	13R
67	90	00350	520HF	0.0 0	NDF	11S+ 14.2	SPEC-INT	13R
		00277	540HF	1.0 5	ID 17	11S+ 14.2	540-MIZ30	13R

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67	**93**	00277	540HF	0.2 2	INR	15S+ 34.4	540-MIZ30	13R
		00277	540HF	0.3 9	ID 30	15S+ 35.7	540-MIZ30	13R
		00277	540HF	0.4 3	INR	15S+ 36.3	540-MIZ30	13R
		00286	520HF	0.2 10	VOL	UTS -12.8	SPEC-INT	13R
		00286	520HF	Cr 0.12	Ax 0.16	UTS -12.8	SPEC-INT	13R
		00286	520HF	0.3 21	VOL	UTS -11.4	SPEC-INT	13R
		00286	520HF	Cr 0.18	Ax 0.16	UTS -11.4	SPEC-INT	13R
		00286	520HF	0.3 13	VOL	UTS -10.8	SPEC-INT	13R
		00286	520HF	Cr 0.18	Ax 0.11	UTS -10.8	SPEC-INT	13R
67	121	00244	510UL	0.2 108	INR	07S+ 0.6	510-MIZ30	13R
67	129	00244	510UL	4.7 176	DNT	LTE+ 11.2	510-MIZ30	13R
		00244	510UL	2.2 83	ADI	14S+ 31.0	510-MIZ30	13R
		00350	520HF	0.0 0	NDF	14S+ 31.0	SPEC-INT	13R
67	**130**	00314	540HF	4.4 169	DNT	15S- 0.6	540-MIZ30	13R
		00388	520HF	0.0 0	NDF	15S- 0.6	SPEC-INT	13R
		00281	540HF	3.9 169	DNT	15S+ 0.0	540-MIZ30	13R
		00314	540HF	0.6 358	INR	UTS+ 0.9	540-MIZ30	13R
		00350	520HF	0.4 9	VOL	UTS+ 0.9	SPEC-INT	13R
		00350	520HF	Cr 0.15	Ax 0.18	UTS+ 0.9	SPEC-INT	13R
		00281	540HF	0.6 9	ID 30	UTS+ 0.9	540-MIZ30	13R
		00350	520HF	0.4 21	VOL	UTS+ 4.0	SPEC-INT	13R
		00350	520HF	Cr 0.15	Ax 0.12	UTS+ 4.0	SPEC-INT	13R
68	21	00094	510UL	0.6 87	NQI	LTE+ 18.7	510-MIZ30	13R
		00298	520HF	0.0 0	NDF	LTE+ 18.7	SPEC-INT	13R
68	36	00130	510UL	1.3 184	INR	LTS+ 9.1	510-MIZ30	13R
68	44	00130	510UL	1.9 3	INR	15S+ 32.5	510-MIZ30	13R
68	66	00006	510UL	49.1 177	DNT	LTE+ 0.2	510-MIZ30	13R
		00131	520HF	0.0 0	NDF	LTE+ 0.2	SPEC-INT	13R
		00006	510UL	49.1 177	DNT	LTS -1.1	510-MIZ30	13R
		00022	520HF	0.0 0	NDF	LTS -1.1	LTS-KIDNEY	13R
		00006	510UL	89.5 176	DNT	LTS+ 0.3	510-MIZ30	13R
		00022	520HF	0.0 0	NDF	LTS+ 0.3	LTS-KIDNEY	13R
68	71	00004	510UL	10.8 168	DNT	LTS+ 0.2	510-MIZ30	13R
68	72	00002	510UL	10.5 167	DNT	LTS+ 0.1	510-MIZ30	13R
		00002	510UL	0.4 91	NQI	13S+ 9.5	510-MIZ30	13R
		00050	520HF	0.0 0	NDF	13S+ 9.5	SPEC-INT	13R
68	73	00016	510UL	5.5 167	DNT	LTS- 0.0	510-MIZ30	13R
68	80	00212	510UL	1.3 81	ADI	13S+ 16.0	510-MIZ30	13R
		00350	520HF	0.0 0	NDF	13S+ 16.0	SPEC-INT	13R
68	81	00214	510UL	0.9 86	ADI	01S+ 22.9	510-MIZ30	13R
		00350	520HF	0.0 0	NDF	01S+ 22.9	SPEC-INT	13R
68	86	00212	510UL	3.4 160	DNT	LTS- 0.1	510-MIZ30	13R
68	93	00214	510UL	13.9 185	INR	UTS+ 6.5	510-MIZ30	13R
68	100	00244	510UL	3.0 174	INR	LTE+ 1.0	510-MIZ30	13R
68	119	00242	510UL	0.3 96	INR	05S+ 10.5	510-MIZ30	13R
68	124	00244	510UL	2.8 173	DNT	LTE+ 10.4	510-MIZ30	13R
68	**127**	00244	510UL	5.6 174	DNT	LTE+ 11.1	510-MIZ30	13R
		00286	520HF	Cr 0.18	Ax 0.11	ETL -6.6	SPEC-INT	13R
		00286	520HF	0.4 24	VOL	ETL -6.6	SPEC-INT	13R
69	10	00285	540HF	0.2 3	INR	10S+ 18.1	540-MIZ30	13R

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69	11	00094	510UL	0.1 83	NQI	11S- 0.3	510-MIZ30	13R
		00298	520HF	0.0 0	NDF	11S- 0.3	SPEC-INT	13R
69	17	00094	510UL	4.8 182	DNT	LTS+ 25.4	510-MIZ30	13R
		00298	520HF	0.0 0	NDF	LTS+ 25.4	SPEC-INT	13R
69	**20**	00101	520HF	0.7 34	VOL	ETL- 0.1	KET12	13R
		00101	520HF	Cr 0.15	Ax 0.10	ETL- 0.1	KET12	13R
69	38	00132	510UL	0.7 92	INR	02S+ 8.1	510-MIZ30	13R
69	**44**	00253	520HF	Cr 0.15	Ax 0.16	ETL -2.1	KET12	13R
		00253	520HF	0.2 3	VOL	ETL -2.1	KET12	13R
		00253	520HF	Cr 0.15	Ax 0.11	ETL -1.5	KET12	13R
		00253	520HF	0.2 17	VOL	ETL -1.5	KET12	13R
		00253	520HF	Cr 0.15	Ax 0.11	ETL- 0.0	KET12	13R
		00253	520HF	0.3 28	VOL	ETL- 0.0	KET12	13R
69	**53**	00251	520HF	Cr 0.21	Ax 0.18	ETL -2.7	KET12	13R
		00251	520HF	0.3 12	VOL	ETL -2.7	KET12	13R
69	54	00132	510UL	1.2 69	INR	12S+ 32.2	510-MIZ30	13R
69	56	00132	510UL	1.0 93	INR	LTE+ 9.2	510-MIZ30	13R
69	60	00008	510UL	2.0 187	INR	LTS+ 0.1	510-MIZ30	13R
69	**73**	00002	510UL	4.9 166	DNT	LTS+ 0.0	510-MIZ30	13R
		00047	520HF	0.7 24	VOL	UTS- 0.9	KET12	13R
		00047	520HF	Cr 0.25	Ax 0.12	UTS- 0.9	KET12	13R
		00047	520HF	0.4 20	VOL	ETL -4.6	KET12	13R
		00047	520HF	Cr 0.18	Ax 0.12	ETL -4.6	KET12	13R
69	85	00212	510UL	3.8 184	DNT	LTS- 0.2	510-MIZ30	13R
69	87	00212	510UL	3.6 160	DNT	LTS- 0.1	510-MIZ30	13R
69	**107**	00211	520HF	Cr 0.16	Ax 0.15	ETL- 0.1	KET12	13R
		00211	520HF	0.3 8	VOL	ETL- 0.1	KET12	13R
70	1	00086	510UL	1.0 79	NQI	14S- 0.3	510-MIZ30	13R
		00298	520HF	0.0 0	NDF	14S- 0.3	SPEC-INT	13R
70	6	00086	510UL	0.1 105	NQI	11S- 0.1	510-MIZ30	13R
		00292	520HF	0.0 0	NDF	11S- 0.1	SPEC-INT	13R
70	8	00086	510UL	0.2 42	NQI	08S- 0.7	510-MIZ30	13R
		00292	520HF	0.0 0	NDF	08S- 0.7	SPEC-INT	13R
70	25	00094	510UL	3.2 178	DNT	09S+ 28.9	510-MIZ30	13R
		00094	510UL	0.5 84	INR	12S+ 9.2	510-MIZ30	13R
70	28	00098	510UL	0.4 74	ADI	08S+ 33.1	510-MIZ30	13R
		00298	520HF	0.0 0	NDF	08S+ 33.2	SPEC-INT	13R
70	34	00094	510UL	0.7 62	NQI	09S+ 0.7	510-MIZ30	13R
		00298	520HF	1.4 59	WAR 18	09S+ 0.7	SPEC-INT	13R
70	66	00002	510UL	0.3 89	NQI	12S- 0.8	510-MIZ30	13R
		00050	520HF	1.4 0	WAR 15	12S- 0.8	SPEC-INT	13R
70	79	00214	510UL	0.2 106	INR	LTS+ 43.4	510-MIZ30	13R
70	81	00214	510UL	0.2 91	NQI	LTS+ 43.3	510-MIZ30	13R
		00350	520HF	0.0 0	NDF	LTS+ 43.3	SPEC-INT	13R
70	84	00212	510UL	0.6 75	NQI	LTS+ 2.8	510-MIZ30	13R
		00350	520HF	0.0 0	NDF	LTS+ 2.8	SPEC-INT	13R
70	85	00214	510UL	3.2 180	DNT	LTS- 0.1	510-MIZ30	13R
70	86	00212	510UL	2.8 171	DNT	LTS- 0.1	510-MIZ30	13R
70	87	00214	510UL	4.0 165	DNT	LTS- 0.0	510-MIZ30	13R
70	**88**	00277	540HF	0.2 8	BVC	15S+ 37.4	540-MIZ30	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00277	540HF	0.3 3	INR	15S+ 40.0	540-MIZ30	13R
		00286	520HF	Cr 0.18	Ax 0.16	UTS -9.7	SPEC-INT	13R
		00286	520HF	0.1 24	VOL	UTS -9.7	SPEC-INT	13R
		00286	520HF	Cr 0.18	Ax 0.11	UTS -9.2	SPEC-INT	13R
		00286	520HF	0.1 24	VOL	UTS -9.2	SPEC-INT	13R
		00286	520HF	Cr 0.18	Ax 0.16	UTS -6.8	SPEC-INT	13R
		00286	520HF	0.2 7	VOL	UTS -6.8	SPEC-INT	13R
70	98	00242	510UL	0.9 7	INR	11S+ 6.1	510-MIZ30	13R
70	101	00242	510UL	1.8 354	INR	LTE+ 9.6	510-MIZ30	13R
70	103	00242	510UL	1.5 359	INR	LTE+ 1.2	510-MIZ30	13R
70	108	00244	510UL	0.3 118	INR	LTS- 0.2	510-MIZ30	13R
70	116	00244	510UL	0.3 80	INR	LTE+ 13.9	510-MIZ30	13R
70	124	00244	510UL	4.8 171	DNT	LTE+ 9.5	510-MIZ30	13R
71	7	00088	510UL	0.2 88	NQI	11S+ 0.4	510-MIZ30	13R
		00292	520HF	0.0 0	NDF	11S+ 0.4	SPEC-INT	13R
71	**20**	00101	520HF	0.3 9	VOL	ETL -1.9	KET12	13R
		00101	520HF	Cr 0.15	Ax 0.10	ETL -1.9	KET12	13R
71	27	00094	510UL	0.2 71	NQI	10S- 0.8	510-MIZ30	13R
		00298	520HF	0.6 0	WAR 6	10S- 0.7	SPEC-INT	13R
71	28	00098	510UL	0.2 90	NQI	11S+ 0.7	510-MIZ30	13R
		00298	520HF	0.8 74	WAR 11	11S+ 0.9	SPEC-INT	13R
71	*36*	*00132*	*510UL*	*4.2 151*	*NQI*	*15S+ 8.6*	*510-MIZ30*	*13R*
		00298	*520HF*	*0.4 0*	*LEN*	*15S+ 8.6*	*SPEC-INT*	*13R*
		00298	*520HF*	*1.6 33*	*NT 72*	*15S+ 8.6*	*SPEC-INT*	*13R*
		00298	*520HF*	*1.5 47*	*SAI*	*15S+ 8.6*	*SPEC-INT*	*13R*
		00380	*520HF*	*1.9 24*	*PID*	*15S+ 8.6*	*SPEC-INT*	*13R*
71	**44**	00245	520HF	0.2 24	VOL	ETL -1.5	KET12	13R
		00245	520HF	Cr 0.16	Ax 0.11	ETL -1.5	KET12	13R
		00245	520HF	Cr 0.16	Ax 0.16	ETL- 0.7	KET12	13R
		00245	520HF	0.2 11	VOL	ETL- 0.7	KET12	13R
		00245	520HF	0.4 17	VOL	ETL- 0.3	KET12	13R
		00245	520HF	Cr 0.16	Ax 0.11	ETL- 0.3	KET12	13R
71	70	00002	510UL	0.1 84	NQI	15S+ 0.6	510-MIZ30	13R
		00050	520HF	1.1 0	WAR 15	15S+ 0.8	SPEC-INT	13R
71	**78**	00209	520HF	0.3 14	VOL	ETL- 0.2	KET12	13R
		00209	520HF	Cr 0.16	Ax 0.05	ETL- 0.2	KET12	13R
71	79	00214	510UL	0.3 103	NQI	LTS+ 43.3	510-MIZ30	13R
		00350	520HF	0.0 0	NDF	LTS+ 43.3	SPEC-INT	13R
71	81	00308	510UL	0.2 82	NQI	LTS+ 42.7	510-MIZ30	13R
		00350	520HF	0.0 0	NDF	LTS+ 42.7	SPEC-INT	13R
71	82	00214	510UL	0.4 57	NQI	LTS+ 2.8	510-MIZ30	13R
		00350	520HF	0.0 0	NDF	LTS+ 2.8	SPEC-INT	13R
71	**84**	00214	510UL	0.2 103	NQI	LTS+ 2.3	510-MIZ30	13R
		00350	520HF	0.0 0	NDF	LTS+ 2.3	SPEC-INT	13R
		00211	520HF	Cr 0.16	Ax 0.10	ETL -2.1	KET12	13R
		00211	520HF	0.4 29	VOL	ETL -2.1	KET12	13R
71	86	00214	510UL	3.9 158	DNT	LTS- 0.0	510-MIZ30	13R
71	108	00242	510UL	2.5 186	DNT	LTS+ 7.7	510-MIZ30	13R
71	125	00254	510UL	6.9 172	DNT	LTE+ 11.2	510-MIZ30	13R
		00254	510UL	0.9 87	ADI	13S+ 24.0	510-MIZ30	13R

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		00350	520HF	0.0 0	NDF	13S+ 24.0	SPEC-INT	13R
72	11	00088	510UL	0.3 107	NQI	09S- 0.5	510-MIZ30	13R
		00292	520HF	0.6 61	WAR 5	09S- 0.5	SPEC-INT	13R
72	19	00094	510UL	0.2 48	NQI	UTS+ 0.6	510-MIZ30	13R
		00292	520HF	0.0 0	NDF	UTS+ 0.6	SPEC-INT	13R
72	**21**	00292	520HF	0.5 9	VOL	15S+ 35.2	SPEC-INT	13R
		00292	520HF	Cr 0.13	Ax 0.09	15S+ 35.2	SPEC-INT	13R
		00285	540HF	0.4 2	INR	15S+ 35.6	540-MIZ30	13R
72	**29**	00380	520HF	0.0 0	NDF	11S+ 22.7	SPEC-INT	13R
		00285	540HF	0.6 63	ADI	11S+ 22.7	540-MIZ30	13R
		00285	540HF	0.2 204	INR	UTS+ 6.5	540-MIZ30	13R
		00292	520HF	0.6 20	VOL	ETL -1.1	SPEC-INT	13R
		00292	520HF	Cr 0.12	Ax 0.16	ETL -1.1	SPEC-INT	13R
72	**31**	00247	520HF	0.6 22	VOL	ETL- 0.7	KET03	13R
		00247	520HF	Cr 0.16	Ax 0.15	ETL- 0.7	KET03	13R
72	44	00130	510UL	2.5 179	DNT	UTS- 0.0	510-MIZ30	13R
72	48	00130	510UL	2.7 178	DNT	UTS+ 0.0	510-MIZ30	13R
72	**54**	00292	520HF	0.7 27	VOL	ETL -7.2	SPEC-INT	13R
		00292	520HF	Cr 0.15	Ax 0.15	ETL -7.2	SPEC-INT	13R
		00292	520HF	0.4 10	VOL	ETL -2.5	SPEC-INT	13R
		00292	520HF	Cr 0.12	Ax 0.10	ETL -2.5	SPEC-INT	13R
		00292	520HF	Cr 0.10	Ax 0.10	ETL- 0.2	SPEC-INT	13R
		00292	520HF	0.4 30	VOL	ETL- 0.2	SPEC-INT	13R
72	**57**	00131	520HF	0.4 18	VOL	ETL -7.1	KET03	13R
		00131	520HF	Cr 0.15	Ax 0.11	ETL -7.1	KET03	13R
		00131	520HF	0.6 20	VOL	ETL -6.9	KET03	13R
		00131	520HF	Cr 0.20	Ax 0.17	ETL -6.9	KET03	13R
		00131	520HF	Cr 0.15	Ax 0.11	ETL -6.7	KET03	13R
		00131	520HF	0.3 11	VOL	ETL -6.7	KET03	13R
		00049	520HF	Cr 0.18	Ax 0.17	ETL -5.7	KET03	13R
		00049	520HF	0.5 23	VOL	ETL -5.7	KET03	13R
		00314	540HF	0.4 11	ID 37	ETL -5.0	540-MIZ30	13R
		00049	520HF	0.7 19	VOL	ETL -4.7	KET03	13R
		00049	520HF	Cr 0.18	Ax 0.12	ETL -4.7	KET03	13R
		00049	520HF	0.2 12	VOL	ETL -2.8	KET03	13R
		00049	520HF	Cr 0.23	Ax 0.12	ETL -2.8	KET03	13R
		00049	520HF	0.2 38	VOL	ETL -2.5	KET03	13R
		00049	520HF	Cr 0.18	Ax 0.12	ETL -2.5	KET03	13R
		00049	520HF	Cr 0.14	Ax 0.12	ETL -2.0	KET03	13R
		00049	520HF	0.4 40	VOL	ETL -2.0	KET03	13R
		00049	520HF	0.4 24	VOL	ETL -1.5	KET03	13R
		00049	520HF	Cr 0.18	Ax 0.12	ETL -1.5	KET03	13R
72	81	00212	510UL	7.9 162	DNT	LTS+ 0.0	510-MIZ30	13R
72	82	00214	510UL	7.1 163	DNT	LTS- 0.0	510-MIZ30	13R
72	**83**	00281	540HF	0.3 5	BVC	UTS+ 5.1	540-MIZ30	13R
		00286	520HF	0.2 9	VOL	ETL -1.8	SPEC-INT	13R
		00286	520HF	Cr 0.12	Ax 0.10	ETL -1.8	SPEC-INT	13R
72	**86**	00281	540HF	2.9 159	DNT	LTS+ 0.0	540-MIZ30	13R
		00388	520HF	0.0 0	NDF	UTS+ 3.9	SPEC-INT	13R
		00281	540HF	0.5 10	ID 33	UTS+ 3.9	540-MIZ30	13R

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		00286	520HF	0.4 29	VOL	UTS+ 5.1	SPEC-INT	13R
		00286	520HF	Cr 0.18	Ax 0.16	UTS+ 5.1	SPEC-INT	13R
		00388	520HF	0.0 0	PRA	UTS+ 5.1	SPEC-INT	13R
72	109	00252	510UL	1.1 73	ADI	02S+ 24.3	510-MIZ30	13R
		00350	520HF	0.0 0	NDF	02S+ 24.3	SPEC-INT	13R
72	**124**	00286	520HF	0.5 34	VOL	ETL -2.3	SPEC-INT	13R
		00286	520HF	Cr 0.24	Ax 0.21	ETL -2.3	SPEC-INT	13R
72	125	00252	510UL	5.1 174	DNT	LTE+ 11.4	510-MIZ30	13R
72	126	00254	510UL	5.4 172	DNT	LTE+ 8.8	510-MIZ30	13R
72	128	00252	510UL	6.2 174	DNT	LTE+ 10.2	510-MIZ30	13R
72	129	00254	510UL	2.6 173	DNT	LTE+ 10.9	510-MIZ30	13R
72	**130**	00388	520HF	Cr 0.11	Ax 0.11	12S+ 8.7	SPEC-INT	13R
		00388	520HF	0.1 35	VOL	12S+ 8.7	SPEC-INT	13R
		00314	540HF	0.2 8	BVC	12S+ 10.4	540-MIZ30	13R
		00388	520HF	Cr 0.11	Ax 0.11	12S+ 10.6	SPEC-INT	13R
		00388	520HF	0.2 9	VOL	12S+ 10.6	SPEC-INT	13R
		00314	540HF	0.2 13	BVC	12S+ 16.3	540-MIZ30	13R
		00388	520HF	Cr 0.16	Ax 0.11	12S+ 16.4	SPEC-INT	13R
		00388	520HF	0.3 20	VOL	12S+ 16.4	SPEC-INT	13R
		00388	520HF	Cr 0.16	Ax 0.11	12S+ 19.6	SPEC-INT	13R
		00388	520HF	0.2 18	VOL	12S+ 19.6	SPEC-INT	13R
		00314	540HF	0.2 13	BVC	12S+ 19.7	540-MIZ30	13R
		00388	520HF	0.1 20	VOL	13S -6.9	SPEC-INT	13R
		00388	520HF	Cr 0.16	Ax 0.17	13S -6.9	SPEC-INT	13R
		00388	520HF	Cr 0.16	Ax 0.23	12S+ 22.8	SPEC-INT	13R
		00388	520HF	0.1 26	VOL	12S+ 22.8	SPEC-INT	13R
		00314	540HF	0.2 12	BVC	12S+ 22.9	540-MIZ30	13R
		00388	520HF	Cr 0.11	Ax 0.11	12S+ 23.9	SPEC-INT	13R
		00388	520HF	0.2 19	VOL	12S+ 23.9	SPEC-INT	13R
		00388	520HF	0.1 6	VOL	13S -3.3	SPEC-INT	13R
		00388	520HF	Cr 0.11	Ax 0.17	13S -3.3	SPEC-INT	13R
		00314	540HF	0.3 5	BVC	12S+ 33.7	540-MIZ30	13R
73	3	00088	510UL	0.5 107	INR	LTS- 0.2	510-MIZ30	13R
73	11	00088	510UL	0.1 68	NQI	09S- 0.5	510-MIZ30	13R
		00292	520HF	0.0 0	NDF	09S- 0.5	SPEC-INT	13R
73	18	00098	510UL	0.2 108	NQI	01S+ 36.6	510-MIZ30	13R
		00292	520HF	0.0 0	NDF	01S+ 36.6	SPEC-INT	13R
73	21	00094	510UL	0.3 69	NQI	UTS+ 0.4	510-MIZ30	13R
		00292	520HF	0.0 0	NDF	UTS+ 0.4	SPEC-INT	13R
73	25	00094	510UL	0.2 79	NQI	11S- 0.8	510-MIZ30	13R
		00292	520HF	0.0 0	NDF	11S- 0.8	SPEC-INT	13R
73	**26**	00094	510UL	0.2 89	NQI	11S- 0.8	510-MIZ30	13R
		00292	520HF	0.0 0	NDF	11S- 0.8	SPEC-INT	13R
		00099	520HF	Cr 0.15	Ax 0.11	ETL -1.0	KET06	13R
		00099	520HF	0.2 24	VOL	ETL -1.0	KET06	13R
73	28	00094	510UL	0.3 95	INR	11S+ 31.5	510-MIZ30	13R
		00094	510UL	0.7 103	INR	14S+ 22.5	510-MIZ30	13R
73	**29**	00292	520HF	0.5 26	VOL	ETL -2.0	SPEC-INT	13R
		00292	520HF	Cr 0.13	Ax 0.14	ETL -2.0	SPEC-INT	13R
		00101	520HF	0.3 19	VOL	ETL -1.8	KET12	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00101	520HF	Cr 0.20	Ax 0.16	ETL -1.8	KET12	13R
73	30	00094	510UL	0.3 63	NQI	10S- 0.9	510-MIZ30	13R
		00292	520HF	0.0 0	NDF	10S- 0.9	SPEC-INT	13R
		00094	510UL	0.2 73	NQI	11S- 0.8	510-MIZ30	13R
		00292	520HF	0.0 0	NDF	11S- 0.8	SPEC-INT	13R
73	**36**	00101	520HF	Cr 0.20	Ax 0.10	ETL- 0.2	KET12	13R
		00101	520HF	0.5 19	VOL	ETL- 0.2	KET12	13R
73	**37**	00099	520HF	0.1 34	VOL	ETL -1.4	KET12	13R
		00099	520HF	Cr 0.15	Ax 0.11	ETL -1.4	KET12	13R
73	38	00132	510UL	0.4 76	NQI	08S- 0.8	510-MIZ30	13R
		00292	520HF	0.5 62	WAR 10	08S- 0.8	SPEC-INT	13R
73	46	00130	510UL	3.0 175	DNT	UTS+ 0.0	510-MIZ30	13R
73	**49**	00247	520HF	Cr 0.10	Ax 0.10	ETL- 0.6	KET12	13R
		00247	520HF	0.6 22	VOL	ETL- 0.6	KET12	13R
73	51	00132	510UL	0.2 77	NQI	09S- 0.8	510-MIZ30	13R
		00292	520HF	0.0 0	NDF	09S- 0.8	SPEC-INT	13R
73	55	00292	520HF	1.4 81	WAR 13	08S- 0.8	SPEC-INT	13R
		00132	510UL	0.4 95	NQI	08S- 0.8	510-MIZ30	13R
73	57	00085	510UL	2.5 180	DNT	UTS+ 0.1	510-MIZ30	13R
73	58	00085	510UL	0.2 55	INR	13S+ 0.8	510-MIZ30	13R
73	59	00085	510UL	2.8 173	DNT	UTS+ 0.1	510-MIZ30	13R
73	**60**	00047	520HF	0.4 20	VOL	UTS+ 5.4	KET12	13R
		00047	520HF	Cr 0.09	Ax 0.11	UTS+ 5.4	KET12	13R
		00047	520HF	0.2 18	VOL	UTS+ 5.8	KET12	13R
		00047	520HF	Cr 0.09	Ax 0.11	UTS+ 5.8	KET12	13R
73	**66**	00047	520HF	Cr 0.18	Ax 0.18	ETL -3.8	KET12	13R
		00047	520HF	0.1 4	VOL	ETL -3.8	KET12	13R
73	80	00214	510UL	9.4 163	DNT	LTS- 0.0	510-MIZ30	13R
73	81	00044	520HF	0.0 0	NDF	LTS+ 0.0	LTS-KIDNEY	13R
		00212	510UL	19.1 167	DNT	LTS+ 0.0	510-MIZ30	13R
73	82	00214	510UL	6.2 163	DNT	LTS- 0.0	510-MIZ30	13R
		00350	520HF	0.0 0	NDF	LTS- 0.0	SPEC-INT	13R
		00214	510UL	0.3 106	NQI	LTS+ 2.8	510-MIZ30	13R
		00350	520HF	0.0 0	NDF	LTS+ 2.8	SPEC-INT	13R
73	85	00212	510UL	4.0 158	DNT	LTS- 0.1	510-MIZ30	13R
73	116	00254	510UL	5.5 173	DNT	09S+ 15.2	510-MIZ30	13R
		00350	520HF	0.0 0	NDF	09S+ 15.2	SPEC-INT	13R
73	121	00252	510UL	4.1 173	DNT	LTE+ 11.1	510-MIZ30	13R
73	**128**	00252	510UL	0.3 7	BVC	15S+ 13.6	510-MIZ30	13R
		00350	520HF	0.3 22	VOL	15S+ 13.6	SPEC-INT	13R
		00350	520HF	Cr 0.10	Ax 0.13	15S+ 13.6	SPEC-INT	13R
		00360	540HF	0.3 3	INR	15S+ 13.6	540-MIZ30	13R
73	129	00254	510UL	3.2 172	DNT	LTE+ 11.4	510-MIZ30	13R
73	130	00254	510UL	2.5 169	DNT	LTE+ 11.5	510-MIZ30	13R
		00254	510UL	0.4 96	NQI	14S+ 32.2	510-MIZ30	13R
		00350	520HF	0.0 0	NDF	14S+ 32.2	SPEC-INT	13R
74	**33**	00094	510UL	2.8 168	DNT	UTS- 0.1	510-MIZ30	13R
		00292	520HF	0.9 26	VOL	ETL- 0.1	SPEC-INT	13R
		00292	520HF	Cr 0.19	Ax 0.19	ETL- 0.1	SPEC-INT	13R
74	34	00162	510UL	2.7 171	DNT	UTS+ 0.0	510-MIZ30	13R

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74	35	00130	510UL	3.2 171	DNT	UTS+ 0.0	510-MIZ30	13R
74	**36**	00132	510UL	3.0 170	DNT	UTS+ 0.0	510-MIZ30	13R
		00292	520HF	Cr 0.13	Ax 0.10	ETL- 0.5	SPEC-INT	13R
		00292	520HF	0.7 17	VOL	ETL- 0.5	SPEC-INT	13R
		00099	520HF	Cr 0.15	Ax 0.17	ETL- 0.5	KET03	13R
		00099	520HF	0.7 22	VOL	ETL- 0.5	KET03	13R
74	37	00130	510UL	3.0 175	DNT	UTS+ 0.1	510-MIZ30	13R
74	39	00130	510UL	3.5 170	DNT	UTS+ 0.0	510-MIZ30	13R
74	40	00132	510UL	2.8 172	DNT	UTS+ 0.0	510-MIZ30	13R
74	41	00130	510UL	3.6 175	DNT	UTS+ 0.0	510-MIZ30	13R
74	42	00132	510UL	2.7 178	DNT	UTS+ 0.0	510-MIZ30	13R
74	43	00130	510UL	3.0 177	DNT	UTS- 0.0	510-MIZ30	13R
74	44	00132	510UL	3.1 172	DNT	UTS+ 0.0	510-MIZ30	13R
74	45	00130	510UL	2.9 175	DNT	UTS+ 0.0	510-MIZ30	13R
74	46	00132	510UL	2.6 178	DNT	UTS+ 0.0	510-MIZ30	13R
74	47	00130	510UL	3.1 177	DNT	UTS+ 0.0	510-MIZ30	13R
74	48	00132	510UL	6.5 175	DNT	LTE+ 10.9	510-MIZ30	13R
		00132	510UL	2.9 175	DNT	UTS- 0.0	510-MIZ30	13R
74	49	00130	510UL	2.8 179	DNT	UTS+ 0.0	510-MIZ30	13R
74	**50**	00292	520HF	Cr 0.12	Ax 0.10	15S+ 45.5	SPEC-INT	13R
		00292	520HF	0.8 33	VOL	15S+ 45.5	SPEC-INT	13R
		00291	540HF	0.1 13	BVC	15S+ 45.5	540-MIZ30	13R
		00291	540HF	3.0 171	DNT	UTS+ 0.1	540-MIZ30	13R
74	51	00130	510UL	3.2 175	DNT	UTS+ 0.0	510-MIZ30	13R
74	52	00132	510UL	3.1 172	DNT	UTS+ 0.0	510-MIZ30	13R
74	53	00130	510UL	3.3 176	DNT	UTS+ 0.0	510-MIZ30	13R
74	**54**	00334	520HF	0.0 0	NDF	UTS+ 0.1	SPEC-INT	13R
		00291	540HF	3.1 173	DNT	UTS+ 0.1	540-MIZ30	13R
		00334	520HF	Cr 0.18	Ax 0.14	UTS+ 0.2	SPEC-INT	13R
		00334	520HF	0.9 25	VOL	UTS+ 0.2	SPEC-INT	13R
		00334	520HF	1.1 29	VOL	UTS+ 3.2	SPEC-INT	13R
		00334	520HF	Cr 0.18	Ax 0.14	UTS+ 3.2	SPEC-INT	13R
		00291	540HF	0.3 18	BVC	UTS+ 3.4	540-MIZ30	13R
		00334	520HF	1.0 33	VOL	ETL- 0.3	SPEC-INT	13R
		00334	520HF	Cr 0.25	Ax 0.20	ETL- 0.3	SPEC-INT	13R
74	55	00291	540HF	2.6 174	DNT	UTS+ 0.0	540-MIZ30	13R
74	56	00130	510UL	3.5 177	DNT	UTS+ 0.0	510-MIZ30	13R
74	57	00085	510UL	2.9 178	DNT	UTS- 0.0	510-MIZ30	13R
74	58	00085	510UL	2.9 174	DNT	UTS+ 0.1	510-MIZ30	13R
74	59	00004	510UL	2.9 177	DNT	UTS+ 0.0	510-MIZ30	13R
74	60	00004	510UL	3.2 174	DNT	UTS+ 0.0	510-MIZ30	13R
74	61	00002	510UL	3.0 172	DNT	UTS+ 0.0	510-MIZ30	13R
74	70	00014	510UL	2.9 176	DNT	LTS- 0.2	510-MIZ30	13R
74	73	00214	510UL	3.9 4	INR	15S+ 26.5	510-MIZ30	13R
74	74	00281	540HF	1.7 7	INR	11S+ 31.3	540-MIZ30	13R
74	75	00214	510UL	9.9 165	DNT	LTS+ 0.0	510-MIZ30	13R
74	76	00044	520HF	0.0 0	NDF	LTS+ 0.1	LTS-KIDNEY	13R
		00212	510UL	29.4 168	DNT	LTS+ 0.1	510-MIZ30	13R
74	77	00042	520HF	0.0 0	NDF	LTS+ 0.0	LTS-KIDNEY	13R
		00214	510UL	13.5 164	DNT	LTS+ 0.0	510-MIZ30	13R

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74	78	00212	510UL	5.9 158	DNT	LTS+ 0.0	510-MIZ30	13R
74	81	00214	510UL	3.4 167	DNT	LTS- 0.1	510-MIZ30	13R
74	113	00252	510UL	1.5 75	ADI	09S+ 11.9	510-MIZ30	13R
		00350	520HF	0.0 0	NDF	09S+ 11.9	SPEC-INT	13R
74	116	00254	510UL	5.5 170	DNT	LTE+ 11.1	510-MIZ30	13R
74	119	00252	510UL	4.6 174	DNT	LTE+ 9.1	510-MIZ30	13R
74	123	00252	510UL	2.6 176	DNT	LTE+ 9.9	510-MIZ30	13R
		00252	510UL	2.7 170	DNT	LTE+ 10.7	510-MIZ30	13R
75	18	00086	510UL	0.2 107	NQI	14S- 0.8	510-MIZ30	13R
		00292	520HF	0.0 0	NDF	14S- 0.8	SPEC-INT	13R
75	20	00086	510UL	0.4 117	NQI	14S+ 12.9	510-MIZ30	13R
		00292	520HF	0.0 0	NDF	14S+ 12.9	SPEC-INT	13R
75	34	00162	510UL	0.3 107	NQI	05S- 0.8	510-MIZ30	13R
		00292	520HF	0.5 134	WAR 10	05S- 0.7	SPEC-INT	13R
		00292	520HF	1.8 85	WAR 16	05S- 0.6	SPEC-INT	13R
75	35	00162	510UL	1.0 89	INR	02S+ 22.8	510-MIZ30	13R
75	36	00132	510UL	2.9 173	DNT	UTS- 0.0	510-MIZ30	13R
75	37	00130	510UL	3.8 170	DNT	UTS+ 0.0	510-MIZ30	13R
75	38	00132	510UL	3.1 178	DNT	UTS+ 0.0	510-MIZ30	13R
75	39	00130	510UL	3.3 173	DNT	UTS+ 0.1	510-MIZ30	13R
75	40	00132	510UL	2.9 173	DNT	UTS+ 0.1	510-MIZ30	13R
75	41	00130	510UL	2.8 181	DNT	UTS+ 0.0	510-MIZ30	13R
75	42	00132	510UL	3.1 175	DNT	UTS+ 0.0	510-MIZ30	13R
75	43	00130	510UL	2.7 175	DNT	UTS+ 0.0	510-MIZ30	13R
75	44	00132	510UL	3.0 178	DNT	UTS- 0.1	510-MIZ30	13R
75	45	00130	510UL	3.1 180	DNT	UTS+ 0.0	510-MIZ30	13R
75	46	00132	510UL	0.2 53	NQI	05S- 0.8	510-MIZ30	13R
		00292	520HF	0.6 77	WAR 11	05S- 0.7	SPEC-INT	13R
		00132	510UL	3.0 174	DNT	UTS- 0.1	510-MIZ30	13R
75	47	00130	510UL	6.5 175	DNT	LTE+ 10.7	510-MIZ30	13R
		00130	510UL	3.3 174	DNT	UTS+ 0.0	510-MIZ30	13R
75	49	00130	510UL	5.9 178	DNT	LTE+ 10.6	510-MIZ30	13R
		00130	510UL	3.6 173	DNT	UTS+ 0.0	510-MIZ30	13R
75	51	00132	510UL	3.8 170	DNT	UTS+ 0.1	510-MIZ30	13R
75	52	00130	510UL	3.9 176	DNT	UTS+ 0.0	510-MIZ30	13R
75	53	00132	510UL	3.4 175	DNT	UTS+ 0.0	510-MIZ30	13R
75	54	00130	510UL	3.1 182	DNT	UTS+ 0.0	510-MIZ30	13R
75	55	00132	510UL	3.0 177	DNT	UTS+ 0.0	510-MIZ30	13R
75	56	00130	510UL	3.4 180	DNT	UTS+ 0.1	510-MIZ30	13R
75	57	00085	510UL	3.3 180	DNT	UTS+ 0.1	510-MIZ30	13R
75	58	00085	510UL	3.8 176	DNT	UTS+ 0.0	510-MIZ30	13R
75	59	00085	510UL	3.1 180	DNT	UTS+ 0.1	510-MIZ30	13R
75	**60**	00085	510UL	3.6 182	DNT	UTS+ 0.1	510-MIZ30	13R
		00047	520HF	Cr 0.13	Ax 0.12	ETL -3.8	KET12	13R
		00047	520HF	0.3 16	VOL	ETL -3.8	KET12	13R
75	61	00004	510UL	3.6 175	DNT	UTS+ 0.0	510-MIZ30	13R
75	62	00004	510UL	5.1 175	DNT	UTS- 0.1	510-MIZ30	13R
		00050	520HF	0.0 0	NDF	UTS- 0.1	SPEC-INT	13R
		00047	520HF	0.0 0	NDF	UTS- 0.1	KET12	13R
75	63	00002	510UL	3.5 176	DNT	UTS+ 0.0	510-MIZ30	13R

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75	*65*	*00047*	*520HF*	*2.7 35*	*SCI*	*UTS+ 0.4*	*KET03*	*13R*
		00047	*520HF*	*2.7 35*	*NT 79*	*UTS+ 0.4*	*KET03*	*13R*
		00047	*520HF*	*0.2 33*	*ARC*	*UTS+ 0.4*	*KET03*	*13R*
		00131	*520HF*	*2.8 28*	*PID*	*UTS+ 0.4*	*KET03*	*13R*
75	69	00014	510UL	5.8 171	DNT	LTS- 0.0	510-MIZ30	13R
75	70	00016	510UL	14.1 166	DNT	LTS+ 0.0	510-MIZ30	13R
75	71	00014	510UL	3.1 187	DNT	LTS- 0.2	510-MIZ30	13R
75	75	00214	510UL	4.3 172	DNT	LTS- 0.1	510-MIZ30	13R
75	76	00044	520HF	0.0 0	NDF	LTS+ 0.0	LTS-KIDNEY	13R
		00212	510UL	16.8 166	DNT	LTS+ 0.0	510-MIZ30	13R
75	77	00042	520HF	0.0 0	NDF	LTS+ 0.0	LTS-KIDNEY	13R
		00214	510UL	16.4 166	DNT	LTS+ 0.0	510-MIZ30	13R
75	78	00212	510UL	6.4 161	DNT	LTS+ 0.0	510-MIZ30	13R
75	79	00214	510UL	4.2 163	DNT	LTS- 0.1	510-MIZ30	13R
		00214	510UL	1.4 79	ADI	01S+ 17.9	510-MIZ30	13R
		00350	520HF	0.0 0	NDF	01S+ 17.9	SPEC-INT	13R
75	**81**	00350	520HF	Cr 0.20	Ax 0.19	15S+ 35.5	SPEC-INT	13R
		00350	520HF	0.3 27	VOL	15S+ 35.5	SPEC-INT	13R
		00281	540HF	0.5 7	ID 23	15S+ 35.5	540-MIZ30	13R
75	101	00254	510UL	6.8 177	DNT	11S+ 4.0	510-MIZ30	13R
		00350	520HF	0.0 0	NDF	11S+ 4.0	SPEC-INT	13R
75	112	00252	510UL	0.6 90	ADI	14S+ 18.5	510-MIZ30	13R
		00350	520HF	0.0 0	NDF	14S+ 18.5	SPEC-INT	13R
75	117	00254	510UL	4.8 174	DNT	LTE+ 11.1	510-MIZ30	13R
		00254	510UL	0.3 58	NQI	10S+ 0.3	510-MIZ30	13R
		00350	520HF	0.0 0	NDF	10S+ 0.3	SPEC-INT	13R
75	118	00254	510UL	3.5 154	DNT	LTE+ 9.5	510-MIZ30	13R
		00254	510UL	5.8 157	DNT	LTE+ 10.9	510-MIZ30	13R
75	122	00281	540HF	3.0 174	DNT	LTE+ 10.8	540-MIZ30	13R
75	**123**	00400	520HF	0.0 0	PRA	15S+ 20.5	SPEC-INT	13R
		00388	520HF	0.4 25	VOL	15S+ 20.5	SPEC-INT	13R
		00388	520HF	Cr 0.16	Ax 0.11	15S+ 20.5	SPEC-INT	13R
		00281	540HF	0.4 6	ID 20	15S+ 21.8	540-MIZ30	13R
		00388	520HF	Cr 0.16	Ax 0.17	15S+ 21.9	SPEC-INT	13R
		00388	520HF	0.2 18	VOL	15S+ 21.9	SPEC-INT	13R
		00396	520HF	0.3 10	VOL	UTS -28.8	SPEC-INT	13R
		00396	520HF	Cr 0.15	Ax 0.12	UTS -28.8	SPEC-INT	13R
		00400	520HF	Cr 0.15	Ax 0.11	15S+ 24.8	SPEC-INT	13R
		00400	520HF	0.4 22	VOL	15S+ 24.8	SPEC-INT	13R
		00396	520HF	0.7 9	VOL	UTS -24.6	SPEC-INT	13R
		00396	520HF	Cr 0.29	Ax 0.18	UTS -24.6	SPEC-INT	13R
		00281	540HF	3.8 171	DNT	15S+ 33.1	540-MIZ30	13R
75	125	00254	510UL	6.2 172	DNT	LTE+ 11.5	510-MIZ30	13R
76	68	00014	510UL	5.0 165	DNT	LTS- 0.1	510-MIZ30	13R
76	69	00024	520HF	0.0 0	NDF	LTS+ 0.0	LTS-KIDNEY	13R
		00016	510UL	19.3 166	DNT	LTS+ 0.0	510-MIZ30	13R
76	70	00014	510UL	10.1 169	DNT	LTS+ 0.0	510-MIZ30	13R
76	76	00212	510UL	4.4 158	DNT	LTS+ 0.0	510-MIZ30	13R
76	77	00214	510UL	3.3 157	DNT	LTS+ 0.0	510-MIZ30	13R
76	81	00214	510UL	2.8 149	DNT	LTS+ 0.0	510-MIZ30	13R

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76	***94***	*00388*	*520HF*	*0.5 16*	*VOL*	*UTS+ 2.6*	*SPEC-INT*	*13R*
		00388	*520HF*	*Cr 0.27*	*Ax 0.18*	*UTS+ 2.6*	*SPEC-INT*	*13R*
		00252	*510UL*	*0.8 13*	*ID 43*	*UTS+ 2.7*	*510-MIZ30*	*13R*
		00360	*540HF*	*0.7 13*	*ID 43*	*UTS+ 2.9*	*540-MIZ30*	*13R*
76	116	00254	510UL	5.6 173	DNT	LTE+ 11.0	510-MIZ30	13R
76	122	00252	510UL	1.9 77	ADI	02S+ 13.8	510-MIZ30	13R
		00350	520HF	0.0 0	NDF	02S+ 13.8	SPEC-INT	13R
		00360	540HF	1.0 97	INR	02S+ 13.8	540-MIZ30	13R
		00252	510UL	0.5 6	ID 20	15S+ 7.1	510-MIZ30	13R
		00360	540HF	0.6 358	INR	15S+ 7.3	540-MIZ30	13R
76	123	00252	510UL	3.8 180	DNT	LTE+ 10.9	510-MIZ30	13R
77	32	00162	510UL	6.0 176	DNT	LTE+ 7.3	510-MIZ30	13R
77	33	00162	510UL	7.8 178	DNT	LTE+ 7.0	510-MIZ30	13R
77	37	00297	540HF	0.4 100	NQI	07S- 0.7	540-MIZ30	13R
		00378	520HF	0.9 72	WAR 6	07S- 0.6	SPEC-INT	13R
		00297	540HF	2.7 180	DNT	UTS+ 0.1	540-MIZ30	13R
77	38	00230	510UL	2.5 184	DNT	UTS+ 0.0	510-MIZ30	13R
77	41	00232	510UL	2.7 179	DNT	UTS+ 0.0	510-MIZ30	13R
77	43	00232	510UL	2.7 182	DNT	UTS+ 0.0	510-MIZ30	13R
77	**44**	00230	510UL	3.1 179	DNT	UTS+ 0.0	510-MIZ30	13R
		00327	520HF	0.0 0	NDF	UTS+ 0.0	SPEC-INT	13R
		00327	520HF	0.2 25	VOL	ETL- 0.7	SPEC-INT	13R
		00327	520HF	Cr 0.15	Ax 0.16	ETL- 0.7	SPEC-INT	13R
77	45	00232	510UL	3.2 180	DNT	UTS+ 0.1	510-MIZ30	13R
77	**47**	00230	510UL	3.2 179	DNT	UTS+ 0.1	510-MIZ30	13R
		00327	520HF	0.0 0	NDF	UTS+ 0.1	SPEC-INT	13R
		00327	520HF	Cr 0.23	Ax 0.11	ETL -6.9	SPEC-INT	13R
		00327	520HF	0.3 22	VOL	ETL -6.9	SPEC-INT	13R
		00327	520HF	0.8 31	VOL	ETL -6.5	SPEC-INT	13R
		00327	520HF	Cr 0.25	Ax 0.13	ETL -6.5	SPEC-INT	13R
		00327	520HF	0.2 23	VOL	ETL -6.1	SPEC-INT	13R
		00327	520HF	Cr 0.30	Ax 0.15	ETL -6.1	SPEC-INT	13R
77	49	00232	510UL	2.9 179	DNT	UTS+ 0.0	510-MIZ30	13R
77	50	00230	510UL	2.7 180	DNT	UTS+ 0.0	510-MIZ30	13R
77	51	00232	510UL	4.3 175	DNT	UTS+ 0.0	510-MIZ30	13R
		00380	520HF	0.0 0	NDF	UTS+ 0.0	SPEC-INT	13R
77	53	00230	510UL	3.8 180	DNT	UTS+ 0.1	510-MIZ30	13R
77	**54**	00230	510UL	4.6 174	DNT	UTS+ 0.0	510-MIZ30	13R
		00344	520HF	0.0 0	NDF	UTS+ 0.0	SPEC-INT	13R
		00225	520HF	0.4 21	VOL	ETL- 0.1	SPEC-INT	13R
		00225	520HF	Cr 0.26	Ax 0.15	ETL- 0.1	SPEC-INT	13R
77	55	00232	510UL	3.5 180	DNT	UTS+ 0.0	510-MIZ30	13R
77	**56**	00297	540HF	3.3 174	DNT	UTS+ 0.0	540-MIZ30	13R
		00297	540HF	0.4 8	ID 27	UTS+ 6.2	540-MIZ30	13R
		00225	520HF	0.6 30	VOL	ETL -1.5	SPEC-INT	13R
		00225	520HF	Cr 0.18	Ax 0.15	ETL -1.5	SPEC-INT	13R
77	57	00085	510UL	3.8 178	DNT	UTS+ 0.0	510-MIZ30	13R
77	58	00085	510UL	3.1 182	DNT	UTS+ 0.1	510-MIZ30	13R
77	59	00085	510UL	3.5 182	DNT	UTS+ 0.1	510-MIZ30	13R
77	60	00016	510UL	3.4 180	DNT	UTS+ 0.0	510-MIZ30	13R

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77	62	00008	510UL	3.8 172	DNT	UTS- 0.1	510-MIZ30	13R
77	69	00024	520HF	0.0 0	NDF	LTS+ 0.0	LTS-KIDNEY	13R
		00014	510UL	24.7 168	DNT	LTS+ 0.0	510-MIZ30	13R
77	70	00024	520HF	0.0 0	NDF	LTS+ 0.0	LTS-KIDNEY	13R
		00016	510UL	19.8 167	DNT	LTS+ 0.0	510-MIZ30	13R
77	71	00014	510UL	5.4 183	DNT	LTS- 0.2	510-MIZ30	13R
77	**74**	00302	520HF	Cr 0.11	Ax 0.10	ETL- 0.5	SPEC-INT	13R
		00302	520HF	0.3 9	VOL	ETL- 0.5	SPEC-INT	13R
77	**96**	00317	540HF	0.5 10	ID 33	UTS+ 6.5	540-MIZ30	13R
		00302	520HF	Cr 0.17	Ax 0.15	ETL- 0.8	SPEC-INT	13R
		00302	520HF	0.5 32	VOL	ETL- 0.8	SPEC-INT	13R
77	117	00112	510UL	5.3 175	DNT	LTE+ 10.4	510-MIZ30	13R
		00112	510UL	0.3 97	INR	10S+ 0.5	510-MIZ30	13R
77	119	00110	510UL	7.3 175	DNT	LTE+ 10.3	510-MIZ30	13R
77	121	00110	510UL	2.5 171	DNT	LTE+ 9.7	510-MIZ30	13R
		00336	520HF	0.0 0	NDF	LTE+ 9.7	SPEC-INT	13R
		00110	510UL	0.6 93	NQI	LTE+ 13.9	510-MIZ30	13R
		00312	520HF	0.0 0	NDF	LTE+ 13.9	SPEC-INT	13R
		00336	520HF	0.0 0	NDF	LTE+ 13.9	SPEC-INT	13R
77	122	00372	510UL	6.6 175	DNT	LTE+ 10.9	510-MIZ30	13R
77	123	00110	510UL	7.4 173	DNT	LTE+ 10.9	510-MIZ30	13R
77	**124**	00312	520HF	Cr 0.22	Ax 0.22	ETL -3.5	SPEC-INT	13R
		00312	520HF	2.2 28	VOL	ETL -3.5	SPEC-INT	13R
		00312	520HF	0.0 0	NDF	ETL -2.7	SPEC-INT	13R
77	**126**	00312	520HF	Cr 0.17	Ax 0.20	15S+ 10.3	SPEC-INT	13R
		00312	520HF	0.7 20	VOL	15S+ 10.3	SPEC-INT	13R
		00317	540HF	0.3 3	INR	15S+ 10.3	540-MIZ30	13R
		00312	520HF	Cr 0.22	Ax 0.15	15S+ 18.0	SPEC-INT	13R
		00312	520HF	0.3 15	VOL	15S+ 18.0	SPEC-INT	13R
		00317	540HF	0.3 1	INR	15S+ 18.1	540-MIZ30	13R
		00312	520HF	0.7 20	VOL	15S+ 18.4	SPEC-INT	13R
		00312	520HF	Cr 0.22	Ax 0.15	15S+ 18.4	SPEC-INT	13R
		00317	540HF	0.5 4	INR	15S+ 18.5	540-MIZ30	13R
78	2	00088	510UL	4.7 172	DNT	LTE+ 10.7	510-MIZ30	13R
78	30	00280	510UL	3.1 171	DNT	UTS+ 0.0	510-MIZ30	13R
78	33	00282	510UL	8.0 177	DNT	LTE+ 6.4	510-MIZ30	13R
		00282	510UL	3.3 175	DNT	UTS+ 0.1	510-MIZ30	13R
78	34	00280	510UL	0.5 72	NQI	10S- 0.8	510-MIZ30	13R
		00344	520HF	0.6 0	WAR 11	10S- 0.7	SPEC-INT	13R
78	35	00297	540HF	0.1 11	INR	12S+ 30.3	540-MIZ30	13R
		00297	540HF	0.8 103	INR	13S+ 6.9	540-MIZ30	13R
		00297	540HF	3.1 174	DNT	UTS+ 0.0	540-MIZ30	13R
78	37	00230	510UL	2.7 173	DNT	UTS+ 0.0	510-MIZ30	13R
78	39	00230	510UL	3.0 168	DNT	UTS+ 0.0	510-MIZ30	13R
78	40	00232	510UL	2.8 174	DNT	UTS+ 0.0	510-MIZ30	13R
78	41	00230	510UL	2.6 171	DNT	UTS+ 0.0	510-MIZ30	13R
78	42	00232	510UL	2.7 175	DNT	UTS+ 0.0	510-MIZ30	13R
78	43	00230	510UL	2.5 177	DNT	UTS+ 0.0	510-MIZ30	13R
78	44	00232	510UL	2.6 177	DNT	UTS+ 0.0	510-MIZ30	13R
78	45	00230	510UL	2.9 175	DNT	UTS+ 0.0	510-MIZ30	13R

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78	46	00232	510UL	3.0 175	DNT	UTS+ 0.0	510-MIZ30	13R
78	**47**	00230	510UL	3.2 173	DNT	UTS+ 0.0	510-MIZ30	13R
		00227	520HF	Cr 0.12	Ax 0.09	ETL -1.0	KET03	13R
		00227	520HF	0.3 42	VOL	ETL -1.0	KET03	13R
78	48	00232	510UL	3.1 173	DNT	UTS+ 0.1	510-MIZ30	13R
78	*49*	*00230*	*510UL*	*2.8 175*	*DNT*	*UTS- 0.0*	*510-MIZ30*	*13R*
		00398	*520HF*	*0.2 24*	*PID*	*ETL- 0.7*	*KET12*	*13R*
		00227	*520HF*	*0.2 20*	*VOL*	*ETL- 0.7*	*KET12*	*13R*
		00227	*520HF*	*Cr 0.18*	*Ax 0.13*	*ETL- 0.7*	*KET12*	*13R*
78	*50*	*00232*	*510UL*	*3.1 174*	*DNT*	*UTS+ 0.0*	*510-MIZ30*	*13R*
78	51	00230	510UL	3.6 168	DNT	UTS+ 0.0	510-MIZ30	13R
78	52	00232	510UL	2.7 180	DNT	UTS+ 0.0	510-MIZ30	13R
78	53	00230	510UL	3.3 172	DNT	UTS+ 0.0	510-MIZ30	13R
78	54	00232	510UL	3.4 176	DNT	UTS+ 0.0	510-MIZ30	13R
78	55	00230	510UL	3.1 175	DNT	UTS+ 0.0	510-MIZ30	13R
78	57	00085	510UL	3.2 177	DNT	UTS+ 0.1	510-MIZ30	13R
78	**58**	00314	540HF	2.6 175	DNT	UTS+ 0.0	540-MIZ30	13R
		00314	540HF	0.6 6	ID 20	UTS+ 5.3	540-MIZ30	13R
		00400	520HF	0.4 27	VOL	UTS+ 5.6	SPEC-INT	13R
		00400	520HF	Cr 0.15	Ax 0.16	UTS+ 5.6	KET12	13R
		00400	520HF	0.0 0	PRA	ETL -1.9	KET12	13R
		00049	520HF	Cr 0.19	Ax 0.17	ETL -1.9	KET12	13R
		00049	520HF	0.5 20	VOL	ETL -1.9	KET12	13R
78	60	00016	510UL	2.9 170	DNT	UTS+ 0.0	510-MIZ30	13R
78	61	00016	510UL	2.9 174	DNT	UTS+ 0.0	510-MIZ30	13R
78	68	00016	510UL	0.5 5	ID 17	04S+ 28.3	510-MIZ30	13R
		00080	540HF	0.6 1	INR	04S+ 28.3	540-MIZ30	13R
78	69	00024	520HF	0.0 0	NDF	LTS- 0.0	LTS-KIDNEY	13R
		00014	510UL	17.8 167	DNT	LTS- 0.0	510-MIZ30	13R
78	70	00016	510UL	13.9 166	DNT	LTS+ 0.0	510-MIZ30	13R
78	71	00014	510UL	7.7 171	DNT	LTS- 0.0	510-MIZ30	13R
78	76	00320	510UL	0.6 119	INR	10S+ 31.9	510-MIZ30	13R
78	**90**	00317	540HF	0.6 5	ID 17	UTS+ 5.2	540-MIZ30	13R
		00386	520HF	0.4 23	VOL	UTS+ 5.5	SPEC-INT	13R
		00386	520HF	Cr 0.10	Ax 0.15	UTS+ 5.5	SPEC-INT	13R
78	**92**	00161	520HF	Cr 0.16	Ax 0.18	ETL- 0.1	KET12	13R
		00161	520HF	0.6 15	VOL	ETL- 0.1	KET12	13R
78	118	00112	510UL	5.8 177	DNT	LTE+ 10.5	510-MIZ30	13R
78	119	00110	510UL	8.2 173	DNT	LTE+ 10.9	510-MIZ30	13R
78	121	00110	510UL	3.0 172	DNT	LTE+ 9.4	510-MIZ30	13R
78	122	00112	510UL	6.4 175	DNT	LTE+ 10.4	510-MIZ30	13R
78	125	00110	510UL	3.7 175	DNT	LTE+ 10.2	510-MIZ30	13R
		00110	510UL	0.2 100	NQI	11S+ 0.6	510-MIZ30	13R
		00306	520HF	1.3 0	WAR 18	11S+ 0.6	SPEC-INT	13R
		00110	510UL	0.3 88	NQI	15S- 0.1	510-MIZ30	13R
		00306	520HF	0.0 0	NDF	15S- 0.1	SPEC-INT	13R
79	2	00088	510UL	8.0 175	DNT	LTE+ 5.1	510-MIZ30	13R
		00088	510UL	3.4 172	DNT	LTE+ 10.6	510-MIZ30	13R
79	**20**	00297	540HF	0.2 189	INR	UTS+ 4.8	540-MIZ30	13R
		00297	540HF	0.3 17	BVC	UTS+ 5.4	540-MIZ30	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00297	540HF	0.3 12	BVC	UTS+ 6.7	540-MIZ30	13R
		00225	520HF	0.0 0	INF	ETL -1.7	KET03	13R
		00225	520HF	Cr 0.20	Ax 0.18	ETL- 0.8	SPEC-INT	13R
		00225	520HF	0.2 21	VOL	ETL- 0.8	SPEC-INT	13R
79	22	00282	510UL	2.7 173	DNT	LTE+ 10.7	510-MIZ30	13R
79	**24**	00297	540HF	0.3 7	BVC	UTS+ 2.1	540-MIZ30	13R
		00327	520HF	0.5 22	VOL	ETL -5.4	SPEC-INT	13R
		00327	520HF	Cr 0.20	Ax 0.14	ETL -5.4	SPEC-INT	13R
79	25	00282	510UL	2.9 172	DNT	UTS+ 0.0	510-MIZ30	13R
79	**26**	00297	540HF	0.4 15	BVC	UTS+ 5.1	540-MIZ30	13R
		00327	520HF	Cr 0.20	Ax 0.14	ETL -2.3	SPEC-INT	13R
		00327	520HF	1.1 26	VOL	ETL -2.3	SPEC-INT	13R
79	27	00282	510UL	2.8 173	DNT	UTS+ 0.0	510-MIZ30	13R
79	28	00282	510UL	2.7 173	DNT	UTS+ 0.0	510-MIZ30	13R
79	30	00282	510UL	2.7 172	DNT	UTS+ 0.0	510-MIZ30	13R
79	32	00282	510UL	8.5 175	DNT	LTE+ 6.6	510-MIZ30	13R
		00282	510UL	0.3 70	NQI	13S- 0.8	510-MIZ30	13R
		00344	520HF	0.5 0	WAR 13	13S- 0.8	SPEC-INT	13R
		00282	510UL	3.5 170	DNT	UTS+ 0.1	510-MIZ30	13R
79	33	00280	510UL	6.9 177	DNT	LTE+ 6.9	510-MIZ30	13R
		00280	510UL	0.4 119	NQI	15S+ 40.6	510-MIZ30	13R
		00344	520HF	0.0 0	NDF	15S+ 40.6	SPEC-INT	13R
		00280	510UL	2.9 170	DNT	UTS+ 0.0	510-MIZ30	13R
79	34	00282	510UL	0.2 56	NQI	11S- 0.8	510-MIZ30	13R
		00344	520HF	0.0 0	NDF	11S- 0.8	SPEC-INT	13R
		00282	510UL	3.0 169	DNT	UTS+ 0.0	510-MIZ30	13R
79	37	00230	510UL	2.6 167	DNT	UTS+ 0.0	510-MIZ30	13R
79	38	00232	510UL	0.4 70	NQI	11S- 0.8	510-MIZ30	13R
		00344	520HF	0.0 0	NDF	11S- 0.8	SPEC-INT	13R
79	**40**	00232	510UL	2.6 169	DNT	UTS+ 0.0	510-MIZ30	13R
		00327	520HF	0.2 8	VOL	ETL -3.6	SPEC-INT	13R
		00327	520HF	Cr 0.15	Ax 0.14	ETL -3.6	SPEC-INT	13R
		00327	520HF	Cr 0.24	Ax 0.21	ETL -1.4	SPEC-INT	13R
		00327	520HF	0.2 17	VOL	ETL -1.4	SPEC-INT	13R
79	**41**	00230	510UL	0.3 77	NQI	11S- 0.8	510-MIZ30	13R
		00378	520HF	0.3 54	WAR 2	11S- 0.8	SPEC-INT	13R
		00327	520HF	0.4 29	VOL	ETL- 0.9	SPEC-INT	13R
		00327	520HF	Cr 0.17	Ax 0.21	ETL- 0.9	SPEC-INT	13R
79	43	00230	510UL	2.5 173	DNT	UTS+ 0.0	510-MIZ30	13R
79	44	00232	510UL	2.6 175	DNT	UTS+ 0.0	510-MIZ30	13R
79	**47**	00230	510UL	2.7 172	DNT	UTS+ 0.0	510-MIZ30	13R
		00327	520HF	0.0 0	NDF	UTS+ 0.0	SPEC-INT	13R
		00327	520HF	0.2 31	VOL	ETL -5.1	SPEC-INT	13R
		00327	520HF	Cr 0.20	Ax 0.14	ETL -5.1	SPEC-INT	13R
		00327	520HF	Cr 0.20	Ax 0.14	ETL -4.3	SPEC-INT	13R
		00327	520HF	0.6 25	VOL	ETL -4.3	SPEC-INT	13R
79	52	00232	510UL	2.6 172	DNT	UTS+ 0.0	510-MIZ30	13R
79	53	00230	510UL	2.5 166	DNT	UTS- 0.0	510-MIZ30	13R
79	55	00230	510UL	1.1 184	INR	LTE+ 1.5	510-MIZ30	13R
79	57	00085	510UL	2.7 179	DNT	UTS+ 0.1	510-MIZ30	13R

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79	**59**	00050	520HF	Cr 0.16	Ax 0.12	ETL- 0.1	SPEC-INT	13R
		00050	520HF	0.5 19	VOL	ETL- 0.1	SPEC-INT	13R
79	60	00016	510UL	2.5 175	DNT	UTS+ 0.0	510-MIZ30	13R
79	66	00008	510UL	2.7 179	DNT	UTS- 0.2	510-MIZ30	13R
79	72	00016	510UL	9.4 166	DNT	LTS- 0.0	510-MIZ30	13R
79	73	00022	520HF	0.0 0	NDF	LTS+ 0.0	LTS-KIDNEY	13R
		00014	510UL	24.6 169	DNT	LTS+ 0.0	510-MIZ30	13R
79	74	00016	510UL	17.8 167	DNT	LTS+ 0.0	510-MIZ30	13R
		00024	520HF	0.0 0	NDF	LTS+ 0.0	LTS-KIDNEY	13R
79	75	00014	510UL	2.9 179	DNT	LTS- 0.1	510-MIZ30	13R
79	77	00320	510UL	2.8 175	DNT	LTS- 0.1	510-MIZ30	13R
79	78	00354	540HF	3.1 166	DNT	LTS- 0.1	540-MIZ30	13R
		00352	510UL	2.8 155	DNT	LTS- 0.1	510-MIZ30	13R
		00320	510UL	2.5 175	DNT	LTS+ 0.0	510-MIZ30	13R
79	82	00320	510UL	0.2 91	NQI	11S+ 19.0	510-MIZ30	13R
		00386	520HF	0.0 0	NDF	11S+ 19.0	SPEC-INT	13R
79	84	00320	510UL	0.5 97	INR	02S+ 27.6	510-MIZ30	13R
79	88	00320	510UL	0.2 113	NQI	14S+ 26.8	510-MIZ30	13R
		00386	520HF	0.0 0	NDF	14S+ 26.8	SPEC-INT	13R
79	123	00110	510UL	4.2 175	DNT	LTE+ 9.2	510-MIZ30	13R
79	124	00112	510UL	5.9 175	DNT	LTE+ 8.7	510-MIZ30	13R
79	**130**	00317	540HF	2.7 172	DNT	LTE+ 10.4	540-MIZ30	13R
		00306	520HF	0.2 23	VOL	UTS -3.8	SPEC-INT	13R
		00306	520HF	Cr 0.11	Ax 0.10	UTS -3.8	SPEC-INT	13R
		00306	520HF	Cr 0.17	Ax 0.15	UTS- 0.6	SPEC-INT	13R
		00306	520HF	0.5 9	VOL	UTS- 0.6	SPEC-INT	13R
		00306	520HF	0.7 20	VOL	UTS- 0.2	SPEC-INT	13R
		00306	520HF	Cr 0.17	Ax 0.15	UTS- 0.2	SPEC-INT	13R
		00306	520HF	Cr 0.17	Ax 0.15	UTS+ 0.2	SPEC-INT	13R
		00306	520HF	0.8 25	VOL	UTS+ 0.2	SPEC-INT	13R
		00306	520HF	1.3 19	VOL	UTS+ 0.7	SPEC-INT	13R
		00306	520HF	Cr 0.22	Ax 0.15	UTS+ 0.7	SPEC-INT	13R
		00317	540HF	0.2 10	BVC	UTS+ 0.7	540-MIZ30	13R
		00306	520HF	Cr 0.17	Ax 0.10	UTS+ 5.2	SPEC-INT	13R
		00306	520HF	0.3 7	VOL	UTS+ 5.2	SPEC-INT	13R
		00306	520HF	0.8 17	VOL	UTS+ 5.4	SPEC-INT	13R
		00306	520HF	Cr 0.17	Ax 0.10	UTS+ 5.4	SPEC-INT	13R
		00306	520HF	Cr 0.17	Ax 0.10	UTS+ 5.5	SPEC-INT	13R
		00306	520HF	0.6 10	VOL	UTS+ 5.5	SPEC-INT	13R
		00317	540HF	0.3 14	BVC	UTS+ 5.7	540-MIZ30	13R
		00306	520HF	Cr 0.17	Ax 0.15	UTS+ 6.5	SPEC-INT	13R
		00306	520HF	0.4 13	VOL	UTS+ 6.5	SPEC-INT	13R
		00306	520HF	0.2 13	VOL	UTS+ 7.1	SPEC-INT	13R
		00306	520HF	Cr 0.11	Ax 0.10	UTS+ 7.1	SPEC-INT	13R
80	16	00282	510UL	0.2 95	NQI	15S+ 39.0	510-MIZ30	13R
		00344	520HF	0.0 0	NDF	15S+ 39.0	SPEC-INT	13R
		00282	510UL	0.2 123	NQI	15S+ 39.6	510-MIZ30	13R
		00344	520HF	0.0 0	NDF	15S+ 39.6	SPEC-INT	13R
80	20	00282	510UL	0.4 95	NQI	15S+ 38.8	510-MIZ30	13R
		00344	520HF	0.0 0	NDF	15S+ 38.8	SPEC-INT	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
80	**21**	00280	510UL	0.1 92	NQI	15S+ 38.3	510-MIZ30	13R
		00344	520HF	0.0 0	NDF	15S+ 38.3	SPEC-INT	13R
		00225	520HF	0.6 30	VOL	ETL- 0.7	KET12	13R
		00225	520HF	Cr 0.13	Ax 0.14	ETL- 0.7	KET12	13R
80	**26**	00282	510UL	5.6 176	DNT	01S+ 2.0	510-MIZ30	13R
		00344	520HF	0.0 0	NDF	01S+ 2.0	SPEC-INT	13R
		00282	510UL	0.3 111	NQI	15S+ 38.5	510-MIZ30	13R
		00344	520HF	0.0 0	NDF	15S+ 38.5	SPEC-INT	13R
		00227	520HF	0.4 23	VOL	ETL -1.0	KET12	13R
		00227	520HF	Cr 0.19	Ax 0.12	ETL -1.0	KET12	13R
80	28	00378	520HF	0.1 58	INR	ETL -8.1	SPEC-INT	13R
80	**30**	00327	520HF	Cr 0.19	Ax 0.14	ETL -7.3	SPEC-INT	13R
		00327	520HF	0.5 24	VOL	ETL -7.3	SPEC-INT	13R
		00327	520HF	Cr 0.19	Ax 0.14	ETL -4.2	SPEC-INT	13R
		00327	520HF	0.5 37	VOL	ETL -4.2	SPEC-INT	13R
80	33	00280	510UL	0.1 85	NQI	10S+ 0.2	510-MIZ30	13R
		00344	520HF	0.0 0	NDF	10S+ 0.2	SPEC-INT	13R
80	**34**	00280	510UL	0.2 57	NQI	10S+ 0.3	510-MIZ30	13R
		00344	520HF	0.0 0	NDF	10S+ 0.3	SPEC-INT	13R
		00227	520HF	0.3 37	VOL	ETL- 0.8	KET12	13R
		00227	520HF	Cr 0.19	Ax 0.12	ETL- 0.8	KET12	13R
80	**46**	00227	520HF	0.2 37	VOL	ETL -1.3	KET12	13R
		00227	520HF	Cr 0.13	Ax 0.08	ETL -1.3	KET12	13R
		00227	520HF	0.2 20	VOL	ETL -1.0	KET12	13R
		00227	520HF	Cr 0.19	Ax 0.12	ETL -1.0	KET12	13R
		00227	520HF	0.1 14	VOL	ETL- 0.9	KET12	13R
		00227	520HF	Cr 0.19	Ax 0.16	ETL- 0.9	KET12	13R
80	**49**	00225	520HF	Cr 0.13	Ax 0.09	ETL -1.4	KET06	13R
		00225	520HF	0.2 27	VOL	ETL -1.4	KET06	13R
80	**56**	00111	520HF	0.2 20	VOL	ETL -1.0	KET12	13R
		00111	520HF	Cr 0.10	Ax 0.11	ETL -1.0	KET12	13R
		00111	520HF	Cr 0.10	Ax 0.06	ETL- 0.3	KET12	13R
		00111	520HF	0.3 19	VOL	ETL- 0.3	KET12	13R
80	**58**	00111	520HF	0.8 24	VOL	ETL- 0.4	KET12	13R
		00111	520HF	Cr 0.15	Ax 0.11	ETL- 0.4	KET12	13R
80	**62**	00131	520HF	Cr 0.15	Ax 0.17	UTS -10.8	SPEC-INT	13R
		00131	520HF	0.5 12	VOL	UTS -10.8	SPEC-INT	13R
80	63	00008	510UL	2.7 11	INR	LTE+ 2.0	510-MIZ30	13R
80	65	00008	510UL	0.2 76	NQI	07S+ 8.5	510-MIZ30	13R
		00050	520HF	0.0 0	NDF	07S+ 8.5	SPEC-INT	13R
80	74	00014	510UL	9.4 165	DNT	LTS+ 0.0	510-MIZ30	13R
80	75	00016	510UL	4.6 165	DNT	LTS+ 0.0	510-MIZ30	13R
		00016	510UL	1.3 4	INR	15S+ 16.8	510-MIZ30	13R
80	76	00014	510UL	3.3 178	DNT	LTS- 0.1	510-MIZ30	13R
80	**78**	00159	520HF	Cr 0.16	Ax 0.17	ETL- 0.9	KET12	13R
		00159	520HF	0.2 35	VOL	ETL- 0.9	KET12	13R
		00159	520HF	0.3 26	VOL	ETL- 0.5	KET12	13R
		00159	520HF	Cr 0.16	Ax 0.13	ETL- 0.5	KET12	13R
80	79	00320	510UL	2.7 178	DNT	LTS- 0.1	510-MIZ30	13R
80	*80*	*00320*	*510UL*	*1.7 0*	*INR*	*LTE+ 13.5*	*510-MIZ30*	*13R*

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80	81	00320	510UL	1.5 5	INR	LTE+ 1.2	510-MIZ30	13R
80	83	00320	510UL	2.6 163	DNT	LTS+ 0.0	510-MIZ30	13R
80	**86**	00159	520HF	Cr 0.16	Ax 0.13	ETL- 0.4	KET12	13R
		00159	520HF	0.2 29	VOL	ETL- 0.4	KET12	13R
80	*88*	*00320*	*510UL*	*0.2 100*	*NQI*	*15S+ 16.2*	*510-MIZ30*	*13R*
		00386	*520HF*	*0.1 81*	*OD 80*	*15S+ 16.3*	*SPEC-INT*	*13R*
		00386	*520HF*	*0.1 81*	*SVI*	*15S+ 16.3*	*SPEC-INT*	*13R*
		00386	*520HF*	*Cr 0.15*	*Ax 1.35*	*15S+ 16.3*	*SPEC-INT*	*13R*
		00400	*520HF*	*0.2 88*	*PID*	*15S+ 16.3*	*SPEC-INT*	*13R*
80	**120**	00269	520HF	0.3 25	VOL	ETL -1.0	KET03	13R
		00269	520HF	Cr 0.22	Ax 0.21	ETL -1.0	KET03	13R
80	124	00112	510UL	0.1 74	NQI	01S+ 0.1	510-MIZ30	13R
		00306	520HF	1.3 0	WAR 19	01S+ 0.1	SPEC-INT	13R
80	126	00110	510UL	3.8 175	DNT	LTE+ 8.8	510-MIZ30	13R
80	128	00110	510UL	3.8 173	DNT	LTE+ 10.4	510-MIZ30	13R
80	130	00110	510UL	3.8 174	DNT	LTE+ 10.6	510-MIZ30	13R
81	37	00230	510UL	1.3 101	INR	11S+ 26.1	510-MIZ30	13R
81	85	00060	510UL	4.1 164	DNT	LTS- 0.1	510-MIZ30	13R
81	86	00060	510UL	3.8 170	DNT	LTS- 0.1	510-MIZ30	13R
81	**92**	00317	540HF	0.5 9	ID 30	15S+ 42.1	540-MIZ30	13R
		00302	520HF	Cr 0.17	Ax 0.22	15S+ 42.3	SPEC-INT	13R
		00302	520HF	0.7 25	VOL	15S+ 42.3	SPEC-INT	13R
		00302	520HF	0.3 14	VOL	UTS+ 0.8	SPEC-INT	13R
		00302	520HF	Cr 0.11	Ax 0.10	UTS+ 0.8	SPEC-INT	13R
81	114	00112	510UL	2.5 178	DNT	LTE+ 9.9	510-MIZ30	13R
81	115	00110	510UL	2.6 175	DNT	LTE+ 10.1	510-MIZ30	13R
81	124	00112	510UL	2.9 178	DNT	LTE+ 8.4	510-MIZ30	13R
81	***130***	*00306*	*520HF*	*Cr 0.11*	*Ax 0.21*	*12S -1.3*	*SPEC-INT*	*13R*
		00306	*520HF*	*0.2 5*	*VOL*	*12S -1.3*	*SPEC-INT*	*13R*
		00306	*520HF*	*0.3 10*	*VOL*	*12S+ 14.4*	*SPEC-INT*	*13R*
		00306	*520HF*	*Cr 0.17*	*Ax 0.10*	*12S+ 14.4*	*SPEC-INT*	*13R*
		00306	*520HF*	*Cr 0.17*	*Ax 0.15*	*12S+ 22.0*	*SPEC-INT*	*13R*
		00306	*520HF*	*0.3 15*	*VOL*	*12S+ 22.0*	*SPEC-INT*	*13R*
		00306	*520HF*	*0.5 16*	*VOL*	*15S+ 6.2*	*SPEC-INT*	*13R*
		00306	*520HF*	*Cr 0.11*	*Ax 0.15*	*15S+ 6.2*	*SPEC-INT*	*13R*
		00306	*520HF*	*0.4 23*	*VOL*	*15S+ 12.9*	*SPEC-INT*	*13R*
		00306	*520HF*	*Cr 0.11*	*Ax 0.15*	*15S+ 12.9*	*SPEC-INT*	*13R*
		00306	*520HF*	*Cr 0.17*	*Ax 0.15*	*15S+ 17.2*	*SPEC-INT*	*13R*
		00306	*520HF*	*0.2 15*	*VOL*	*15S+ 17.2*	*SPEC-INT*	*13R*
		00306	*520HF*	*Cr 0.11*	*Ax 0.10*	*15S+ 26.7*	*SPEC-INT*	*13R*
		00306	*520HF*	*0.1 20*	*VOL*	*15S+ 26.7*	*SPEC-INT*	*13R*
		00317	*540HF*	*0.3 359*	*INR*	*15S+ 27.1*	*540-MIZ30*	*13R*
		00306	*520HF*	*Cr 0.22*	*Ax 0.21*	*ETL -4.6*	*SPEC-INT*	*13R*
		00306	*520HF*	*0.8 23*	*VOL*	*ETL -4.6*	*SPEC-INT*	*13R*
		00306	*520HF*	*1.1 25*	*VOL*	*ETL -4.5*	*SPEC-INT*	*13R*
		00306	*520HF*	*Cr 0.17*	*Ax 0.15*	*ETL -4.5*	*SPEC-INT*	*13R*
		00306	*520HF*	*Cr 0.17*	*Ax 0.15*	*ETL -4.3*	*SPEC-INT*	*13R*
		00306	*520HF*	*0.8 20*	*VOL*	*ETL -4.3*	*SPEC-INT*	*13R*
		00306	*520HF*	*0.4 15*	*VOL*	*ETL -4.0*	*SPEC-INT*	*13R*
		00306	*520HF*	*Cr 0.22*	*Ax 0.21*	*ETL -4.0*	*SPEC-INT*	*13R*

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00306	*520HF*	*0.4 15*	*VOL*	*ETL -3.5*	*SPEC-INT*	*13R*
		00306	*520HF*	*Cr 0.17*	*Ax 0.10*	*ETL -3.5*	*SPEC-INT*	*13R*
		00306	*520HF*	*Cr 0.11*	*Ax 0.15*	*ETL -3.0*	*SPEC-INT*	*13R*
		00306	*520HF*	*0.2 13*	*VOL*	*ETL -3.0*	*SPEC-INT*	*13R*
		00306	*520HF*	*1.0 19*	*VOL*	*ETL -1.8*	*SPEC-INT*	*13R*
		00306	*520HF*	*Cr 0.17*	*Ax 0.10*	*ETL -1.8*	*SPEC-INT*	*13R*
81	131	00112	510UL	3.4 173	DNT	LTE+ 10.4	510-MIZ30	13R
82	8	00088	510UL	0.2 51	NQI	09S- 0.9	510-MIZ30	13R
		00378	520HF	0.4 74	WAR 3	09S- 0.6	SPEC-INT	13R
82	**31**	00289	520HF	0.3 5	VOL	ETL -6.5	SPEC-INT	13R
		00289	520HF	Cr 0.14	Ax 0.10	ETL -6.5	SPEC-INT	13R
82	40	00240	510UL	1.2 5	INR	15S+ 2.7	510-MIZ30	13R
82	49	00238	510UL	0.3 62	NQI	08S+ 0.7	510-MIZ30	13R
		00344	520HF	0.6 0	WAR 16	08S+ 0.7	SPEC-INT	13R
82	80	00060	510UL	2.2 4	INR	LTS+ 5.3	510-MIZ30	13R
82	84	00060	510UL	4.4 167	DNT	LTS- 0.1	510-MIZ30	13R
82	85	00060	510UL	6.4 160	DNT	LTS- 0.0	510-MIZ30	13R
82	87	00060	510UL	2.0 7	INR	LTS+ 0.5	510-MIZ30	13R
82	91	00060	510UL	0.2 96	NQI	05S+ 30.6	510-MIZ30	13R
		00302	520HF	0.0 0	NDF	05S+ 30.6	SPEC-INT	13R
82	98	00110	510UL	1.5 182	INR	LTS+ 0.3	510-MIZ30	13R
82	107	00112	510UL	2.7 177	DNT	12S+ 22.5	510-MIZ30	13R
82	124	00110	510UL	3.7 174	DNT	LTE+ 9.5	510-MIZ30	13R
82	**127**	00306	520HF	0.2 29	VOL	15S+ 7.3	SPEC-INT	13R
		00306	520HF	Cr 0.17	Ax 0.15	15S+ 7.3	SPEC-INT	13R
		00112	510UL	5.6 177	DNT	15S+ 7.4	510-MIZ30	13R
		00306	520HF	0.1 31	VOL	15S+ 8.3	SPEC-INT	13R
		00306	520HF	Cr 0.17	Ax 0.15	15S+ 8.3	SPEC-INT	13R
		00306	520HF	Cr 0.11	Ax 0.15	15S+ 16.9	SPEC-INT	13R
		00306	520HF	0.5 17	VOL	15S+ 16.9	SPEC-INT	13R
		00306	520HF	0.1 3	VOL	15S+ 27.5	SPEC-INT	13R
		00306	520HF	Cr 0.11	Ax 0.10	15S+ 27.5	SPEC-INT	13R
		00306	520HF	0.3 11	VOL	UTS+ 0.8	SPEC-INT	13R
		00306	520HF	Cr 0.11	Ax 0.15	UTS+ 0.8	SPEC-INT	13R
		00306	520HF	0.4 24	VOL	UTS+ 1.0	SPEC-INT	13R
		00306	520HF	Cr 0.17	Ax 0.20	UTS+ 1.0	SPEC-INT	13R
		00306	520HF	Cr 0.22	Ax 0.20	UTS+ 1.3	SPEC-INT	13R
		00306	520HF	0.6 12	VOL	UTS+ 1.3	SPEC-INT	13R
		00306	520HF	0.6 17	VOL	UTS+ 1.5	SPEC-INT	13R
		00306	520HF	Cr 0.22	Ax 0.24	UTS+ 1.5	SPEC-INT	13R
		00306	520HF	0.3 21	VOL	UTS+ 3.2	SPEC-INT	13R
		00306	520HF	Cr 0.17	Ax 0.20	UTS+ 3.2	SPEC-INT	13R
		00306	520HF	0.3 13	VOL	UTS+ 3.4	SPEC-INT	13R
		00306	520HF	Cr 0.17	Ax 0.24	UTS+ 3.4	SPEC-INT	13R
82	**128**	00317	540HF	3.3 171	DNT	LTE+ 9.8	540-MIZ30	13R
		00317	540HF	0.4 5	ID 17	15S+ 8.0	540-MIZ30	13R
		00388	520HF	0.2 37	VOL	15S+ 8.0	SPEC-INT	13R
		00388	520HF	Cr 0.16	Ax 0.11	15S+ 8.0	SPEC-INT	13R
83	**2**	00400	520HF	0.1 32	VOL	12S+ 7.3	KET12	13R
		00400	520HF	Cr 0.15	Ax 0.16	12S+ 18.2	SPEC-INT	13R

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		00400	520HF	0.2 16	VOL	12S+ 18.2	SPEC-INT	13R
		00400	520HF	Cr 0.15	Ax 0.16	12S+ 18.2	SPEC-INT	13R
		00400	520HF	Cr 0.10	Ax 0.11	12S+ 22.1	KET12	13R
		00400	520HF	0.2 9	VOL	12S+ 22.1	KET12	13R
		00378	520HF	0.1 11	VOL	13S -4.3	SPEC-INT	13R
		00378	520HF	Cr 0.15	Ax 0.10	13S -4.3	SPEC-INT	13R
83	**16**	00225	520HF	0.3 19	VOL	ETL- 0.1	KET06	13R
		00225	520HF	Cr 0.19	Ax 0.21	ETL- 0.1	KET06	13R
83	**17**	00297	540HF	0.5 6	ID 20	15S+ 35.3	540-MIZ30	13R
		00378	520HF	0.3 16	VOL	UTS -10.6	SPEC-INT	13R
		00378	520HF	Cr 0.15	Ax 0.16	UTS -10.6	SPEC-INT	13R
83	**22**	00225	520HF	0.2 20	VOL	ETL- 0.6	KET12	13R
		00225	520HF	Cr 0.13	Ax 0.09	ETL- 0.6	KET12	13R
83	**27**	00227	520HF	Cr 0.13	Ax 0.08	ETL- 0.3	KET12	13R
		00227	520HF	0.4 18	VOL	ETL- 0.3	KET12	13R
83	**28**	00225	520HF	0.2 20	VOL	ETL -1.4	KET12	13R
		00225	520HF	Cr 0.19	Ax 0.19	ETL -1.4	KET12	13R
83	**33**	00227	520HF	Cr 0.19	Ax 0.13	ETL- 0.5	KET12	13R
		00227	520HF	0.3 18	VOL	ETL- 0.5	KET12	13R
83	**39**	00227	520HF	0.4 22	VOL	ETL- 0.6	KET12	13R
		00227	520HF	Cr 0.19	Ax 0.13	ETL- 0.6	KET12	13R
83	**44**	00225	520HF	0.3 18	VOL	ETL- 0.1	KET12	13R
		00225	520HF	0.3 18	ID 24	ETL- 0.1	KET12	13R
		00225	520HF	Cr 0.12	Ax 0.10	ETL- 0.1	KET12	13R
83	**49**	00227	520HF	0.2 31	VOL	ETL- 0.5	KET12	13R
		00227	520HF	Cr 0.18	Ax 0.13	ETL- 0.5	KET12	13R
83	52	00319	520HF	1.6 47	PVN	ETL -1.3	KET03	13R
83	**55**	00227	520HF	0.1 21	VOL	ETL -1.0	KET12	13R
		00227	520HF	Cr 0.13	Ax 0.17	ETL -1.0	KET12	13R
83	**66**	00047	520HF	Cr 0.15	Ax 0.11	ETL -6.2	KET12	13R
		00047	520HF	0.3 12	VOL	ETL -6.2	KET12	13R
83	**73**	00006	510UL	6.3 166	DNT	LTS- 0.1	510-MIZ30	13R
		00113	520HF	0.2 27	VOL	ETL -1.6	KET12	13R
		00113	520HF	Cr 0.10	Ax 0.11	ETL -1.6	KET12	13R
83	81	00060	510UL	1.3 7	INR	LTE+ 2.0	510-MIZ30	13R
83	85	00060	510UL	2.5 156	DNT	LTS+ 0.0	510-MIZ30	13R
83	86	00060	510UL	7.1 154	DNT	LTS+ 0.0	510-MIZ30	13R
83	87	00060	510UL	2.9 175	DNT	LTS+ 0.0	510-MIZ30	13R
83	**101**	00386	520HF	0.3 30	VOL	13S+ 1.6	SPEC-INT	13R
		00386	520HF	Cr 0.10	Ax 0.10	13S+ 1.6	SPEC-INT	13R
		00110	510UL	0.7 6	ID 20	13S+ 1.6	510-MIZ30	13R
		00313	540HF	0.5 11	ID 37	13S+ 1.7	540-MIZ30	13R
		00386	520HF	0.2 23	VOL	13S+ 7.7	SPEC-INT	13R
		00386	520HF	Cr 0.10	Ax 0.10	13S+ 7.7	SPEC-INT	13R
		00313	540HF	0.5 7	ID 23	13S+ 7.8	540-MIZ30	13R
83	102	00112	510UL	0.3 131	INR	LTE+ 4.0	510-MIZ30	13R
		00112	510UL	0.5 93	INR	LTE+ 5.3	510-MIZ30	13R
83	**104**	00149	520HF	0.3 11	VOL	ETL- 0.4	KET12	13R
		00149	520HF	Cr 0.17	Ax 0.14	ETL- 0.4	KET12	13R
83	128	00112	510UL	4.5 172	DNT	LTE+ 10.7	510-MIZ30	13R

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		00306	520HF	0.9 76	MBM	14S+ 18.3	SPEC-INT	13R
		00112	510UL	1.4 81	ADI	14S+ 18.6	510-MIZ30	13R
83	130	00110	510UL	5.1 170	DNT	LTE+ 10.9	510-MIZ30	13R
83	**131**	00267	520HF	Cr 0.16	Ax 0.19	ETL -3.7	KET03	13R
		00267	520HF	0.5 18	VOL	ETL -3.7	KET03	13R
84	2	00088	510UL	0.2 114	INR	09S- 0.8	510-MIZ30	13R
		00088	510UL	0.2 84	NQI	12S+ 0.6	510-MIZ30	13R
		00378	520HF	0.5 87	WAR 3	12S+ 0.6	SPEC-INT	13R
84	6	00088	510UL	0.3 81	NQI	09S- 0.9	510-MIZ30	13R
		00378	520HF	0.6 69	WAR 5	09S- 0.8	SPEC-INT	13R
84	8	00282	510UL	5.3 177	DNT	LTS- 0.7	510-MIZ30	13R
		00282	510UL	2.5 179	DNT	LTS+ 1.7	510-MIZ30	13R
		00282	510UL	6.2 168	DNT	LTS+ 2.0	510-MIZ30	13R
		00344	520HF	0.0 0	NDF	LTS+ 2.0	SPEC-INT	13R
		00282	510UL	9.7 176	DNT	LTS+ 2.9	510-MIZ30	13R
		00344	520HF	0.0 0	NDF	LTS+ 2.9	SPEC-INT	13R
84	14	00282	510UL	3.8 175	DNT	LTS+ 30.8	510-MIZ30	13R
84	72	00062	540HF	12.1 169	DNT	LTS- 0.0	540-MIZ30	13R
		00062	540HF	0.6 6	ID 20	09S+ 24.5	540-MIZ30	13R
		00404	520HF	0.0 0	NDF	09S+ 24.5	SPEC-INT	13R
		00062	540HF	0.6 8	ID 27	10S+ 20.2	540-MIZ30	13R
		00404	520HF	0.0 0	NDF	10S+ 20.2	SPEC-INT	13R
84	73	00016	510UL	8.2 163	DNT	LTS+ 0.0	510-MIZ30	13R
84	80	00066	510UL	2.7 175	INR	LTE+ 0.7	510-MIZ30	13R
84	82	00066	510UL	1.3 50	INR	12S+ 28.4	510-MIZ30	13R
84	85	00066	510UL	4.9 162	DNT	LTS+ 0.0	510-MIZ30	13R
84	86	00066	510UL	3.4 171	DNT	LTS+ 0.0	510-MIZ30	13R
84	**103**	00302	520HF	0.2 18	VOL	15S+ 28.1	SPEC-INT	13R
		00302	520HF	Cr 0.11	Ax 0.15	15S+ 28.1	SPEC-INT	13R
		00317	540HF	0.4 8	ID 27	15S+ 32.6	540-MIZ30	13R
		00302	520HF	Cr 0.11	Ax 0.15	15S+ 32.6	SPEC-INT	13R
		00302	520HF	0.3 17	VOL	15S+ 32.6	SPEC-INT	13R
		00302	520HF	Cr 0.11	Ax 0.10	15S+ 36.0	SPEC-INT	13R
		00302	520HF	0.4 16	VOL	15S+ 36.0	SPEC-INT	13R
84	117	00306	520HF	0.7 106	WAR 12	09S- 0.8	SPEC-INT	13R
		00126	510UL	0.3 77	NQI	09S- 0.7	510-MIZ30	13R
84	**130**	00317	540HF	4.5 171	DNT	LTE+ 10.9	540-MIZ30	13R
		00306	520HF	0.6 18	VOL	UTS+ 1.6	SPEC-INT	13R
		00306	520HF	Cr 0.22	Ax 0.10	UTS+ 1.6	SPEC-INT	13R
		00317	540HF	0.7 9	ID 30	UTS+ 1.6	540-MIZ30	13R
		00323	520HF	0.4 16	VOL	ETL- 0.7	KET22	13R
		00323	520HF	Cr 0.27	Ax 0.18	ETL- 0.7	KET22	13R
84	**131**	00306	520HF	Cr 0.17	Ax 0.20	15S+ 22.5	SPEC-INT	13R
		00306	520HF	0.3 14	VOL	15S+ 22.5	SPEC-INT	13R
		00306	520HF	1.5 99	MBM	15S+ 35.7	SPEC-INT	13R
		00134	510UL	2.8 81	ADI	15S+ 36.1	510-MIZ30	13R
85	6	00086	510UL	0.3 83	NQI	LTE+ 15.1	510-MIZ30	13R
		00378	520HF	0.0 0	NDF	LTE+ 15.1	SPEC-INT	13R
85	7	00282	510UL	0.2 79	NQI	08S+ 0.7	510-MIZ30	13R
		00344	520HF	0.9 0	WAR 21	08S+ 0.7	SPEC-INT	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
85	**10**	00263	520HF	Cr 0.28	Ax 0.13	ETL- 0.9	KET06	13R
		00263	520HF	0.1 17	VOL	ETL- 0.9	KET06	13R
85	12	00282	510UL	0.6 77	NQI	LTS- 0.7	510-MIZ30	13R
		00344	520HF	0.0 0	NDF	LTS- 0.7	SPEC-INT	13R
85	*22*	*00280*	*510UL*	*0.2 75*	*NQI*	*04S+ 19.3*	*510-MIZ30*	*13R*
		00344	*520HF*	*0.0 0*	*NDF*	*04S+ 19.3*	*SPEC-INT*	*13R*
		00280	*510UL*	*0.2 84*	*NQI*	*05S+ 8.1*	*510-MIZ30*	*13R*
		00344	*520HF*	*0.0 0*	*NDF*	*05S+ 8.1*	*SPEC-INT*	*13R*
		00280	*510UL*	*0.2 92*	*NQI*	*14S+ 30.3*	*510-MIZ30*	*13R*
		00344	*520HF*	*Cr 0.22*	*Ax 0.11*	*14S+ 30.3*	*SPEC-INT*	*13R*
		00344	*520HF*	*0.1 85*	*SVI*	*14S+ 30.3*	*SPEC-INT*	*13R*
		00344	*520HF*	*0.1 85*	*OD 24*	*14S+ 30.3*	*SPEC-INT*	*13R*
		00400	*520HF*	*0.3 75*	*PID*	*14S+ 30.3*	*SPEC-INT*	*13R*
		00378	*520HF*	*0.3 48*	*PID*	*15S -4.7*	*SPEC-INT*	*13R*
85	**31**	00227	520HF	0.1 16	VOL	ETL -1.3	KET12	13R
		00227	520HF	Cr 0.12	Ax 0.09	ETL -1.3	KET12	13R
		00227	520HF	0.2 13	VOL	ETL- 0.6	KET12	13R
		00227	520HF	Cr 0.18	Ax 0.09	ETL- 0.6	KET12	13R
		00227	520HF	Cr 0.12	Ax 0.13	ETL- 0.3	KET12	13R
		00227	520HF	0.4 29	VOL	ETL- 0.3	KET12	13R
85	**32**	00225	520HF	Cr 0.25	Ax 0.14	ETL- 0.1	KET12	13R
		00225	520HF	0.4 19	ID 26	ETL- 0.1	KET12	13R
		00225	520HF	0.4 19	VOL	ETL- 0.1	KET12	13R
85	**42**	00238	510UL	4.7 174	DNT	05S+ 7.1	510-MIZ30	13R
		00344	520HF	0.0 0	NDF	05S+ 7.1	SPEC-INT	13R
		00225	520HF	0.3 18	VOL	ETL- 0.3	KET12	13R
		00225	520HF	Cr 0.13	Ax 0.14	ETL- 0.3	KET12	13R
85	46	00238	510UL	0.3 100	NQI	UTS+ 2.4	510-MIZ30	13R
		00344	520HF	0.0 0	NDF	UTS+ 2.4	SPEC-INT	13R
85	**49**	00227	520HF	Cr 0.19	Ax 0.25	ETL- 0.8	KET12	13R
		00227	520HF	0.1 21	VOL	ETL- 0.8	KET12	13R
85	53	00240	510UL	0.1 60	NQI	03S- 0.1	510-MIZ30	13R
		00344	520HF	0.0 0	NDF	03S- 0.1	SPEC-INT	13R
85	*57*	*00111*	*520HF*	*0.2 36*	*ARC*	*ETL- 0.2*	*KET03*	*13R*
		00111	*520HF*	*1.0 23*	*ID 40*	*ETL- 0.2*	*KET03*	*13R*
		00111	*520HF*	*1.0 23*	*SCI*	*ETL- 0.2*	*KET03*	*13R*
		00151	*520HF*	*1.0 21*	*PID*	*ETL- 0.2*	*KET03*	*13R*
85	**59**	00111	520HF	0.7 28	VOL	ETL -1.3	KET12	13R
		00111	520HF	Cr 0.20	Ax 0.17	ETL -1.3	KET12	13R
85	70	00008	510UL	10.2 162	DNT	LTS- 0.0	510-MIZ30	13R
85	71	00006	510UL	14.4 168	DNT	LTS+ 0.0	510-MIZ30	13R
85	73	00012	510UL	3.2 160	DNT	LTS- 0.1	510-MIZ30	13R
85	74	00014	510UL	4.4 177	DNT	LTS- 0.2	510-MIZ30	13R
85	75	00016	510UL	3.7 179	DNT	LTS- 0.1	510-MIZ30	13R
85	76	00014	510UL	3.5 185	DNT	LTS- 0.1	510-MIZ30	13R
		00014	510UL	1.7 187	INR	LTS+ 8.3	510-MIZ30	13R
85	124	00134	510UL	0.2 87	NQI	10S+ 12.9	510-MIZ30	13R
		00306	520HF	0.0 0	NDF	10S+ 12.9	SPEC-INT	13R
85	**125**	00126	510UL	0.3 91	NQI	10S+ 15.5	510-MIZ30	13R
		00306	520HF	0.0 0	NDF	10S+ 15.5	SPEC-INT	13R

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		00267	520HF	0.3 17	VOL	ETL -2.5	KET12	13R
		00267	520HF	Cr 0.16	Ax 0.14	ETL -2.5	KET12	13R
		00267	520HF	Cr 0.22	Ax 0.14	ETL- 0.8	KET12	13R
		00267	520HF	0.7 13	VOL	ETL- 0.8	KET12	13R
85	127	00126	510UL	4.0 169	DNT	LTE+ 10.9	510-MIZ30	13R
85	**129**	00126	510UL	13.7 175	DNT	LTE+ 10.7	510-MIZ30	13R
		00269	520HF	Cr 0.21	Ax 0.21	ETL- 0.4	KET12	13R
		00269	520HF	1.4 25	VOL	ETL- 0.4	KET12	13R
86	8	00276	510UL	0.9 105	INR	LTE+ 13.4	510-MIZ30	13R
86	11	00274	510UL	0.4 86	NQI	LTS- 0.8	510-MIZ30	13R
		00344	520HF	0.0 0	NDF	LTS- 0.8	SPEC-INT	13R
86	**17**	00297	540HF	0.1 2	INR	UTS+ 1.0	540-MIZ30	13R
		00289	520HF	0.3 19	VOL	ETL -6.5	SPEC-INT	13R
		00289	520HF	Cr 0.14	Ax 0.10	ETL -6.5	SPEC-INT	13R
86	22	00276	510UL	0.2 76	NQI	12S+ 20.6	510-MIZ30	13R
		00344	520HF	0.0 0	NDF	12S+ 20.6	SPEC-INT	13R
86	51	00238	510UL	0.2 39	INR	15S+ 26.4	510-MIZ30	13R
86	53	00238	510UL	3.5 176	DNT	03S+ 19.3	510-MIZ30	13R
86	58	00052	520HF	0.0 0	NDF	UTS+ 6.3	SPEC-INT	13R
		00018	510UL	0.2 82	NQI	UTS+ 6.3	510-MIZ30	13R
86	62	00052	520HF	0.0 0	NDF	13S+ 6.5	SPEC-INT	13R
		00018	510UL	0.2 107	NQI	13S+ 6.5	510-MIZ30	13R
86	70	00006	510UL	5.0 165	DNT	LTS+ 0.0	510-MIZ30	13R
86	71	00022	520HF	0.0 0	NDF	LTS+ 0.1	LTS-KIDNEY	13R
		00006	510UL	17.1 169	DNT	LTS+ 0.1	510-MIZ30	13R
86	74	00012	510UL	6.3 179	DNT	LTS- 0.2	510-MIZ30	13R
86	75	00012	510UL	3.7 176	DNT	LTS- 0.2	510-MIZ30	13R
86	76	00012	510UL	3.9 180	DNT	LTS- 0.2	510-MIZ30	13R
86	77	00068	510UL	3.5 185	DNT	LTS- 0.2	510-MIZ30	13R
86	**79**	00302	520HF	Cr 0.17	Ax 0.15	ETL -3.5	SPEC-INT	13R
		00302	520HF	0.4 24	VOL	ETL -3.5	SPEC-INT	13R
86	**81**	00302	520HF	0.5 22	VOL	ETL -1.1	SPEC-INT	13R
		00302	520HF	Cr 0.17	Ax 0.15	ETL -1.1	SPEC-INT	13R
86	84	00068	510UL	0.6 116	INR	04S+ 7.4	510-MIZ30	13R
87	**1**	00378	520HF	Cr 0.20	Ax 0.16	12S+ 6.5	SPEC-INT	13R
		00378	520HF	1.1 24	VOL	12S+ 6.5	SPEC-INT	13R
		00354	540HF	1.4 7	ID 23	12S+ 6.8	540-MIZ30	13R
		00378	520HF	Cr 0.20	Ax 0.21	12S+ 6.8	SPEC-INT	13R
		00378	520HF	1.2 20	VOL	12S+ 6.8	SPEC-INT	13R
		00354	540HF	1.3 8	ID 27	12S+ 7.1	540-MIZ30	13R
87	7	00276	510UL	5.9 177	DNT	LTE+ 11.4	510-MIZ30	13R
87	10	00276	510UL	6.8 175	DNT	LTE+ 11.4	510-MIZ30	13R
87	11	00274	510UL	6.1 177	DNT	LTE+ 11.1	510-MIZ30	13R
87	18	00276	510UL	0.2 69	NQI	11S+ 2.9	510-MIZ30	13R
		00344	520HF	0.0 0	NDF	11S+ 2.9	SPEC-INT	13R
87	**32**	00219	520HF	Cr 0.20	Ax 0.14	ETL- 0.6	KET06	13R
		00219	520HF	0.1 17	VOL	ETL- 0.6	KET06	13R
		00219	520HF	Cr 0.20	Ax 0.09	ETL- 0.4	KET06	13R
		00219	520HF	0.1 6	VOL	ETL- 0.4	KET06	13R
87	**34**	00219	520HF	0.2 18	VOL	ETL -1.4	KET12	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00219	520HF	Cr 0.13	Ax 0.09	ETL -1.4	KET12	13R
		00219	520HF	Cr 0.13	Ax 0.14	ETL- 0.5	KET12	13R
		00219	520HF	0.2 22	VOL	ETL- 0.5	KET12	13R
87	**52**	00219	520HF	Cr 0.19	Ax 0.14	ETL- 0.8	KET06	13R
		00219	520HF	0.1 32	VOL	ETL- 0.8	KET06	13R
		00219	520HF	0.2 32	VOL	ETL- 0.1	KET06	13R
		00219	520HF	Cr 0.13	Ax 0.05	ETL- 0.1	KET06	13R
87	70	00006	510UL	4.6 168	DNT	LTS+ 0.0	510-MIZ30	13R
87	71	00006	510UL	3.6 164	DNT	LTS+ 0.0	510-MIZ30	13R
87	73	00012	510UL	4.8 179	DNT	LTS- 0.2	510-MIZ30	13R
87	74	00012	510UL	7.1 175	DNT	LTS- 0.2	510-MIZ30	13R
87	75	00012	510UL	3.6 181	DNT	LTS- 0.1	510-MIZ30	13R
87	81	00072	510UL	0.2 88	NQI	15S+ 5.4	510-MIZ30	13R
		00302	520HF	0.0 0	NDF	15S+ 5.4	SPEC-INT	13R
87	105	00348	520HF	0.0 0	NDF	LTE+ 0.0	SPEC-INT	13R
		00336	520HF	0.0 0	NDF	LTE+ 0.0	SPEC-INT	13R
		00340	520HF	0.0 0	NDF	LTS -3.0	SPEC-INT	13R
		00126	510UL	11.4 0	IDC	LTE+ 21.5	510-MIZ30	13R
		00348	520HF	0.0 0	NDF	LTS+ 0.0	SPEC-INT	13R
		00340	520HF	0.0 0	NDF	01S+ 0.0	SPEC-INT	13R
		00348	520HF	0.0 0	NDF	01S+ 0.0	SPEC-INT	13R
		00348	520HF	0.0 0	NDF	02S+ 0.0	SPEC-INT	13R
		00340	520HF	0.0 0	NDF	02S+ 0.0	SPEC-INT	13R
87	**108**	00147	520HF	0.2 21	VOL	ETL -2.8	KET12	13R
		00147	520HF	Cr 0.15	Ax 0.13	ETL -2.8	KET12	13R
		00147	520HF	Cr 0.18	Ax 0.13	ETL -2.1	KET12	13R
		00147	520HF	0.2 12	VOL	ETL -2.1	KET12	13R
87	122	00134	510UL	0.1 65	NQI	01S+ 23.6	510-MIZ30	13R
		00306	520HF	0.0 0	NDF	01S+ 23.6	SPEC-INT	13R
		00306	520HF	1.1 76	WAR 18	09S+ 0.6	SPEC-INT	13R
		00134	510UL	0.1 89	NQI	09S+ 0.6	510-MIZ30	13R
87	124	00134	510UL	10.6 174	DNT	UTS -1.0	510-MIZ30	13R
		00306	520HF	0.0 0	NDF	UTS -1.0	SPEC-INT	13R
87	127	00306	520HF	0.7 98	WAR 12	11S- 0.2	SPEC-INT	13R
		00126	510UL	0.4 90	NQI	11S- 0.2	510-MIZ30	13R
87	128	00134	510UL	5.0 176	DNT	LTE+ 11.1	510-MIZ30	13R
		00306	520HF	0.9 102	WAR 16	08S+ 0.4	SPEC-INT	13R
		00134	510UL	0.3 104	NQI	08S+ 0.5	510-MIZ30	13R
87	**129**	00126	510UL	0.7 7	ID 23	UTS+ 3.5	510-MIZ30	13R
		00313	540HF	0.6 8	ID 27	UTS+ 3.7	540-MIZ30	13R
		00388	520HF	1.2 29	VOL	UTS+ 3.7	SPEC-INT	13R
		00388	520HF	Cr 0.16	Ax 0.17	UTS+ 3.7	SPEC-INT	13R
88	6	00274	510UL	5.9 176	DNT	LTE+ 11.3	510-MIZ30	13R
88	8	00276	510UL	6.5 178	DNT	LTE+ 11.0	510-MIZ30	13R
88	10	00276	510UL	7.2 176	DNT	LTE+ 10.6	510-MIZ30	13R
88	12	00276	510UL	7.2 178	DNT	LTE+ 11.2	510-MIZ30	13R
88	61	00018	510UL	0.2 81	NQI	LTE+ 15.6	510-MIZ30	13R
		00052	520HF	0.0 0	NDF	LTE+ 15.6	SPEC-INT	13R
88	72	00010	510UL	2.6 183	DNT	LTS- 0.1	510-MIZ30	13R
88	73	00070	510UL	4.3 185	DNT	LTS+ 0.0	510-MIZ30	13R

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88	74	00072	510UL	4.0 179	DNT	LTS+ 0.0	510-MIZ30	13R
88	77	00070	510UL	0.3 45	NQI	01S+ 31.1	510-MIZ30	13R
		00302	520HF	0.0 0	NDF	01S+ 31.1	SPEC-INT	13R
88	78	00072	510UL	0.3 75	INR	01S+ 33.3	510-MIZ30	13R
		00072	510UL	0.4 52	INR	02S+ 6.8	510-MIZ30	13R
88	101	00134	510UL	1.0 126	INR	15S+ 41.8	510-MIZ30	13R
88	**124**	00317	540HF	0.4 10	BVC	15S+ 3.6	540-MIZ30	13R
		00306	520HF	1.0 24	VOL	15S+ 3.6	SPEC-INT	13R
		00306	520HF	Cr 0.22	Ax 0.15	15S+ 3.6	SPEC-INT	13R
		00306	520HF	Cr 0.11	Ax 0.10	15S+ 6.7	SPEC-INT	13R
		00306	520HF	0.1 5	VOL	15S+ 6.7	SPEC-INT	13R
88	125	00126	510UL	7.8 171	DNT	LTE+ 10.1	510-MIZ30	13R
88	129	00134	510UL	3.2 169	DNT	LTE+ 11.5	510-MIZ30	13R
89	6	00276	510UL	7.2 176	DNT	LTE+ 11.4	510-MIZ30	13R
89	7	00274	510UL	5.9 179	DNT	LTE+ 11.1	510-MIZ30	13R
89	10	00276	510UL	7.6 174	DNT	LTE+ 11.2	510-MIZ30	13R
89	11	00274	510UL	6.6 177	DNT	LTE+ 11.1	510-MIZ30	13R
89	14	00276	510UL	3.0 177	DNT	11S+ 30.3	510-MIZ30	13R
89	19	00274	510UL	0.6 97	INR	LTE+ 18.3	510-MIZ30	13R
89	**25**	00219	520HF	0.1 6	VOL	ETL -1.1	KET12	13R
		00219	520HF	Cr 0.13	Ax 0.10	ETL -1.1	KET12	13R
89	34	00297	540HF	0.3 1	INR	15S+ 27.2	540-MIZ30	13R
89	**37**	00219	520HF	0.2 21	VOL	ETL- 0.9	KET06	13R
		00219	520HF	Cr 0.19	Ax 0.19	ETL- 0.9	KET06	13R
89	**51**	00219	520HF	0.4 21	VOL	ETL -1.2	KET12	13R
		00219	520HF	Cr 0.20	Ax 0.14	ETL -1.2	KET12	13R
89	52	00238	510UL	2.9 176	DNT	02S+ 9.9	510-MIZ30	13R
89	71	00012	510UL	0.3 60	NQI	LTS+ 44.0	510-MIZ30	13R
		00052	520HF	0.0 0	NDF	LTS+ 44.0	SPEC-INT	13R
89	**73**	00069	520HF	Cr 0.15	Ax 0.11	ETL- 0.8	KET06	13R
		00069	520HF	0.4 30	VOL	ETL- 0.8	KET06	13R
89	77	00072	510UL	4.0 170	DNT	LTS+ 0.1	510-MIZ30	13R
89	113	00306	520HF	0.7 0	WAR 11	05S- 0.8	SPEC-INT	13R
		00134	510UL	0.2 80	NQI	05S- 0.8	510-MIZ30	13R
89	**125**	00134	510UL	4.0 171	DNT	LTE+ 10.9	510-MIZ30	13R
		00271	520HF	Cr 0.16	Ax 0.11	ETL- 0.1	KET12	13R
		00271	520HF	0.6 28	VOL	ETL- 0.1	KET12	13R
89	130	00134	510UL	1.6 87	ADI	LTS+ 13.8	510-MIZ30	13R
		00306	520HF	0.0 0	NDF	LTS+ 13.8	SPEC-INT	13R
90	34	00238	510UL	1.1 85	INR	LTS+ 3.1	510-MIZ30	13R
90	56	00052	520HF	0.0 0	NDF	LTS+ 0.7	SPEC-INT	13R
		00020	510UL	0.1 82	NQI	LTS+ 0.7	510-MIZ30	13R
90	62	00012	510UL	0.5 88	INR	LTS+ 1.0	510-MIZ30	13R
90	63	00010	510UL	0.5 111	NQI	LTS+ 1.8	510-MIZ30	13R
		00052	520HF	0.0 0	NDF	LTS+ 1.8	SPEC-INT	13R
90	66	00012	510UL	0.3 80	INR	LTS+ 2.0	510-MIZ30	13R
90	71	00010	510UL	3.8 178	DNT	LTE+ 11.4	510-MIZ30	13R
90	72	00070	510UL	0.2 54	NQI	03S+ 29.3	510-MIZ30	13R
		00312	520HF	0.0 0	NDF	03S+ 29.3	SPEC-INT	13R
90	73	00072	510UL	5.2 167	DNT	LTS- 0.0	510-MIZ30	13R

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90	74	00070	510UL	5.7 166	DNT	LTS+ 0.0	510-MIZ30	13R
90	75	00072	510UL	6.6 162	DNT	LTS+ 0.0	510-MIZ30	13R
		00317	540HF	2.3 153	INR	LTS+ 0.0	540-MIZ30	13R
90	76	00070	510UL	11.3 168	DNT	LTS+ 0.0	510-MIZ30	13R
90	77	00072	510UL	8.5 163	DNT	LTS+ 0.1	510-MIZ30	13R
90	78	00070	510UL	0.2 83	NQI	LTE+ 20.6	510-MIZ30	13R
		00302	520HF	0.0 0	NDF	LTE+ 20.6	SPEC-INT	13R
		00070	510UL	10.5 166	DNT	LTS+ 0.0	510-MIZ30	13R
90	**80**	00302	520HF	0.2 31	VOL	15S+ 22.2	SPEC-INT	13R
		00302	520HF	Cr 0.17	Ax 0.15	15S+ 22.2	SPEC-INT	13R
		00317	540HF	0.1 276	INR	15S+ 32.3	540-MIZ30	13R
		00302	520HF	Cr 0.11	Ax 0.15	15S+ 32.3	SPEC-INT	13R
		00302	520HF	0.4 18	VOL	15S+ 32.3	SPEC-INT	13R
90	121	00126	510UL	0.3 56	NQI	LTE+ 17.2	510-MIZ30	13R
		00306	520HF	0.0 0	NDF	LTE+ 17.2	SPEC-INT	13R
90	126	00126	510UL	10.4 174	DNT	LTE+ 10.3	510-MIZ30	13R
		00306	520HF	1.7 93	MBM	01S+ 29.5	SPEC-INT	13R
		00126	510UL	2.6 87	ADI	01S+ 30.5	510-MIZ30	13R
90	**128**	00372	510UL	5.3 179	DNT	LTE+ 10.7	510-MIZ30	13R
		00306	520HF	Cr 0.11	Ax 0.10	14S+ 7.5	SPEC-INT	13R
		00306	520HF	0.3 12	VOL	14S+ 7.5	SPEC-INT	13R
		00306	520HF	Cr 0.11	Ax 0.10	14S+ 13.1	SPEC-INT	13R
		00306	520HF	0.1 21	VOL	14S+ 13.1	SPEC-INT	13R
		00306	520HF	0.3 7	VOL	14S+ 15.3	SPEC-INT	13R
		00306	520HF	Cr 0.11	Ax 0.10	14S+ 15.3	SPEC-INT	13R
		00306	520HF	Cr 0.11	Ax 0.15	14S+ 33.3	SPEC-INT	13R
		00306	520HF	0.3 18	VOL	14S+ 33.3	SPEC-INT	13R
		00317	540HF	0.9 7	ID 23	15S- 0.3	540-MIZ30	13R
		00306	520HF	Cr 0.17	Ax 0.15	15S- 0.3	SPEC-INT	13R
		00306	520HF	0.9 24	VOL	15S- 0.3	SPEC-INT	13R
		00306	520HF	Cr 0.11	Ax 0.15	15S+ 2.1	SPEC-INT	13R
		00306	520HF	0.5 17	VOL	15S+ 2.1	SPEC-INT	13R
		00317	540HF	0.5 6	ID 20	15S+ 2.1	540-MIZ30	13R
		00306	520HF	0.3 11	VOL	15S+ 4.0	SPEC-INT	13R
		00306	520HF	Cr 0.11	Ax 0.10	15S+ 4.0	SPEC-INT	13R
		00317	540HF	0.5 3	INR	15S+ 4.1	540-MIZ30	13R
		00306	520HF	Cr 0.06	Ax 0.10	15S+ 6.1	SPEC-INT	13R
		00306	520HF	0.2 19	VOL	15S+ 6.1	SPEC-INT	13R
90	129	00134	510UL	3.7 175	DNT	LTE+ 10.6	510-MIZ30	13R
91	38	00297	540HF	0.2 4	INR	02S+ 7.2	540-MIZ30	13R
		00238	510UL	0.3 5	INR	02S+ 7.2	510-MIZ30	13R
91	54	00018	510UL	0.7 76	NQI	LTS+ 0.7	510-MIZ30	13R
		00052	520HF	0.0 0	NDF	LTS+ 0.7	SPEC-INT	13R
91	55	00052	520HF	0.0 0	NDF	LTS+ 0.9	SPEC-INT	13R
		00018	510UL	1.0 89	NQI	LTS+ 0.9	510-MIZ30	13R
91	56	00020	510UL	0.9 73	NQI	LTS+ 0.9	510-MIZ30	13R
		00137	520HF	0.0 0	NDF	LTS+ 0.9	SPEC-INT	13R
91	68	00010	510UL	4.3 183	DNT	LTS- 0.1	510-MIZ30	13R
91	69	00012	510UL	3.1 177	DNT	LTE+ 10.1	510-MIZ30	13R
		00012	510UL	2.8 183	DNT	LTS- 0.2	510-MIZ30	13R

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91	71	00070	510UL	2.8 162	DNT	LTS- 0.0	510-MIZ30	13R
91	72	00070	510UL	4.2 167	DNT	LTS+ 0.0	510-MIZ30	13R
91	73	00072	510UL	8.7 162	DNT	LTS- 0.0	510-MIZ30	13R
91	74	00070	510UL	12.6 168	DNT	LTS+ 0.0	510-MIZ30	13R
91	75	00072	510UL	10.9 163	DNT	LTS+ 0.0	510-MIZ30	13R
91	76	00070	510UL	13.6 167	DNT	LTS+ 0.0	510-MIZ30	13R
91	77	00072	510UL	3.5 161	DNT	LTS- 0.0	510-MIZ30	13R
91	108	00138	510UL	8.1 169	DNT	13S+ 32.4	510-MIZ30	13R
		00306	520HF	0.0 0	NDF	13S+ 32.4	SPEC-INT	13R
		00138	510UL	2.8 180	DNT	14S- 0.6	510-MIZ30	13R
		00306	520HF	0.0 0	NDF	14S- 0.6	SPEC-INT	13R
91	113	00138	510UL	0.8 97	INR	LTS+ 15.3	510-MIZ30	13R
		00138	510UL	0.9 104	INR	LTS+ 17.7	510-MIZ30	13R
91	120	00138	510UL	3.5 174	DNT	LTE+ 10.6	510-MIZ30	13R
91	122	00126	510UL	1.4 81	ADI	13S+ 22.9	510-MIZ30	13R
		00306	520HF	0.0 0	NDF	13S+ 22.9	SPEC-INT	13R
92	**44**	00217	520HF	0.4 32	VOL	ETL -1.3	KET12	13R
		00217	520HF	Cr 0.18	Ax 0.20	ETL -1.3	KET12	13R
92	**48**	00217	520HF	0.5 20	VOL	ETL- 0.9	KET12	13R
		00217	520HF	Cr 0.18	Ax 0.15	ETL- 0.9	KET12	13R
		00217	520HF	Cr 0.18	Ax 0.12	ETL- 0.0	KET12	13R
		00217	520HF	0.7 24	VOL	ETL- 0.0	KET12	13R
92	**51**	00219	520HF	0.1 20	VOL	ETL- 0.9	KET06	13R
		00219	520HF	Cr 0.19	Ax 0.10	ETL- 0.9	KET06	13R
		00219	520HF	0.3 28	VOL	ETL- 0.2	KET06	13R
		00219	520HF	Cr 0.13	Ax 0.10	ETL- 0.2	KET06	13R
92	**53**	00219	520HF	0.1 21	VOL	ETL- 0.9	KET12	13R
		00219	520HF	Cr 0.13	Ax 0.14	ETL- 0.9	KET12	13R
		00219	520HF	0.3 18	VOL	ETL- 0.7	KET12	13R
		00219	520HF	Cr 0.20	Ax 0.14	ETL- 0.7	KET12	13R
		00219	520HF	Cr 0.20	Ax 0.14	ETL- 0.7	KET12	13R
		00219	520HF	0.2 17	VOL	ETL- 0.7	KET12	13R
92	58	00018	510UL	0.6 78	NQI	LTS+ 1.0	510-MIZ30	13R
		00052	520HF	0.0 0	NDF	LTS+ 1.0	SPEC-INT	13R
92	59	00052	520HF	0.0 0	NDF	LTS+ 19.8	SPEC-INT	13R
		00018	510UL	1.4 0	ADI	LTS+ 19.8	510-MIZ30	13R
		00052	520HF	0.0 0	NDF	LTS+ 43.5	SPEC-INT	13R
		00018	510UL	0.8 0	ADI	LTS+ 43.5	510-MIZ30	13R
92	**63**	00091	520HF	Cr 0.15	Ax 0.13	ETL -1.2	KET12	13R
		00091	520HF	0.2 15	VOL	ETL -1.2	KET12	13R
92	67	00010	510UL	0.3 107	NQI	LTS+ 2.3	510-MIZ30	13R
		00052	520HF	0.0 0	NDF	LTS+ 2.3	SPEC-INT	13R
92	**70**	00012	510UL	5.9 178	DNT	LTS+ 0.0	510-MIZ30	13R
		00093	520HF	0.3 28	VOL	ETL- 0.4	KET12	13R
		00093	520HF	Cr 0.20	Ax 0.16	ETL- 0.4	KET12	13R
		00093	520HF	0.7 17	VOL	ETL- 0.3	KET12	13R
		00093	520HF	Cr 0.20	Ax 0.08	ETL- 0.3	KET12	13R
92	71	00010	510UL	2.7 177	DNT	LTE+ 10.5	510-MIZ30	13R
		00010	510UL	3.0 187	DNT	LTS- 0.2	510-MIZ30	13R
		00010	510UL	0.4 67	NQI	LTS+ 1.6	510-MIZ30	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00052	520HF	0.0 0	NDF	LTS+ 1.6	SPEC-INT	13R
92	**73**	00091	520HF	0.2 12	VOL	ETL -3.5	KET12	13R
		00091	520HF	Cr 0.15	Ax 0.13	ETL -3.5	KET12	13R
		00091	520HF	Cr 0.20	Ax 0.16	ETL -3.2	KET12	13R
		00091	520HF	0.3 24	VOL	ETL -3.2	KET12	13R
92	75	00072	510UL	6.6 161	DNT	LTS+ 0.0	510-MIZ30	13R
92	76	00070	510UL	6.4 165	DNT	LTS+ 0.0	510-MIZ30	13R
92	**78**	00149	520HF	Cr 0.16	Ax 0.19	ETL- 0.9	KET12	13R
		00149	520HF	0.2 31	VOL	ETL- 0.9	KET12	13R
92	95	00072	510UL	11.1 170	DNT	LTS- 0.1	510-MIZ30	13R
92	96	00317	540HF	5.1 173	DNT	LTS+ 0.0	540-MIZ30	13R
		00317	540HF	0.6 9	INR	15S+ 3.3	540-MIZ30	13R
		00317	540HF	0.6 9	INR	15S+ 3.8	540-MIZ30	13R
92	121	00136	510UL	8.3 172	DNT	13S+ 33.2	510-MIZ30	13R
		00302	520HF	0.0 0	NDF	13S+ 33.3	SPEC-INT	13R
93	1	00276	510UL	0.3 86	NQI	10S+ 0.5	510-MIZ30	13R
		00344	520HF	0.8 0	WAR 19	10S+ 0.6	SPEC-INT	13R
93	**27**	00297	540HF	0.4 6	ID 20	15S+ 37.9	540-MIZ30	13R
		00378	520HF	Cr 0.20	Ax 0.17	UTS -8.4	SPEC-INT	13R
		00378	520HF	0.4 20	VOL	UTS -8.4	SPEC-INT	13R
93	53	00052	520HF	0.0 0	NDF	LTS+ 0.4	SPEC-INT	13R
		00018	510UL	0.4 90	NQI	LTS+ 0.4	510-MIZ30	13R
		00052	520HF	0.0 0	NDF	LTS+ 0.9	SPEC-INT	13R
		00018	510UL	0.8 102	NQI	LTS+ 0.9	510-MIZ30	13R
93	54	00018	510UL	0.7 57	NQI	LTS+ 0.9	510-MIZ30	13R
		00137	520HF	0.0 0	NDF	LTS+ 0.9	SPEC-INT	13R
93	55	00018	510UL	0.6 98	NQI	LTS+ 0.9	510-MIZ30	13R
		00137	520HF	0.0 0	NDF	LTS+ 0.9	SPEC-INT	13R
93	**58**	00137	520HF	0.1 6	VOL	UTS+ 0.8	SPEC-INT	13R
		00137	520HF	Cr 0.23	Ax 0.16	UTS+ 0.8	SPEC-INT	13R
		00137	520HF	Cr 0.17	Ax 0.16	UTS+ 3.3	SPEC-INT	13R
		00137	520HF	0.1 19	VOL	UTS+ 3.3	SPEC-INT	13R
		00062	540HF	0.5 1	INR	UTS+ 4.2	540-MIZ30	13R
		00137	520HF	0.1 18	VOL	UTS+ 4.6	SPEC-INT	13R
		00137	520HF	Cr 0.17	Ax 0.16	UTS+ 4.6	SPEC-INT	13R
		00137	520HF	0.2 20	VOL	UTS+ 4.6	SPEC-INT	13R
		00137	520HF	Cr 0.17	Ax 0.16	UTS+ 4.6	SPEC-INT	13R
		00137	520HF	Cr 0.12	Ax 0.12	UTS+ 5.3	SPEC-INT	13R
		00137	520HF	0.3 6	VOL	UTS+ 5.3	SPEC-INT	13R
		00062	540HF	0.3 357	INR	UTS+ 6.2	540-MIZ30	13R
		00137	520HF	Cr 0.17	Ax 0.16	UTS+ 6.3	SPEC-INT	13R
		00137	520HF	0.3 19	VOL	UTS+ 6.3	SPEC-INT	13R
		00137	520HF	0.3 13	VOL	UTS+ 6.8	SPEC-INT	13R
		00137	520HF	Cr 0.17	Ax 0.16	UTS+ 6.8	SPEC-INT	13R
93	68	00012	510UL	4.8 180	DNT	LTS+ 0.0	510-MIZ30	13R
93	91	00072	510UL	13.5 169	DNT	LTS- 0.1	510-MIZ30	13R
93	92	00070	510UL	9.8 172	DNT	LTS- 0.1	510-MIZ30	13R
93	93	00072	510UL	4.7 173	DNT	LTS- 0.0	510-MIZ30	13R
93	**113**	00136	510UL	0.3 92	NQI	LTE+ 11.3	510-MIZ30	13R
		00302	520HF	0.0 0	NDF	LTE+ 11.3	SPEC-INT	13R

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		00313	540HF	0.3 118	INR	LTE+ 11.4	540-MIZ30	13R
		00136	510UL	0.3 5	ID 17	15S+ 39.5	510-MIZ30	13R
		00382	520HF	0.3 7	VOL	15S+ 39.8	SPEC-INT	13R
		00382	520HF	Cr 0.15	Ax 0.16	15S+ 39.8	SPEC-INT	13R
		00313	540HF	0.2 13	BVC	15S+ 39.8	540-MIZ30	13R
93	**123**	00390	520HF	0.2 7	VOL	15S+ 7.7	SPEC-INT	13R
		00390	520HF	Cr 0.15	Ax 0.19	15S+ 7.7	SPEC-INT	13R
		00390	520HF	Cr 0.15	Ax 0.19	15S+ 7.9	SPEC-INT	13R
		00390	520HF	0.4 7	VOL	15S+ 7.9	SPEC-INT	13R
		00354	540HF	0.3 8	BVC	15S+ 7.9	540-MIZ30	13R
		00390	520HF	0.4 2	VOL	15S+ 8.3	SPEC-INT	13R
		00390	520HF	Cr 0.20	Ax 0.19	15S+ 8.3	SPEC-INT	13R
		00354	540HF	0.3 8	BVC	15S+ 8.3	540-MIZ30	13R
94	5	00274	510UL	0.2 85	NQI	08S+ 0.6	510-MIZ30	13R
		00344	520HF	1.0 0	WAR 18	08S+ 0.8	SPEC-INT	13R
94	**43**	00219	520HF	0.1 36	VOL	ETL- 0.9	KET03	13R
		00219	520HF	Cr 0.13	Ax 0.14	ETL- 0.9	KET03	13R
		00219	520HF	0.1 11	VOL	ETL- 0.6	KET03	13R
		00219	520HF	Cr 0.13	Ax 0.14	ETL- 0.6	KET03	13R
		00219	520HF	0.1 33	VOL	ETL- 0.5	KET03	13R
		00219	520HF	Cr 0.20	Ax 0.09	ETL- 0.5	KET03	13R
94	**50**	00217	520HF	Cr 0.12	Ax 0.15	ETL- 0.8	KET12	13R
		00217	520HF	0.2 10	VOL	ETL- 0.8	KET12	13R
94	**52**	00217	520HF	Cr 0.12	Ax 0.15	ETL -1.2	KET03	13R
		00217	520HF	0.2 11	VOL	ETL -1.2	KET03	13R
94	59	00012	510UL	0.5 90	NQI	LTS- 0.5	510-MIZ30	13R
		00137	520HF	0.0 0	NDF	LTS- 0.5	SPEC-INT	13R
94	62	00012	510UL	0.6 72	INR	LTS+ 1.4	510-MIZ30	13R
94	66	00052	520HF	0.0 0	NDF	LTE+ 17.8	SPEC-INT	13R
		00012	510UL	0.3 86	NQI	LTE+ 17.8	510-MIZ30	13R
94	**70**	00093	520HF	0.6 17	VOL	ETL- 0.4	KET12	13R
		00093	520HF	Cr 0.21	Ax 0.18	ETL- 0.4	KET12	13R
94	**71**	00052	520HF	0.0 0	NDF	LTE+ 16.5	SPEC-INT	13R
		00012	510UL	0.2 87	NQI	LTE+ 16.5	510-MIZ30	13R
		00091	520HF	0.3 2	VOL	ETL- 0.6	KET12	13R
		00091	520HF	Cr 0.21	Ax 0.15	ETL- 0.6	KET12	13R
94	**79**	00149	520HF	Cr 0.05	Ax 0.09	ETL -1.1	KET12	13R
		00149	520HF	0.2 8	VOL	ETL -1.1	KET12	13R
94	93	00070	510UL	6.8 176	DNT	LTS+ 0.0	510-MIZ30	13R
94	94	00072	510UL	11.5 171	DNT	LTS- 0.1	510-MIZ30	13R
94	95	00070	510UL	9.9 174	DNT	LTS+ 0.0	510-MIZ30	13R
94	107	00136	510UL	0.2 120	INR	LTE+ 17.4	510-MIZ30	13R
94	**113**	00317	540HF	0.4 7	ID 23	15S+ 33.5	540-MIZ30	13R
		00302	520HF	0.4 21	VOL	15S+ 33.7	SPEC-INT	13R
		00302	520HF	Cr 0.17	Ax 0.16	15S+ 33.7	SPEC-INT	13R
94	115	00138	510UL	0.2 108	INR	04S- 0.8	510-MIZ30	13R
94	**116**	00138	510UL	0.2 94	NQI	13S+ 17.0	510-MIZ30	13R
		00302	520HF	0.0 0	NDF	13S+ 17.0	SPEC-INT	13R
		00183	520HF	Cr 0.16	Ax 0.12	ETL -1.2	KET12	13R
		00183	520HF	0.3 19	VOL	ETL -1.2	KET12	13R

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94	**117**	00317	540HF	0.6 6	ID 20	15S+ 44.1	540-MIZ30	13R
		00302	520HF	0.4 15	VOL	15S+ 44.1	SPEC-INT	13R
		00302	520HF	Cr 0.22	Ax 0.15	15S+ 44.1	SPEC-INT	13R
		00302	520HF	Cr 0.17	Ax 0.20	UTS+ 0.8	SPEC-INT	13R
		00302	520HF	0.3 22	VOL	UTS+ 0.8	SPEC-INT	13R
94	124	00136	510UL	0.2 93	NQI	10S+ 8.6	510-MIZ30	13R
		00306	520HF	0.0 0	NDF	10S+ 8.6	SPEC-INT	13R
		00136	510UL	0.2 120	NQI	10S+ 9.3	510-MIZ30	13R
		00306	520HF	0.0 0	NDF	10S+ 9.3	SPEC-INT	13R
95	61	00062	540HF	0.9 3	INR	12S+ 25.5	540-MIZ30	13R
95	72	00070	510UL	0.2 86	NQI	LTE+ 22.3	510-MIZ30	13R
		00312	520HF	0.0 0	NDF	LTE+ 22.3	SPEC-INT	13R
95	75	00070	510UL	5.1 173	DNT	LTS+ 0.2	510-MIZ30	13R
95	77	00070	510UL	10.0 175	DNT	LTS+ 0.0	510-MIZ30	13R
95	80	00070	510UL	2.7 174	DNT	LTE+ 10.2	510-MIZ30	13R
95	**111**	00302	520HF	0.3 22	VOL	15S+ 40.3	SPEC-INT	13R
		00302	520HF	Cr 0.17	Ax 0.15	15S+ 40.3	SPEC-INT	13R
		00317	540HF	0.4 13	BVC	15S+ 40.5	540-MIZ30	13R
		00302	520HF	0.3 16	VOL	15S+ 42.6	SPEC-INT	13R
		00302	520HF	Cr 0.11	Ax 0.15	15S+ 42.6	SPEC-INT	13R
95	113	00136	510UL	3.2 181	DNT	08S+ 36.9	510-MIZ30	13R
95	**123**	00382	520HF	0.0 0	NDF	10S+ 2.9	SPEC-INT	13R
		00317	540HF	0.3 64	NQI	10S+ 2.9	540-MIZ30	13R
		00382	520HF	0.0 0	NDF	10S+ 7.8	SPEC-INT	13R
		00317	540HF	0.2 111	NQI	10S+ 7.8	540-MIZ30	13R
		00317	540HF	1.3 9	ID 30	UTS+ 2.0	540-MIZ30	13R
		00382	520HF	1.5 22	VOL	UTS+ 2.1	SPEC-INT	13R
		00382	520HF	Cr 0.26	Ax 0.24	UTS+ 2.1	SPEC-INT	13R
95	**127**	00306	520HF	0.1 18	VOL	12S+ 7.8	SPEC-INT	13R
		00306	520HF	Cr 0.17	Ax 0.10	12S+ 7.8	SPEC-INT	13R
		00306	520HF	0.2 18	VOL	12S+ 10.1	SPEC-INT	13R
		00306	520HF	Cr 0.17	Ax 0.10	12S+ 10.1	SPEC-INT	13R
		00306	520HF	Cr 0.11	Ax 0.15	12S+ 11.7	SPEC-INT	13R
		00306	520HF	0.2 23	VOL	12S+ 11.7	SPEC-INT	13R
		00306	520HF	Cr 0.11	Ax 0.10	12S+ 13.4	SPEC-INT	13R
		00306	520HF	0.2 27	VOL	12S+ 13.4	SPEC-INT	13R
		00317	540HF	0.3 12	BVC	12S+ 13.4	540-MIZ30	13R
		00306	520HF	0.0 0	NDF	12S+ 21.5	SPEC-INT	13R
		00317	540HF	0.2 6	BVC	12S+ 21.5	540-MIZ30	13R
		00317	540HF	0.3 9	BVC	12S+ 25.0	540-MIZ30	13R
		00306	520HF	Cr 0.17	Ax 0.15	12S+ 25.1	SPEC-INT	13R
		00306	520HF	0.3 15	VOL	12S+ 25.1	SPEC-INT	13R
		00306	520HF	Cr 0.17	Ax 0.10	12S+ 25.6	SPEC-INT	13R
		00306	520HF	0.3 26	VOL	12S+ 25.6	SPEC-INT	13R
		00306	520HF	0.1 8	VOL	12S+ 29.0	SPEC-INT	13R
		00306	520HF	Cr 0.11	Ax 0.10	12S+ 29.0	SPEC-INT	13R
		00306	520HF	Cr 0.17	Ax 0.10	15S+ 13.3	SPEC-INT	13R
		00306	520HF	1.1 29	VOL	15S+ 13.3	SPEC-INT	13R
		00317	540HF	0.3 13	BVC	15S+ 13.3	540-MIZ30	13R
96	22	00276	510UL	0.3 118	NQI	15S+ 26.7	510-MIZ30	13R

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		00344	520HF	0.0 0	NDF	15S+ 26.7	SPEC-INT	13R
96	**32**	00297	540HF	0.8 7	ID 23	15S+ 37.6	540-MIZ30	13R
		00289	520HF	0.7 16	VOL	UTS -9.1	SPEC-INT	13R
		00289	520HF	Cr 0.14	Ax 0.10	UTS -9.1	SPEC-INT	13R
		00297	540HF	0.4 11	ID 37	15S+ 43.2	540-MIZ30	13R
		00289	520HF	0.8 22	VOL	UTS -3.2	SPEC-INT	13R
		00289	520HF	Cr 0.19	Ax 0.15	UTS -3.2	SPEC-INT	13R
		00297	540HF	0.5 10	ID 33	UTS+ 3.5	540-MIZ30	13R
		00289	520HF	0.7 24	VOL	ETL -3.3	SPEC-INT	13R
		00289	520HF	Cr 0.19	Ax 0.15	ETL -3.3	SPEC-INT	13R
96	**61**	00344	520HF	0.5 0	WAR 9	04S+ 0.7	SPEC-INT	13R
		00248	510UL	0.2 59	NQI	04S+ 0.7	510-MIZ30	13R
		00322	520HF	Cr 0.11	Ax 0.12	ETL -4.9	SPEC-INT	13R
		00322	520HF	0.3 17	VOL	ETL -4.9	SPEC-INT	13R
		00322	520HF	0.2 21	VOL	ETL -3.8	SPEC-INT	13R
		00322	520HF	Cr 0.11	Ax 0.17	ETL -3.8	SPEC-INT	13R
		00322	520HF	Cr 0.16	Ax 0.17	ETL -1.2	SPEC-INT	13R
		00322	520HF	0.7 16	VOL	ETL -1.2	SPEC-INT	13R
		00344	520HF	0.8 3	VOL	ETL -1.1	SPEC-INT	13R
		00344	520HF	Cr 0.22	Ax 0.17	ETL -1.1	SPEC-INT	13R
96	76	00038	520HF	0.0 0	PRA	LTS- 0.1	LTS-KIDNEY	13R
		00072	510UL	18.1 170	DNT	LTS- 0.1	510-MIZ30	13R
		00302	520HF	0.0 0	NDF	LTS- 0.1	SPEC-INT	13R
96	87	00070	510UL	0.1 62	NQI	07S- 0.4	510-MIZ30	13R
		00302	520HF	0.0 0	NDF	07S- 0.4	SPEC-INT	13R
96	102	00136	510UL	0.3 90	NQI	LTS+ 9.5	510-MIZ30	13R
		00302	520HF	0.0 0	NDF	LTS+ 9.5	SPEC-INT	13R
96	**112**	00136	510UL	0.3 9	BVC	15S+ 4.3	510-MIZ30	13R
		00313	540HF	0.4 7	ID 23	15S+ 4.3	540-MIZ30	13R
		00336	520HF	Cr 0.16	Ax 0.19	15S+ 4.4	SPEC-INT	13R
		00336	520HF	0.3 21	VOL	15S+ 4.4	SPEC-INT	13R
96	**114**	00302	520HF	Cr 0.17	Ax 0.22	15S+ 5.9	SPEC-INT	13R
		00302	520HF	0.4 9	VOL	15S+ 5.9	SPEC-INT	13R
		00317	540HF	0.4 7	BVC	15S+ 6.0	540-MIZ30	13R
96	123	00136	510UL	3.2 170	DNT	LTE+ 10.8	510-MIZ30	13R
97	9	00394	540HF	0.3 358	INR	15S+ 32.2	540-MIZ30	13R
		00272	510UL	0.3 11	ID 37	15S+ 33.2	510-MIZ30	13R
97	**25**	00297	540HF	0.6 5	ID 17	15S+ 31.5	540-MIZ30	13R
		00297	540HF	0.7 5	ID 17	15S+ 33.9	540-MIZ30	13R
		00289	520HF	Cr 0.14	Ax 0.15	UTS -16.0	SPEC-INT	13R
		00289	520HF	0.2 13	VOL	UTS -16.0	SPEC-INT	13R
		00378	520HF	Cr 0.15	Ax 0.22	UTS -14.9	SPEC-INT	13R
		00378	520HF	0.2 15	VOL	UTS -14.9	SPEC-INT	13R
		00289	520HF	Cr 0.19	Ax 0.15	UTS -13.2	KET12	13R
		00289	520HF	0.5 17	VOL	UTS -13.2	KET12	13R
		00378	520HF	0.3 15	VOL	UTS -12.4	SPEC-INT	13R
		00378	520HF	Cr 0.20	Ax 0.16	UTS -12.4	SPEC-INT	13R
		00289	520HF	0.4 17	VOL	UTS -11.1	KET12	13R
		00289	520HF	Cr 0.19	Ax 0.15	UTS -11.1	KET12	13R
97	**51**	00219	520HF	Cr 0.13	Ax 0.14	ETL- 0.4	KET12	13R

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		00219	520HF	0.2 19	VOL	ETL- 0.4	KET12	13R
97	**59**	00103	520HF	Cr 0.16	Ax 0.09	ETL -1.6	KET06	13R
		00103	520HF	0.2 21	VOL	ETL -1.6	KET06	13R
97	**60**	00189	520HF	0.3 3	VOL	ETL -1.4	KET12	13R
		00189	520HF	Cr 0.11	Ax 0.11	ETL -1.4	KET12	13R
97	75	00072	510UL	6.7 173	DNT	LTS- 0.2	510-MIZ30	13R
97	76	00040	520HF	0.0 0	PRA	LTS- 0.1	LTS-KIDNEY	13R
		00070	510UL	29.1 173	DNT	LTS- 0.1	510-MIZ30	13R
		00302	520HF	0.0 0	NDF	LTS- 0.1	SPEC-INT	13R
97	77	00072	510UL	15.0 170	DNT	LTS- 0.1	510-MIZ30	13R
97	82	00072	510UL	5.5 170	DNT	LTS- 0.2	510-MIZ30	13R
97	84	00070	510UL	4.7 175	DNT	LTS- 0.2	510-MIZ30	13R
97	94	00070	510UL	0.2 103	NQI	LTS+ 2.4	510-MIZ30	13R
		00294	520HF	0.0 0	NDF	LTS+ 2.4	SPEC-INT	13R
97	105	00136	510UL	0.6 57	NQI	LTE+ 4.8	510-MIZ30	13R
		00294	520HF	0.0 0	NDF	LTE+ 4.8	SPEC-INT	13R
98	**25**	00297	540HF	0.3 8	BVC	15S+ 30.7	540-MIZ30	13R
		00297	540HF	0.4 9	ID 30	15S+ 33.7	540-MIZ30	13R
		00378	520HF	Cr 0.15	Ax 0.16	UTS -15.6	SPEC-INT	13R
		00378	520HF	0.2 30	VOL	UTS -15.6	SPEC-INT	13R
		00297	540HF	0.3 8	BVC	15S+ 35.7	540-MIZ30	13R
		00289	520HF	0.0 0	NDF	UTS -12.8	SPEC-INT	13R
		00378	520HF	0.5 23	VOL	UTS -12.3	SPEC-INT	13R
		00378	520HF	Cr 0.20	Ax 0.16	UTS -12.3	SPEC-INT	13R
		00378	520HF	Cr 0.20	Ax 0.10	UTS -10.4	SPEC-INT	13R
		00378	520HF	0.4 19	VOL	UTS -10.4	SPEC-INT	13R
98	33	00354	540HF	1.1 6	ID 20	05S+ 15.1	540-MIZ30	13R
		00378	520HF	0.0 0	NDF	05S+ 15.1	SPEC-INT	13R
		00250	510UL	1.1 6	ID 20	05S+ 15.3	510-MIZ30	13R
98	74	00072	510UL	12.6 172	DNT	LTS- 0.2	510-MIZ30	13R
98	76	00072	510UL	12.6 171	DNT	LTS- 0.1	510-MIZ30	13R
98	77	00040	520HF	0.0 0	PRA	LTS+ 0.0	LTS-KIDNEY	13R
		00070	510UL	31.6 174	DNT	LTS+ 0.0	510-MIZ30	13R
		00294	520HF	0.0 0	NDF	LTS+ 0.0	SPEC-INT	13R
98	78	00038	520HF	0.0 0	PRA	LTS- 0.1	LTS-KIDNEY	13R
		00072	510UL	23.8 170	DNT	LTS- 0.1	510-MIZ30	13R
		00294	520HF	0.0 0	NDF	LTS- 0.1	SPEC-INT	13R
98	79	00070	510UL	8.2 174	DNT	LTS- 0.2	510-MIZ30	13R
98	83	00070	510UL	14.1 174	DNT	LTS- 0.2	510-MIZ30	13R
98	84	00038	520HF	0.0 0	PRA	LTS- 0.1	LTS-KIDNEY	13R
		00072	510UL	17.8 169	DNT	LTS- 0.1	510-MIZ30	13R
		00294	520HF	0.0 0	NDF	LTS- 0.1	SPEC-INT	13R
98	85	00070	510UL	4.2 175	DNT	LTS- 0.2	510-MIZ30	13R
98	**92**	00317	540HF	0.2 14	BVC	15S+ 44.9	540-MIZ30	13R
		00294	520HF	Cr 0.11	Ax 0.10	15S+ 44.9	SPEC-INT	13R
		00294	520HF	0.2 9	VOL	15S+ 44.9	SPEC-INT	13R
		00382	520HF	Cr 0.15	Ax 0.16	15S+ 45.2	SPEC-INT	13R
		00382	520HF	0.2 21	VOL	15S+ 45.2	SPEC-INT	13R
98	94	00070	510UL	1.1 0	INR	03S+ 24.4	510-MIZ30	13R
98	98	00136	510UL	2.5 177	DNT	03S+ 22.7	510-MIZ30	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
98	115	00138	510UL	1.9 87	ADI	06S+ 20.2	510-MIZ30	13R
		00294	520HF	1.2 76	MBM	06S+ 20.4	SPEC-INT	13R
		00138	510UL	0.3 90	INR	08S+ 13.9	510-MIZ30	13R
		00138	510UL	0.2 120	INR	08S+ 21.9	510-MIZ30	13R
99	**1**	00372	510UL	8.1 178	DNT	LTE+ 10.5	510-MIZ30	13R
		00297	540HF	0.6 6	ID 20	04S+ 24.0	540-MIZ30	13R
		00378	520HF	0.0 0	NDF	05S -15.0	SPEC-INT	13R
		00297	540HF	0.7 6	ID 20	05S+ 12.7	540-MIZ30	13R
		00378	520HF	0.0 0	NDF	05S+ 13.0	SPEC-INT	13R
		00297	540HF	0.4 7	ID 23	08S+ 5.1	540-MIZ30	13R
		00289	520HF	Cr 0.09	Ax 0.10	08S+ 5.3	SPEC-INT	13R
		00289	520HF	0.3 19	VOL	08S+ 5.3	SPEC-INT	13R
		00378	520HF	0.0 0	NDF	09S+ 2.5	SPEC-INT	13R
		00297	540HF	0.4 11	ID 37	09S+ 2.5	540-MIZ30	13R
99	2	00272	510UL	8.5 177	DNT	LTE+ 10.4	510-MIZ30	13R
99	15	00272	510UL	0.4 10	ID 33	15S+ 32.0	510-MIZ30	13R
		00394	540HF	0.4 357	INR	15S+ 32.0	540-MIZ30	13R
99	**17**	00297	540HF	0.5 10	ID 33	15S+ 33.0	540-MIZ30	13R
		00378	520HF	Cr 0.15	Ax 0.16	UTS -13.4	SPEC-INT	13R
		00378	520HF	0.3 4	VOL	UTS -13.4	SPEC-INT	13R
99	***29***	*00272*	*510UL*	*0.2 121*	*NQI*	*15S+ 19.1*	*510-MIZ30*	*13R*
		00344	*520HF*	*0.0 0*	*NDF*	*15S+ 19.1*	*SPEC-INT*	*13R*
		00217	*520HF*	*Cr 0.18*	*Ax 0.15*	*ETL- 0.1*	*KET12*	*13R*
		00217	*520HF*	*0.5 28*	*VOL*	*ETL- 0.1*	*KET12*	*13R*
99	**33**	00217	520HF	Cr 0.18	Ax 0.15	ETL- 0.9	KET12	13R
		00217	520HF	0.3 15	VOL	ETL- 0.9	KET12	13R
99	**59**	00103	520HF	0.1 10	VOL	ETL -1.5	KET12	13R
		00103	520HF	Cr 0.16	Ax 0.14	ETL -1.5	KET12	13R
99	62	00248	510UL	0.5 11	ID 37	15S+ 34.3	510-MIZ30	13R
		00354	540HF	0.5 4	INR	15S+ 34.3	540-MIZ30	13R
99	65	00070	510UL	0.2 71	NQI	08S+ 16.0	510-MIZ30	13R
		00312	520HF	0.0 0	NDF	08S+ 16.0	SPEC-INT	13R
99	73	00040	520HF	0.0 0	PRA	LTS- 0.0	LTS-KIDNEY	13R
		00072	510UL	30.2 171	DNT	LTS- 0.0	510-MIZ30	13R
		00312	520HF	0.0 0	NDF	LTS- 0.0	SPEC-INT	13R
99	74	00038	520HF	0.0 0	PRA	LTS- 0.1	LTS-KIDNEY	13R
		00070	510UL	24.6 174	DNT	LTS- 0.1	510-MIZ30	13R
		00294	520HF	0.0 0	NDF	LTS- 0.1	SPEC-INT	13R
99	75	00072	510UL	6.3 173	DNT	LTS- 0.1	510-MIZ30	13R
99	76	00038	520HF	0.0 0	PRA	LTS- 0.0	LTS-KIDNEY	13R
		00070	510UL	28.5 173	DNT	LTS- 0.0	510-MIZ30	13R
		00294	520HF	0.0 0	NDF	LTS- 0.0	SPEC-INT	13R
99	77	00040	520HF	0.0 0	PRA	LTS- 0.0	LTS-KIDNEY	13R
		00072	510UL	38.3 170	DNT	LTS- 0.0	510-MIZ30	13R
		00294	520HF	0.0 0	NDF	LTS- 0.0	SPEC-INT	13R
		00294	520HF	0.3 0	WAR 8	07S- 0.5	SPEC-INT	13R
		00072	510UL	0.1 82	NQI	07S- 0.5	510-MIZ30	13R
99	78	00038	520HF	0.0 0	PRA	LTS- 0.0	LTS-KIDNEY	13R
		00070	510UL	33.3 173	DNT	LTS- 0.0	510-MIZ30	13R
		00294	520HF	0.0 0	NDF	LTS- 0.0	SPEC-INT	13R

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99	79	00072	510UL	14.2 171	DNT	LTS- 0.1	510-MIZ30	13R
99	82	00070	510UL	8.2 178	DNT	LTS- 0.2	510-MIZ30	13R
99	83	00038	520HF	0.0 0	PRA	LTS- 0.1	LTS-KIDNEY	13R
		00072	510UL	25.0 169	DNT	LTS- 0.1	510-MIZ30	13R
		00294	520HF	0.0 0	NDF	LTS- 0.1	SPEC-INT	13R
99	84	00070	510UL	9.7 173	DNT	LTS- 0.2	510-MIZ30	13R
99	**91**	00139	520HF	0.2 20	VOL	ETL -1.1	KET12	13R
		00139	520HF	Cr 0.12	Ax 0.12	ETL -1.1	KET12	13R
99	**93**	00139	520HF	0.2 12	VOL	ETL- 0.3	KET12	13R
		00139	520HF	Cr 0.19	Ax 0.15	ETL- 0.3	KET12	13R
99	99	00136	510UL	0.2 60	NQI	LTS+ 13.1	510-MIZ30	13R
		00294	520HF	0.0 0	NDF	LTS+ 13.1	SPEC-INT	13R
99	112	00317	540HF	0.2 5	INR	15S+ 7.2	540-MIZ30	13R
		00317	540HF	0.3 1	INR	15S+ 13.3	540-MIZ30	13R
99	121	00138	510UL	0.2 101	NQI	10S+ 7.3	510-MIZ30	13R
		00306	520HF	0.0 0	NDF	10S+ 7.3	SPEC-INT	13R
99	124	00138	510UL	2.9 177	DNT	LTE+ 10.3	510-MIZ30	13R
		00138	510UL	3.4 174	DNT	LTE+ 10.9	510-MIZ30	13R
100	2	00272	510UL	7.6 177	DNT	LTE+ 10.3	510-MIZ30	13R
		00272	510UL	0.4 53	NQI	10S- 0.9	510-MIZ30	13R
		00402	520HF	0.3 0	WAR 15	10S- 0.9	SPEC-INT	13R
100	**23**	00289	520HF	0.8 14	VOL	ETL -2.5	SPEC-INT	13R
		00289	520HF	Cr 0.19	Ax 0.15	ETL -2.5	SPEC-INT	13R
100	24	00272	510UL	0.4 7	ID 23	15S+ 25.2	510-MIZ30	13R
		00394	540HF	0.4 0	INR	15S+ 25.2	540-MIZ30	13R
100	**31**	00297	540HF	0.2 5	BVC	UTS+ 3.5	540-MIZ30	13R
		00297	540HF	0.2 13	BVC	UTS+ 6.2	540-MIZ30	13R
		00289	520HF	0.3 17	VOL	ETL -3.7	SPEC-INT	13R
		00289	520HF	Cr 0.14	Ax 0.10	ETL -3.7	SPEC-INT	13R
		00289	520HF	0.2 25	VOL	ETL -1.0	SPEC-INT	13R
		00289	520HF	Cr 0.14	Ax 0.15	ETL -1.0	SPEC-INT	13R
100	**33**	00297	540HF	0.2 7	ID 23	UTS+ 6.0	540-MIZ30	13R
		00289	520HF	Cr 0.09	Ax 0.10	ETL -1.4	SPEC-INT	13R
		00289	520HF	0.2 17	VOL	ETL -1.4	SPEC-INT	13R
100	**34**	00378	520HF	0.2 57	VOL	UTS+ 6.1	SPEC-INT	13R
		00378	520HF	Cr 0.20	Ax 0.10	UTS+ 6.1	SPEC-INT	13R
		00297	540HF	0.4 10	ID 33	UTS+ 6.1	540-MIZ30	13R
100	37	00250	510UL	0.3 3	INR	UTS+ 3.3	510-MIZ30	13R
		00297	540HF	0.4 1	INR	UTS+ 3.6	540-MIZ30	13R
100	**51**	00297	540HF	0.4 6	BVC	UTS+ 5.1	540-MIZ30	13R
		00297	540HF	0.3 2	INR	UTS+ 6.3	540-MIZ30	13R
		00289	520HF	Cr 0.09	Ax 0.10	ETL -2.2	SPEC-INT	13R
		00289	520HF	0.2 4	VOL	ETL -2.2	SPEC-INT	13R
		00289	520HF	Cr 0.19	Ax 0.15	ETL- 0.9	SPEC-INT	13R
		00289	520HF	0.3 24	VOL	ETL- 0.9	SPEC-INT	13R
100	72	00040	520HF	0.0 0	PRA	LTS- 0.1	LTS-KIDNEY	13R
		00070	510UL	16.3 176	DNT	LTS- 0.1	510-MIZ30	13R
		00312	520HF	0.0 0	NDF	LTS- 0.1	SPEC-INT	13R
100	73	00038	520HF	0.0 0	PRA	LTS- 0.1	LTS-KIDNEY	13R
		00072	510UL	33.7 170	DNT	LTS- 0.1	510-MIZ30	13R

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		00312	520HF	0.0 0	NDF	LTS- 0.1	SPEC-INT	13R
100	74	00040	520HF	0.0 0	PRA	LTS+ 0.0	LTS-KIDNEY	13R
		00070	510UL	26.8 174	DNT	LTS+ 0.0	510-MIZ30	13R
		00294	520HF	0.0 0	NDF	LTS+ 0.0	SPEC-INT	13R
100	75	00038	520HF	0.0 0	PRA	LTS- 0.0	LTS-KIDNEY	13R
		00072	510UL	22.5 170	DNT	LTS- 0.0	510-MIZ30	13R
		00294	520HF	0.0 0	NDF	LTS- 0.0	SPEC-INT	13R
100	76	00040	520HF	0.0 0	PRA	LTS+ 0.0	LTS-KIDNEY	13R
		00070	510UL	32.9 174	DNT	LTS+ 0.0	510-MIZ30	13R
		00294	520HF	0.0 0	NDF	LTS+ 0.0	SPEC-INT	13R
100	77	00038	520HF	0.0 0	PRA	LTS- 0.0	LTS-KIDNEY	13R
		00072	510UL	29.1 170	DNT	LTS- 0.0	510-MIZ30	13R
		00294	520HF	0.0 0	NDF	LTS- 0.0	SPEC-INT	13R
100	78	00040	520HF	0.0 0	PRA	LTS- 0.0	LTS-KIDNEY	13R
		00070	510UL	24.3 173	DNT	LTS- 0.0	510-MIZ30	13R
		00294	520HF	0.0 0	NDF	LTS- 0.0	SPEC-INT	13R
100	79	00072	510UL	15.6 170	DNT	LTS- 0.1	510-MIZ30	13R
100	80	00070	510UL	4.0 179	DNT	LTS- 0.3	510-MIZ30	13R
100	81	00072	510UL	12.1 170	DNT	LTS- 0.1	510-MIZ30	13R
100	82	00070	510UL	12.2 174	DNT	LTS- 0.2	510-MIZ30	13R
100	83	00072	510UL	8.4 169	DNT	LTS- 0.1	510-MIZ30	13R
100	**90**	00317	540HF	0.4 7	BVC	UTS+ 2.9	540-MIZ30	13R
		00294	520HF	Cr 0.17	Ax 0.15	UTS+ 3.0	SPEC-INT	13R
		00294	520HF	1.0 17	VOL	UTS+ 3.0	SPEC-INT	13R
100	96	00138	510UL	0.1 84	INR	15S+ 0.8	510-MIZ30	13R
100	**122**	00317	540HF	2.7 172	DNT	LTE+ 10.1	540-MIZ30	13R
		00317	540HF	3.0 174	DNT	LTE+ 11.0	540-MIZ30	13R
		00317	540HF	0.6 8	ID 27	UTS+ 5.2	540-MIZ30	13R
		00317	540HF	0.6 8	ID 27	UTS+ 5.4	540-MIZ30	13R
		00306	520HF	Cr 0.17	Ax 0.15	ETL -2.7	SPEC-INT	13R
		00306	520HF	0.5 41	VOL	ETL -2.7	SPEC-INT	13R
		00306	520HF	Cr 0.17	Ax 0.10	ETL -2.3	SPEC-INT	13R
		00306	520HF	1.1 27	VOL	ETL -2.3	SPEC-INT	13R
		00306	520HF	0.5 25	VOL	ETL -2.1	SPEC-INT	13R
		00306	520HF	Cr 0.22	Ax 0.21	ETL -2.1	SPEC-INT	13R
101	1	00272	510UL	9.4 178	DNT	LTE+ 10.9	510-MIZ30	13R
101	12	00272	510UL	0.2 94	NQI	08S- 0.5	510-MIZ30	13R
		00400	520HF	0.0 0	NDF	08S- 0.5	KET12	13R
101	**16**	00297	540HF	0.4 9	ID 30	15S+ 31.1	540-MIZ30	13R
		00378	520HF	Cr 0.15	Ax 0.10	UTS -14.9	SPEC-INT	13R
		00378	520HF	0.3 15	VOL	UTS -14.9	SPEC-INT	13R
101	**28**	00319	520HF	0.2 31	VOL	ETL- 0.4	KET12	13R
		00319	520HF	Cr 0.15	Ax 0.17	ETL- 0.4	KET12	13R
101	**44**	00219	520HF	Cr 0.19	Ax 0.15	ETL- 0.1	KET12	13R
		00219	520HF	0.4 20	VOL	ETL- 0.1	KET12	13R
101	**51**	00289	520HF	Cr 0.10	Ax 0.10	UTS- 0.3	KET06	13R
		00289	520HF	0.3 15	VOL	UTS- 0.3	KET06	13R
		00297	540HF	0.7 6	ID 20	UTS+ 1.4	540-MIZ30	13R
		00297	540HF	0.7 10	ID 33	UTS+ 4.1	540-MIZ30	13R
		00289	520HF	Cr 0.24	Ax 0.24	ETL -6.0	KET06	13R

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		00289	520HF	0.6 24	VOL	ETL -6.0	KET06	13R
		00297	540HF	0.4 11	ID 37	UTS+ 6.0	540-MIZ30	13R
		00289	520HF	0.4 13	VOL	ETL -4.2	KET06	13R
		00289	520HF	Cr 0.14	Ax 0.20	ETL -4.2	KET06	13R
		00297	540HF	0.3 10	BNR	UTS+ 6.4	540-MIZ30	13R
		00289	520HF	0.6 17	VOL	ETL -3.3	KET06	13R
		00289	520HF	Cr 0.14	Ax 0.20	ETL -3.3	KET06	13R
		00289	520HF	Cr 0.19	Ax 0.15	ETL -2.4	KET06	13R
		00289	520HF	0.7 13	VOL	ETL -2.4	KET06	13R
		00289	520HF	Cr 0.19	Ax 0.15	ETL -1.2	SPEC-INT	13R
		00289	520HF	0.8 23	VOL	ETL -1.2	SPEC-INT	13R
		00217	520HF	0.0 0	PRA	ETL- 0.8	KET06	13R
		00289	520HF	0.5 16	VOL	ETL- 0.8	SPEC-INT	13R
		00289	520HF	Cr 0.19	Ax 0.15	ETL- 0.8	SPEC-INT	13R
		00217	520HF	0.0 0	PRA	ETL- 0.1	KET06	13R
		00289	520HF	0.5 21	VOL	ETL- 0.1	KET06	13R
		00289	520HF	Cr 0.19	Ax 0.15	ETL- 0.1	KET06	13R
101	**55**	00297	540HF	0.4 6	ID 20	UTS+ 6.1	540-MIZ30	13R
		00289	520HF	0.2 5	VOL	ETL -1.4	SPEC-INT	13R
		00289	520HF	Cr 0.19	Ax 0.15	ETL -1.4	SPEC-INT	13R
101	**61**	00297	540HF	0.7 8	ID 27	15S+ 29.5	540-MIZ30	13R
		00289	520HF	Cr 0.19	Ax 0.15	UTS -17.2	SPEC-INT	13R
		00289	520HF	0.6 17	VOL	UTS -17.2	SPEC-INT	13R
101	72	00040	520HF	0.0 0	PRA	LTS+ 0.0	LTS-KIDNEY	13R
		00084	510UL	21.7 173	DNT	LTS+ 0.0	510-MIZ30	13R
		00312	520HF	0.0 0	NDF	LTS+ 0.0	SPEC-INT	13R
101	73	00038	520HF	0.0 0	PRA	LTS- 0.0	LTS-KIDNEY	13R
		00082	510UL	29.5 174	DNT	LTS- 0.0	510-MIZ30	13R
		00294	520HF	0.0 0	NDF	LTS- 0.0	SPEC-INT	13R
101	74	00040	520HF	0.0 0	PRA	LTS+ 0.1	LTS-KIDNEY	13R
		00084	510UL	29.8 173	DNT	LTS+ 0.1	510-MIZ30	13R
		00294	520HF	0.0 0	NDF	LTS+ 0.1	SPEC-INT	13R
101	75	00038	520HF	0.0 0	PRA	LTS- 0.0	LTS-KIDNEY	13R
		00082	510UL	32.1 175	DNT	LTS- 0.0	510-MIZ30	13R
		00294	520HF	0.0 0	NDF	LTS- 0.0	SPEC-INT	13R
101	76	00040	520HF	0.0 0	PRA	LTS+ 0.0	LTS-KIDNEY	13R
		00084	510UL	25.4 173	DNT	LTS+ 0.0	510-MIZ30	13R
		00294	520HF	0.0 0	NDF	LTS+ 0.0	SPEC-INT	13R
101	77	00038	520HF	0.0 0	PRA	LTS- 0.0	LTS-KIDNEY	13R
		00082	510UL	22.8 176	DNT	LTS- 0.0	510-MIZ30	13R
		00294	520HF	0.0 0	NDF	LTS- 0.0	SPEC-INT	13R
101	78	00084	510UL	11.4 174	DNT	LTS- 0.1	510-MIZ30	13R
101	79	00082	510UL	5.5 179	DNT	LTS- 0.2	510-MIZ30	13R
101	80	00084	510UL	0.4 72	NQI	LTS -1.1	510-MIZ30	13R
		00294	520HF	0.0 0	NDF	LTS -1.1	SPEC-INT	13R
		00084	510UL	8.4 174	DNT	LTS- 0.1	510-MIZ30	13R
101	81	00082	510UL	9.6 175	DNT	LTS- 0.2	510-MIZ30	13R
101	91	00070	510UL	0.7 0	ADI	08S+ 30.5	510-MIZ30	13R
		00294	520HF	0.0 0	NDF	08S+ 30.5	SPEC-INT	13R
101	**112**	00382	520HF	0.2 12	VOL	15S+ 7.6	SPEC-INT	13R

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		00382	520HF	Cr 0.10	Ax 0.16	15S+ 7.6	SPEC-INT	13R
		00382	520HF	0.3 12	VOL	15S+ 8.4	SPEC-INT	13R
		00382	520HF	Cr 0.15	Ax 0.16	15S+ 8.4	SPEC-INT	13R
		00382	520HF	Cr 0.15	Ax 0.16	15S+ 10.7	SPEC-INT	13R
		00382	520HF	0.3 12	VOL	15S+ 10.7	SPEC-INT	13R
		00317	540HF	0.4 7	BVC	15S+ 11.0	540-MIZ30	13R
101	114	00152	510UL	0.1 92	NQI	08S- 0.5	510-MIZ30	13R
		00294	520HF	0.3 0	WAR 6	08S- 0.5	SPEC-INT	13R
101	116	00138	510UL	0.1 76	INR	14S+ 0.8	510-MIZ30	13R
101	122	00136	510UL	5.2 173	DNT	LTE+ 10.8	510-MIZ30	13R
102	2	00272	510UL	0.3 55	NQI	10S- 0.9	510-MIZ30	13R
		00402	520HF	0.0 0	NDF	10S- 0.9	SPEC-INT	13R
102	22	00272	510UL	2.9 183	DNT	01S+ 7.5	510-MIZ30	13R
		00402	520HF	0.0 0	NDF	01S+ 7.5	SPEC-INT	13R
		00272	510UL	0.2 81	NQI	01S+ 11.5	510-MIZ30	13R
		00402	520HF	0.0 0	NDF	01S+ 11.5	SPEC-INT	13R
102	63	00082	510UL	6.8 175	DNT	LTE+ 11.0	510-MIZ30	13R
102	64	00084	510UL	5.6 177	DNT	LTE+ 10.9	510-MIZ30	13R
102	72	00084	510UL	4.6 176	DNT	LTS- 0.1	510-MIZ30	13R
102	73	00082	510UL	13.6 175	DNT	LTS- 0.1	510-MIZ30	13R
102	74	00084	510UL	14.9 172	DNT	LTS- 0.1	510-MIZ30	13R
102	75	00038	520HF	0.0 0	PRA	LTS- 0.0	LTS-KIDNEY	13R
		00082	510UL	22.7 174	DNT	LTS- 0.0	510-MIZ30	13R
		00294	520HF	0.0 0	NDF	LTS- 0.0	SPEC-INT	13R
102	76	00084	510UL	9.0 175	DNT	LTS- 0.0	510-MIZ30	13R
102	77	00082	510UL	3.2 183	DNT	LTS- 0.1	510-MIZ30	13R
		00082	510UL	0.2 60	NQI	15S+ 2.1	510-MIZ30	13R
		00294	520HF	0.0 0	NDF	15S+ 2.1	SPEC-INT	13R
102	78	00084	510UL	3.2 184	DNT	12S+ 22.0	510-MIZ30	13R
102	85	00082	510UL	0.2 95	NQI	UTS+ 3.0	510-MIZ30	13R
		00294	520HF	0.0 0	NDF	UTS+ 3.0	SPEC-INT	13R
102	100	00150	510UL	2.8 188	DNT	LTE+ 10.9	510-MIZ30	13R
103	**4**	00263	520HF	Cr 0.23	Ax 0.13	ETL- 0.6	KET06	13R
		00263	520HF	0.7 17	VOL	ETL- 0.6	KET06	13R
103	**34**	00203	520HF	0.4 9	VOL	ETL- 0.6	KET12	13R
		00203	520HF	Cr 0.19	Ax 0.14	ETL- 0.6	KET12	13R
103	61	00220	510UL	7.4 78	ADI	LTS+ 25.1	510-MIZ30	13R
		00327	520HF	0.0 0	NDF	LTS+ 25.1	SPEC-INT	13R
103	63	00222	510UL	5.9 179	DNT	LTE+ 10.6	510-MIZ30	13R
103	65	00084	510UL	6.3 176	DNT	LTE+ 11.0	510-MIZ30	13R
103	74	00082	510UL	4.7 177	DNT	LTS- 0.1	510-MIZ30	13R
103	75	00084	510UL	11.7 175	DNT	LTS+ 0.0	510-MIZ30	13R
103	76	00082	510UL	4.8 183	DNT	LTS- 0.1	510-MIZ30	13R
103	**77**	00313	540HF	0.8 8	ID 27	15S+ 24.8	540-MIZ30	13R
		00294	520HF	0.4 13	VOL	15S+ 24.9	SPEC-INT	13R
		00294	520HF	Cr 0.17	Ax 0.21	15S+ 24.9	SPEC-INT	13R
		00294	520HF	1.8 28	VOL	15S+ 25.2	SPEC-INT	13R
		00294	520HF	Cr 0.22	Ax 0.16	15S+ 25.2	SPEC-INT	13R
		00294	520HF	0.6 11	VOL	15S+ 25.5	SPEC-INT	13R
		00294	520HF	Cr 0.22	Ax 0.21	15S+ 25.5	SPEC-INT	13R

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103	79	00082	510UL	0.2 68	NQI	07S+ 13.1	510-MIZ30	13R
		00294	520HF	0.0 0	NDF	07S+ 13.1	SPEC-INT	13R
103	83	00082	510UL	0.1 99	NQI	04S+ 18.1	510-MIZ30	13R
		00294	520HF	0.0 0	NDF	04S+ 18.1	SPEC-INT	13R
103	**91**	00139	520HF	Cr 0.18	Ax 0.12	ETL -1.7	KET12	13R
		00139	520HF	0.3 17	VOL	ETL -1.7	KET12	13R
		00139	520HF	0.2 8	VOL	ETL- 0.9	KET12	13R
		00139	520HF	Cr 0.12	Ax 0.16	ETL- 0.9	KET12	13R
103	**92**	00141	520HF	Cr 0.21	Ax 0.14	ETL- 0.2	KET06	13R
		00141	520HF	0.6 34	VOL	ETL- 0.2	KET06	13R
103	**112**	00183	520HF	Cr 0.16	Ax 0.18	ETL -1.6	KET03	13R
		00183	520HF	0.9 37	VOL	ETL -1.6	KET03	13R
103	**121**	00313	540HF	0.3 95	INR	03S+ 16.3	540-MIZ30	13R
		00390	520HF	Cr 0.15	Ax 0.16	14S+ 11.5	SPEC-INT	13R
		00390	520HF	0.3 10	VOL	14S+ 11.5	SPEC-INT	13R
		00313	540HF	0.3 6	ID 20	14S+ 11.5	540-MIZ30	13R
		00390	520HF	0.4 5	VOL	14S+ 12.5	SPEC-INT	13R
		00390	520HF	Cr 0.20	Ax 0.16	14S+ 12.5	SPEC-INT	13R
		00313	540HF	0.4 6	ID 20	14S+ 12.5	540-MIZ30	13R
		00313	540HF	0.4 11	ID 37	14S+ 15.8	540-MIZ30	13R
		00390	520HF	0.4 12	VOL	14S+ 15.8	SPEC-INT	13R
		00390	520HF	Cr 0.20	Ax 0.22	14S+ 15.8	SPEC-INT	13R
		00306	520HF	1.2 21	VOL	15S+ 43.8	SPEC-INT	13R
		00306	520HF	Cr 0.17	Ax 0.15	15S+ 43.8	SPEC-INT	13R
		00313	540HF	0.8 9	ID 30	15S+ 44.0	540-MIZ30	13R
		00306	520HF	Cr 0.17	Ax 0.10	15S+ 44.1	SPEC-INT	13R
		00306	520HF	0.7 4	VOL	15S+ 44.1	SPEC-INT	13R
		00306	520HF	0.5 17	VOL	15S+ 44.2	SPEC-INT	13R
		00306	520HF	Cr 0.17	Ax 0.15	15S+ 44.2	SPEC-INT	13R
		00306	520HF	0.3 25	VOL	15S+ 45.4	SPEC-INT	13R
		00306	520HF	Cr 0.11	Ax 0.20	15S+ 45.4	SPEC-INT	13R
103	123	00150	510UL	9.4 177	DNT	LTE+ 10.9	510-MIZ30	13R
104	6	00272	510UL	0.2 49	NQI	09S- 0.3	510-MIZ30	13R
		00402	520HF	0.2 0	WAR 11	09S- 0.1	SPEC-INT	13R
104	**24**	00299	540HF	0.3 10	BVC	UTS+ 3.5	540-MIZ30	13R
		00289	520HF	Cr 0.19	Ax 0.15	UTS+ 3.7	SPEC-INT	13R
		00289	520HF	0.5 20	VOL	UTS+ 3.7	SPEC-INT	13R
104	63	00084	510UL	6.5 176	DNT	LTE+ 11.1	510-MIZ30	13R
104	64	00082	510UL	7.5 177	DNT	LTE+ 10.5	510-MIZ30	13R
104	72	00082	510UL	0.4 91	NQI	13S+ 15.8	510-MIZ30	13R
		00294	520HF	0.0 0	NDF	13S+ 15.8	SPEC-INT	13R
105	7	00272	510UL	0.4 96	NQI	09S- 0.6	510-MIZ30	13R
		00402	520HF	0.4 0	WAR 9	09S- 0.5	SPEC-INT	13R
		00402	520HF	0.5 0	WAR 11	09S- 0.5	SPEC-INT	13R
105	17	00289	520HF	0.0 0	NDF	ETL -1.4	SPEC-INT	13R
105	**20**	00289	520HF	0.6 22	VOL	ETL- 0.3	SPEC-INT	13R
		00289	520HF	Cr 0.24	Ax 0.20	ETL- 0.3	SPEC-INT	13R
105	39	00220	510UL	1.3 90	ADI	LTS+ 23.6	510-MIZ30	13R
		00331	520HF	0.0 0	NDF	LTS+ 23.6	SPEC-INT	13R
105	45	00220	510UL	0.1 91	INR	06S- 0.9	510-MIZ30	13R

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105	**71**	00115	520HF	0.2 33	VOL	ETL- 0.1	KET03	13R
		00115	520HF	Cr 0.18	Ax 0.12	ETL- 0.1	KET03	13R
105	72	00084	510UL	2.0 175	INR	LTS+ 1.2	510-MIZ30	13R
		00084	510UL	2.0 180	INR	02S+ 13.9	510-MIZ30	13R
105	94	00386	520HF	0.4 0	WAR 9	14S- 0.0	SPEC-INT	13R
		00313	540HF	0.6 88	NQI	14S+ 0.0	540-MIZ30	13R
105	95	00150	510UL	1.5 89	ADI	01S+ 27.3	510-MIZ30	13R
		00294	520HF	0.0 0	NDF	01S+ 27.3	SPEC-INT	13R
105	**113**	00294	520HF	0.0 0	NDF	15S+ 25.6	SPEC-INT	13R
		00313	540HF	0.2 7	BVC	15S+ 25.6	540-MIZ30	13R
		00313	540HF	0.3 9	BVC	15S+ 27.7	540-MIZ30	13R
		00294	520HF	Cr 0.11	Ax 0.10	15S+ 28.5	SPEC-INT	13R
		00294	520HF	0.2 9	VOL	15S+ 28.5	SPEC-INT	13R
		00294	520HF	0.1 9	VOL	15S+ 32.7	SPEC-INT	13R
		00294	520HF	Cr 0.11	Ax 0.10	15S+ 32.7	SPEC-INT	13R
		00294	520HF	0.1 8	VOL	15S+ 35.0	SPEC-INT	13R
		00294	520HF	Cr 0.11	Ax 0.10	15S+ 35.0	SPEC-INT	13R
		00294	520HF	0.2 11	VOL	15S+ 37.8	SPEC-INT	13R
		00294	520HF	Cr 0.17	Ax 0.16	15S+ 37.8	SPEC-INT	13R
		00294	520HF	Cr 0.17	Ax 0.16	ETL- 0.6	SPEC-INT	13R
		00294	520HF	0.4 23	VOL	ETL- 0.6	SPEC-INT	13R
106	**2**	00378	520HF	Cr 0.20	Ax 0.16	15S- 0.1	SPEC-INT	13R
		00378	520HF	0.7 22	VOL	15S- 0.1	SPEC-INT	13R
		00378	520HF	Cr 0.15	Ax 0.16	15S+ 10.4	SPEC-INT	13R
		00378	520HF	0.6 24	VOL	15S+ 10.4	SPEC-INT	13R
		00297	540HF	0.3 8	BVC	15S+ 10.4	540-MIZ30	13R
106	4	00270	510UL	0.3 97	NQI	08S+ 0.6	510-MIZ30	13R
		00344	520HF	0.5 0	WAR 13	08S+ 0.7	SPEC-INT	13R
106	**25**	00319	520HF	Cr 0.23	Ax 0.21	ETL -1.0	KET06	13R
		00319	520HF	0.6 28	VOL	ETL -1.0	KET06	13R
106	28	00270	510UL	0.4 106	INR	05S+ 26.2	510-MIZ30	13R
106	**36**	00319	520HF	Cr 0.23	Ax 0.24	ETL- 0.1	KET12	13R
		00319	520HF	0.5 16	VOL	ETL- 0.1	KET12	13R
106	**39**	00203	520HF	0.7 15	VOL	ETL -1.1	KET06	13R
		00203	520HF	Cr 0.13	Ax 0.09	ETL -1.1	KET06	13R
		00203	520HF	0.3 2	VOL	ETL- 0.4	KET06	13R
		00203	520HF	Cr 0.13	Ax 0.09	ETL- 0.4	KET06	13R
		00203	520HF	0.7 23	VOL	ETL- 0.2	KET06	13R
		00203	520HF	Cr 0.13	Ax 0.13	ETL- 0.2	KET06	13R
		00203	520HF	Cr 0.13	Ax 0.13	ETL- 0.2	KET06	13R
		00203	520HF	0.6 25	VOL	ETL- 0.2	KET06	13R
106	**42**	00319	520HF	Cr 0.19	Ax 0.20	ETL -1.1	KET12	13R
		00319	520HF	0.2 23	VOL	ETL -1.1	KET12	13R
106	**45**	00203	520HF	0.5 14	VOL	ETL- 0.3	KET12	13R
		00203	520HF	Cr 0.13	Ax 0.14	ETL- 0.3	KET12	13R
106	**48**	00319	520HF	Cr 0.19	Ax 0.21	ETL -1.1	KET06	13R
		00319	520HF	0.2 23	VOL	ETL -1.1	KET06	13R
106	79	00084	510UL	0.4 97	NQI	LTS- 0.3	510-MIZ30	13R
		00294	520HF	0.0 0	NDF	LTS- 0.3	SPEC-INT	13R
106	**81**	00139	520HF	Cr 0.12	Ax 0.12	ETL -1.3	KET12	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00139	520HF	0.2 4	VOL	ETL -1.3	KET12	13R
		00139	520HF	Cr 0.12	Ax 0.12	ETL -1.2	KET12	13R
		00139	520HF	0.3 18	VOL	ETL -1.2	KET12	13R
106	**88**	00141	520HF	Cr 0.21	Ax 0.15	ETL- 0.4	KET06	13R
		00141	520HF	0.3 13	VOL	ETL- 0.4	KET06	13R
106	99	00150	510UL	5.1 182	IDC	LTS+ 2.6	510-MIZ30	13R
		00336	520HF	0.0 0	NDF	LTS+ 2.6	SPEC-INT	13R
106	**112**	00313	540HF	0.3 8	BVC	15S+ 45.2	540-MIZ30	13R
		00294	520HF	Cr 0.17	Ax 0.16	UTS -1.4	SPEC-INT	13R
		00294	520HF	0.4 20	VOL	UTS -1.4	SPEC-INT	13R
		00294	520HF	0.0 0	NDF	UTS+ 1.3	SPEC-INT	13R
106	**115**	00271	520HF	Cr 0.11	Ax 0.11	ETL- 0.3	KET12	13R
		00271	520HF	0.2 7	VOL	ETL- 0.3	KET12	13R
106	118	00152	510UL	5.1 175	DNT	LTE+ 11.5	510-MIZ30	13R
107	**2**	00297	540HF	0.6 5	ID 17	15S+ 33.3	540-MIZ30	13R
		00378	520HF	0.9 22	VOL	UTS -13.1	SPEC-INT	13R
		00378	520HF	Cr 0.20	Ax 0.16	UTS -13.1	SPEC-INT	13R
		00378	520HF	0.4 13	VOL	UTS -9.3	SPEC-INT	13R
		00378	520HF	Cr 0.20	Ax 0.21	UTS -9.3	SPEC-INT	13R
		00297	540HF	0.1 25	INR	UTS+ 3.9	540-MIZ30	13R
		00297	540HF	0.2 22	INR	UTS+ 5.6	540-MIZ30	13R
		00283	520HF	Cr 0.15	Ax 0.15	ETL -2.0	SPEC-INT	13R
		00283	520HF	0.3 25	VOL	ETL -2.0	SPEC-INT	13R
		00283	520HF	0.4 22	VOL	ETL -1.6	SPEC-INT	13R
		00283	520HF	Cr 0.20	Ax 0.24	ETL -1.6	SPEC-INT	13R
		00283	520HF	Cr 0.20	Ax 0.20	ETL- 0.3	SPEC-INT	13R
		00283	520HF	0.3 26	VOL	ETL- 0.3	SPEC-INT	13R
107	6	00266	510UL	0.3 36	INR	LTE+ 22.2	510-MIZ30	13R
107	**29**	00299	540HF	0.5 10	ID 33	15S+ 37.8	540-MIZ30	13R
		00289	520HF	0.4 19	VOL	UTS -9.1	SPEC-INT	13R
		00289	520HF	Cr 0.14	Ax 0.10	UTS -9.1	SPEC-INT	13R
107	54	00299	540HF	0.3 3	INR	15S+ 40.6	540-MIZ30	13R
		00299	540HF	0.2 7	BVC	15S+ 43.1	540-MIZ30	13R
		00289	520HF	0.0 0	INR	UTS -5.6	SPEC-INT	13R
		00289	520HF	0.0 0	INR	UTS -3.4	SPEC-INT	13R
107	**55**	00299	540HF	0.3 8	ID 27	15S+ 34.0	540-MIZ30	13R
		00378	520HF	0.0 0	PRA	UTS -12.8	SPEC-INT	13R
		00289	520HF	Cr 0.14	Ax 0.15	UTS -12.8	SPEC-INT	13R
		00289	520HF	0.3 15	VOL	UTS -12.8	SPEC-INT	13R
		00299	540HF	0.4 7	ID 23	15S+ 39.2	540-MIZ30	13R
		00299	540HF	0.3 9	ID 30	15S+ 40.8	540-MIZ30	13R
		00378	520HF	0.0 0	PRA	UTS -7.3	SPEC-INT	13R
		00289	520HF	0.3 4	VOL	UTS -7.3	SPEC-INT	13R
		00289	520HF	Cr 0.14	Ax 0.15	UTS -7.3	SPEC-INT	13R
		00378	520HF	0.2 11	VOL	UTS -5.5	SPEC-INT	13R
		00378	520HF	Cr 0.15	Ax 0.10	UTS -5.5	SPEC-INT	13R
107	71	00090	510UL	0.5 9	INR	LTE+ 0.1	510-MIZ30	13R
107	88	00110	510UL	0.8 9	ID 30	LTE+ 7.8	510-MIZ30	13R
		00294	520HF	0.0 0	NDF	LTE+ 7.8	SPEC-INT	13R
		00092	510UL	0.6 21	NQI	LTE+ 7.9	510-MIZ30	13R

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		00313	540HF	0.7 14	ID 47	LTE+ 8.0	540-MIZ30	13R
		00110	510UL	0.4 25	NT 83	LTS+ 19.4	510-MIZ30	13R
		00354	540HF	0.4 22	PID	LTS+ 19.5	540-MIZ30	13R
		00313	540HF	0.5 23	ID 77	LTS+ 19.5	540-MIZ30	13R
		00092	510UL	0.4 20	ID 67	LTS+ 20.3	510-MIZ30	13R
		00294	520HF	0.0 0	NDF	LTS+ 20.3	SPEC-INT	13R
107	101	00150	510UL	0.2 101	NQI	09S+ 24.2	510-MIZ30	13R
		00294	520HF	0.0 0	NDF	09S+ 24.2	SPEC-INT	13R
107	111	00150	510UL	0.8 60	INR	05S+ 31.1	510-MIZ30	13R
107	113	00150	510UL	0.9 120	NQI	12S+ 19.8	510-MIZ30	13R
		00294	520HF	0.0 0	NDF	12S+ 19.8	SPEC-INT	13R
108	4	00266	510UL	7.3 176	DNT	LTE+ 11.4	510-MIZ30	13R
108	5	00264	510UL	6.8 177	DNT	LTE+ 11.3	510-MIZ30	13R
108	**23**	00203	520HF	0.3 16	VOL	ETL- 0.4	KET12	13R
		00203	520HF	Cr 0.20	Ax 0.14	ETL- 0.4	KET12	13R
108	55	00299	540HF	0.4 359	INR	15S+ 40.3	540-MIZ30	13R
108	**82**	00141	520HF	0.1 22	VOL	ETL -1.0	KET12	13R
		00141	520HF	Cr 0.15	Ax 0.15	ETL -1.0	KET12	13R
108	**86**	00141	520HF	Cr 0.15	Ax 0.15	ETL -1.4	KET12	13R
		00141	520HF	0.1 8	VOL	ETL -1.4	KET12	13R
		00141	520HF	Cr 0.15	Ax 0.10	ETL- 0.2	KET12	13R
		00141	520HF	0.4 39	VOL	ETL- 0.2	KET12	13R
108	**107**	00183	520HF	Cr 0.15	Ax 0.18	ETL -1.0	KET06	13R
		00183	520HF	0.2 23	VOL	ETL -1.0	KET06	13R
109	3	00266	510UL	7.9 177	DNT	LTE+ 11.2	510-MIZ30	13R
109	50	00208	510UL	0.2 87	NQI	02S+ 10.7	510-MIZ30	13R
		00331	520HF	0.0 0	NDF	02S+ 10.7	SPEC-INT	13R
109	**59**	00299	540HF	0.3 10	BVC	15S+ 33.5	540-MIZ30	13R
		00378	520HF	0.2 18	VOL	UTS -12.6	SPEC-INT	13R
		00378	520HF	Cr 0.15	Ax 0.10	UTS -12.6	SPEC-INT	13R
109	72	00090	510UL	0.6 188	INR	11S+ 7.0	510-MIZ30	13R
		00294	520HF	0.0 0	NDF	11S+ 7.0	SPEC-INT	13R
		00090	510UL	0.5 64	NQI	11S+ 7.2	510-MIZ30	13R
109	76	00090	510UL	0.4 104	NQI	14S+ 3.0	510-MIZ30	13R
		00294	520HF	0.0 0	NDF	14S+ 3.0	SPEC-INT	13R
		00090	510UL	0.5 101	NQI	14S+ 5.4	510-MIZ30	13R
		00294	520HF	0.0 0	NDF	14S+ 5.4	SPEC-INT	13R
109	78	00090	510UL	5.5 179	DNT	LTE+ 7.2	510-MIZ30	13R
109	82	00090	510UL	0.3 106	INR	02S+ 3.6	510-MIZ30	13R
109	99	00152	510UL	7.3 4	IDC	LTE+ 0.0	510-MIZ30	13R
		00336	520HF	0.0 0	NDF	LTE+ 0.0	SPEC-INT	13R
		00340	520HF	0.0 0	NDF	LTS+ 0.0	SPEC-INT	13R
		00340	520HF	0.0 0	NDF	01S+ 0.0	SPEC-INT	13R
109	105	00152	510UL	0.2 90	NQI	LTE+ 18.2	510-MIZ30	13R
		00294	520HF	0.0 0	NDF	LTE+ 18.2	SPEC-INT	13R
109	**108**	00386	520HF	0.7 27	VOL	UTS+ 2.6	SPEC-INT	13R
		00386	520HF	Cr 0.15	Ax 0.10	UTS+ 2.6	SPEC-INT	13R
		00386	520HF	Cr 0.15	Ax 0.10	UTS+ 3.0	SPEC-INT	13R
		00386	520HF	0.7 17	VOL	UTS+ 3.0	SPEC-INT	13R
		00386	520HF	1.1 22	VOL	UTS+ 3.7	SPEC-INT	13R

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		00386	520HF	Cr 0.25	Ax 0.21	UTS+ 3.7	SPEC-INT	13R
		00354	540HF	1.0 9	ID 30	UTS+ 4.1	540-MIZ30	13R
		00386	520HF	0.3 21	VOL	UTS+ 4.1	SPEC-INT	13R
		00386	520HF	Cr 0.25	Ax 0.21	UTS+ 4.1	SPEC-INT	13R
110	**2**	00297	540HF	0.5 6	ID 20	15S+ 28.3	540-MIZ30	13R
		00378	520HF	0.4 13	VOL	UTS -18.1	SPEC-INT	13R
		00378	520HF	Cr 0.20	Ax 0.11	UTS -18.1	SPEC-INT	13R
		00378	520HF	Cr 0.20	Ax 0.16	UTS -5.4	SPEC-INT	13R
		00378	520HF	0.4 21	VOL	UTS -5.4	SPEC-INT	13R
		00297	540HF	0.2 14	INR	UTS+ 2.4	540-MIZ30	13R
		00378	520HF	0.9 26	VOL	UTS+ 2.5	SPEC-INT	13R
		00378	520HF	Cr 0.20	Ax 0.16	UTS+ 2.5	SPEC-INT	13R
		00283	520HF	0.6 34	VOL	ETL -5.3	SPEC-INT	13R
		00283	520HF	Cr 0.25	Ax 0.20	ETL -5.3	SPEC-INT	13R
110	3	00264	510UL	8.0 176	DNT	LTE+ 11.1	510-MIZ30	13R
110	4	00266	510UL	8.1 176	DNT	LTE+ 11.2	510-MIZ30	13R
110	13	00264	510UL	7.4 176	DNT	LTE+ 11.2	510-MIZ30	13R
110	14	00266	510UL	7.9 175	DNT	LTE+ 11.1	510-MIZ30	13R
		00266	510UL	2.8 174	DNT	LTE+ 12.8	510-MIZ30	13R
110	79	00092	510UL	1.3 4	INR	LTS+ 1.6	510-MIZ30	13R
110	84	00104	510UL	0.1 106	NQI	07S- 0.4	510-MIZ30	13R
		00294	520HF	0.0 0	NDF	07S- 0.4	SPEC-INT	13R
110	90	00104	510UL	3.8 176	DNT	06S+ 4.9	510-MIZ30	13R
111	4	00266	510UL	7.4 177	DNT	LTE+ 11.1	510-MIZ30	13R
111	5	00264	510UL	6.9 176	DNT	LTE+ 11.2	510-MIZ30	13R
111	6	00266	510UL	6.4 175	DNT	LTE+ 11.3	510-MIZ30	13R
		00266	510UL	0.7 98	INR	LTS- 0.6	510-MIZ30	13R
111	7	00264	510UL	5.7 175	DNT	LTE+ 11.1	510-MIZ30	13R
111	8	00266	510UL	8.2 175	DNT	LTE+ 10.6	510-MIZ30	13R
111	9	00264	510UL	7.9 177	DNT	LTE+ 10.6	510-MIZ30	13R
111	12	00266	510UL	7.7 175	DNT	LTE+ 11.1	510-MIZ30	13R
111	14	00266	510UL	8.1 176	DNT	LTE+ 11.0	510-MIZ30	13R
111	21	00264	510UL	3.5 185	DNT	LTE+ 17.4	510-MIZ30	13R
111	**23**	00289	520HF	Cr 0.19	Ax 0.10	ETL -1.8	SPEC-INT	13R
		00289	520HF	0.5 20	VOL	ETL -1.8	SPEC-INT	13R
111	**24**	00319	520HF	1.7 40	VOL	ETL- 0.1	KET12	13R
		00319	520HF	Cr 0.28	Ax 0.24	ETL- 0.1	KET12	13R
111	**30**	00207	520HF	0.3 13	VOL	ETL- 0.9	KET12	13R
		00207	520HF	Cr 0.19	Ax 0.15	ETL- 0.9	KET12	13R
111	**33**	00382	520HF	0.4 10	VOL	UTS+ 4.7	SPEC-INT	13R
		00382	520HF	Cr 0.15	Ax 0.10	UTS+ 4.7	SPEC-INT	13R
		00299	540HF	0.6 8	ID 27	UTS+ 4.8	540-MIZ30	13R
111	**45**	00203	520HF	0.5 21	VOL	ETL- 0.7	KET12	13R
		00203	520HF	Cr 0.20	Ax 0.13	ETL- 0.7	KET12	13R
111	**50**	00117	520HF	Cr 0.18	Ax 0.11	ETL- 0.1	KET12	13R
		00117	520HF	0.4 17	VOL	ETL- 0.1	KET12	13R
111	**51**	00299	540HF	0.7 10	ID 33	15S+ 38.9	540-MIZ30	13R
		00289	520HF	Cr 0.23	Ax 0.20	UTS -7.8	SPEC-INT	13R
		00289	520HF	0.4 16	VOL	UTS -7.8	SPEC-INT	13R
		00299	540HF	0.2 17	BVC	15S+ 44.4	540-MIZ30	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00289	520HF	0.2 18	VOL	UTS -2.1	KET12	13R
		00289	520HF	Cr 0.14	Ax 0.10	UTS -2.1	KET12	13R
		00289	520HF	0.3 17	VOL	UTS- 0.7	SPEC-INT	13R
		00289	520HF	Cr 0.14	Ax 0.10	UTS- 0.7	SPEC-INT	13R
		00299	540HF	0.2 5	BVC	UTS- 0.6	540-MIZ30	13R
111	**54**	00117	520HF	Cr 0.12	Ax 0.13	ETL- 0.4	KET12	13R
		00117	520HF	0.2 21	VOL	ETL- 0.4	KET12	13R
111	56	00208	510UL	0.9 110	NQI	04S+ 2.8	510-MIZ30	13R
		00327	520HF	0.0 0	NDF	04S+ 2.8	SPEC-INT	13R
111	**64**	00117	520HF	Cr 0.24	Ax 0.17	ETL- 0.6	KET12	13R
		00117	520HF	0.2 17	VOL	ETL- 0.6	KET12	13R
111	**74**	00129	520HF	Cr 0.17	Ax 0.18	ETL -1.1	KET03	13R
		00129	520HF	0.4 39	VOL	ETL -1.1	KET03	13R
111	**85**	00127	520HF	0.2 18	VOL	ETL- 0.9	KET12	13R
		00127	520HF	Cr 0.06	Ax 0.08	ETL- 0.9	KET12	13R
111	**87**	00386	520HF	Cr 0.10	Ax 0.15	15S+ 29.4	SPEC-INT	13R
		00386	520HF	0.5 17	VOL	15S+ 29.4	SPEC-INT	13R
		00313	540HF	0.7 8	ID 27	15S+ 29.4	540-MIZ30	13R
111	**89**	00127	520HF	0.0 18	VOL	ETL- 0.5	KET12	13R
		00127	520HF	Cr 0.06	Ax 0.08	ETL- 0.5	KET12	13R
111	101	00150	510UL	0.3 101	NQI	02S+ 5.9	510-MIZ30	13R
		00294	520HF	0.0 0	NDF	02S+ 5.9	SPEC-INT	13R
112	4	00266	510UL	6.6 176	DNT	LTE+ 11.1	510-MIZ30	13R
112	8	00266	510UL	8.5 175	DNT	LTE+ 10.8	510-MIZ30	13R
		00266	510UL	0.2 107	NQI	09S- 0.5	510-MIZ30	13R
		00378	520HF	0.6 81	WAR 9	09S- 0.5	SPEC-INT	13R
		00344	520HF	0.3 0	WAR 8	09S+ 0.5	SPEC-INT	13R
112	10	00264	510UL	6.9 176	DNT	LTE+ 10.6	510-MIZ30	13R
112	13	00266	510UL	7.4 176	DNT	LTE+ 11.2	510-MIZ30	13R
112	14	00264	510UL	5.9 174	DNT	LTE+ 11.6	510-MIZ30	13R
112	16	00264	510UL	0.4 77	NQI	08S+ 2.4	510-MIZ30	13R
		00344	520HF	0.0 0	NDF	08S+ 2.4	SPEC-INT	13R
112	**30**	00299	540HF	0.2 2	INR	15S+ 38.8	540-MIZ30	13R
		00299	540HF	0.4 6	ID 20	15S+ 39.0	540-MIZ30	13R
		00299	540HF	0.3 4	INR	15S+ 39.9	540-MIZ30	13R
		00382	520HF	0.2 10	VOL	UTS -8.2	SPEC-INT	13R
		00382	520HF	Cr 0.15	Ax 0.11	UTS -8.2	SPEC-INT	13R
		00382	520HF	Cr 0.15	Ax 0.11	UTS -7.5	SPEC-INT	13R
		00382	520HF	0.2 27	VOL	UTS -7.5	SPEC-INT	13R
		00382	520HF	Cr 0.15	Ax 0.11	UTS -6.8	SPEC-INT	13R
		00382	520HF	0.3 10	VOL	UTS -6.8	SPEC-INT	13R
112	**85**	00294	520HF	0.0 0	NDF	06S+ 22.1	SPEC-INT	13R
		00382	520HF	0.0 0	PRA	06S+ 22.1	SPEC-INT	13R
		00313	540HF	0.3 11	BVC	06S+ 22.1	540-MIZ30	13R
		00294	520HF	0.0 0	NDF	06S+ 29.2	SPEC-INT	13R
		00382	520HF	0.0 0	PRA	06S+ 29.2	SPEC-INT	13R
		00313	540HF	0.5 10	ID 33	06S+ 29.2	540-MIZ30	13R
		00294	520HF	0.0 0	NDF	07S+ 6.3	SPEC-INT	13R
		00382	520HF	0.0 0	PRA	07S+ 6.3	SPEC-INT	13R
		00313	540HF	0.5 8	ID 27	07S+ 7.0	540-MIZ30	13R

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		00294	520HF	0.0 0	NDF	07S+ 7.3	SPEC-INT	13R
		00313	540HF	0.3 4	INR	07S+ 7.6	540-MIZ30	13R
		00400	520HF	0.0 0	NDF	15S+ 16.2	SPEC-INT	13R
		00313	540HF	0.2 11	BVC	15S+ 16.2	540-MIZ30	13R
		00400	520HF	0.2 19	VOL	15S+ 16.7	SPEC-INT	13R
		00400	520HF	Cr 0.20	Ax 0.11	15S+ 16.7	SPEC-INT	13R
112	92	00152	510UL	2.7 186	DNT	LTE+ 13.2	510-MIZ30	13R
112	106	00152	510UL	2.9 173	DNT	LTE+ 9.1	510-MIZ30	13R
112	**116**	00306	520HF	Cr 0.20	Ax 0.18	08S+ 2.4	SPEC-INT	13R
		00306	520HF	0.2 18	VOL	08S+ 2.4	SPEC-INT	13R
		00306	520HF	Cr 0.11	Ax 0.05	08S+ 8.1	SPEC-INT	13R
		00306	520HF	0.1 28	VOL	08S+ 8.1	SPEC-INT	13R
		00306	520HF	Cr 0.11	Ax 0.05	08S+ 14.0	SPEC-INT	13R
		00306	520HF	0.2 23	VOL	08S+ 14.0	SPEC-INT	13R
		00306	520HF	0.2 12	VOL	08S+ 17.6	SPEC-INT	13R
		00306	520HF	Cr 0.17	Ax 0.15	08S+ 17.6	SPEC-INT	13R
		00306	520HF	0.3 17	VOL	08S+ 26.3	SPEC-INT	13R
		00306	520HF	Cr 0.11	Ax 0.10	08S+ 26.3	SPEC-INT	13R
		00313	540HF	0.2 21	BVC	08S+ 26.3	540-MIZ30	13R
		00306	520HF	0.3 28	VOL	08S+ 29.6	SPEC-INT	13R
		00306	520HF	Cr 0.17	Ax 0.10	08S+ 29.6	SPEC-INT	13R
		00306	520HF	0.3 20	VOL	08S+ 31.1	SPEC-INT	13R
		00306	520HF	Cr 0.17	Ax 0.15	08S+ 31.1	SPEC-INT	13R
		00306	520HF	Cr 0.11	Ax 0.10	08S+ 32.1	SPEC-INT	13R
		00306	520HF	0.2 24	VOL	08S+ 32.1	SPEC-INT	13R
		00306	520HF	0.3 17	VOL	08S+ 33.2	SPEC-INT	13R
		00306	520HF	Cr 0.17	Ax 0.10	08S+ 33.2	SPEC-INT	13R
		00306	520HF	0.2 14	VOL	08S+ 35.2	SPEC-INT	13R
		00306	520HF	Cr 0.11	Ax 0.10	08S+ 35.2	SPEC-INT	13R
		00306	520HF	0.2 17	VOL	08S+ 35.8	SPEC-INT	13R
		00306	520HF	Cr 0.11	Ax 0.10	08S+ 35.8	SPEC-INT	13R
		00306	520HF	Cr 0.11	Ax 0.10	09S+ 4.1	SPEC-INT	13R
		00306	520HF	0.2 16	VOL	09S+ 4.1	SPEC-INT	13R
		00306	520HF	Cr 0.11	Ax 0.10	09S+ 6.8	SPEC-INT	13R
		00306	520HF	0.2 18	VOL	09S+ 6.8	SPEC-INT	13R
		00306	520HF	Cr 0.11	Ax 0.10	09S+ 7.3	SPEC-INT	13R
		00306	520HF	0.1 29	VOL	09S+ 7.3	SPEC-INT	13R
		00313	540HF	0.5 5	ID 17	09S+ 10.0	540-MIZ30	13R
		00306	520HF	Cr 0.11	Ax 0.16	09S+ 10.0	SPEC-INT	13R
		00306	520HF	0.4 32	VOL	09S+ 10.0	SPEC-INT	13R
		00313	540HF	0.6 9	ID 30	12S+ 22.2	540-MIZ30	13R
		00306	520HF	Cr 0.17	Ax 0.15	12S+ 22.4	SPEC-INT	13R
		00306	520HF	0.2 19	VOL	12S+ 22.4	SPEC-INT	13R
		00313	540HF	0.2 25	BVC	12S+ 24.9	540-MIZ30	13R
		00306	520HF	Cr 0.17	Ax 0.10	12S+ 25.0	SPEC-INT	13R
		00306	520HF	0.5 29	VOL	12S+ 25.0	SPEC-INT	13R
		00390	520HF	Cr 0.15	Ax 0.16	13S+ 4.8	SPEC-INT	13R
		00390	520HF	0.2 21	VOL	13S+ 4.8	SPEC-INT	13R
		00313	540HF	0.6 6	ID 20	13S+ 4.8	540-MIZ30	13R
		00313	540HF	0.4 6	ID 20	13S+ 5.6	540-MIZ30	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00390	520HF	Cr 0.15	Ax 0.16	13S+ 5.6	SPEC-INT	13R
		00390	520HF	0.2 2	VOL	13S+ 5.6	SPEC-INT	13R
		00313	540HF	0.4 7	BVC	12S+ 35.0	540-MIZ30	13R
		00306	520HF	0.3 9	VOL	12S+ 35.2	SPEC-INT	13R
		00306	520HF	Cr 0.11	Ax 0.10	12S+ 35.2	SPEC-INT	13R
113	4	00264	510UL	6.6 176	DNT	LTE+ 11.4	510-MIZ30	13R
113	5	00266	510UL	7.6 175	DNT	LTE+ 11.3	510-MIZ30	13R
113	6	00264	510UL	5.5 173	DNT	LTE+ 11.4	510-MIZ30	13R
113	7	00266	510UL	6.7 175	DNT	LTE+ 11.2	510-MIZ30	13R
113	8	00264	510UL	8.3 175	DNT	LTE+ 11.0	510-MIZ30	13R
113	9	00266	510UL	8.1 176	DNT	LTE+ 10.6	510-MIZ30	13R
113	**24**	00203	520HF	0.3 30	VOL	ETL- 0.3	KET12	13R
		00203	520HF	Cr 0.13	Ax 0.09	ETL- 0.3	KET12	13R
113	**48**	00203	520HF	Cr 0.20	Ax 0.20	ETL- 0.2	KET12	13R
		00203	520HF	1.1 24	VOL	ETL- 0.2	KET12	13R
113	55	00208	510UL	1.0 69	ADI	14S+ 15.0	510-MIZ30	13R
		00327	520HF	0.0 0	NDF	14S+ 15.0	SPEC-INT	13R
113	59	00208	510UL	0.6 74	ADI	02S+ 13.8	510-MIZ30	13R
		00327	520HF	0.0 0	NDF	02S+ 13.8	SPEC-INT	13R
113	67	00104	510UL	0.4 86	NQI	UTS+ 0.3	510-MIZ30	13R
		00294	520HF	0.0 0	NDF	UTS+ 0.3	SPEC-INT	13R
113	78	00106	510UL	0.3 92	INR	12S+ 7.2	510-MIZ30	13R
113	**87**	00117	520HF	0.1 28	VOL	ETL- 0.4	KET12	13R
		00117	520HF	Cr 0.19	Ax 0.12	ETL- 0.4	KET12	13R
113	**94**	00115	520HF	0.1 35	VOL	ETL- 0.1	KET12	13R
		00115	520HF	Cr 0.13	Ax 0.11	ETL- 0.1	KET12	13R
113	**95**	00117	520HF	0.2 28	VOL	ETL- 0.4	KET12	13R
		00117	520HF	Cr 0.19	Ax 0.12	ETL- 0.4	KET12	13R
113	**104**	00382	520HF	Cr 0.15	Ax 0.16	15S+ 21.9	SPEC-INT	13R
		00382	520HF	0.2 30	VOL	15S+ 21.9	SPEC-INT	13R
		00313	540HF	0.3 9	BVC	15S+ 22.0	540-MIZ30	13R
113	105	00150	510UL	3.6 176	DNT	LTE+ 9.0	510-MIZ30	13R
113	107	00152	510UL	3.1 172	DNT	LTE+ 9.4	510-MIZ30	13R
		00152	510UL	5.4 177	DNT	LTE+ 11.3	510-MIZ30	13R
113	109	00152	510UL	2.8 175	DNT	LTE+ 9.3	510-MIZ30	13R
113	111	00150	510UL	0.5 58	NQI	LTE+ 9.6	510-MIZ30	13R
		00294	520HF	0.0 0	NDF	LTE+ 9.6	SPEC-INT	13R
		00150	510UL	0.5 94	NQI	LTE+ 20.0	510-MIZ30	13R
		00294	520HF	0.0 0	NDF	LTE+ 20.0	SPEC-INT	13R
113	114	00150	510UL	0.3 85	INR	LTE+ 17.4	510-MIZ30	13R
114	4	00262	510UL	0.3 103	NQI	15S- 0.4	510-MIZ30	13R
		00344	520HF	0.0 0	NDF	15S- 0.4	SPEC-INT	13R
114	19	00264	510UL	0.1 67	NQI	08S- 0.1	510-MIZ30	13R
		00344	520HF	0.5 0	WAR 13	08S+ 0.1	SPEC-INT	13R
114	**23**	00289	520HF	0.3 25	VOL	ETL -1.2	SPEC-INT	13R
		00289	520HF	Cr 0.19	Ax 0.15	ETL -1.2	SPEC-INT	13R
114	40	00382	520HF	0.0 0	NDF	03S+ 14.8	SPEC-INT	13R
		00299	540HF	0.6 8	ID 27	03S+ 14.8	540-MIZ30	13R
		00208	510UL	0.6 7	ID 23	03S+ 15.0	510-MIZ30	13R
114	**53**	00289	520HF	Cr 0.19	Ax 0.15	ETL -1.5	SPEC-INT	13R

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		00289	520HF	0.3 21	VOL	ETL -1.5	SPEC-INT	13R
114	65	00104	510UL	1.5 86	ADI	13S+ 6.7	510-MIZ30	13R
		00294	520HF	0.0 0	NDF	13S+ 6.7	SPEC-INT	13R
114	68	00106	510UL	2.4 356	INR	LTE+ 1.2	510-MIZ30	13R
114	91	00152	510UL	0.8 91	INR	03S+ 7.6	510-MIZ30	13R
114	***93***	*00382*	*520HF*	*Cr 0.10*	*Ax 0.10*	*15S+ 7.5*	*SPEC-INT*	*13R*
		00382	*520HF*	*0.2 11*	*VOL*	*15S+ 7.5*	*SPEC-INT*	*13R*
		00382	*520HF*	*Cr 0.10*	*Ax 0.10*	*15S+ 10.9*	*SPEC-INT*	*13R*
		00382	*520HF*	*0.3 14*	*VOL*	*15S+ 10.9*	*SPEC-INT*	*13R*
		00382	*520HF*	*Cr 0.10*	*Ax 0.16*	*15S+ 15.7*	*SPEC-INT*	*13R*
		00382	*520HF*	*0.3 4*	*VOL*	*15S+ 15.7*	*SPEC-INT*	*13R*
		00354	*540HF*	*0.5 9*	*PID*	*15S+ 41.0*	*540-MIZ30*	*13R*
		00313	*540HF*	*0.5 12*	*ID 40*	*15S+ 41.0*	*540-MIZ30*	*13R*
		00382	*520HF*	*Cr 0.10*	*Ax 0.10*	*15S+ 41.3*	*SPEC-INT*	*13R*
		00382	*520HF*	*0.6 17*	*VOL*	*15S+ 41.3*	*SPEC-INT*	*13R*
114	107	00150	510UL	6.6 178	DNT	LTE+ 11.1	510-MIZ30	13R
114	**108**	00294	520HF	0.3 18	VOL	UTS -3.5	SPEC-INT	13R
		00294	520HF	Cr 0.17	Ax 0.16	UTS -3.5	SPEC-INT	13R
		00294	520HF	0.8 25	VOL	ETL- 0.9	SPEC-INT	13R
		00294	520HF	Cr 0.22	Ax 0.21	ETL- 0.9	SPEC-INT	13R
114	110	00150	510UL	3.2 177	DNT	LTE+ 9.2	510-MIZ30	13R
114	112	00152	510UL	4.6 179	DNT	LTE+ 10.6	510-MIZ30	13R
114	**113**	00372	510UL	6.7 179	DNT	LTE+ 10.7	510-MIZ30	13R
		00382	520HF	0.5 18	VOL	13S+ 21.8	SPEC-INT	13R
		00382	520HF	Cr 0.20	Ax 0.21	13S+ 21.8	SPEC-INT	13R
		00382	520HF	0.4 12	VOL	13S+ 29.1	SPEC-INT	13R
		00382	520HF	Cr 0.15	Ax 0.16	13S+ 29.1	SPEC-INT	13R
		00313	540HF	0.9 8	ID 27	13S+ 29.4	540-MIZ30	13R
		00313	540HF	0.3 6	BVC	15S+ 42.7	540-MIZ30	13R
		00294	520HF	Cr 0.11	Ax 0.15	UTS -4.8	SPEC-INT	13R
		00294	520HF	0.2 7	VOL	UTS -4.8	SPEC-INT	13R
		00294	520HF	0.2 8	VOL	UTS -3.8	SPEC-INT	13R
		00294	520HF	Cr 0.11	Ax 0.10	UTS -3.8	SPEC-INT	13R
		00294	520HF	0.4 13	VOL	UTS -3.5	SPEC-INT	13R
		00294	520HF	Cr 0.17	Ax 0.15	UTS -3.5	SPEC-INT	13R
		00294	520HF	0.3 21	VOL	ETL -4.0	SPEC-INT	13R
		00294	520HF	Cr 0.17	Ax 0.15	ETL -4.0	SPEC-INT	13R
		00294	520HF	0.7 21	VOL	ETL -1.4	SPEC-INT	13R
		00294	520HF	Cr 0.17	Ax 0.20	ETL -1.4	SPEC-INT	13R
115	24	00258	510UL	2.7 171	DNT	LTE+ 10.7	510-MIZ30	13R
115	**25**	00260	510UL	2.6 173	DNT	LTE+ 10.1	510-MIZ30	13R
		00207	520HF	Cr 0.16	Ax 0.10	ETL- 0.2	KET12	13R
		00207	520HF	0.2 18	VOL	ETL- 0.2	KET12	13R
115	**26**	00299	540HF	0.6 6	ID 20	15S+ 25.7	540-MIZ30	13R
		00378	520HF	0.7 16	VOL	15S+ 25.7	SPEC-INT	13R
		00378	520HF	Cr 0.20	Ax 0.16	15S+ 25.7	SPEC-INT	13R
115	42	00186	510UL	0.3 79	NQI	03S+ 29.1	510-MIZ30	13R
		00327	520HF	0.0 0	NDF	03S+ 29.1	SPEC-INT	13R
115	**51**	00117	520HF	0.2 6	VOL	ETL -3.9	KET03	13R
		00117	520HF	Cr 0.18	Ax 0.21	ETL -3.9	KET03	13R

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		00117	520HF	Cr 0.18	Ax 0.21	ETL -2.5	KET03	13R
		00117	520HF	0.1 24	VOL	ETL -2.5	KET03	13R
115	**52**	00115	520HF	0.2 24	VOL	ETL -3.4	KET12	13R
		00115	520HF	Cr 0.12	Ax 0.12	ETL -3.4	KET12	13R
		00115	520HF	Cr 0.18	Ax 0.15	ETL -2.2	KET12	13R
		00115	520HF	0.2 15	VOL	ETL -2.2	KET12	13R
		00115	520HF	Cr 0.18	Ax 0.15	ETL- 0.6	KET12	13R
		00115	520HF	0.4 19	VOL	ETL- 0.6	KET12	13R
115	**55**	00117	520HF	0.1 22	VOL	ETL -4.2	KET12	13R
		00117	520HF	Cr 0.18	Ax 0.21	ETL -4.2	KET12	13R
115	**62**	00117	520HF	Cr 0.18	Ax 0.17	ETL -1.0	KET12	13R
		00117	520HF	0.5 18	VOL	ETL -1.0	KET12	13R
115	**102**	00093	520HF	0.5 23	VOL	ETL -1.1	KET12	13R
		00093	520HF	Cr 0.19	Ax 0.17	ETL -1.1	KET12	13R
115	105	00150	510UL	7.0 178	DNT	LTE+ 11.1	510-MIZ30	13R
115	106	00152	510UL	5.2 179	DNT	LTE+ 11.4	510-MIZ30	13R
115	**109**	00313	540HF	1.1 8	ID 27	UTS+ 5.1	540-MIZ30	13R
		00294	520HF	Cr 0.22	Ax 0.16	ETL -2.4	SPEC-INT	13R
		00294	520HF	1.5 22	VOL	ETL -2.4	SPEC-INT	13R
116	7	00262	510UL	0.4 104	NQI	09S- 0.5	510-MIZ30	13R
		00344	520HF	0.8 0	WAR 19	09S- 0.5	SPEC-INT	13R
116	18	00264	510UL	0.2 64	NQI	08S- 0.5	510-MIZ30	13R
		00344	520HF	0.4 0	WAR 11	08S- 0.4	SPEC-INT	13R
116	19	00262	510UL	0.2 63	NQI	08S- 0.5	510-MIZ30	13R
		00344	520HF	0.4 0	WAR 11	08S- 0.5	SPEC-INT	13R
116	26	00184	510UL	0.2 18	INR	06S+ 0.3	510-MIZ30	13R
116	75	00160	510UL	0.7 52	INR	12S+ 22.5	510-MIZ30	13R
116	97	00150	510UL	6.4 181	IDC	LTS+ 0.0	510-MIZ30	13R
		00336	520HF	0.0 0	NDF	LTS+ 0.0	SPEC-INT	13R
		00150	510UL	5.4 182	IDC	01S- 0.8	510-MIZ30	13R
		00336	520HF	0.0 0	NDF	01S- 0.8	SPEC-INT	13R
116	109	00382	520HF	0.0 0	NDF	15S+ 33.6	SPEC-INT	13R
		00313	540HF	0.5 7	ID 23	15S+ 33.6	540-MIZ30	13R
		00382	520HF	0.0 0	NDF	15S+ 36.6	SPEC-INT	13R
		00313	540HF	0.5 11	ID 37	15S+ 36.6	540-MIZ30	13R
116	111	00152	510UL	3.8 178	DNT	LTE+ 10.9	510-MIZ30	13R
117	10	00262	510UL	0.5 82	NQI	LTS -1.3	510-MIZ30	13R
		00344	520HF	0.0 0	NDF	LTS -1.3	SPEC-INT	13R
117	**24**	00299	540HF	0.7 7	ID 23	15S+ 33.9	540-MIZ30	13R
		00378	520HF	0.4 13	VOL	UTS -12.2	SPEC-INT	13R
		00378	520HF	Cr 0.15	Ax 0.16	UTS -12.2	SPEC-INT	13R
117	**33**	00319	520HF	Cr 0.14	Ax 0.15	ETL- 0.2	KET12	13R
		00319	520HF	0.2 32	VOL	ETL- 0.2	KET12	13R
117	**54**	00117	520HF	Cr 0.12	Ax 0.13	ETL -2.2	KET12	13R
		00117	520HF	0.1 31	VOL	ETL -2.2	KET12	13R
117	**63**	00115	520HF	Cr 0.12	Ax 0.12	ETL- 0.9	KET06	13R
		00115	520HF	0.3 5	VOL	ETL- 0.9	KET06	13R
117	73	00160	510UL	0.9 87	ADI	01S+ 7.5	510-MIZ30	13R
		00336	520HF	0.0 0	NDF	01S+ 7.5	SPEC-INT	13R
		00160	510UL	1.3 85	ADI	01S+ 11.7	510-MIZ30	13R

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		00336	520HF	0.0 0	NDF	01S+ 11.7	SPEC-INT	13R
117	79	00160	510UL	0.2 92	NQI	07S- 0.5	510-MIZ30	13R
		00336	520HF	0.0 0	NDF	07S- 0.5	SPEC-INT	13R
117	**85**	00091	520HF	0.3 20	VOL	ETL- 0.9	KET12	13R
		00091	520HF	Cr 0.19	Ax 0.14	ETL- 0.9	KET12	13R
117	86	00313	540HF	0.5 4	INR	15S+ 9.1	540-MIZ30	13R
118	16	00260	510UL	0.1 93	NQI	08S- 0.5	510-MIZ30	13R
		00344	520HF	0.2 0	WAR 6	08S- 0.5	SPEC-INT	13R
118	**20**	00299	540HF	0.3 8	BVC	15S+ 34.5	540-MIZ30	13R
		00378	520HF	Cr 0.15	Ax 0.16	UTS -12.1	SPEC-INT	13R
		00378	520HF	0.6 15	VOL	UTS -12.1	SPEC-INT	13R
118	57	00160	510UL	1.1 69	INR	13S+ 13.2	510-MIZ30	13R
		00160	510UL	1.0 78	INR	13S+ 25.4	510-MIZ30	13R
		00160	510UL	0.2 97	INR	15S+ 16.1	510-MIZ30	13R
118	**67**	00313	540HF	0.4 9	ID 30	15S+ 37.9	540-MIZ30	13R
		00290	520HF	Cr 0.17	Ax 0.15	15S+ 38.2	SPEC-INT	13R
		00290	520HF	0.5 11	VOL	15S+ 38.2	SPEC-INT	13R
		00290	520HF	Cr 0.11	Ax 0.10	UTS -5.5	SPEC-INT	13R
		00290	520HF	0.4 11	VOL	UTS -5.5	SPEC-INT	13R
119	**19**	00299	540HF	0.5 9	ID 30	UTS+ 5.2	540-MIZ30	13R
		00289	520HF	Cr 0.19	Ax 0.15	ETL -2.0	SPEC-INT	13R
		00289	520HF	0.5 13	VOL	ETL -2.0	SPEC-INT	13R
119	**23**	00289	520HF	Cr 0.19	Ax 0.15	ETL- 0.9	SPEC-INT	13R
		00289	520HF	0.3 49	VOL	ETL- 0.9	SPEC-INT	13R
119	**33**	00289	520HF	Cr 0.19	Ax 0.15	ETL -2.4	SPEC-INT	13R
		00289	520HF	0.2 12	VOL	ETL -2.4	SPEC-INT	13R
		00289	520HF	Cr 0.14	Ax 0.15	ETL- 0.9	SPEC-INT	13R
		00289	520HF	0.1 27	VOL	ETL- 0.9	SPEC-INT	13R
119	66	00160	510UL	0.2 65	NQI	03S+ 34.7	510-MIZ30	13R
		00336	520HF	0.0 0	NDF	03S+ 34.7	SPEC-INT	13R
119	67	00158	510UL	0.1 57	NQI	07S- 0.1	510-MIZ30	13R
		00290	520HF	0.0 0	NDF	07S- 0.1	SPEC-INT	13R
119	71	00158	510UL	1.4 181	INR	LTE+ 5.5	510-MIZ30	13R
119	**77**	00313	540HF	2.8 176	DNT	01S+ 3.0	540-MIZ30	13R
		00313	540HF	0.7 9	ID 30	15S+ 29.4	540-MIZ30	13R
		00382	520HF	0.8 16	VOL	UTS -17.0	SPEC-INT	13R
		00382	520HF	Cr 0.15	Ax 0.10	UTS -17.0	SPEC-INT	13R
		00382	520HF	0.6 19	VOL	UTS -10.6	SPEC-INT	13R
		00382	520HF	Cr 0.15	Ax 0.10	UTS -10.6	SPEC-INT	13R
		00382	520HF	0.2 3	VOL	UTS -9.3	SPEC-INT	13R
		00382	520HF	Cr 0.10	Ax 0.10	UTS -9.3	SPEC-INT	13R
		00382	520HF	Cr 0.10	Ax 0.21	UTS -8.8	SPEC-INT	13R
		00382	520HF	0.3 8	VOL	UTS -8.8	SPEC-INT	13R
119	79	00158	510UL	2.0 49	INR	12S+ 16.6	510-MIZ30	13R
119	99	00152	510UL	2.7 175	DNT	LTE+ 9.6	510-MIZ30	13R
119	**107**	00382	520HF	0.0 0	NDF	10S+ 13.7	SPEC-INT	13R
		00313	540HF	0.4 97	NQI	10S+ 13.7	540-MIZ30	13R
		00290	520HF	0.2 30	VOL	15S+ 6.7	SPEC-INT	13R
		00290	520HF	Cr 0.17	Ax 0.15	15S+ 6.7	SPEC-INT	13R
		00313	540HF	0.3 8	ID 27	15S+ 7.2	540-MIZ30	13R

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		00313	540HF	0.2 10	BVC	15S+ 36.7	540-MIZ30	13R
		00313	540HF	0.7 7	ID 23	15S+ 38.9	540-MIZ30	13R
		00382	520HF	Cr 0.15	Ax 0.11	UTS -9.8	SPEC-INT	13R
		00382	520HF	0.1 37	VOL	UTS -9.8	SPEC-INT	13R
		00382	520HF	0.1 35	VOL	UTS -7.6	SPEC-INT	13R
		00382	520HF	Cr 0.20	Ax 0.11	UTS -7.6	SPEC-INT	13R
120	28	00184	510UL	0.3 75	INR	08S- 0.5	510-MIZ30	13R
120	38	00184	510UL	2.5 187	DNT	03S+ 16.3	510-MIZ30	13R
120	**42**	00225	520HF	Cr 0.16	Ax 0.11	ETL- 0.5	KET06	13R
		00225	520HF	0.5 14	VOL	ETL- 0.5	KET06	13R
120	**49**	00227	520HF	Cr 0.17	Ax 0.14	ETL -1.5	KET06	13R
		00227	520HF	0.3 8	VOL	ETL -1.5	KET06	13R
120	**67**	00313	540HF	0.5 10	ID 33	15S+ 36.3	540-MIZ30	13R
		00382	520HF	Cr 0.10	Ax 0.10	UTS -13.6	SPEC-INT	13R
		00382	520HF	0.1 24	VOL	UTS -13.6	SPEC-INT	13R
		00382	520HF	Cr 0.10	Ax 0.10	UTS -13.1	SPEC-INT	13R
		00382	520HF	0.1 25	VOL	UTS -13.1	SPEC-INT	13R
		00382	520HF	Cr 0.15	Ax 0.16	UTS -10.3	SPEC-INT	13R
		00382	520HF	0.7 19	VOL	UTS -10.3	SPEC-INT	13R
120	**80**	00241	520HF	Cr 0.11	Ax 0.13	ETL -1.1	KET12	13R
		00241	520HF	0.3 15	VOL	ETL -1.1	KET12	13R
120	98	00150	510UL	4.1 173	DNT	LTE+ 9.2	510-MIZ30	13R
121	32	00184	510UL	0.5 11	ID 37	15S+ 33.8	510-MIZ30	13R
		00354	540HF	0.5 1	INR	15S+ 33.8	540-MIZ30	13R
121	68	00158	510UL	1.7 179	INR	LTE+ 0.0	510-MIZ30	13R
121	80	00290	520HF	1.1 0	WAR 22	08S+ 0.7	SPEC-INT	13R
		00158	510UL	0.6 53	NQI	08S+ 0.8	510-MIZ30	13R
121	91	00158	510UL	2.5 42	INR	12S+ 30.0	510-MIZ30	13R
121	92	00160	510UL	0.1 81	NQI	15S+ 1.3	510-MIZ30	13R
		00336	520HF	0.0 0	NDF	15S+ 1.3	SPEC-INT	13R
121	**104**	00390	520HF	Cr 0.20	Ax 0.16	14S+ 29.9	SPEC-INT	13R
		00390	520HF	0.3 21	VOL	14S+ 30.0	SPEC-INT	13R
		00313	540HF	0.3 3	INR	14S+ 30.0	540-MIZ30	13R
		00313	540HF	0.4 9	ID 30	15S+ 4.3	540-MIZ30	13R
		00290	520HF	Cr 0.17	Ax 0.15	15S+ 4.4	SPEC-INT	13R
		00290	520HF	0.5 13	VOL	15S+ 4.4	SPEC-INT	13R
		00313	540HF	0.5 3	INR	15S+ 16.9	540-MIZ30	13R
		00290	520HF	0.3 4	VOL	15S+ 17.1	SPEC-INT	13R
		00290	520HF	Cr 0.17	Ax 0.15	15S+ 17.1	SPEC-INT	13R
		00290	520HF	Cr 0.11	Ax 0.15	15S+ 24.2	SPEC-INT	13R
		00290	520HF	0.3 17	VOL	15S+ 24.2	SPEC-INT	13R
121	106	00160	510UL	0.3 117	INR	14S+ 31.7	510-MIZ30	13R
122	**26**	00299	540HF	0.4 7	ID 23	15S+ 32.8	540-MIZ30	13R
		00382	520HF	Cr 0.15	Ax 0.10	UTS -15.2	SPEC-INT	13R
		00382	520HF	0.2 12	VOL	UTS -15.2	SPEC-INT	13R
		00382	520HF	0.3 7	VOL	UTS -13.4	SPEC-INT	13R
		00382	520HF	Cr 0.15	Ax 0.16	UTS -13.4	SPEC-INT	13R
		00382	520HF	0.2 24	VOL	UTS- 0.9	SPEC-INT	13R
		00382	520HF	Cr 0.15	Ax 0.16	UTS- 0.9	SPEC-INT	13R
		00299	540HF	0.4 11	BVC	UTS- 0.9	540-MIZ30	13R

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122	30	00299	540HF	0.4 6	BVC	UTS+ 0.6	540-MIZ30	13R
		00289	520HF	0.8 20	SCI	ETL -6.6	KET12	13R
		00289	520HF	0.3 48	ARC	ETL -6.6	KET12	13R
		00289	520HF	0.8 20	ID 31	ETL -6.6	KET12	13R
		00329	520HF	0.9 20	PID	ETL -6.6	KET12	13R
		00233	520HF	0.3 24	VOL	ETL- 0.8	KET12	13R
		00233	520HF	Cr 0.15	Ax 0.14	ETL- 0.8	KET12	13R
		00289	520HF	0.3 6	VOL	ETL- 0.6	SPEC-INT	13R
		00289	520HF	Cr 0.14	Ax 0.15	ETL- 0.6	SPEC-INT	13R
122	38	00186	510UL	0.5 19	ID 63	UTS+ 6.6	510-MIZ30	13R
		00235	520HF	1.5 30	SCI	ETL -1.2	KET03	13R
		00235	520HF	1.5 30	NT 61	ETL -1.2	KET03	13R
		00235	520HF	0.2 40	ARC	ETL -1.2	KET03	13R
		00321	520HF	1.9 16	PID	ETL -1.2	KET03	13R
122	41	00233	520HF	Cr 0.16	Ax 0.19	ETL- 0.5	KET12	13R
		00233	520HF	0.2 31	VOL	ETL- 0.5	KET12	13R
122	48	00235	520HF	0.3 21	VOL	ETL- 0.3	KET12	13R
		00235	520HF	Cr 0.12	Ax 0.17	ETL- 0.3	KET12	13R
122	80	00257	520HF	Cr 0.18	Ax 0.22	ETL -2.0	KET12	13R
		00257	520HF	0.3 11	VOL	ETL -2.0	KET12	13R
		00257	520HF	Cr 0.09	Ax 0.11	ETL- 0.1	KET12	13R
		00257	520HF	0.3 20	VOL	ETL- 0.1	KET12	13R
122	81	00168	510UL	0.4 17	BVC	UTS+ 4.0	510-MIZ30	13R
		00336	520HF	Cr 0.17	Ax 0.20	UTS+ 4.3	SPEC-INT	13R
		00336	520HF	0.7 25	VOL	UTS+ 4.3	SPEC-INT	13R
		00354	540HF	0.8 8	ID 27	UTS+ 5.0	540-MIZ30	13R
122	97	00160	510UL	0.1 87	NQI	LTE+ 17.2	510-MIZ30	13R
		00336	520HF	0.0 0	NDF	LTE+ 17.2	SPEC-INT	13R
122	105	00160	510UL	0.3 83	NQI	14S+ 31.2	510-MIZ30	13R
		00336	520HF	0.0 0	NDF	14S+ 31.2	SPEC-INT	13R
123	4	00258	510UL	0.1 105	INR	15S+ 39.9	510-MIZ30	13R
123	23	00320	510UL	0.3 10	BVC	15S+ 33.6	510-MIZ30	13R
		00354	540HF	0.3 8	ID 27	15S+ 33.6	540-MIZ30	13R
		00354	540HF	0.2 13	BVC	15S+ 35.0	540-MIZ30	13R
		00378	520HF	Cr 0.15	Ax 0.10	UTS -12.4	SPEC-INT	13R
		00378	520HF	0.4 14	VOL	UTS -12.4	SPEC-INT	13R
		00378	520HF	Cr 0.15	Ax 0.10	UTS -11.1	SPEC-INT	13R
		00378	520HF	0.3 16	VOL	UTS -11.1	SPEC-INT	13R
123	39	00184	510UL	0.5 151	INR	LTE+ 20.8	510-MIZ30	13R
123	47	00184	510UL	0.3 91	NQI	LTE+ 10.0	510-MIZ30	13R
		00331	520HF	0.0 0	NDF	LTS -14.0	SPEC-INT	13R
		00184	510UL	0.4 97	NQI	LTE+ 10.4	510-MIZ30	13R
		00331	520HF	0.0 0	NDF	LTS -13.6	SPEC-INT	13R
123	58	00166	510UL	0.3 74	NQI	LTE+ 7.1	510-MIZ30	13R
		00290	520HF	0.0 0	NDF	LTE+ 7.1	SPEC-INT	13R
123	72	00168	510UL	4.3 184	DNT	LTS+ 13.6	510-MIZ30	13R
		00290	520HF	0.0 0	NDF	LTS+ 13.6	SPEC-INT	13R
		00168	510UL	0.8 83	INR	LTS+ 14.4	510-MIZ30	13R
123	85	00311	540HF	0.4 8	ID 27	15S+ 45.0	540-MIZ30	13R
		00390	520HF	Cr 0.20	Ax 0.16	15S+ 45.1	SPEC-INT	13R

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		00390	520HF	0.5 15	VOL	15S+ 45.1	SPEC-INT	13R
123	93	00160	510UL	3.0 171	DNT	LTE+ 9.3	510-MIZ30	13R
123	**96**	00390	520HF	Cr 0.20	Ax 0.11	15S+ 41.9	SPEC-INT	13R
		00390	520HF	0.4 13	VOL	15S+ 41.9	SPEC-INT	13R
		00311	540HF	0.8 5	ID 17	15S+ 42.0	540-MIZ30	13R
		00390	520HF	0.6 18	VOL	15S+ 42.1	SPEC-INT	13R
		00390	520HF	Cr 0.15	Ax 0.11	15S+ 42.1	SPEC-INT	13R
		00390	520HF	Cr 0.15	Ax 0.11	15S+ 42.4	SPEC-INT	13R
		00390	520HF	0.3 6	VOL	15S+ 42.4	SPEC-INT	13R
		00390	520HF	Cr 0.20	Ax 0.16	15S+ 44.6	SPEC-INT	13R
		00390	520HF	0.7 19	VOL	15S+ 44.6	SPEC-INT	13R
		00311	540HF	0.7 7	ID 23	15S+ 45.0	540-MIZ30	13R
		00390	520HF	Cr 0.35	Ax 0.16	15S+ 45.0	SPEC-INT	13R
		00390	520HF	0.6 11	VOL	15S+ 45.0	SPEC-INT	13R
		00390	520HF	Cr 0.20	Ax 0.11	15S+ 45.3	SPEC-INT	13R
		00390	520HF	0.3 18	VOL	15S+ 45.3	SPEC-INT	13R
124	**1**	00299	540HF	0.8 6	ID 20	12S+ 23.4	540-MIZ30	13R
		00283	520HF	0.6 15	VOL	12S+ 24.4	SPEC-INT	13R
		00283	520HF	Cr 0.20	Ax 0.19	12S+ 24.4	SPEC-INT	13R
124	9	00258	510UL	0.3 353	INR	09S+ 32.0	510-MIZ30	13R
		00258	510UL	0.3 10	INR	10S+ 2.0	510-MIZ30	13R
124	**29**	00289	520HF	0.5 18	VOL	ETL- 0.6	SPEC-INT	13R
		00289	520HF	Cr 0.19	Ax 0.15	ETL- 0.6	SPEC-INT	13R
124	34	00186	510UL	0.2 95	INR	LTE+ 21.3	510-MIZ30	13R
124	**37**	00233	520HF	0.3 21	VOL	ETL- 0.7	KET03	13R
		00233	520HF	Cr 0.11	Ax 0.19	ETL- 0.7	KET03	13R
		00289	520HF	0.3 17	VOL	ETL- 0.6	SPEC-INT	13R
		00289	520HF	Cr 0.19	Ax 0.15	ETL- 0.6	SPEC-INT	13R
124	44	00186	510UL	0.3 74	INR	LTE+ 7.5	510-MIZ30	13R
124	60	00166	510UL	0.2 92	NQI	LTE+ 20.0	510-MIZ30	13R
		00290	520HF	0.0 0	NDF	LTE+ 20.0	SPEC-INT	13R
124	63	00168	510UL	0.6 91	INR	15S+ 15.1	510-MIZ30	13R
124	70	00166	510UL	1.4 47	INR	12S+ 14.6	510-MIZ30	13R
124	93	00160	510UL	3.2 172	DNT	LTE+ 9.3	510-MIZ30	13R
		00160	510UL	0.2 63	NQI	10S+ 0.7	510-MIZ30	13R
		00336	520HF	0.5 0	WAR 14	10S+ 0.7	SPEC-INT	13R
124	**99**	00290	520HF	Cr 0.17	Ax 0.15	13S+ 8.3	SPEC-INT	13R
		00290	520HF	0.3 23	VOL	13S+ 8.3	SPEC-INT	13R
		00311	540HF	0.3 10	BVC	13S+ 8.3	540-MIZ30	13R
		00390	520HF	0.0 0	NDF	15S+ 1.5	SPEC-INT	13R
		00311	540HF	0.2 109	NQI	15S+ 1.5	540-MIZ30	13R
124	**100**	00390	520HF	Cr 0.15	Ax 0.16	12S+ 17.3	SPEC-INT	13R
		00390	520HF	0.2 12	VOL	12S+ 17.3	SPEC-INT	13R
		00311	540HF	0.3 9	BVC	12S+ 17.3	540-MIZ30	13R
		00311	540HF	0.2 358	INR	12S+ 21.4	540-MIZ30	13R
		00290	520HF	Cr 0.11	Ax 0.15	13S+ 2.3	SPEC-INT	13R
		00290	520HF	0.3 19	VOL	13S+ 2.3	SPEC-INT	13R
		00311	540HF	0.2 18	BVC	13S+ 2.3	540-MIZ30	13R
		00390	520HF	Cr 0.15	Ax 0.16	12S+ 30.4	SPEC-INT	13R
		00390	520HF	0.2 13	VOL	12S+ 30.4	SPEC-INT	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00311	540HF	0.3 8	BVC	13S+ 2.8	540-MIZ30	13R
		00290	520HF	Cr 0.11	Ax 0.10	13S+ 4.7	SPEC-INT	13R
		00290	520HF	0.3 19	VOL	13S+ 4.7	SPEC-INT	13R
		00311	540HF	0.3 4	INR	13S+ 4.8	540-MIZ30	13R
		00290	520HF	0.3 16	VOL	13S+ 8.9	SPEC-INT	13R
		00290	520HF	Cr 0.11	Ax 0.10	13S+ 8.9	SPEC-INT	13R
125	9	00258	510UL	0.3 68	NQI	LTE+ 9.2	510-MIZ30	13R
		00344	520HF	0.0 0	NDF	LTE+ 9.2	SPEC-INT	13R
125	**19**	00258	510UL	6.4 176	DNT	LTE+ 11.6	510-MIZ30	13R
		00233	520HF	Cr 0.22	Ax 0.14	ETL- 0.1	KET12	13R
		00233	520HF	0.2 28	VOL	ETL- 0.1	KET12	13R
125	20	00184	510UL	8.5 177	DNT	LTE+ 11.1	510-MIZ30	13R
125	24	00184	510UL	2.8 187	DNT	LTS+ 8.1	510-MIZ30	13R
125	**29**	00299	540HF	0.3 7	BVC	15S+ 30.1	540-MIZ30	13R
		00299	540HF	0.3 10	ID 33	15S+ 31.3	540-MIZ30	13R
		00382	520HF	Cr 0.10	Ax 0.11	UTS -16.2	SPEC-INT	13R
		00382	520HF	0.2 10	VOL	UTS -16.2	SPEC-INT	13R
		00382	520HF	0.3 15	VOL	UTS -15.0	SPEC-INT	13R
		00382	520HF	Cr 0.15	Ax 0.16	UTS -15.0	SPEC-INT	13R
		00382	520HF	0.1 24	VOL	UTS- 0.8	SPEC-INT	13R
		00382	520HF	Cr 0.10	Ax 0.11	UTS- 0.8	SPEC-INT	13R
125	**37**	00235	520HF	Cr 0.12	Ax 0.17	ETL- 0.5	KET12	13R
		00235	520HF	0.4 17	VOL	ETL- 0.5	KET12	13R
125	41	00184	510UL	0.3 92	NQI	LTE+ 11.4	510-MIZ30	13R
		00331	520HF	0.0 0	NDF	LTS -12.6	SPEC-INT	13R
125	**63**	00257	520HF	0.5 24	VOL	ETL- 0.5	KET12	13R
		00257	520HF	Cr 0.14	Ax 0.15	ETL- 0.5	KET12	13R
		00257	520HF	Cr 0.14	Ax 0.15	ETL- 0.4	KET12	13R
		00257	520HF	0.3 21	VOL	ETL- 0.4	KET12	13R
125	**82**	00290	520HF	Cr 0.17	Ax 0.15	15S+ 30.0	SPEC-INT	13R
		00290	520HF	0.2 19	VOL	15S+ 30.0	SPEC-INT	13R
		00290	520HF	0.3 16	VOL	15S+ 31.7	SPEC-INT	13R
		00290	520HF	Cr 0.17	Ax 0.15	15S+ 31.7	SPEC-INT	13R
		00311	540HF	0.3 6	ID 20	15S+ 33.9	540-MIZ30	13R
		00290	520HF	0.3 22	VOL	15S+ 33.9	SPEC-INT	13R
		00290	520HF	Cr 0.11	Ax 0.15	15S+ 33.9	SPEC-INT	13R
		00290	520HF	Cr 0.17	Ax 0.15	15S+ 37.8	SPEC-INT	13R
		00290	520HF	0.2 15	VOL	15S+ 37.8	SPEC-INT	13R
		00290	520HF	0.2 14	VOL	15S+ 42.3	SPEC-INT	13R
		00290	520HF	Cr 0.11	Ax 0.15	15S+ 42.3	SPEC-INT	13R
125	**97**	00311	540HF	0.4 12	BVC	15S+ 41.2	540-MIZ30	13R
		00390	520HF	Cr 0.15	Ax 0.16	15S+ 41.2	SPEC-INT	13R
		00390	520HF	0.3 19	VOL	15S+ 41.2	SPEC-INT	13R
		00390	520HF	0.4 25	VOL	15S+ 42.2	SPEC-INT	13R
		00390	520HF	Cr 0.15	Ax 0.11	15S+ 42.2	SPEC-INT	13R
125	**98**	00290	520HF	Cr 0.11	Ax 0.10	15S+ 29.8	SPEC-INT	13R
		00290	520HF	0.3 18	VOL	15S+ 29.8	SPEC-INT	13R
		00311	540HF	0.4 8	ID 27	15S+ 29.9	540-MIZ30	13R
		00290	520HF	0.3 18	VOL	15S+ 41.9	SPEC-INT	13R
		00290	520HF	Cr 0.11	Ax 0.10	15S+ 41.9	KET12	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00290	520HF	Cr 0.11	Ax 0.15	15S+ 42.5	KET12	13R
		00290	520HF	0.3 11	VOL	15S+ 42.5	SPEC-INT	13R
		00311	540HF	0.2 11	BVC	15S+ 42.6	540-MIZ30	13R
126	11	00260	510UL	2.7 178	DNT	LTS+ 37.0	510-MIZ30	13R
126	12	00258	510UL	1.3 87	NQI	LTS+ 26.6	510-MIZ30	13R
		00344	520HF	2.1 93	MBM	LTS+ 26.6	SPEC-INT	13R
		00344	520HF	0.9 95	MBM	LTS+ 29.1	SPEC-INT	13R
		00258	510UL	3.8 10	NQI	LTS+ 29.4	510-MIZ30	13R
126	18	00258	510UL	6.8 175	DNT	LTE+ 11.5	510-MIZ30	13R
126	20	00184	510UL	6.8 176	DNT	LTE+ 11.0	510-MIZ30	13R
126	**34**	00299	540HF	0.4 7	ID 23	15S+ 36.9	540-MIZ30	13R
		00382	520HF	0.2 10	VOL	UTS -13.9	SPEC-INT	13R
		00382	520HF	Cr 0.10	Ax 0.11	UTS -13.9	SPEC-INT	13R
		00382	520HF	0.4 16	VOL	UTS -9.6	SPEC-INT	13R
		00382	520HF	Cr 0.20	Ax 0.16	UTS -9.6	SPEC-INT	13R
		00382	520HF	Cr 0.10	Ax 0.11	UTS -8.2	SPEC-INT	13R
		00382	520HF	0.5 18	VOL	UTS -8.2	SPEC-INT	13R
126	42	00186	510UL	0.4 80	NQI	LTE+ 19.0	510-MIZ30	13R
		00331	520HF	0.0 0	NDF	LTS -5.0	SPEC-INT	13R
126	58	00168	510UL	0.3 97	NQI	03S+ 28.6	510-MIZ30	13R
		00290	520HF	1.2 83	MBM	03S+ 28.6	SPEC-INT	13R
126	76	00168	510UL	0.3 93	NQI	LTE+ 20.2	510-MIZ30	13R
		00290	520HF	0.0 0	NDF	LTE+ 20.2	SPEC-INT	13R
126	80	00168	510UL	0.3 98	NQI	LTE+ 15.9	510-MIZ30	13R
		00290	520HF	0.0 0	NDF	LTE+ 15.9	SPEC-INT	13R
126	87	00160	510UL	3.7 170	DNT	LTE+ 11.1	510-MIZ30	13R
126	89	00160	510UL	3.4 175	DNT	LTE+ 10.8	510-MIZ30	13R
126	**94**	00390	520HF	Cr 0.35	Ax 0.16	15S+ 36.0	SPEC-INT	13R
		00390	520HF	0.8 20	VOL	15S+ 36.0	SPEC-INT	13R
		00311	540HF	0.9 8	ID 27	15S+ 36.0	540-MIZ30	13R
		00290	520HF	0.4 28	VOL	ETL -2.0	SPEC-INT	13R
		00290	520HF	Cr 0.22	Ax 0.20	ETL -2.0	SPEC-INT	13R
126	**97**	00390	520HF	0.2 20	VOL	15S+ 26.9	SPEC-INT	13R
		00390	520HF	Cr 0.10	Ax 0.11	15S+ 26.9	SPEC-INT	13R
		00311	540HF	0.4 6	ID 20	15S+ 26.9	540-MIZ30	13R
127	**3**	00235	520HF	0.3 18	VOL	ETL- 0.2	KET12	13R
		00235	520HF	Cr 0.10	Ax 0.10	ETL- 0.2	KET12	13R
127	18	00258	510UL	7.0 175	DNT	LTE+ 11.6	510-MIZ30	13R
127	19	00186	510UL	8.3 176	DNT	LTE+ 11.6	510-MIZ30	13R
127	22	00184	510UL	0.5 61	NQI	LTE+ 14.2	510-MIZ30	13R
		00331	520HF	0.0 0	NDF	LTS -9.8	SPEC-INT	13R
127	**24**	00233	520HF	0.3 15	VOL	ETL- 0.5	KET12	13R
		00233	520HF	Cr 0.17	Ax 0.13	ETL- 0.5	KET12	13R
127	27	00186	510UL	0.3 82	NQI	LTE+ 9.9	510-MIZ30	13R
		00331	520HF	0.0 0	NDF	LTS -14.1	SPEC-INT	13R
127	**39**	00235	520HF	0.3 16	VOL	ETL- 0.2	KET12	13R
		00235	520HF	Cr 0.10	Ax 0.15	ETL- 0.2	KET12	13R
127	**80**	00166	510UL	4.1 174	DNT	LTE+ 11.1	510-MIZ30	13R
		00259	520HF	Cr 0.31	Ax 0.19	ETL- 0.0	KET12	13R
		00259	520HF	0.6 34	VOL	ETL- 0.0	KET12	13R

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127	81	00168	510UL	5.0 177	DNT	LTE+ 11.0	510-MIZ30	13R
127	83	00160	510UL	0.5 73	INR	06S+ 22.9	510-MIZ30	13R
		00290	520HF	0.0 0	NDF	06S+ 22.9	KET12	13R
		00290	520HF	0.3 19	INR	06S+ 24.9	SPEC-INT	13R
127	90	00390	520HF	0.6 0	WAR 12	11S- 0.1	SPEC-INT	13R
		00311	540HF	0.3 90	NQI	11S- 0.1	540-MIZ30	13R
127	93	00158	510UL	5.4 175	DNT	LTE+ 10.8	510-MIZ30	13R
127	94	00311	540HF	4.4 173	DNT	LTE+ 11.1	540-MIZ30	13R
		00311	540HF	0.5 1	INR	UTS+ 3.5	540-MIZ30	13R
128	17	00194	510UL	0.4 80	NQI	LTE+ 15.8	510-MIZ30	13R
		00331	520HF	0.0 0	NDF	LTS -8.2	SPEC-INT	13R
128	78	00170	510UL	4.8 175	DNT	LTE+ 10.7	510-MIZ30	13R
128	80	00158	510UL	7.1 175	DNT	LTE+ 10.9	510-MIZ30	13R
128	88	00158	510UL	16.8 179	IDC	LTE+ 20.7	510-MIZ30	13R
		00336	520HF	0.0 0	NDF	LTS -3.3	SPEC-INT	13R
		00336	520HF	0.0 0	NDF	01S+ 0.0	SPEC-INT	13R
		00336	520HF	0.0 0	NDF	02S+ 0.0	SPEC-INT	13R
128	90	00160	510UL	2.9 172	DNT	LTE+ 11.0	510-MIZ30	13R
128	93	00158	510UL	4.8 176	DNT	LTE+ 10.7	510-MIZ30	13R
129	**23**	00233	520HF	0.4 28	VOL	ETL- 0.8	KET06	13R
		00233	520HF	Cr 0.11	Ax 0.17	ETL- 0.8	KET06	13R
129	27	00299	540HF	0.3 8	BVC	15S+ 36.1	540-MIZ30	13R
		00382	520HF	0.3 8	VOL	UTS -10.2	SPEC-INT	13R
		00382	520HF	Cr 0.10	Ax 0.11	UTS -10.2	SPEC-INT	13R
		00382	520HF	0.3 18	VOL	UTS -8.4	SPEC-INT	13R
		00382	520HF	Cr 0.15	Ax 0.11	UTS -8.4	SPEC-INT	13R
129	**28**	00235	520HF	Cr 0.12	Ax 0.17	ETL -1.7	KET12	13R
		00235	520HF	0.2 15	VOL	ETL -1.7	KET12	13R
129	46	00192	510UL	0.4 80	NQI	LTE+ 12.4	510-MIZ30	13R
		00331	520HF	0.0 0	NDF	LTS -11.6	SPEC-INT	13R
129	78	00170	510UL	5.4 175	DNT	LTE+ 10.9	510-MIZ30	13R
129	79	00172	510UL	6.9 178	DNT	LTE+ 11.2	510-MIZ30	13R
129	87	00158	510UL	6.1 176	DNT	LTE+ 10.7	510-MIZ30	13R
129	91	00158	510UL	5.3 175	DNT	LTE+ 10.8	510-MIZ30	13R
129	92	00160	510UL	4.8 173	DNT	LTE+ 10.9	510-MIZ30	13R
129	94	00160	510UL	0.2 87	NQI	10S- 0.2	510-MIZ30	13R
		00336	520HF	0.7 0	WAR 17	10S- 0.2	SPEC-INT	13R
		00160	510UL	0.4 87	NQI	15S+ 1.9	510-MIZ30	13R
		00390	520HF	0.0 0	NDF	15S+ 1.9	SPEC-INT	13R
130	16	00194	510UL	0.6 71	INR	LTE+ 7.1	510-MIZ30	13R
130	**41**	00299	540HF	0.6 10	ID 33	15S+ 27.9	540-MIZ30	13R
		00382	520HF	Cr 0.15	Ax 0.16	UTS -18.5	SPEC-INT	13R
		00382	520HF	0.4 15	VOL	UTS -18.5	SPEC-INT	13R
130	**46**	00382	520HF	Cr 0.15	Ax 0.11	15S+ 18.6	SPEC-INT	13R
		00382	520HF	0.3 14	VOL	15S+ 18.6	SPEC-INT	13R
		00299	540HF	0.3 8	BVC	15S+ 19.0	540-MIZ30	13R
		00382	520HF	Cr 0.15	Ax 0.11	15S+ 22.5	SPEC-INT	13R
		00382	520HF	0.4 10	VOL	15S+ 22.5	SPEC-INT	13R
		00299	540HF	0.5 8	ID 27	15S+ 22.9	540-MIZ30	13R
130	**73**	00336	520HF	Cr 0.17	Ax 0.15	15S+ 41.7	SPEC-INT	13R

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		00336	520HF	0.3 14	VOL	15S+ 41.7	SPEC-INT	13R
		00172	510UL	0.3 11	BVC	15S+ 42.0	510-MIZ30	13R
		00354	540HF	0.3 9	BVC	15S+ 42.5	540-MIZ30	13R
130	77	00170	510UL	0.2 32	INR	10S+ 0.7	510-MIZ30	13R
130	78	00172	510UL	0.4 73	NQI	LTE+ 3.5	510-MIZ30	13R
		00290	520HF	0.0 0	NDF	LTE+ 3.5	SPEC-INT	13R
130	81	00158	510UL	2.9 175	DNT	LTE+ 10.8	510-MIZ30	13R
130	82	00160	510UL	4.6 174	DNT	LTE+ 10.4	510-MIZ30	13R
130	84	00160	510UL	8.1 176	DNT	LTE+ 10.6	510-MIZ30	13R
130	87	00158	510UL	5.0 177	DNT	LTE+ 10.6	510-MIZ30	13R
130	88	00160	510UL	6.0 173	DNT	LTE+ 10.8	510-MIZ30	13R
131	**1**	00299	540HF	0.4 11	ID 37	13S+ 13.8	540-MIZ30	13R
		00289	520HF	Cr 0.19	Ax 0.20	13S+ 14.1	SPEC-INT	13R
		00289	520HF	0.4 22	VOL	13S+ 14.1	SPEC-INT	13R
		00299	540HF	0.3 16	BVC	13S+ 15.0	540-MIZ30	13R
		00289	520HF	0.2 12	VOL	13S+ 15.4	SPEC-INT	13R
		00289	520HF	Cr 0.19	Ax 0.15	13S+ 15.4	SPEC-INT	13R
		00299	540HF	0.3 7	BVC	13S+ 18.5	540-MIZ30	13R
		00289	520HF	Cr 0.14	Ax 0.10	13S+ 18.9	SPEC-INT	13R
		00289	520HF	0.1 24	VOL	13S+ 18.9	SPEC-INT	13R
		00289	520HF	0.2 27	VOL	13S+ 19.3	SPEC-INT	13R
		00289	520HF	Cr 0.14	Ax 0.10	13S+ 19.3	SPEC-INT	13R
		00289	520HF	Cr 0.19	Ax 0.15	13S+ 23.6	SPEC-INT	13R
		00289	520HF	0.1 17	VOL	13S+ 23.6	SPEC-INT	13R
		00289	520HF	Cr 0.14	Ax 0.25	13S+ 25.1	SPEC-INT	13R
		00289	520HF	4.3 31	VOL	13S+ 25.1	SPEC-INT	13R
		00299	540HF	0.4 10	ID 33	13S+ 25.7	540-MIZ30	13R
		00299	540HF	0.4 7	ID 23	13S+ 34.1	540-MIZ30	13R
		00289	520HF	0.3 20	VOL	13S+ 34.8	SPEC-INT	13R
		00289	520HF	Cr 0.19	Ax 0.20	13S+ 34.8	SPEC-INT	13R
		00289	520HF	0.3 25	VOL	13S+ 35.6	SPEC-INT	13R
		00289	520HF	Cr 0.19	Ax 0.15	13S+ 35.6	SPEC-INT	13R
		00289	520HF	Cr 0.19	Ax 0.20	14S+ 2.5	SPEC-INT	13R
		00289	520HF	0.2 4	VOL	14S+ 2.5	SPEC-INT	13R
		00289	520HF	Cr 0.14	Ax 0.15	14S+ 4.8	SPEC-INT	13R
		00289	520HF	0.2 38	VOL	14S+ 4.8	SPEC-INT	13R
131	17	00192	510UL	0.8 116	NQI	15S+ 7.1	510-MIZ30	13R
		00378	520HF	0.0 0	NDF	15S+ 7.1	SPEC-INT	13R
		00192	510UL	0.6 80	ADI	15S+ 32.3	510-MIZ30	13R
		00378	520HF	0.0 0	NDF	15S+ 32.3	SPEC-INT	13R
		00331	520HF	0.7 96	MBM	UTS -14.1	SPEC-INT	13R
131	64	00170	510UL	2.8 185	DNT	01S+ 15.0	510-MIZ30	13R
131	**78**	00158	510UL	2.7 172	DNT	LTE+ 10.6	510-MIZ30	13R
		00259	520HF	Cr 0.26	Ax 0.24	ETL- 0.7	KET12	13R
		00259	520HF	0.6 34	VOL	ETL- 0.7	KET12	13R
131	81	00158	510UL	4.0 175	DNT	LTE+ 10.4	510-MIZ30	13R
		00158	510UL	4.2 172	DNT	LTE+ 11.3	510-MIZ30	13R
131	**82**	00372	510UL	6.2 177	DNT	LTE+ 10.5	510-MIZ30	13R
		00390	520HF	0.6 16	VOL	15S+ 15.7	SPEC-INT	13R
		00390	520HF	Cr 0.15	Ax 0.16	15S+ 15.7	SPEC-INT	13R

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		00311	540HF	0.7 5	ID 17	15S+ 15.7	540-MIZ30	13R
		00390	520HF	Cr 0.20	Ax 0.16	15S+ 38.0	SPEC-INT	13R
		00390	520HF	0.7 17	VOL	15S+ 38.0	SPEC-INT	13R
		00311	540HF	0.7 7	ID 23	15S+ 38.0	540-MIZ30	13R
		00390	520HF	Cr 0.15	Ax 0.11	15S+ 43.0	SPEC-INT	13R
		00390	520HF	0.5 18	VOL	15S+ 43.0	SPEC-INT	13R
		00311	540HF	0.5 10	ID 33	15S+ 43.1	540-MIZ30	13R
131	***84***	*00158*	*510UL*	*5.6 175*	*DNT*	*LTE+ 10.7*	*510-MIZ30*	*13R*
		00257	*520HF*	*0.1 8*	*VOL*	*ETL- 0.5*	*KET12*	*13R*
		00257	*520HF*	*Cr 0.10*	*Ax 0.09*	*ETL- 0.5*	*KET12*	*13R*
		00257	*520HF*	*1.2 29*	*NT 57*	*ETL- 0.1*	*KET12*	*13R*
		00257	*520HF*	*1.2 29*	*SCI*	*ETL- 0.1*	*KET12*	*13R*
		00257	*520HF*	*0.3 48*	*ARC*	*ETL- 0.1*	*KET12*	*13R*
		00321	*520HF*	*1.2 20*	*PID*	*ETL- 0.1*	*KET12*	*13R*
131	90	00372	510UL	7.5 178	DNT	LTE+ 10.5	510-MIZ30	13R
		00311	540HF	0.3 3	INR	15S+ 33.5	540-MIZ30	13R
132	**39**	00299	540HF	9.9 178	DNT	LTE+ 16.9	540-MIZ30	13R
		00299	540HF	0.4 7	ID 23	15S+ 31.7	540-MIZ30	13R
		00283	520HF	0.5 22	VOL	UTS -15.5	SPEC-INT	13R
		00283	520HF	Cr 0.20	Ax 0.19	UTS -15.5	SPEC-INT	13R
		00283	520HF	0.2 11	VOL	UTS -13.5	SPEC-INT	13R
		00283	520HF	Cr 0.15	Ax 0.14	UTS -13.5	SPEC-INT	13R
132	53	00172	510UL	2.8 6	INR	LTS+ 0.7	510-MIZ30	13R
132	68	00172	510UL	0.5 90	INR	LTE+ 21.3	510-MIZ30	13R
132	71	00170	510UL	5.6 175	DNT	LTE+ 10.8	510-MIZ30	13R
132	72	00172	510UL	8.6 178	DNT	LTE+ 11.2	510-MIZ30	13R
132	73	00158	510UL	4.9 175	DNT	LTE+ 10.4	510-MIZ30	13R
132	74	00160	510UL	3.1 176	DNT	LTE+ 10.7	510-MIZ30	13R
132	82	00160	510UL	7.6 174	DNT	LTE+ 10.9	510-MIZ30	13R
133	**8**	00299	540HF	0.3 14	BVC	15S+ 43.9	540-MIZ30	13R
		00378	520HF	0.3 18	VOL	UTS -2.3	SPEC-INT	13R
		00378	520HF	Cr 0.15	Ax 0.16	UTS -2.3	SPEC-INT	13R
133	26	00192	510UL	0.2 99	NQI	10S+ 25.3	510-MIZ30	13R
		00331	520HF	0.0 0	NDF	11S -10.7	SPEC-INT	13R
133	**35**	00283	520HF	0.3 14	VOL	ETL- 0.9	SPEC-INT	13R
		00283	520HF	Cr 0.20	Ax 0.20	ETL- 0.9	SPEC-INT	13R
133	**49**	00290	520HF	0.3 39	VOL	ETL- 0.9	SPEC-INT	13R
		00290	520HF	Cr 0.11	Ax 0.16	ETL- 0.9	SPEC-INT	13R
133	66	00172	510UL	0.1 74	INR	09S+ 0.8	510-MIZ30	13R
133	83	00158	510UL	5.2 177	DNT	LTE+ 11.4	510-MIZ30	13R
		00158	510UL	0.4 102	NQI	15S+ 1.5	510-MIZ30	13R
		00290	520HF	0.0 0	NDF	15S+ 1.5	SPEC-INT	13R
133	84	00160	510UL	7.4 175	DNT	LTE+ 11.3	510-MIZ30	13R
134	***1***	*00289*	*520HF*	*Cr 0.19*	*Ax 0.20*	*04S -2.8*	*SPEC-INT*	*13R*
		00289	*520HF*	*0.3 23*	*VOL*	*04S -2.8*	*SPEC-INT*	*13R*
		00289	*520HF*	*0.3 50*	*VOL*	*04S -2.2*	*SPEC-INT*	*13R*
		00289	*520HF*	*Cr 0.14*	*Ax 0.15*	*04S -2.2*	*SPEC-INT*	*13R*
		00283	*520HF*	*0.0 0*	*PRA*	*04S -1.2*	*SPEC-INT*	*13R*
		00289	*520HF*	*Cr 0.19*	*Ax 0.20*	*04S -1.2*	*SPEC-INT*	*13R*
		00289	*520HF*	*0.5 19*	*VOL*	*04S -1.2*	*SPEC-INT*	*13R*

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		00289	520HF	Cr 0.19	Ax 0.15	04S+ 0.7	SPEC-INT	13R
		00289	520HF	0.3 14	VOL	04S+ 0.7	SPEC-INT	13R
		00299	540HF	0.4 9	ID 30	04S+ 1.5	540-MIZ30	13R
		00283	520HF	0.0 0	PRA	04S+ 1.6	SPEC-INT	13R
		00289	520HF	0.4 14	VOL	04S+ 1.6	SPEC-INT	13R
		00289	520HF	Cr 0.14	Ax 0.15	04S+ 1.6	SPEC-INT	13R
		00289	520HF	Cr 0.14	Ax 0.20	04S+ 1.8	SPEC-INT	13R
		00289	520HF	0.2 13	VOL	04S+ 1.8	SPEC-INT	13R
		00299	540HF	0.5 9	ID 30	04S+ 2.4	540-MIZ30	13R
		00283	520HF	0.0 0	PRA	04S+ 2.6	SPEC-INT	13R
		00289	520HF	0.5 9	VOL	04S+ 2.6	SPEC-INT	13R
		00289	520HF	Cr 0.19	Ax 0.20	04S+ 2.6	SPEC-INT	13R
		00299	540HF	0.4 7	ID 23	04S+ 3.3	540-MIZ30	13R
		00299	540HF	0.4 7	ID 23	04S+ 3.3	540-MIZ30	13R
		00283	520HF	0.0 0	PRA	04S+ 3.5	SPEC-INT	13R
		00289	520HF	Cr 0.24	Ax 0.20	04S+ 3.5	SPEC-INT	13R
		00289	520HF	0.5 20	VOL	04S+ 3.5	SPEC-INT	13R
		00299	540HF	0.2 4	INR	04S+ 4.4	540-MIZ30	13R
		00283	520HF	0.0 0	PRA	04S+ 4.9	SPEC-INT	13R
		00289	520HF	Cr 0.14	Ax 0.15	04S+ 4.9	SPEC-INT	13R
		00289	520HF	0.3 33	VOL	04S+ 4.9	SPEC-INT	13R
		00299	540HF	0.5 5	ID 17	04S+ 6.7	540-MIZ30	13R
		00283	520HF	0.0 0	PRA	04S+ 7.1	SPEC-INT	13R
		00289	520HF	Cr 0.14	Ax 0.15	04S+ 7.1	SPEC-INT	13R
		00289	520HF	0.5 29	VOL	04S+ 7.1	SPEC-INT	13R
		00283	520HF	0.0 0	PRA	04S+ 7.4	SPEC-INT	13R
		00289	520HF	Cr 0.14	Ax 0.15	04S+ 7.4	SPEC-INT	13R
		00289	520HF	0.4 15	VOL	04S+ 7.4	SPEC-INT	13R
		00283	520HF	0.0 0	PRA	04S+ 8.2	SPEC-INT	13R
		00289	520HF	Cr 0.14	Ax 0.20	04S+ 8.2	SPEC-INT	13R
		00289	520HF	0.3 19	VOL	04S+ 8.2	SPEC-INT	13R
		00283	520HF	0.0 0	PRA	04S+ 9.4	SPEC-INT	13R
		00289	520HF	0.2 22	VOL	04S+ 9.4	SPEC-INT	13R
		00289	520HF	Cr 0.14	Ax 0.20	04S+ 9.4	SPEC-INT	13R
		00344	520HF	0.4 15	PID	04S+ 9.6	SPEC-INT	13R
		00299	540HF	0.3 17	INR	04S+ 10.1	540-MIZ30	13R
		00283	520HF	0.0 0	PRA	04S+ 10.4	SPEC-INT	13R
		00289	520HF	Cr 0.09	Ax 0.15	04S+ 10.4	SPEC-INT	13R
		00289	520HF	0.2 5	VOL	04S+ 10.4	SPEC-INT	13R
		00289	520HF	Cr 0.14	Ax 0.15	04S+ 11.5	SPEC-INT	13R
		00289	520HF	0.2 30	VOL	04S+ 11.5	SPEC-INT	13R
		00289	520HF	Cr 0.14	Ax 0.15	07S+ 0.2	SPEC-INT	13R
		00289	520HF	0.3 25	VOL	07S+ 0.2	SPEC-INT	13R
		00289	520HF	Cr 0.14	Ax 0.15	07S+ 1.0	SPEC-INT	13R
		00289	520HF	0.3 32	VOL	07S+ 1.0	SPEC-INT	13R
		00289	520HF	0.1 19	VOL	07S+ 1.9	SPEC-INT	13R
		00289	520HF	Cr 0.09	Ax 0.20	07S+ 1.9	SPEC-INT	13R
		00289	520HF	Cr 0.09	Ax 0.15	07S+ 3.2	SPEC-INT	13R
		00289	520HF	0.5 30	VOL	07S+ 3.2	SPEC-INT	13R
		00289	520HF	Cr 0.14	Ax 0.15	07S+ 4.6	SPEC-INT	13R

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		00289	520HF	0.3 21	VOL	07S+ 4.6	SPEC-INT	13R
		00289	520HF	0.2 18	VOL	07S+ 5.4	SPEC-INT	13R
		00289	520HF	Cr 0.19	Ax 0.20	07S+ 5.4	SPEC-INT	13R
		00289	520HF	0.2 20	VOL	07S+ 5.7	SPEC-INT	13R
		00289	520HF	Cr 0.19	Ax 0.20	07S+ 5.7	SPEC-INT	13R
		00289	520HF	0.4 34	VOL	07S+ 5.9	SPEC-INT	13R
		00289	520HF	Cr 0.14	Ax 0.25	07S+ 5.9	SPEC-INT	13R
		00299	540HF	0.3 8	INR	07S+ 6.9	540-MIZ30	13R
		00289	520HF	Cr 0.19	Ax 0.20	07S+ 7.0	SPEC-INT	13R
		00289	520HF	0.4 36	VOL	07S+ 7.0	SPEC-INT	13R
		00289	520HF	0.4 11	VOL	07S+ 7.9	SPEC-INT	13R
		00289	520HF	Cr 0.19	Ax 0.20	07S+ 7.9	SPEC-INT	13R
		00289	520HF	0.3 37	VOL	07S+ 8.8	SPEC-INT	13R
		00289	520HF	Cr 0.14	Ax 0.15	07S+ 8.8	SPEC-INT	13R
		00378	520HF	0.3 357	PID	07S+ 10.2	SPEC-INT	13R
		00289	520HF	0.2 18	VOL	07S+ 10.2	SPEC-INT	13R
		00289	520HF	Cr 0.19	Ax 0.10	07S+ 10.2	SPEC-INT	13R
		00289	520HF	Cr 0.23	Ax 0.15	07S+ 13.4	SPEC-INT	13R
		00289	520HF	0.4 22	VOL	07S+ 13.4	SPEC-INT	13R
		00344	520HF	0.3 19	PID	07S+ 13.8	SPEC-INT	13R
		00289	520HF	Cr 0.14	Ax 0.15	07S+ 13.8	SPEC-INT	13R
		00289	520HF	0.3 13	VOL	07S+ 13.8	SPEC-INT	13R
		00289	520HF	Cr 0.14	Ax 0.20	07S+ 14.2	SPEC-INT	13R
		00289	520HF	0.3 13	VOL	07S+ 14.2	SPEC-INT	13R
		00289	520HF	0.3 17	VOL	07S+ 14.8	SPEC-INT	13R
		00289	520HF	Cr 0.14	Ax 0.20	07S+ 14.8	SPEC-INT	13R
		00289	520HF	0.2 18	VOL	07S+ 15.1	SPEC-INT	13R
		00289	520HF	Cr 0.14	Ax 0.20	07S+ 15.1	SPEC-INT	13R
		00378	520HF	0.6 18	VOL	07S+ 25.2	SPEC-INT	13R
		00378	520HF	Cr 0.15	Ax 0.11	07S+ 25.2	SPEC-INT	13R
		00299	540HF	0.5 11	ID 37	07S+ 25.2	540-MIZ30	13R
134	23	00192	510UL	0.9 94	NQI	LTE+ 16.4	510-MIZ30	13R
		00344	520HF	0.0 0	NDF	LTE+ 16.4	SPEC-INT	13R
		00331	520HF	0.0 0	NDF	LTS -7.6	SPEC-INT	13R
134	29	00192	510UL	1.1 89	INR	13S+ 5.8	510-MIZ30	13R
134	**31**	00235	520HF	1.3 32	VOL	ETL- 0.1	KET03	13R
		00235	520HF	Cr 0.15	Ax 0.10	ETL- 0.1	KET03	13R
134	44	00170	510UL	0.2 111	NQI	08S+ 14.2	510-MIZ30	13R
		00290	520HF	0.0 0	NDF	08S+ 14.2	SPEC-INT	13R
134	**49**	00311	540HF	0.2 11	BVC	15S+ 36.5	540-MIZ30	13R
		00290	520HF	Cr 0.11	Ax 0.10	15S+ 37.1	SPEC-INT	13R
		00290	520HF	0.2 33	VOL	15S+ 37.1	SPEC-INT	13R
		00311	540HF	0.3 9	BVC	15S+ 37.2	540-MIZ30	13R
134	**65**	00311	540HF	0.7 5	ID 17	15S+ 37.6	540-MIZ30	13R
		00290	520HF	0.5 11	VOL	15S+ 37.7	SPEC-INT	13R
		00290	520HF	Cr 0.17	Ax 0.21	15S+ 37.7	SPEC-INT	13R
		00290	520HF	Cr 0.11	Ax 0.16	15S+ 41.6	SPEC-INT	13R
		00290	520HF	0.2 10	VOL	15S+ 41.6	SPEC-INT	13R
		00290	520HF	0.2 21	VOL	15S+ 43.6	SPEC-INT	13R
		00290	520HF	Cr 0.11	Ax 0.10	15S+ 43.6	SPEC-INT	13R

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134	**74**	00372	510UL	9.7 179	DNT	LTE+ 10.6	510-MIZ30	13R
		00390	520HF	1.0 0	WAR 20	14S+ 0.6	SPEC-INT	13R
		00311	540HF	0.3 79	NQI	14S+ 0.7	540-MIZ30	13R
		00390	520HF	0.0 0	NDF	15S+ 2.8	SPEC-INT	13R
		00311	540HF	0.2 99	NQI	15S+ 2.8	540-MIZ30	13R
		00321	520HF	0.7 35	VOL	ETL- 0.1	KET22	13R
		00321	520HF	Cr 0.22	Ax 0.22	ETL- 0.1	KET22	13R
134	76	00158	510UL	9.0 177	DNT	LTE+ 10.6	510-MIZ30	13R
		00290	520HF	0.3 0	WAR 7	15S- 0.1	SPEC-INT	13R
		00158	510UL	0.2 117	NQI	15S+ 0.0	510-MIZ30	13R
134	77	00160	510UL	0.3 113	NQI	13S+ 0.2	510-MIZ30	13R
		00336	520HF	0.5 0	WAR 13	13S+ 0.3	SPEC-INT	13R
134	78	00160	510UL	5.4 174	DNT	LTE+ 10.6	510-MIZ30	13R
134	83	00160	510UL	6.5 172	DNT	LTE+ 11.2	510-MIZ30	13R
134	85	00160	510UL	6.3 175	DNT	LTE+ 11.4	510-MIZ30	13R
135	**2**	00299	540HF	0.4 5	ID 17	13S+ 33.6	540-MIZ30	13R
		00299	540HF	0.4 9	ID 30	13S+ 34.0	540-MIZ30	13R
		00378	520HF	0.0 0	PRA	14S -3.3	SPEC-INT	13R
		00283	520HF	0.2 22	VOL	14S -3.3	SPEC-INT	13R
		00283	520HF	Cr 0.15	Ax 0.24	14S -3.3	SPEC-INT	13R
		00283	520HF	0.4 12	VOL	14S -2.7	SPEC-INT	13R
		00283	520HF	Cr 0.20	Ax 0.19	14S -2.7	SPEC-INT	13R
		00283	520HF	Cr 0.15	Ax 0.19	14S -2.1	SPEC-INT	13R
		00283	520HF	0.2 16	VOL	14S -2.1	SPEC-INT	13R
		00283	520HF	0.3 21	VOL	14S- 0.3	SPEC-INT	13R
		00283	520HF	Cr 0.15	Ax 0.19	14S- 0.3	SPEC-INT	13R
		00299	540HF	0.4 5	ID 17	14S+ 2.3	540-MIZ30	13R
		00283	520HF	Cr 0.15	Ax 0.14	14S+ 2.4	SPEC-INT	13R
		00283	520HF	0.3 25	VOL	14S+ 2.4	SPEC-INT	13R
		00299	540HF	0.4 11	ID 37	15S+ 11.8	540-MIZ30	13R
		00283	520HF	Cr 0.25	Ax 0.24	15S+ 12.1	SPEC-INT	13R
		00283	520HF	0.4 22	VOL	15S+ 12.1	SPEC-INT	13R
		00299	540HF	0.4 5	ID 17	15S+ 16.5	540-MIZ30	13R
		00283	520HF	0.3 18	VOL	15S+ 17.0	SPEC-INT	13R
		00283	520HF	Cr 0.15	Ax 0.14	15S+ 17.0	SPEC-INT	13R
		00299	540HF	0.3 8	ID 27	15S+ 17.7	540-MIZ30	13R
		00283	520HF	Cr 0.15	Ax 0.14	15S+ 18.2	SPEC-INT	13R
		00283	520HF	0.4 23	VOL	15S+ 18.2	SPEC-INT	13R
		00299	540HF	0.2 11	BVC	15S+ 19.4	540-MIZ30	13R
		00283	520HF	0.3 26	VOL	15S+ 20.0	SPEC-INT	13R
		00283	520HF	Cr 0.20	Ax 0.19	15S+ 20.0	SPEC-INT	13R
		00283	520HF	Cr 0.30	Ax 0.24	15S+ 21.2	SPEC-INT	13R
		00283	520HF	0.2 19	VOL	15S+ 21.2	SPEC-INT	13R
		00299	540HF	0.4 6	ID 20	15S+ 21.7	540-MIZ30	13R
		00283	520HF	Cr 0.20	Ax 0.19	15S+ 22.4	SPEC-INT	13R
		00283	520HF	0.3 20	VOL	15S+ 22.4	SPEC-INT	13R
		00283	520HF	0.2 21	VOL	15S+ 25.5	SPEC-INT	13R
		00283	520HF	Cr 0.15	Ax 0.14	15S+ 25.5	SPEC-INT	13R
		00283	520HF	0.0 0	NDF	15S+ 27.2	SPEC-INT	13R
		00283	520HF	0.3 24	VOL	15S+ 28.4	SPEC-INT	13R

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		00283	520HF	Cr 0.15	Ax 0.14	15S+ 28.4	SPEC-INT	13R
		00299	540HF	0.2 10	BVC	15S+ 33.7	540-MIZ30	13R
		00283	520HF	0.3 29	VOL	15S+ 34.8	SPEC-INT	13R
		00283	520HF	Cr 0.15	Ax 0.24	15S+ 34.8	SPEC-INT	13R
		00299	540HF	0.5 7	ID 23	15S+ 35.9	540-MIZ30	13R
		00283	520HF	0.3 28	VOL	15S+ 37.2	SPEC-INT	13R
		00283	520HF	Cr 0.20	Ax 0.19	15S+ 37.2	SPEC-INT	13R
		00378	520HF	Cr 0.15	Ax 0.16	UTS -12.7	SPEC-INT	13R
		00378	520HF	0.3 17	VOL	UTS -12.7	SPEC-INT	13R
		00378	520HF	0.3 29	VOL	UTS -10.1	SPEC-INT	13R
		00378	520HF	Cr 0.15	Ax 0.16	UTS -10.1	SPEC-INT	13R
135	**5**	00378	520HF	Cr 0.15	Ax 0.10	15S -7.4	SPEC-INT	13R
		00378	520HF	0.5 14	VOL	15S -7.4	SPEC-INT	13R
		00299	540HF	0.5 7	ID 23	14S+ 27.7	540-MIZ30	13R
135	7	00258	510UL	2.0 7	INR	LTS+ 43.4	510-MIZ30	13R
135	21	00194	510UL	8.6 176	DNT	09S+ 15.4	510-MIZ30	13R
		00331	520HF	0.0 0	NDF	09S+ 15.4	SPEC-INT	13R
135	56	00172	510UL	1.6 7	INR	LTS+ 0.5	510-MIZ30	13R
135	71	00170	510UL	0.1 88	NQI	11S- 0.4	510-MIZ30	13R
		00290	520HF	0.5 0	WAR 10	11S- 0.4	SPEC-INT	13R
		00170	510UL	0.6 78	INR	12S+ 25.0	510-MIZ30	13R
136	2	00258	510UL	8.4 175	DNT	LTE+ 11.4	510-MIZ30	13R
136	**5**	00404	520HF	0.0 0	NDF	01S+ 2.7	SPEC-INT	13R
		00303	540HF	0.2 97	NQI	01S+ 2.7	540-MIZ30	13R
		00404	520HF	0.2 13	VOL	15S+ 6.9	SPEC-INT	13R
		00404	520HF	Cr 0.16	Ax 0.11	15S+ 6.9	SPEC-INT	13R
		00404	520HF	Cr 0.16	Ax 0.11	15S+ 7.8	SPEC-INT	13R
		00404	520HF	0.1 21	VOL	15S+ 7.8	SPEC-INT	13R
		00404	520HF	0.2 36	VOL	15S+ 8.2	SPEC-INT	13R
		00404	520HF	Cr 0.16	Ax 0.11	15S+ 8.2	SPEC-INT	13R
		00404	520HF	0.1 28	VOL	15S+ 14.4	SPEC-INT	13R
		00404	520HF	Cr 0.10	Ax 0.16	15S+ 14.4	SPEC-INT	13R
		00404	520HF	Cr 0.16	Ax 0.11	15S+ 17.8	SPEC-INT	13R
		00404	520HF	0.2 39	VOL	15S+ 17.8	SPEC-INT	13R
		00404	520HF	0.1 36	VOL	15S+ 18.8	SPEC-INT	13R
		00404	520HF	Cr 0.16	Ax 0.11	15S+ 18.8	SPEC-INT	13R
		00303	540HF	0.3 9	BVC	15S+ 21.4	540-MIZ30	13R
		00404	520HF	Cr 0.16	Ax 0.11	15S+ 21.5	SPEC-INT	13R
		00404	520HF	0.4 16	VOL	15S+ 21.5	SPEC-INT	13R
		00404	520HF	0.2 27	VOL	15S+ 21.8	SPEC-INT	13R
		00404	520HF	Cr 0.16	Ax 0.11	15S+ 21.8	SPEC-INT	13R
		00303	540HF	0.2 11	BVC	15S+ 30.3	540-MIZ30	13R
		00303	540HF	0.3 6	BVC	15S+ 33.9	540-MIZ30	13R
		00283	520HF	0.4 21	VOL	UTS -17.0	SPEC-INT	13R
		00283	520HF	Cr 0.20	Ax 0.19	UTS -17.0	SPEC-INT	13R
		00283	520HF	0.3 29	VOL	UTS -13.2	SPEC-INT	13R
		00283	520HF	Cr 0.15	Ax 0.14	UTS -13.2	SPEC-INT	13R
		00303	540HF	0.5 8	ID 27	15S+ 39.2	540-MIZ30	13R
		00283	520HF	0.6 25	VOL	UTS -7.5	SPEC-INT	13R
		00283	520HF	Cr 0.20	Ax 0.14	UTS -7.5	SPEC-INT	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
136	**6**	00299	540HF	0.2 11	ID 37	15S+ 33.4	540-MIZ30	13R
		00299	540HF	0.5 11	ID 37	15S+ 36.3	540-MIZ30	13R
		00283	520HF	0.0 0	NDF	UTS -14.4	SPEC-INT	13R
		00283	520HF	0.2 27	VOL	UTS -13.0	SPEC-INT	13R
		00283	520HF	Cr 0.15	Ax 0.14	UTS -13.0	SPEC-INT	13R
		00283	520HF	0.2 16	VOL	UTS -11.9	SPEC-INT	13R
		00283	520HF	Cr 0.10	Ax 0.14	UTS -11.9	SPEC-INT	13R
		00299	540HF	0.3 7	BVC	15S+ 39.9	540-MIZ30	13R
		00283	520HF	Cr 0.25	Ax 0.14	UTS -10.6	SPEC-INT	13R
		00283	520HF	0.8 25	VOL	UTS -10.6	SPEC-INT	13R
		00283	520HF	Cr 0.15	Ax 0.10	UTS -6.9	SPEC-INT	13R
		00283	520HF	0.2 12	VOL	UTS -6.9	SPEC-INT	13R
		00283	520HF	Cr 0.20	Ax 0.19	UTS+ 1.8	SPEC-INT	13R
		00283	520HF	0.2 32	VOL	UTS+ 1.8	SPEC-INT	13R
136	8	00260	510UL	0.4 42	NQI	08S- 0.8	510-MIZ30	13R
		00340	520HF	0.6 0	WAR 9	08S- 0.7	SPEC-INT	13R
136	34	00194	510UL	0.7 76	NQI	LTE+ 12.6	510-MIZ30	13R
		00331	520HF	0.0 0	NDF	LTS -11.4	SPEC-INT	13R
136	**38**	00243	520HF	Cr 0.17	Ax 0.18	ETL- 0.1	KET12	13R
		00243	520HF	0.5 19	VOL	ETL- 0.1	KET12	13R
136	40	00194	510UL	0.4 103	INR	LTS- 0.9	510-MIZ30	13R
136	43	00172	510UL	0.6 74	NQI	LTS- 0.3	510-MIZ30	13R
		00290	520HF	0.0 0	NDF	LTS- 0.3	SPEC-INT	13R
136	50	00170	510UL	6.2 176	DNT	LTE+ 10.6	510-MIZ30	13R
136	51	00172	510UL	7.6 177	DNT	LTE+ 11.0	510-MIZ30	13R
136	53	00290	520HF	0.5 0	WAR 11	09S- 0.4	SPEC-INT	13R
		00172	510UL	0.2 81	NQI	09S- 0.4	510-MIZ30	13R
136	63	00172	510UL	0.1 48	INR	09S+ 0.8	510-MIZ30	13R
136	65	00290	520HF	0.5 0	WAR 12	09S+ 0.8	SPEC-INT	13R
		00172	510UL	0.2 93	NQI	09S+ 0.8	510-MIZ30	13R
136	**69**	00311	540HF	0.4 8	ID 27	15S+ 11.7	540-MIZ30	13R
		00290	520HF	0.5 13	VOL	15S+ 11.7	SPEC-INT	13R
		00290	520HF	Cr 0.11	Ax 0.16	15S+ 11.7	SPEC-INT	13R
		00311	540HF	0.4 3	INR	15S+ 13.1	540-MIZ30	13R
		00290	520HF	0.2 22	VOL	15S+ 13.2	SPEC-INT	13R
		00290	520HF	Cr 0.11	Ax 0.10	15S+ 13.2	SPEC-INT	13R
		00290	520HF	Cr 0.17	Ax 0.16	15S+ 23.6	SPEC-INT	13R
		00290	520HF	0.3 22	VOL	15S+ 23.6	SPEC-INT	13R
		00311	540HF	0.4 6	ID 20	15S+ 33.5	540-MIZ30	13R
		00290	520HF	0.3 30	VOL	15S+ 33.5	SPEC-INT	13R
		00290	520HF	Cr 0.17	Ax 0.16	15S+ 33.5	SPEC-INT	13R
		00311	540HF	0.8 7	ID 23	15S+ 37.7	540-MIZ30	13R
		00290	520HF	Cr 0.17	Ax 0.21	15S+ 37.8	SPEC-INT	13R
		00290	520HF	0.8 20	VOL	15S+ 37.8	SPEC-INT	13R
		00290	520HF	Cr 0.22	Ax 0.21	15S+ 40.0	SPEC-INT	13R
		00290	520HF	0.4 22	VOL	15S+ 40.0	SPEC-INT	13R
		00290	520HF	0.3 26	VOL	15S+ 43.7	SPEC-INT	13R
		00290	520HF	Cr 0.11	Ax 0.21	15S+ 43.7	SPEC-INT	13R
		00290	520HF	0.3 17	VOL	15S+ 46.3	SPEC-INT	13R
		00290	520HF	Cr 0.17	Ax 0.16	15S+ 46.3	SPEC-INT	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00290	520HF	Cr 0.11	Ax 0.16	UTS+ 0.8	SPEC-INT	13R
		00290	520HF	0.2 8	VOL	UTS+ 0.8	SPEC-INT	13R
136	*80*	*00160*	*510UL*	*9.6 175*	*DNT*	*LTE+ 11.5*	*510-MIZ30*	*13R*
		00336	*520HF*	*0.7 0*	*WAR 16*	*14S+ 0.7*	*SPEC-INT*	*13R*
		00160	*510UL*	*0.4 101*	*NQI*	*14S+ 33.8*	*510-MIZ30*	*13R*
		00336	*520HF*	*0.2 106*	*SVI*	*14S+ 34.0*	*SPEC-INT*	*13R*
		00336	*520HF*	*Cr 0.22*	*Ax 0.22*	*14S+ 34.0*	*SPEC-INT*	*13R*
		00390	*520HF*	*0.2 96*	*PID*	*14S+ 34.0*	*SPEC-INT*	*13R*
137	2	00260	510UL	9.4 175	DNT	LTE+ 11.5	510-MIZ30	13R
		00260	510UL	2.7 175	DNT	LTE+ 12.8	510-MIZ30	13R
137	6	00260	510UL	2.8 174	DNT	LTE+ 10.1	510-MIZ30	13R
137	7	00258	510UL	0.2 106	NQI	10S+ 11.0	510-MIZ30	13R
		00340	520HF	0.0 0	NDF	10S+ 11.0	SPEC-INT	13R
137	16	00192	510UL	0.3 45	NQI	05S- 0.8	510-MIZ30	13R
		00331	520HF	0.2 74	WAR 5	05S- 0.8	SPEC-INT	13R
137	39	00194	510UL	0.4 79	NQI	14S+ 0.0	510-MIZ30	13R
		00331	520HF	0.7 84	WAR 13	14S+ 0.1	SPEC-INT	13R
		00331	520HF	0.7 86	WAR 14	14S+ 0.1	SPEC-INT	13R
137	45	00172	510UL	1.0 77	NQI	LTE+ 19.9	510-MIZ30	13R
		00290	520HF	0.0 0	NDF	LTE+ 19.9	SPEC-INT	13R
137	47	00290	520HF	0.7 0	WAR 15	09S- 0.5	SPEC-INT	13R
		00172	510UL	0.3 61	NQI	09S- 0.4	510-MIZ30	13R
137	48	00172	510UL	6.5 176	DNT	LTE+ 10.0	510-MIZ30	13R
137	50	00172	510UL	6.8 177	DNT	LTE+ 10.6	510-MIZ30	13R
137	68	00172	510UL	6.8 178	DNT	LTE+ 10.3	510-MIZ30	13R
138	25	00192	510UL	0.6 84	INR	LTE+ 13.4	510-MIZ30	13R
		00192	510UL	1.4 71	INR	12S+ 13.5	510-MIZ30	13R
138	47	00178	510UL	6.0 177	DNT	LTE+ 10.7	510-MIZ30	13R
138	48	00176	510UL	6.7 174	DNT	LTE+ 10.7	510-MIZ30	13R
138	**65**	00406	520HF	1.0 0	WAR 25	14S+ 0.7	SPEC-INT	13R
		00311	540HF	0.2 43	NQI	14S+ 0.7	540-MIZ30	13R
		00311	540HF	0.8 8	ID 27	UTS+ 6.3	540-MIZ30	13R
		00290	520HF	0.6 25	VOL	ETL -1.2	SPEC-INT	13R
		00290	520HF	Cr 0.22	Ax 0.20	ETL -1.2	SPEC-INT	13R
139	24	00331	520HF	0.0 0	NDF	03S -3.0	SPEC-INT	13R
		00200	510UL	2.0 81	ADI	02S+ 36.0	510-MIZ30	13R
139	**26**	00243	520HF	0.5 27	VOL	ETL- 0.0	KET12	13R
		00243	520HF	Cr 0.16	Ax 0.19	ETL- 0.0	KET12	13R
139	**33**	00241	520HF	0.3 17	VOL	ETL- 0.6	KET12	13R
		00241	520HF	Cr 0.17	Ax 0.13	ETL- 0.6	KET12	13R
139	**49**	00261	520HF	0.2 13	VOL	ETL -1.0	KET12	13R
		00261	520HF	Cr 0.11	Ax 0.13	ETL -1.0	KET12	13R
139	55	00176	510UL	0.9 79	INR	LTE+ 20.9	510-MIZ30	13R
139	66	00176	510UL	3.5 169	DNT	LTE+ 10.4	510-MIZ30	13R
		00176	510UL	0.1 108	INR	14S+ 0.6	510-MIZ30	13R
139	**67**	00372	510UL	9.0 177	DNT	LTE+ 10.1	510-MIZ30	13R
		00390	520HF	0.6 0	WAR 13	14S+ 0.7	SPEC-INT	13R
		00311	540HF	0.2 67	NQI	14S+ 0.7	540-MIZ30	13R
		00311	540HF	0.6 9	ID 30	15S+ 45.9	540-MIZ30	13R
		00290	520HF	Cr 0.17	Ax 0.20	UTS- 0.6	SPEC-INT	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00290	520HF	0.7 13	VOL	UTS- 0.6	SPEC-INT	13R
139	70	00158	510UL	3.8 178	DNT	LTE+ 10.1	510-MIZ30	13R
		00158	510UL	7.5 175	DNT	LTE+ 11.0	510-MIZ30	13R
139	**71**	00311	540HF	3.3 176	DNT	LTE+ 11.2	540-MIZ30	13R
		00390	520HF	Cr 0.15	Ax 0.11	13S+ 25.9	SPEC-INT	13R
		00390	520HF	0.6 18	VOL	13S+ 25.9	SPEC-INT	13R
		00311	540HF	0.7 7	ID 23	13S+ 25.9	540-MIZ30	13R
		00390	520HF	0.4 8	VOL	13S+ 35.1	SPEC-INT	13R
		00390	520HF	Cr 0.15	Ax 0.11	13S+ 35.1	SPEC-INT	13R
		00390	520HF	0.0 0	NDF	15S+ 1.5	SPEC-INT	13R
		00311	540HF	0.7 99	NQI	15S+ 1.5	540-MIZ30	13R
		00263	520HF	Cr 0.11	Ax 0.13	ETL- 0.6	KET06	13R
		00263	520HF	0.4 27	VOL	ETL- 0.6	KET06	13R
140	7	00202	510UL	0.7 89	NQI	10S+ 0.6	510-MIZ30	13R
		00331	520HF	0.5 81	WAR 10	10S+ 0.7	SPEC-INT	13R
140	10	00200	510UL	0.2 72	NQI	LTS+ 36.2	510-MIZ30	13R
		00331	520HF	0.1 90	NDF	01S -9.8	SPEC-INT	13R
140	50	00178	510UL	0.3 72	NQI	LTE+ 10.1	510-MIZ30	13R
		00336	520HF	0.0 0	NDF	LTE+ 10.1	SPEC-INT	13R
140	61	00176	510UL	0.5 105	NQI	LTE+ 8.8	510-MIZ30	13R
		00336	520HF	0.0 0	NDF	LTE+ 8.8	SPEC-INT	13R
140	**67**	00372	510UL	10.5 178	DNT	LTE+ 10.7	510-MIZ30	13R
		00303	540HF	0.6 9	ID 30	UTS+ 3.4	540-MIZ30	13R
		00290	520HF	0.2 22	VOL	UTS+ 3.6	SPEC-INT	13R
		00290	520HF	Cr 0.28	Ax 0.21	UTS+ 3.6	SPEC-INT	13R
140	69	00303	540HF	4.9 177	DNT	LTE+ 10.6	540-MIZ30	13R
		00390	520HF	0.0 0	NDF	15S+ 1.9	SPEC-INT	13R
		00303	540HF	0.2 101	NQI	15S+ 1.9	540-MIZ30	13R
140	70	00311	540HF	2.9 171	DNT	LTE+ 11.5	540-MIZ30	13R
		00390	520HF	0.0 0	NDF	13S+ 0.0	SPEC-INT	13R
		00311	540HF	0.1 73	NQI	13S+ 0.0	540-MIZ30	13R
		00390	520HF	0.5 78	WAR 8	14S+ 0.7	SPEC-INT	13R
		00311	540HF	0.3 80	NQI	14S+ 0.7	540-MIZ30	13R
141	**2**	00258	510UL	0.2 68	INR	12S- 0.9	510-MIZ30	13R
		00340	520HF	0.0 0	PRA	12S- 0.7	SPEC-INT	13R
		00279	520HF	0.5 0	WAR 11	12S- 0.7	SPEC-INT	13R
		00279	520HF	0.2 9	VOL	12S+ 4.3	SPEC-INT	13R
		00279	520HF	Cr 0.09	Ax 0.10	12S+ 4.3	SPEC-INT	13R
141	8	00202	510UL	16.4 183	IDC	02S+ 1.6	510-MIZ30	13R
		00340	520HF	0.0 0	NDF	02S+ 1.6	SPEC-INT	13R
		00202	510UL	10.4 5	IDC	03S+ 2.3	510-MIZ30	13R
		00340	520HF	0.0 0	NDF	03S+ 2.3	SPEC-INT	13R
141	27	00200	510UL	0.7 100	NQI	LTE+ 21.5	510-MIZ30	13R
		00331	520HF	0.0 0	NDF	LTS -2.5	SPEC-INT	13R
141	44	00176	510UL	0.3 104	NQI	LTE+ 18.5	510-MIZ30	13R
		00336	520HF	0.0 0	NDF	LTE+ 18.5	SPEC-INT	13R
141	**47**	00263	520HF	Cr 0.15	Ax 0.10	ETL- 0.2	KET12	13R
		00263	520HF	0.3 31	VOL	ETL- 0.2	KET12	13R
141	**50**	00176	510UL	6.3 172	DNT	LTE+ 10.8	510-MIZ30	13R
		00290	520HF	Cr 0.17	Ax 0.10	UTS- 0.3	KET22	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00290	520HF	1.0 29	VOL	UTS- 0.3	KET22	13R
		00290	520HF	2.4 29	VOL	UTS- 0.2	KET22	13R
		00290	520HF	Cr 0.22	Ax 0.15	UTS- 0.2	KET22	13R
		00290	520HF	0.3 24	VOL	ETL -1.6	SPEC-INT	13R
		00290	520HF	Cr 0.11	Ax 0.10	ETL -1.6	SPEC-INT	13R
141	51	00178	510UL	6.4 176	DNT	LTE+ 11.1	510-MIZ30	13R
141	60	00390	520HF	0.0 0	NDF	15S+ 1.7	SPEC-INT	13R
		00303	540HF	0.2 70	NQI	15S+ 1.7	540-MIZ30	13R
		00390	520HF	0.0 0	NDF	15S+ 45.7	SPEC-INT	13R
		00303	540HF	0.4 7	BVC	15S+ 45.7	540-MIZ30	13R
142	27	00200	510UL	0.3 77	INR	LTE+ 18.0	510-MIZ30	13R
142	28	00202	510UL	0.4 80	INR	LTE+ 18.4	510-MIZ30	13R
142	**29**	00331	520HF	0.3 7	VOL	ETL -2.3	SPEC-INT	13R
		00331	520HF	Cr 0.15	Ax 0.14	ETL -2.3	SPEC-INT	13R
		00331	520HF	Cr 0.15	Ax 0.14	ETL -1.9	SPEC-INT	13R
		00331	520HF	0.3 27	VOL	ETL -1.9	SPEC-INT	13R
142	45	00178	510UL	0.3 83	NQI	LTE+ 10.6	510-MIZ30	13R
		00336	520HF	0.0 0	NDF	LTE+ 10.6	SPEC-INT	13R
142	48	00176	510UL	6.3 173	DNT	LTE+ 10.7	510-MIZ30	13R
142	55	00176	510UL	5.8 171	DNT	LTE+ 11.1	510-MIZ30	13R
143	**6**	00241	520HF	Cr 0.12	Ax 0.12	ETL- 0.5	KET12	13R
		00241	520HF	0.2 11	VOL	ETL- 0.5	KET12	13R
143	25	00202	510UL	0.1 68	INR	LTE+ 16.2	510-MIZ30	13R
143	**26**	00279	520HF	Cr 0.10	Ax 0.10	ETL -2.8	SPEC-INT	13R
		00279	520HF	0.4 13	VOL	ETL -2.8	SPEC-INT	13R
		00321	520HF	Cr 0.15	Ax 0.14	ETL- 0.7	KET12	13R
		00321	520HF	0.8 29	VOL	ETL- 0.7	KET12	13R
		00279	520HF	0.9 25	VOL	ETL- 0.6	SPEC-INT	13R
		00279	520HF	Cr 0.19	Ax 0.15	ETL- 0.6	SPEC-INT	13R
		00241	520HF	0.8 20	VOL	ETL- 0.5	KET12	13R
		00241	520HF	Cr 0.17	Ax 0.12	ETL- 0.5	KET12	13R
143	47	00178	510UL	5.9 176	DNT	LTE+ 11.1	510-MIZ30	13R
143	48	00176	510UL	6.0 172	DNT	LTE+ 11.2	510-MIZ30	13R
143	50	00176	510UL	6.3 173	DNT	LTE+ 11.1	510-MIZ30	13R
143	51	00178	510UL	7.6 176	DNT	LTE+ 11.0	510-MIZ30	13R
143	**52**	00261	520HF	Cr 0.11	Ax 0.13	ETL -1.2	KET12	13R
		00261	520HF	0.3 16	VOL	ETL -1.2	KET12	13R
143	53	00178	510UL	5.3 173	DNT	LTE+ 11.4	510-MIZ30	13R
143	55	00303	540HF	6.6 174	DNT	LTE+ 11.2	540-MIZ30	13R
143	57	00390	520HF	0.0 0	NDF	15S+ 43.3	SPEC-INT	13R
		00303	540HF	0.4 9	ID 30	15S+ 43.3	540-MIZ30	13R
144	**2**	00378	520HF	0.6 9	VOL	13S -14.0	SPEC-INT	13R
		00378	520HF	Cr 0.15	Ax 0.11	13S -14.0	SPEC-INT	13R
		00378	520HF	Cr 0.15	Ax 0.10	13S -5.6	SPEC-INT	13R
		00378	520HF	0.7 15	VOL	13S -5.6	SPEC-INT	13R
		00303	540HF	0.4 10	BVC	12S+ 31.2	540-MIZ30	13R
144	19	00200	510UL	0.1 147	INR	LTE+ 15.0	510-MIZ30	13R
144	23	00200	510UL	0.5 85	NQI	LTE+ 13.5	510-MIZ30	13R
		00331	520HF	0.0 0	NDF	LTS -10.5	SPEC-INT	13R
144	25	00200	510UL	0.2 97	NQI	09S+ 0.3	510-MIZ30	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00331	520HF	0.6 104	WAR 11	09S+ 0.4	SPEC-INT	13R
		00200	510UL	0.3 42	NQI	09S+ 0.7	510-MIZ30	13R
		00331	520HF	1.0 95	WAR 18	09S+ 0.7	SPEC-INT	13R
144	27	00200	510UL	0.2 94	NQI	09S+ 0.1	510-MIZ30	13R
		00331	520HF	0.6 107	WAR 12	09S+ 0.1	SPEC-INT	13R
144	45	00176	510UL	3.2 167	DNT	LTE+ 8.8	510-MIZ30	13R
144	47	00176	510UL	5.9 171	DNT	LTE+ 11.1	510-MIZ30	13R
144	51	00178	510UL	5.8 178	DNT	LTE+ 11.1	510-MIZ30	13R
145	8	00200	510UL	6.5 177	DNT	LTE+ 11.6	510-MIZ30	13R
145	10	00200	510UL	4.5 175	DNT	LTE+ 10.9	510-MIZ30	13R
		00200	510UL	2.5 175	DNT	LTE+ 12.4	510-MIZ30	13R
145	**16**	00241	520HF	Cr 0.20	Ax 0.14	ETL- 0.2	KET12	13R
		00241	520HF	0.3 11	VOL	ETL- 0.2	KET12	13R
145	35	00178	510UL	0.5 74	NQI	LTS- 0.4	510-MIZ30	13R
		00336	520HF	0.0 0	NDF	LTS- 0.4	SPEC-INT	13R
145	37	00178	510UL	0.5 115	INR	12S+ 28.6	510-MIZ30	13R
145	42	00176	510UL	0.6 110	NQI	LTS- 0.5	510-MIZ30	13R
		00336	520HF	0.0 0	NDF	LTS- 0.5	SPEC-INT	13R
145	47	00176	510UL	7.2 174	DNT	LTE+ 10.9	510-MIZ30	13R
145	**50**	00303	540HF	1.3 9	ID 30	UTS+ 4.2	540-MIZ30	13R
		00290	520HF	Cr 0.17	Ax 0.15	UTS+ 4.4	KET12	13R
		00290	520HF	0.8 21	VOL	UTS+ 4.4	SPEC-INT	13R
		00290	520HF	Cr 0.22	Ax 0.10	UTS+ 4.4	KET12	13R
		00290	520HF	0.6 23	VOL	UTS+ 4.4	SPEC-INT	13R
		00303	540HF	10.3 176	BNR	UTS+ 6.8	540-MIZ30	13R
		00261	520HF	2.0 37	VOL	ETL- 0.3	KET12	13R
		00261	520HF	Cr 0.17	Ax 0.17	ETL- 0.3	KET12	13R
146	**1**	00378	520HF	0.7 18	VOL	05S -10.7	SPEC-INT	13R
		00378	520HF	Cr 0.20	Ax 0.11	05S -10.7	SPEC-INT	13R
		00303	540HF	0.7 9	ID 30	04S+ 35.6	540-MIZ30	13R
		00378	520HF	0.3 18	VOL	05S -3.3	SPEC-INT	13R
		00378	520HF	Cr 0.15	Ax 0.16	05S -3.3	SPEC-INT	13R
146	**3**	00378	520HF	0.3 21	VOL	13S -10.2	SPEC-INT	13R
		00378	520HF	Cr 0.10	Ax 0.10	13S -10.2	SPEC-INT	13R
		00303	540HF	0.4 7	ID 23	12S+ 26.4	540-MIZ30	13R
146	**4**	00279	520HF	Cr 0.09	Ax 0.10	14S+ 13.4	SPEC-INT	13R
		00279	520HF	0.2 17	VOL	14S+ 13.4	SPEC-INT	13R
		00303	540HF	0.3 5	BVC	14S+ 18.2	540-MIZ30	13R
		00279	520HF	Cr 0.18	Ax 0.15	14S+ 18.6	SPEC-INT	13R
		00279	520HF	0.5 15	VOL	14S+ 18.6	SPEC-INT	13R
		00279	520HF	Cr 0.18	Ax 0.15	14S+ 21.4	SPEC-INT	13R
		00279	520HF	0.6 14	VOL	14S+ 21.4	SPEC-INT	13R
		00279	520HF	Cr 0.14	Ax 0.15	14S+ 24.2	SPEC-INT	13R
		00279	520HF	0.5 17	VOL	14S+ 24.2	SPEC-INT	13R
		00279	520HF	0.4 15	VOL	14S+ 26.9	SPEC-INT	13R
		00279	520HF	Cr 0.14	Ax 0.15	14S+ 26.9	SPEC-INT	13R
146	7	00200	510UL	7.2 179	DNT	LTE+ 10.8	510-MIZ30	13R
146	9	00202	510UL	6.4 178	DNT	LTE+ 11.0	510-MIZ30	13R
146	16	00200	510UL	0.4 98	NQI	LTE+ 18.0	510-MIZ30	13R
		00340	520HF	0.0 0	NDF	LTE+ 18.0	SPEC-INT	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00327	520HF	0.0 0	NDF	LTS -5.9	SPEC-INT	13R
146	23	00200	510UL	3.6 178	DNT	LTE+ 9.0	510-MIZ30	13R
146	25	00202	510UL	4.7 175	DNT	LTE+ 8.8	510-MIZ30	13R
146	26	00200	510UL	0.2 61	NQI	02S+ 30.8	510-MIZ30	13R
		00331	520HF	0.0 0	NDF	03S -8.2	SPEC-INT	13R
146	32	00176	510UL	1.3 93	INR	01S+ 8.9	510-MIZ30	13R
146	39	00176	510UL	0.2 108	NQI	09S+ 0.5	510-MIZ30	13R
		00336	520HF	0.5 0	WAR 12	09S+ 0.7	SPEC-INT	13R
146	**43**	00303	540HF	0.4 9	BVC	15S+ 34.1	540-MIZ30	13R
		00390	520HF	Cr 0.15	Ax 0.11	15S+ 34.3	SPEC-INT	13R
		00390	520HF	0.2 2	VOL	15S+ 34.3	SPEC-INT	13R
		00390	520HF	Cr 0.25	Ax 0.16	15S+ 35.2	SPEC-INT	13R
		00390	520HF	0.7 20	VOL	15S+ 35.2	SPEC-INT	13R
		00303	540HF	0.4 15	BVC	15S+ 35.3	540-MIZ30	13R
		00390	520HF	0.0 0	NDF	15S+ 36.2	SPEC-INT	13R
		00303	540HF	0.4 6	ID 20	15S+ 36.2	540-MIZ30	13R
146	48	00178	510UL	7.7 177	DNT	LTE+ 11.0	510-MIZ30	13R
146	**50**	00290	520HF	Cr 0.22	Ax 0.21	03S+ 34.9	SPEC-INT	13R
		00290	520HF	0.5 25	VOL	03S+ 34.9	SPEC-INT	13R
		00303	540HF	0.7 11	ID 37	03S+ 35.8	540-MIZ30	13R
147	**2**	00303	540HF	0.4 8	ID 27	12S+ 10.6	540-MIZ30	13R
		00378	520HF	0.5 15	VOL	12S+ 10.9	SPEC-INT	13R
		00378	520HF	Cr 0.15	Ax 0.10	12S+ 10.9	SPEC-INT	13R
147	3	00200	510UL	5.8 179	DNT	LTE+ 11.3	510-MIZ30	13R
		00200	510UL	2.6 188	DNT	11S+ 24.5	510-MIZ30	13R
147	5	00202	510UL	5.6 176	DNT	LTE+ 10.7	510-MIZ30	13R
147	6	00200	510UL	5.8 180	DNT	LTE+ 10.7	510-MIZ30	13R
147	**15**	00279	520HF	0.5 17	VOL	15S+ 20.2	SPEC-INT	13R
		00279	520HF	Cr 0.18	Ax 0.25	15S+ 20.2	SPEC-INT	13R
		00303	540HF	0.4 8	ID 27	15S+ 20.3	540-MIZ30	13R
147	16	00200	510UL	0.3 96	NQI	LTE+ 16.0	510-MIZ30	13R
		00340	520HF	0.0 0	NDF	LTE+ 16.0	SPEC-INT	13R
		00327	520HF	0.0 0	NDF	LTS -8.0	SPEC-INT	13R
147	**19**	00279	520HF	0.4 17	VOL	ETL -4.5	SPEC-INT	13R
		00279	520HF	Cr 0.15	Ax 0.10	ETL -4.5	SPEC-INT	13R
		00303	540HF	0.4 15	BVC	UTS+ 6.3	540-MIZ30	13R
		00279	520HF	Cr 0.15	Ax 0.10	ETL -3.9	SPEC-INT	13R
		00279	520HF	0.3 22	VOL	ETL -3.9	SPEC-INT	13R
		00279	520HF	0.4 29	VOL	ETL -2.2	SPEC-INT	13R
		00279	520HF	Cr 0.15	Ax 0.15	ETL -2.2	SPEC-INT	13R
		00279	520HF	Cr 0.19	Ax 0.10	ETL- 0.5	SPEC-INT	13R
		00279	520HF	0.4 17	VOL	ETL- 0.5	SPEC-INT	13R
147	36	00178	510UL	5.5 176	DNT	LTE+ 10.3	510-MIZ30	13R
147	40	00178	510UL	2.8 174	DNT	LTE+ 10.5	510-MIZ30	13R
147	42	00176	510UL	8.5 172	DNT	LTE+ 10.9	510-MIZ30	13R
147	44	00176	510UL	6.4 172	DNT	LTE+ 10.9	510-MIZ30	13R
148	**17**	00279	520HF	1.0 33	VOL	ETL -2.1	SPEC-INT	13R
		00279	520HF	Cr 0.15	Ax 0.09	ETL -2.1	SPEC-INT	13R
148	29	00176	510UL	8.0 173	DNT	LTE+ 11.1	510-MIZ30	13R
148	**30**	00290	520HF	0.6 23	VOL	ETL -2.8	SPEC-INT	13R

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		00290	520HF	Cr 0.22	Ax 0.21	ETL -2.8	SPEC-INT	13R
148	33	00176	510UL	6.0 173	DNT	LTE+ 10.7	510-MIZ30	13R
149	24	00176	510UL	6.0 172	DNT	LTE+ 11.4	510-MIZ30	13R
149	26	00176	510UL	8.3 173	DNT	LTE+ 11.3	510-MIZ30	13R
149	**30**	00303	540HF	3.0 174	DNT	LTE+ 8.9	540-MIZ30	13R
		00303	540HF	6.2 177	DNT	LTE+ 10.7	540-MIZ30	13R
		00303	540HF	0.2 11	INR	05S+ 27.7	540-MIZ30	13R
		00303	540HF	0.2 27	BVC	12S+ 6.6	540-MIZ30	13R
		00404	520HF	1.8 23	PID	12S+ 6.8	SPEC-INT	13R
		00404	520HF	1.3 32	VOL	12S+ 6.8	SPEC-INT	13R
		00404	520HF	Cr 0.21	Ax 0.16	12S+ 6.8	SPEC-INT	13R
		00303	540HF	0.3 11	INR	14S+ 1.2	540-MIZ30	13R
		00303	540HF	0.1 312	INR	UTS+ 3.3	540-MIZ30	13R
149	**31**	00335	540HF	6.3 177	DNT	LTS -14.2	540-MIZ30	13R
		00176	510UL	7.0 173	DNT	LTE+ 10.5	510-MIZ30	13R
		00335	540HF	0.2 178	INR	08S+ 15.9	540-MIZ30	13R
		00176	510UL	0.2 5	BVC	08S+ 15.9	510-MIZ30	13R
		00336	520HF	Cr 0.16	Ax 0.22	08S+ 15.9	SPEC-INT	13R
		00336	520HF	0.4 18	VOL	08S+ 15.9	SPEC-INT	13R
		00337	520HF	0.0 0	PRA	08S+ 15.9	SPEC-INT	13R
150	6	00200	510UL	8.0 178	DNT	LTE+ 11.4	510-MIZ30	13R
150	**8**	00303	540HF	4.8 174	DNT	LTE+ 10.6	540-MIZ30	13R
		00303	540HF	0.2 20	INR	15S+ 0.3	540-MIZ30	13R
		00404	520HF	0.0 0	PRA	15S+ 2.4	SPEC-INT	13R
		00279	520HF	Cr 0.18	Ax 0.20	15S+ 2.4	SPEC-INT	13R
		00279	520HF	0.4 8	VOL	15S+ 2.4	SPEC-INT	13R
		00303	540HF	0.5 11	ID 37	15S+ 3.6	540-MIZ30	13R
		00404	520HF	0.0 0	PRA	15S+ 3.7	SPEC-INT	13R
		00279	520HF	Cr 0.14	Ax 0.15	15S+ 3.7	SPEC-INT	13R
		00279	520HF	0.6 11	VOL	15S+ 3.7	SPEC-INT	13R
		00404	520HF	0.3 17	VOL	15S+ 17.4	SPEC-INT	13R
		00404	520HF	Cr 0.16	Ax 0.10	15S+ 17.4	SPEC-INT	13R
		00303	540HF	0.4 8	ID 27	15S+ 18.5	540-MIZ30	13R
		00404	520HF	Cr 0.16	Ax 0.10	15S+ 18.8	SPEC-INT	13R
		00404	520HF	0.1 30	VOL	15S+ 18.8	SPEC-INT	13R
		00404	520HF	Cr 0.16	Ax 0.10	15S+ 19.8	SPEC-INT	13R
		00404	520HF	0.2 27	VOL	15S+ 19.8	SPEC-INT	13R
		00279	520HF	0.3 18	VOL	UTS -4.1	KET12	13R
		00279	520HF	Cr 0.14	Ax 0.10	UTS -4.1	KET12	13R
		00303	540HF	0.2 39	INR	UTS+ 6.3	540-MIZ30	13R
		00241	520HF	Cr 0.17	Ax 0.17	ETL- 0.6	KET12	13R
		00241	520HF	0.7 23	VOL	ETL- 0.6	KET12	13R
		00279	520HF	0.6 26	VOL	ETL- 0.5	SPEC-INT	13R
		00279	520HF	Cr 0.19	Ax 0.15	ETL- 0.5	SPEC-INT	13R
150	15	00176	510UL	7.8 171	DNT	LTE+ 10.7	510-MIZ30	13R
150	16	00178	510UL	8.3 176	DNT	LTE+ 10.9	510-MIZ30	13R
150	21	00178	510UL	5.6 179	DNT	LTE+ 11.0	510-MIZ30	13R
150	22	00176	510UL	7.3 173	DNT	LTE+ 11.2	510-MIZ30	13R
150	**24**	00404	520HF	0.0 0	NDF	10S+ 0.7	SPEC-INT	13R
		00303	540HF	0.3 87	NQI	10S+ 0.7	540-MIZ30	13R

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		00404	520HF	Cr 0.16	Ax 0.10	13S+ 6.9	SPEC-INT	13R
		00404	520HF	0.6 30	VOL	13S+ 6.9	SPEC-INT	13R
		00404	520HF	Cr 0.16	Ax 0.10	13S+ 14.6	SPEC-INT	13R
		00404	520HF	0.2 18	VOL	13S+ 14.6	SPEC-INT	13R
		00404	520HF	Cr 0.16	Ax 0.11	13S+ 32.5	SPEC-INT	13R
		00404	520HF	0.2 14	VOL	13S+ 32.5	SPEC-INT	13R
		00303	540HF	0.6 7	ID 23	13S+ 32.6	540-MIZ30	13R
151	9	00202	510UL	7.3 180	DNT	LTE+ 11.1	510-MIZ30	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
1	2	00140	510UL	0.2 107	NQI	10S- 0.6	510-MIZ30	13R
		00287	520HF	0.8 0	WAR 13	10S- 0.6	SPEC-INT	13R
1	7	00398	510UL	6.8 177	DNT	LTE+ 10.8	510-MIZ30	13R
		00398	510UL	0.4 68	NQI	07S- 0.8	510-MIZ30	13R
		00343	520HF	1.0 0	WAR 14	07S- 0.7	SPEC-INT	13R
		00295	540HF	0.3 92	NQI	07S- 0.7	540-MIZ30	13R
1	8	00140	510UL	4.6 174	DNT	LTE+ 11.2	510-MIZ30	13R
1	9	00138	510UL	3.0 168	DNT	LTE+ 11.4	510-MIZ30	13R
1	11	00164	510UL	0.5 8	ID 27	UTS+ 2.4	510-MIZ30	13R
		00353	520HF	0.0 0	NDF	UTS+ 2.4	SPEC-INT	13R
		00301	540HF	0.6 8	ID 27	UTS+ 2.8	540-MIZ30	13R
		00353	520HF	0.0 0	NDF	UTS+ 2.8	SPEC-INT	13R
2	11	00138	510UL	3.2 178	DNT	LTE+ 10.9	510-MIZ30	13R
2	27	00162	510UL	0.3 71	NQI	10S+ 0.8	510-MIZ30	13R
		00353	520HF	0.0 0	NDF	10S+ 0.8	SPEC-INT	13R
		00162	510UL	0.3 100	NQI	15S+ 45.2	510-MIZ30	13R
		00329	520HF	0.0 0	NDF	15S+ 45.2	SPEC-INT	13R
3	4	00138	510UL	0.3 92	NQI	LTE+ 19.6	510-MIZ30	13R
		00287	520HF	0.0 0	NDF	LTS -4.4	SPEC-INT	13R
3	16	00138	510UL	3.3 174	DNT	LTE+ 10.9	510-MIZ30	13R
3	17	00140	510UL	4.5 173	DNT	LTE+ 11.1	510-MIZ30	13R
3	20	00162	510UL	0.3 77	INR	LTE+ 16.5	510-MIZ30	13R
3	28	00164	510UL	0.1 113	INR	15S- 0.1	510-MIZ30	13R
3	31	00162	510UL	0.5 115	NQI	15S- 0.3	510-MIZ30	13R
		00329	520HF	0.0 0	NDF	15S- 0.3	SPEC-INT	13R
4	1	00140	510UL	3.0 172	DNT	LTE+ 10.6	510-MIZ30	13R
4	2	00138	510UL	2.6 177	DNT	LTE+ 10.6	510-MIZ30	13R
4	15	00140	510UL	0.5 79	NQI	09S+ 0.3	510-MIZ30	13R
		00287	520HF	1.3 0	WAR 20	09S+ 0.3	SPEC-INT	13R
4	40	00162	510UL	0.1 90	INR	01S- 0.1	510-MIZ30	13R
5	5	00140	510UL	2.6 170	DNT	LTE+ 10.6	510-MIZ30	13R
5	17	00140	510UL	0.5 75	NQI	09S+ 0.1	510-MIZ30	13R
		00287	520HF	1.4 0	WAR 19	09S+ 0.1	SPEC-INT	13R
5	37	00162	510UL	3.5 175	DNT	LTE+ 11.1	510-MIZ30	13R
6	**1**	00140	510UL	5.3 10	NQI	UTS+ 4.8	510-MIZ30	13R
		00287	520HF	0.0 0	NDF	UTS+ 4.8	SPEC-INT	13R
		00135	520HF	Cr 0.19	Ax 0.19	ETL- 0.7	KET12	13R
		00135	520HF	0.4 35	VOL	ETL- 0.7	KET12	13R
6	**4**	00139	520HF	Cr 0.28	Ax 0.19	ETL -2.4	KET12	13R
		00139	520HF	0.7 34	VOL	ETL -2.4	KET12	13R
		00420	520HF	0.7 26	PID	ETL -2.2	KET12	13R
		00287	520HF	1.0 24	VOL	ETL -2.2	SPEC-INT	13R
		00287	520HF	Cr 0.25	Ax 0.17	ETL -2.2	SPEC-INT	13R
		00287	520HF	0.0 0	NDF	ETL -1.6	SPEC-INT	13R
6	6	00138	510UL	2.7 176	DNT	LTE+ 10.8	510-MIZ30	13R
6	38	00162	510UL	0.2 72	INR	09S+ 0.4	510-MIZ30	13R
6	40	00162	510UL	2.7 175	DNT	LTE+ 10.6	510-MIZ30	13R
6	41	00299	540HF	0.2 2	INR	11S+ 11.7	540-MIZ30	13R
		00299	540HF	0.4 7	INR	13S+ 12.3	540-MIZ30	13R
7	16	00140	510UL	0.2 81	NQI	07S+ 0.4	510-MIZ30	13R

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		00287	520HF	1.0 0	WAR 17	07S+ 0.4	SPEC-INT	13R
7	23	00140	510UL	6.5 177	DNT	LTE+ 10.6	510-MIZ30	13R
7	24	00138	510UL	5.7 174	DNT	LTE+ 10.9	510-MIZ30	13R
7	39	00162	510UL	0.3 74	NQI	04S+ 0.7	510-MIZ30	13R
		00329	520HF	0.5 0	WAR 5	04S+ 0.7	SPEC-INT	13R
7	45	00164	510UL	0.3 100	NQI	09S+ 0.4	510-MIZ30	13R
		00329	520HF	0.4 0	WAR 6	09S+ 0.6	SPEC-INT	13R
7	54	00162	510UL	0.1 78	NQI	06S- 0.3	510-MIZ30	13R
		00329	520HF	0.8 0	WAR 10	06S- 0.2	SPEC-INT	13R
8	24	00138	510UL	6.3 176	DNT	LTE+ 11.1	510-MIZ30	13R
8	40	00164	510UL	1.0 72	INR	11S+ 7.1	510-MIZ30	13R
9	22	00295	540HF	0.3 3	INR	15S+ 22.4	540-MIZ30	13R
		00295	540HF	0.7 7	ID 23	15S+ 45.1	540-MIZ30	13R
		00287	520HF	0.0 0	NDF	UTS -1.3	SPEC-INT	13R
		00295	540HF	0.4 353	INR	UTS+ 5.6	540-MIZ30	13R
		00287	520HF	0.0 0	NDF	UTS+ 5.9	SPEC-INT	13R
9	*23*	*00287*	*520HF*	*0.5 0*	*LEN*	*15S -10.0*	*SPEC-INT*	*13R*
		00287	*520HF*	*0.4 31*	*SAI*	*15S -10.0*	*SPEC-INT*	*13R*
		00343	*520HF*	*0.7 37*	*PID*	*15S -10.0*	*SPEC-INT*	*13R*
		00138	*510UL*	*0.2 96*	*NQI*	*14S+ 25.1*	*510-MIZ30*	*13R*
		00138	*510UL*	*0.2 98*	*OD 25*	*14S+ 25.1*	*510-MIZ30*	*13R*
		00287	*520HF*	*0.3 0*	*LEN*	*15S -8.5*	*SPEC-INT*	*13R*
		00287	*520HF*	*0.4 26*	*SAI*	*15S -8.5*	*SPEC-INT*	*13R*
		00343	*520HF*	*0.5 31*	*PID*	*15S -8.5*	*SPEC-INT*	*13R*
		00138	*510UL*	*0.3 81*	*OD 49*	*14S+ 26.7*	*510-MIZ30*	*13R*
		00138	*510UL*	*0.3 81*	*NQI*	*14S+ 26.8*	*510-MIZ30*	*13R*
9	27	00138	510UL	9.6 174	DNT	LTE+ 10.9	510-MIZ30	13R
9	**45**	00147	520HF	Cr 0.15	Ax 0.18	ETL -1.0	KET12	13R
		00147	520HF	0.3 19	VOL	ETL -1.0	KET12	13R
9	47	00164	510UL	2.8 176	DNT	LTE+ 11.2	510-MIZ30	13R
		00164	510UL	0.2 59	NQI	09S+ 0.7	510-MIZ30	13R
		00329	520HF	1.0 0	WAR 13	09S+ 0.7	SPEC-INT	13R
9	62	00162	510UL	1.2 101	NQI	14S+ 33.0	510-MIZ30	13R
		00329	520HF	0.0 0	NDF	14S+ 33.0	SPEC-INT	13R
10	7	00146	510UL	0.2 108	NQI	11S+ 34.8	510-MIZ30	13R
		00287	520HF	0.0 0	NDF	12S -3.2	SPEC-INT	13R
10	21	00146	510UL	6.2 175	DNT	LTE+ 11.4	510-MIZ30	13R
10	22	00148	510UL	7.8 175	DNT	LTE+ 11.1	510-MIZ30	13R
10	27	00146	510UL	5.0 188	DNT	09S+ 21.2	510-MIZ30	13R
		00287	520HF	0.0 0	NDF	09S+ 21.2	SPEC-INT	13R
10	28	00146	510UL	6.6 177	DNT	LTE+ 10.6	510-MIZ30	13R
10	30	00398	510UL	6.6 176	DNT	LTE+ 10.7	510-MIZ30	13R
		00398	510UL	1.7 8	INR	09S+ 16.1	510-MIZ30	13R
		00295	540HF	1.8 3	INR	09S+ 16.3	540-MIZ30	13R
10	**40**	00203	520HF	0.7 15	VOL	ETL -1.6	KET22	13R
		00203	520HF	Cr 0.21	Ax 0.17	ETL -1.6	KET22	13R
10	47	00162	510UL	3.0 179	DNT	LTE+ 11.1	510-MIZ30	13R
11	3	00130	510UL	3.5 183	DNT	15S+ 5.6	510-MIZ30	13R
11	22	00146	510UL	5.0 176	DNT	LTE+ 11.1	510-MIZ30	13R
11	24	00148	510UL	6.5 174	DNT	LTE+ 11.2	510-MIZ30	13R

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11	30	00148	510UL	6.9 175	DNT	LTE+ 10.8	510-MIZ30	13R
11	31	00146	510UL	5.8 175	DNT	LTE+ 10.6	510-MIZ30	13R
11	38	00162	510UL	0.2 56	NQI	03S+ 0.4	510-MIZ30	13R
		00329	520HF	1.0 0	WAR 14	03S+ 0.4	SPEC-INT	13R
11	50	00162	510UL	2.9 174	DNT	LTE+ 10.8	510-MIZ30	13R
11	60	00162	510UL	0.3 115	INR	15S+ 0.2	510-MIZ30	13R
11	68	00232	510UL	0.7 97	NQI	14S+ 33.3	510-MIZ30	13R
		00329	520HF	0.0 0	NDF	14S+ 33.3	SPEC-INT	13R
12	7	00148	510UL	0.2 88	NQI	09S- 0.4	510-MIZ30	13R
		00287	520HF	0.0 0	NDF	09S- 0.4	SPEC-INT	13R
12	24	00146	510UL	5.4 177	DNT	LTE+ 11.2	510-MIZ30	13R
12	25	00148	510UL	5.4 173	DNT	LTE+ 11.6	510-MIZ30	13R
12	**46**	00400	540HF	1.0 6	ID 20	UTS+ 0.7	540-MIZ30	13R
		00422	520HF	0.0 0	PRA	UTS+ 0.7	SPEC-INT	13R
		00420	520HF	Cr 0.24	Ax 0.19	UTS+ 0.7	SPEC-INT	13R
		00420	520HF	1.2 24	VOL	UTS+ 0.7	SPEC-INT	13R
		00162	510UL	0.8 12	ID 40	UTS+ 0.8	510-MIZ30	13R
12	60	00164	510UL	0.4 77	NQI	09S+ 0.3	510-MIZ30	13R
		00329	520HF	0.9 0	WAR 12	09S+ 0.4	SPEC-INT	13R
12	61	00162	510UL	0.4 71	NQI	04S+ 0.8	510-MIZ30	13R
		00329	520HF	0.8 0	WAR 12	04S+ 0.8	SPEC-INT	13R
12	71	00232	510UL	0.2 70	INR	15S -1.5	510-MIZ30	13R
14	30	00146	510UL	0.2 74	NQI	06S+ 0.6	510-MIZ30	13R
		00287	520HF	1.0 0	WAR 13	06S+ 0.6	SPEC-INT	13R
14	32	00146	510UL	1.2 80	ADI	11S+ 34.4	510-MIZ30	13R
		00287	520HF	0.0 0	NDF	12S -3.6	SPEC-INT	13R
14	65	00327	520HF	0.7 0	WAR 11	09S+ 0.2	SPEC-INT	13R
		00162	510UL	0.1 71	NQI	09S+ 0.2	510-MIZ30	13R
15	20	00146	510UL	6.9 176	DNT	LTE+ 10.0	510-MIZ30	13R
15	21	00148	510UL	7.5 173	DNT	LTE+ 10.7	510-MIZ30	13R
15	58	00164	510UL	8.7 185	IDC	LTS+ 15.6	510-MIZ30	13R
		00400	540HF	7.7 182	IDC	LTS+ 15.6	540-MIZ30	13R
		00359	520HF	0.0 0	NDF	LTS+ 15.6	SPEC-INT	13R
		00164	510UL	8.1 184	IDC	01S+ 1.1	510-MIZ30	13R
		00400	540HF	5.0 184	IDC	01S+ 1.1	540-MIZ30	13R
		00359	520HF	0.0 0	NDF	01S+ 1.1	SPEC-INT	13R
16	11	00146	510UL	1.3 6	ID 20	15S+ 28.0	510-MIZ30	13R
		00303	540HF	1.3 5	INR	15S+ 28.3	540-MIZ30	13R
16	21	00146	510UL	6.2 177	DNT	LTE+ 9.5	510-MIZ30	13R
16	23	00298	510UL	7.1 172	DNT	LTE+ 10.6	510-MIZ30	13R
16	43	00164	510UL	0.5 75	NQI	04S+ 0.7	510-MIZ30	13R
		00327	520HF	0.8 0	WAR 13	04S+ 0.7	SPEC-INT	13R
16	55	00164	510UL	1.3 78	INR	LTS+ 28.4	510-MIZ30	13R
16	66	00172	510UL	0.2 108	NQI	10S- 0.5	510-MIZ30	13R
		00327	520HF	0.7 0	WAR 11	10S- 0.4	SPEC-INT	13R
16	77	00234	510UL	0.2 79	NQI	LTE+ 10.5	510-MIZ30	13R
		00410	520HF	0.0 0	NDF	LTS -13.5	SPEC-INT	13R
17	2	00132	510UL	6.9 175	DNT	LTE+ 11.3	510-MIZ30	13R
17	3	00130	510UL	5.9 175	DNT	LTE+ 11.2	510-MIZ30	13R
17	22	00146	510UL	5.6 176	DNT	LTE+ 10.3	510-MIZ30	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
17	23	00148	510UL	5.8 173	DNT	LTE+ 10.3	510-MIZ30	13R
17	73	00170	510UL	5.2 174	DNT	15S+ 24.2	510-MIZ30	13R
		00327	520HF	0.0 0	NDF	15S+ 24.2	SPEC-INT	13R
18	3	00132	510UL	5.9 175	DNT	LTE+ 11.3	510-MIZ30	13R
18	5	00132	510UL	6.8 174	DNT	LTE+ 11.3	510-MIZ30	13R
		00132	510UL	0.9 77	INR	02S+ 20.7	510-MIZ30	13R
18	42	00148	510UL	0.2 104	INR	LTE+ 21.7	510-MIZ30	13R
18	46	00299	540HF	0.6 0	INR	15S+ 35.2	540-MIZ30	13R
18	53	00172	510UL	0.2 89	NQI	04S+ 0.7	510-MIZ30	13R
		00327	520HF	0.6 0	WAR 10	04S+ 0.7	SPEC-INT	13R
19	4	00130	510UL	4.6 175	DNT	LTE+ 11.2	510-MIZ30	13R
		00130	510UL	0.5 54	INR	LTE+ 22.0	510-MIZ30	13R
		00130	510UL	0.8 48	INR	LTE+ 22.4	510-MIZ30	13R
19	5	00132	510UL	5.9 174	DNT	LTE+ 11.3	510-MIZ30	13R
19	8	00130	510UL	5.0 176	DNT	LTE+ 10.4	510-MIZ30	13R
19	9	00132	510UL	4.7 173	DNT	LTE+ 10.8	510-MIZ30	13R
19	28	00303	540HF	0.7 4	INR	01S+ 32.0	540-MIZ30	13R
		00146	510UL	0.6 6	ID 20	01S+ 32.2	510-MIZ30	13R
19	30	00146	510UL	0.1 74	NQI	LTS+ 9.2	510-MIZ30	13R
		00287	520HF	0.0 0	NDF	LTS+ 9.2	SPEC-INT	13R
19	44	00295	540HF	0.8 6	INR	15S+ 41.6	540-MIZ30	13R
19	53	00170	510UL	1.1 93	INR	07S+ 12.1	510-MIZ30	13R
19	73	00170	510UL	0.1 78	INR	06S+ 31.7	510-MIZ30	13R
20	9	00132	510UL	5.8 173	DNT	LTE+ 10.9	510-MIZ30	13R
20	11	00132	510UL	5.4 173	DNT	LTE+ 10.8	510-MIZ30	13R
20	23	00146	510UL	0.6 95	INR	15S+ 0.0	510-MIZ30	13R
20	24	00146	510UL	1.0 8	ID 27	09S+ 31.1	510-MIZ30	13R
		00303	540HF	1.1 5	ID 17	09S+ 31.1	540-MIZ30	13R
		00343	520HF	0.0 0	NDF	09S+ 31.1	SPEC-INT	13R
20	59	00172	510UL	0.2 51	INR	15S- 0.8	510-MIZ30	13R
21	1	00132	510UL	7.6 175	DNT	LTE+ 11.3	510-MIZ30	13R
21	3	00130	510UL	0.2 112	INR	04S+ 2.6	510-MIZ30	13R
21	8	00295	540HF	1.0 5	INR	05S+ 13.2	540-MIZ30	13R
21	10	00130	510UL	5.1 176	DNT	LTE+ 10.2	510-MIZ30	13R
21	11	00132	510UL	5.5 171	DNT	LTE+ 10.7	510-MIZ30	13R
21	15	00156	510UL	1.2 77	ADI	13S+ 21.3	510-MIZ30	13R
		00335	520HF	0.0 0	NDF	13S+ 21.3	SPEC-INT	13R
21	34	00154	510UL	0.2 100	INR	15S+ 0.3	510-MIZ30	13R
21	**37**	00127	520HF	0.7 27	VOL	ETL- 0.0	KET12	13R
		00127	520HF	Cr 0.39	Ax 0.18	ETL- 0.0	KET12	13R
21	39	00156	510UL	3.0 176	DNT	08S+ 5.2	510-MIZ30	13R
22	1	00132	510UL	6.4 175	DNT	LTE+ 11.0	510-MIZ30	13R
22	3	00132	510UL	5.9 178	DNT	LTE+ 10.9	510-MIZ30	13R
22	**22**	00156	510UL	0.3 12	BVC	UTS+ 2.5	510-MIZ30	13R
		00287	520HF	0.8 23	VOL	UTS+ 2.7	SPEC-INT	13R
		00287	520HF	Cr 0.20	Ax 0.15	UTS+ 2.7	SPEC-INT	13R
		00295	540HF	0.4 7	ID 23	UTS+ 3.1	540-MIZ30	13R
23	2	00130	510UL	4.5 173	DNT	LTE+ 11.2	510-MIZ30	13R
23	13	00295	540HF	0.6 2	INR	13S -1.0	540-MIZ30	13R
23	67	00170	510UL	0.4 83	NQI	LTE+ 13.1	510-MIZ30	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00327	520HF	0.0 0	NDF	LTS -10.9	SPEC-INT	13R
23	89	00353	520HF	2.2 91	WAR 22	09S+ 0.3	SPEC-INT	13R
		00226	510UL	0.2 72	NQI	09S+ 0.3	510-MIZ30	13R
		00353	520HF	0.6 95	WAR 6	09S+ 0.6	SPEC-INT	13R
24	10	00132	510UL	1.5 73	INR	01S+ 28.5	510-MIZ30	13R
24	17	00156	510UL	1.5 83	ADI	15S+ 6.1	510-MIZ30	13R
		00335	520HF	0.0 0	NDF	15S+ 6.1	SPEC-INT	13R
24	19	00156	510UL	1.1 93	INR	10S+ 5.9	510-MIZ30	13R
24	27	00156	510UL	1.4 81	ADI	07S+ 30.3	510-MIZ30	13R
		00335	520HF	0.0 0	NDF	07S+ 30.3	SPEC-INT	13R
24	69	00170	510UL	5.6 181	DNT	06S+ 36.8	510-MIZ30	13R
		00327	520HF	0.0 0	NDF	06S+ 36.8	SPEC-INT	13R
24	89	00224	510UL	0.2 86	NQI	07S- 0.5	510-MIZ30	13R
		00410	520HF	0.0 0	NDF	07S- 0.5	SPEC-INT	13R
25	5	00132	510UL	4.7 173	DNT	LTE+ 10.8	510-MIZ30	13R
25	9	00132	510UL	6.3 175	DNT	LTE+ 9.6	510-MIZ30	13R
25	10	00130	510UL	6.5 178	DNT	LTE+ 10.0	510-MIZ30	13R
25	25	00156	510UL	0.2 25	INR	11S- 0.2	510-MIZ30	13R
25	93	00226	510UL	0.2 64	NQI	09S- 0.4	510-MIZ30	13R
		00353	520HF	1.4 111	WAR 15	09S- 0.3	SPEC-INT	13R
		00226	510UL	0.3 78	NQI	09S+ 0.4	510-MIZ30	13R
		00353	520HF	0.5 71	WAR 12	09S+ 0.4	SPEC-INT	13R
26	4	00130	510UL	3.0 172	DNT	LTE+ 10.7	510-MIZ30	13R
26	9	00130	510UL	4.6 174	DNT	LTE+ 9.8	510-MIZ30	13R
26	**11**	00130	510UL	7.0 176	DNT	LTE+ 10.0	510-MIZ30	13R
		00117	520HF	0.6 24	VOL	ETL -2.2	KET06	13R
		00117	520HF	Cr 0.29	Ax 0.24	ETL -2.2	KET06	13R
26	31	00156	510UL	0.2 89	NQI	07S+ 17.1	510-MIZ30	13R
		00335	520HF	0.0 0	NDF	07S+ 17.1	SPEC-INT	13R
26	32	00154	510UL	0.1 82	NQI	03S+ 12.9	510-MIZ30	13R
		00287	520HF	0.0 0	NDF	03S+ 12.9	SPEC-INT	13R
26	47	00156	510UL	2.5 164	DNT	LTE+ 6.3	510-MIZ30	13R
26	60	00170	510UL	0.2 104	INR	15S+ 0.6	510-MIZ30	13R
26	94	00226	510UL	2.4 166	INR	07S+ 20.9	510-MIZ30	13R
		00226	510UL	3.3 126	INR	07S+ 21.4	510-MIZ30	13R
27	5	00130	510UL	0.3 92	NQI	10S+ 3.4	510-MIZ30	13R
		00287	520HF	0.0 0	NDF	10S+ 3.4	SPEC-INT	13R
27	10	00132	510UL	5.2 173	DNT	LTE+ 9.9	510-MIZ30	13R
27	11	00130	510UL	4.6 173	DNT	LTE+ 10.1	510-MIZ30	13R
		00130	510UL	2.7 176	DNT	02S+ 16.7	510-MIZ30	13R
27	35	00156	510UL	0.3 70	NQI	08S+ 0.7	510-MIZ30	13R
		00335	520HF	1.4 72	WAR 16	08S+ 0.8	SPEC-INT	13R
27	48	00156	510UL	3.1 179	DNT	04S+ 25.5	510-MIZ30	13R
		00156	510UL	0.1 108	NQI	15S+ 2.1	510-MIZ30	13R
		00335	520HF	0.0 0	NDF	15S+ 2.1	SPEC-INT	13R
		00156	510UL	0.2 94	NQI	15S+ 2.5	510-MIZ30	13R
		00335	520HF	0.0 0	NDF	15S+ 2.5	SPEC-INT	13R
27	63	00172	510UL	2.7 172	DNT	LTE+ 9.6	510-MIZ30	13R
27	88	00224	510UL	0.3 72	NQI	07S- 0.2	510-MIZ30	13R
		00410	520HF	0.7 0	WAR 12	07S- 0.2	SPEC-INT	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
27	94	00224	510UL	1.9 102	INR	07S+ 22.6	510-MIZ30	13R
27	99	00226	510UL	0.2 78	INR	11S- 0.8	510-MIZ30	13R
28	1	00132	510UL	2.7 86	INR	02S+ 5.0	510-MIZ30	13R
28	4	00130	510UL	4.5 175	DNT	LTE+ 10.9	510-MIZ30	13R
		00130	510UL	1.6 104	INR	05S+ 26.4	510-MIZ30	13R
28	5	00132	510UL	5.5 176	DNT	LTE+ 10.8	510-MIZ30	13R
		00287	520HF	0.6 0	WAR 7	10S+ 0.5	SPEC-INT	13R
		00132	510UL	0.2 75	NQI	10S+ 4.6	510-MIZ30	13R
		00287	520HF	0.0 0	NDF	10S+ 4.6	SPEC-INT	13R
28	6	00130	510UL	1.1 87	INR	14S+ 14.5	510-MIZ30	13R
		00130	510UL	0.6 113	INR	14S+ 19.8	510-MIZ30	13R
28	7	00132	510UL	1.0 57	INR	12S+ 17.3	510-MIZ30	13R
28	22	00156	510UL	2.1 97	INR	03S+ 24.9	510-MIZ30	13R
28	41	00154	510UL	0.2 101	INR	LTS+ 1.8	510-MIZ30	13R
28	42	00156	510UL	0.4 54	NQI	LTS+ 1.6	510-MIZ30	13R
		00335	520HF	0.0 0	NDF	LTS+ 1.6	SPEC-INT	13R
28	48	00156	510UL	0.2 93	NQI	15S+ 2.1	510-MIZ30	13R
		00335	520HF	0.0 0	NDF	15S+ 2.1	SPEC-INT	13R
		00156	510UL	0.3 125	INR	15S+ 2.5	510-MIZ30	13R
28	66	00172	510UL	0.4 35	NQI	14S+ 2.7	510-MIZ30	13R
		00327	520HF	0.0 0	NDF	14S+ 2.7	SPEC-INT	13R
		00172	510UL	3.7 178	DNT	14S+ 4.3	510-MIZ30	13R
28	67	00170	510UL	2.5 173	DNT	LTE+ 9.2	510-MIZ30	13R
28	95	00226	510UL	3.1 181	DNT	12S+ 15.1	510-MIZ30	13R
29	5	00130	510UL	5.1 176	DNT	LTE+ 10.5	510-MIZ30	13R
29	7	00132	510UL	6.9 178	DNT	LTE+ 10.8	510-MIZ30	13R
29	22	00156	510UL	2.0 84	ADI	01S+ 26.5	510-MIZ30	13R
		00335	520HF	0.0 0	NDF	01S+ 26.5	SPEC-INT	13R
29	42	00156	510UL	0.2 77	NQI	15S+ 4.4	510-MIZ30	13R
		00335	520HF	0.0 0	NDF	15S+ 4.4	SPEC-INT	13R
29	96	00224	510UL	1.8 134	INR	06S+ 12.3	510-MIZ30	13R
		00224	510UL	2.6 183	DNT	08S+ 31.9	510-MIZ30	13R
30	6	00130	510UL	5.3 175	DNT	LTE+ 10.6	510-MIZ30	13R
		00130	510UL	2.4 106	INR	02S+ 34.6	510-MIZ30	13R
		00130	510UL	0.2 111	INR	10S+ 3.1	510-MIZ30	13R
30	7	00132	510UL	6.7 177	DNT	LTE+ 10.6	510-MIZ30	13R
30	**13**	00287	520HF	0.9 28	VOL	UTS -1.3	SPEC-INT	13R
		00287	520HF	Cr 0.20	Ax 0.17	UTS -1.3	SPEC-INT	13R
		00295	540HF	1.2 4	BNR	UTS -1.2	540-MIZ30	13R
30	24	00156	510UL	0.8 96	INR	01S+ 11.0	510-MIZ30	13R
		00156	510UL	1.0 92	INR	05S+ 18.1	510-MIZ30	13R
30	**71**	00327	520HF	0.0 0	PRA	15S+ 31.6	SPEC-INT	13R
		00299	540HF	0.9 2	INR	15S+ 32.0	540-MIZ30	13R
		00327	520HF	0.0 0	PRA	15S+ 32.1	SPEC-INT	13R
		00299	540HF	0.6 5	ID 17	15S+ 32.4	540-MIZ30	13R
		00275	520HF	0.4 8	VOL	UTS -14.5	SPEC-INT	13R
		00275	520HF	Cr 0.20	Ax 0.17	UTS -14.5	SPEC-INT	13R
		00275	520HF	0.5 14	VOL	UTS -14.0	SPEC-INT	13R
		00275	520HF	Cr 0.20	Ax 0.24	UTS -14.0	SPEC-INT	13R
30	90	00224	510UL	0.2 75	NQI	07S- 0.4	510-MIZ30	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00410	520HF	0.5 0	WAR 9	07S- 0.4	SPEC-INT	13R
30	102	00224	510UL	0.3 82	NQI	08S- 0.7	510-MIZ30	13R
		00410	520HF	0.0 0	NDF	08S- 0.7	SPEC-INT	13R
31	91	00299	540HF	1.1 184	INR	15S+ 44.6	540-MIZ30	13R
31	103	00299	540HF	0.3 112	NQI	12S- 0.7	540-MIZ30	13R
		00353	520HF	1.6 91	WAR 17	12S- 0.7	SPEC-INT	13R
		00353	520HF	2.0 91	WAR 20	14S+ 0.6	SPEC-INT	13R
		00299	540HF	0.4 75	NQI	14S+ 0.6	540-MIZ30	13R
32	26	00154	510UL	1.1 186	INR	LTS+ 34.2	510-MIZ30	13R
32	29	00156	510UL	6.8 175	DNT	LTE+ 11.1	510-MIZ30	13R
32	30	00154	510UL	6.3 172	DNT	LTE+ 11.1	510-MIZ30	13R
32	56	00170	510UL	2.7 179	DNT	15S+ 24.1	510-MIZ30	13R
32	77	00172	510UL	0.2 89	NQI	15S- 0.6	510-MIZ30	13R
		00327	520HF	0.0 0	NDF	15S- 0.6	SPEC-INT	13R
32	82	00170	510UL	0.2 76	NQI	11S+ 19.9	510-MIZ30	13R
		00327	520HF	0.0 0	NDF	11S+ 19.9	SPEC-INT	13R
32	99	00368	510UL	0.1 94	NQI	04S- 0.3	510-MIZ30	13R
		00410	520HF	0.0 0	NDF	04S- 0.3	SPEC-INT	13R
33	4	00132	510UL	0.2 107	INR	10S+ 0.5	510-MIZ30	13R
33	18	00132	510UL	7.0 176	DNT	LTE+ 10.7	510-MIZ30	13R
		00132	510UL	0.2 112	INR	15S+ 2.2	510-MIZ30	13R
33	19	00130	510UL	5.2 174	DNT	LTE+ 11.0	510-MIZ30	13R
		00130	510UL	0.2 94	NQI	15S+ 2.2	510-MIZ30	13R
		00287	520HF	0.0 0	NDF	15S+ 2.2	SPEC-INT	13R
33	29	00154	510UL	5.4 171	DNT	LTE+ 11.2	510-MIZ30	13R
33	31	00154	510UL	6.5 177	DNT	LTE+ 11.0	510-MIZ30	13R
33	58	00327	520HF	0.9 0	WAR 14	04S+ 0.8	SPEC-INT	13R
		00170	510UL	0.5 61	NQI	04S+ 0.8	510-MIZ30	13R
33	105	00224	510UL	0.4 98	NQI	11S- 0.8	510-MIZ30	13R
		00353	520HF	0.4 45	WAR 9	11S- 0.6	SPEC-INT	13R
33	107	00353	520HF	1.5 100	WAR 16	11S- 0.9	SPEC-INT	13R
		00368	510UL	0.4 78	NQI	11S- 0.8	510-MIZ30	13R
34	1	00132	510UL	2.6 186	DNT	02S+ 29.6	510-MIZ30	13R
34	**9**	00083	520HF	Cr 0.15	Ax 0.12	ETL- 0.5	KET12	13R
		00083	520HF	0.1 24	VOL	ETL- 0.5	KET12	13R
34	17	00132	510UL	0.6 43	INR	03S+ 35.1	510-MIZ30	13R
		00132	510UL	0.9 44	INR	08S+ 21.8	510-MIZ30	13R
		00132	510UL	1.0 43	INR	13S+ 13.3	510-MIZ30	13R
34	18	00130	510UL	5.7 175	DNT	LTE+ 10.6	510-MIZ30	13R
34	20	00130	510UL	6.3 173	DNT	LTE+ 11.0	510-MIZ30	13R
34	26	00154	510UL	0.9 127	INR	LTS+ 23.6	510-MIZ30	13R
34	29	00156	510UL	5.4 173	DNT	LTE+ 11.1	510-MIZ30	13R
		00156	510UL	4.1 186	DNT	02S+ 0.7	510-MIZ30	13R
		00335	520HF	0.0 0	NDF	02S+ 0.7	SPEC-INT	13R
		00156	510UL	0.9 77	ADI	06S+ 9.6	510-MIZ30	13R
		00335	520HF	0.0 0	NDF	06S+ 9.6	SPEC-INT	13R
34	30	00154	510UL	5.7 177	DNT	LTE+ 10.4	510-MIZ30	13R
34	32	00154	510UL	3.5 90	ADI	04S+ 30.9	510-MIZ30	13R
		00287	520HF	0.0 0	NDF	05S -8.1	SPEC-INT	13R
34	87	00299	540HF	0.5 4	INR	15S+ 20.3	540-MIZ30	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00299	540HF	0.4 2	INR	15S+ 23.5	540-MIZ30	13R
34	104	00224	510UL	0.2 113	NQI	08S+ 0.6	510-MIZ30	13R
		00410	520HF	0.7 0	WAR 12	08S+ 0.6	SPEC-INT	13R
34	106	00368	510UL	0.2 96	NQI	11S- 0.8	510-MIZ30	13R
		00353	520HF	0.4 78	WAR 9	11S- 0.6	SPEC-INT	13R
35	19	00130	510UL	6.1 179	DNT	LTE+ 10.9	510-MIZ30	13R
		00287	520HF	0.9 86	SSA	15S+ 1.1	SPEC-INT	13R
		00130	510UL	0.2 104	INR	15S+ 2.3	510-MIZ30	13R
35	105	00216	510UL	0.3 97	NQI	11S- 0.8	510-MIZ30	13R
		00327	520HF	0.0 0	NDF	11S- 0.8	SPEC-INT	13R
35	106	00216	510UL	0.3 99	NQI	11S- 0.7	510-MIZ30	13R
		00327	520HF	0.0 0	NDF	11S- 0.7	SPEC-INT	13R
36	1	00132	510UL	0.3 83	NQI	10S- 0.9	510-MIZ30	13R
		00287	520HF	0.7 0	WAR 9	10S- 0.7	SPEC-INT	13R
36	43	00154	510UL	2.5 179	DNT	07S+ 5.6	510-MIZ30	13R
36	65	00176	510UL	3.6 173	DNT	LTE+ 10.8	510-MIZ30	13R
36	66	00176	510UL	3.0 173	DNT	LTE+ 10.7	510-MIZ30	13R
36	71	00299	540HF	0.6 3	INR	10S+ 15.5	540-MIZ30	13R
		00299	540HF	0.5 7	INR	13S+ 2.5	540-MIZ30	13R
36	109	00216	510UL	0.2 67	NQI	LTE+ 15.1	510-MIZ30	13R
		00327	520HF	0.0 0	NDF	LTS -8.9	SPEC-INT	13R
36	111	00216	510UL	0.7 85	NQI	11S- 0.7	510-MIZ30	13R
		00327	520HF	1.1 0	WAR 17	11S- 0.7	SPEC-INT	13R
		00327	520HF	1.6 70	WAR 23	11S+ 0.6	SPEC-INT	13R
		00216	510UL	0.4 83	NQI	12S- 0.8	510-MIZ30	13R
		00327	520HF	1.9 0	WAR 26	12S- 0.7	SPEC-INT	13R
37	27	00156	510UL	0.4 34	NQI	LTS+ 22.9	510-MIZ30	13R
		00335	520HF	0.0 0	NDF	LTS+ 22.9	SPEC-INT	13R
37	91	00400	540HF	0.9 4	INR	15S+ 32.5	540-MIZ30	13R
		00216	510UL	0.7 11	ID 37	15S+ 32.8	510-MIZ30	13R
37	106	00218	510UL	0.3 100	NQI	11S- 0.8	510-MIZ30	13R
		00327	520HF	0.4 0	WAR 6	11S- 0.7	SPEC-INT	13R
37	110	00218	510UL	0.2 91	NQI	11S- 0.9	510-MIZ30	13R
		00327	520HF	0.5 0	WAR 7	11S- 0.7	SPEC-INT	13R
37	111	00368	510UL	0.7 69	NQI	11S- 0.8	510-MIZ30	13R
		00353	520HF	1.3 62	WAR 25	11S- 0.6	SPEC-INT	13R
		00368	510UL	0.4 79	NQI	13S+ 0.6	510-MIZ30	13R
		00353	520HF	0.8 76	WAR 17	13S+ 0.6	SPEC-INT	13R
37	112	00368	510UL	2.7 183	DNT	05S+ 13.2	510-MIZ30	13R
		00368	510UL	0.3 67	NQI	11S- 0.8	510-MIZ30	13R
		00353	520HF	0.0 0	NDF	11S- 0.8	SPEC-INT	13R
38	7	00088	510UL	0.4 40	NQI	LTE+ 10.6	510-MIZ30	13R
		00287	520HF	0.0 0	NDF	LTS -13.4	SPEC-INT	13R
38	9	00090	510UL	6.6 175	DNT	LTE+ 9.4	510-MIZ30	13R
38	11	00090	510UL	0.3 95	NQI	09S- 0.5	510-MIZ30	13R
		00287	520HF	0.9 0	WAR 15	09S- 0.4	SPEC-INT	13R
38	60	00360	510UL	0.6 60	NQI	07S+ 0.7	510-MIZ30	13R
		00410	520HF	0.7 0	WAR 12	07S+ 0.8	SPEC-INT	13R
38	61	00180	510UL	0.3 46	NQI	06S- 0.5	510-MIZ30	13R
		00327	520HF	0.0 0	NDF	06S- 0.5	SPEC-INT	13R

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38	**72**	00176	510UL	0.3	7	BVC	06S+ 18.6	510-MIZ30	13R
		00299	540HF	0.2	15	INR	06S+ 18.6	540-MIZ30	13R
		00176	510UL	0.3	9	BVC	06S+ 30.7	510-MIZ30	13R
		00299	540HF	0.3	2	INR	06S+ 30.7	540-MIZ30	13R
		00176	510UL	0.2	11	BVC	07S+ 0.0	510-MIZ30	13R
		00299	540HF	0.2	11	INR	07S+ 0.1	540-MIZ30	13R
		00176	510UL	0.3	6	BVC	10S+ 3.3	510-MIZ30	13R
		00299	540HF	0.3	0	INR	10S+ 3.3	540-MIZ30	13R
		00299	540HF	0.4	8	INR	12S+ 7.3	540-MIZ30	13R
		00176	510UL	0.2	16	BVC	12S+ 7.4	510-MIZ30	13R
		00176	510UL	0.3	6	BVC	12S+ 12.2	510-MIZ30	13R
		00299	540HF	0.2	7	INR	12S+ 12.3	540-MIZ30	13R
		00299	540HF	0.3	4	INR	12S+ 18.5	540-MIZ30	13R
		00176	510UL	0.3	7	BVC	12S+ 18.5	510-MIZ30	13R
		00275	520HF	0.2	8	VOL	13S -1.2	SPEC-INT	13R
		00275	520HF	Cr 0.14		Ax 0.19	13S -1.2	SPEC-INT	13R
		00176	510UL	0.3	7	BVC	12S+ 28.0	510-MIZ30	13R
		00299	540HF	0.3	6	INR	12S+ 28.1	540-MIZ30	13R
		00176	510UL	0.5	6	ID 20	12S+ 35.8	510-MIZ30	13R
		00299	540HF	0.4	2	INR	12S+ 35.9	540-MIZ30	13R
		00327	520HF	0.0	0	PRA	13S+ 17.3	SPEC-INT	13R
		00176	510UL	0.3	11	BVC	13S+ 17.7	510-MIZ30	13R
		00299	540HF	0.3	15	BVC	13S+ 17.8	540-MIZ30	13R
		00275	520HF	Cr 0.14		Ax 0.19	13S+ 18.1	SPEC-INT	13R
		00275	520HF	0.3	14	VOL	13S+ 18.1	SPEC-INT	13R
		00299	540HF	1.4	4	INR	UTS- 0.1	540-MIZ30	13R
38	109	00299	540HF	0.4	11	INR	LTS+ 29.0	540-MIZ30	13R
38	112	00232	510UL	0.7	88	NQI	11S- 0.9	510-MIZ30	13R
		00327	520HF	1.5	0	WAR 19	11S- 0.7	SPEC-INT	13R
		00327	520HF	0.8	0	WAR 13	11S+ 0.5	SPEC-INT	13R
38	114	00234	510UL	0.3	86	NQI	11S- 0.9	510-MIZ30	13R
		00327	520HF	0.6	0	WAR 10	11S- 0.7	SPEC-INT	13R
39	8	00082	510UL	6.0	175	DNT	LTE+ 9.7	510-MIZ30	13R
39	10	00082	510UL	7.2	177	DNT	LTE+ 9.7	510-MIZ30	13R
39	61	00176	510UL	7.1	177	DNT	LTS- 0.2	510-MIZ30	13R
39	62	00180	510UL	17.2	176	DNT	LTS- 0.1	510-MIZ30	13R
		00327	520HF	0.0	0	NDF	LTS- 0.1	SPEC-INT	13R
39	63	00176	510UL	5.2	178	DNT	LTS- 0.3	510-MIZ30	13R
39	82	00180	510UL	6.7	174	DNT	LTS- 0.1	510-MIZ30	13R
39	83	00176	510UL	16.7	172	DNT	LTS- 0.1	510-MIZ30	13R
		00327	520HF	0.0	0	NDF	LTS- 0.1	SPEC-INT	13R
39	84	00180	510UL	3.8	167	DNT	LTS- 0.1	510-MIZ30	13R
39	107	00299	540HF	0.4	3	INR	03S+ 37.3	540-MIZ30	13R
39	111	00242	510UL	1.0	80	INR	12S+ 21.3	510-MIZ30	13R
39	115	00242	510UL	0.5	86	NQI	11S- 0.8	510-MIZ30	13R
		00353	520HF	0.7	46	WAR 15	11S- 0.6	SPEC-INT	13R
		00353	520HF	0.3	58	WAR 8	11S+ 0.7	SPEC-INT	13R
		00242	510UL	0.2	120	NQI	12S- 0.8	510-MIZ30	13R
		00353	520HF	1.8	86	WAR 18	12S- 0.8	SPEC-INT	13R
40	9	00082	510UL	6.9	177	DNT	LTE+ 9.6	510-MIZ30	13R

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40	10	00080	510UL	6.2 177	DNT	LTE+ 9.8	510-MIZ30	13R
40	30	00106	510UL	0.8 6	ID 20	14S+ 14.4	510-MIZ30	13R
		00303	540HF	1.0 3	INR	14S+ 14.4	540-MIZ30	13R
40	59	00108	510UL	1.8 87	ADI	12S+ 9.7	510-MIZ30	13R
		00287	520HF	0.0 0	NDF	12S+ 9.7	SPEC-INT	13R
40	60	00180	510UL	9.2 177	DNT	LTS+ 0.0	510-MIZ30	13R
		00180	510UL	0.1 37	INR	06S- 0.0	510-MIZ30	13R
40	61	00180	510UL	22.4 172	DNT	LTS- 0.0	510-MIZ30	13R
		00327	520HF	0.0 0	NDF	LTS- 0.0	SPEC-INT	13R
40	62	00176	510UL	24.9 172	DNT	LTS- 0.0	510-MIZ30	13R
		00327	520HF	0.0 0	NDF	LTS- 0.0	SPEC-INT	13R
40	63	00180	510UL	18.9 176	DNT	LTS- 0.1	510-MIZ30	13R
		00327	520HF	0.0 0	NDF	LTS- 0.1	SPEC-INT	13R
40	82	00176	510UL	3.2 182	DNT	LTS- 0.2	510-MIZ30	13R
40	83	00180	510UL	19.5 175	DNT	LTS- 0.1	510-MIZ30	13R
		00327	520HF	0.0 0	NDF	LTS- 0.1	SPEC-INT	13R
40	84	00176	510UL	14.1 173	DNT	LTS- 0.6	510-MIZ30	13R
		00176	510UL	0.9 78	INR	14S+ 10.6	510-MIZ30	13R
40	88	00176	510UL	0.4 96	NQI	13S+ 15.8	510-MIZ30	13R
		00327	520HF	0.0 0	NDF	13S+ 15.8	SPEC-INT	13R
40	91	00299	540HF	0.8 4	INR	12S+ 14.9	540-MIZ30	13R
		00299	540HF	1.0 5	INR	12S+ 15.5	540-MIZ30	13R
		00299	540HF	1.0 5	INR	12S+ 18.1	540-MIZ30	13R
		00299	540HF	1.1 6	INR	12S+ 18.8	540-MIZ30	13R
41	38	00295	540HF	0.3 17	INR	03S+ 25.4	540-MIZ30	13R
		00295	540HF	0.9 3	INR	04S+ 19.4	540-MIZ30	13R
41	46	00108	510UL	0.2 235	INR	14S- 0.5	510-MIZ30	13R
41	59	00106	510UL	9.3 174	DNT	LTS- 0.2	510-MIZ30	13R
41	60	00180	510UL	17.8 171	DNT	LTS- 0.1	510-MIZ30	13R
		00327	520HF	0.0 0	NDF	LTS- 0.1	SPEC-INT	13R
41	61	00176	510UL	26.8 172	DNT	LTS- 0.0	510-MIZ30	13R
		00327	520HF	0.0 0	NDF	LTS- 0.0	SPEC-INT	13R
41	62	00180	510UL	25.6 169	DNT	LTS+ 0.0	510-MIZ30	13R
		00327	520HF	0.0 0	NDF	LTS+ 0.0	SPEC-INT	13R
41	63	00176	510UL	6.1 175	DNT	LTS- 0.3	510-MIZ30	13R
41	81	00180	510UL	0.2 93	NQI	09S+ 9.2	510-MIZ30	13R
		00327	520HF	0.0 0	NDF	09S+ 9.2	SPEC-INT	13R
41	82	00180	510UL	3.7 180	DNT	LTS- 0.2	510-MIZ30	13R
41	83	00180	510UL	4.8 187	DNT	LTS- 0.2	510-MIZ30	13R
41	84	00180	510UL	3.1 189	DNT	LTS- 0.3	510-MIZ30	13R
41	91	00242	510UL	0.5 78	ADI	LTS+ 29.9	510-MIZ30	13R
		00410	520HF	0.0 0	NDF	LTS+ 29.9	SPEC-INT	13R
42	13	00080	510UL	1.4 78	ADI	05S+ 17.2	510-MIZ30	13R
		00343	520HF	0.0 0	NDF	05S+ 17.2	SPEC-INT	13R
		00080	510UL	2.4 89	ADI	05S+ 31.6	510-MIZ30	13R
		00343	520HF	0.0 0	NDF	05S+ 31.6	SPEC-INT	13R
42	45	00108	510UL	0.4 95	INR	LTE+ 5.5	510-MIZ30	13R
42	56	00106	510UL	0.3 88	ADI	10S+ 26.9	510-MIZ30	13R
		00335	520HF	0.0 0	NDF	10S+ 26.9	SPEC-INT	13R
42	58	00106	510UL	2.5 168	DNT	LTS- 0.1	510-MIZ30	13R

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42	59	00108	510UL	16.8 170	DNT	LTS- 0.1	510-MIZ30	13R
		00287	520HF	0.0 0	NDF	LTS- 0.1	SPEC-INT	13R
42	60	00186	510UL	32.5 174	DNT	LTS+ 0.0	510-MIZ30	13R
		00327	520HF	0.0 0	NDF	LTS+ 0.0	SPEC-INT	13R
42	61	00186	510UL	42.3 173	DNT	LTS- 0.1	510-MIZ30	13R
		00327	520HF	0.0 0	NDF	LTS- 0.1	SPEC-INT	13R
42	62	00188	510UL	24.0 172	DNT	LTS+ 0.0	510-MIZ30	13R
		00327	520HF	0.0 0	NDF	LTS+ 0.0	SPEC-INT	13R
42	63	00186	510UL	3.1 178	DNT	LTS- 0.1	510-MIZ30	13R
42	76	00186	510UL	2.5 185	DNT	06S+ 26.7	510-MIZ30	13R
		00186	510UL	0.5 83	INR	06S+ 27.4	510-MIZ30	13R
42	84	00180	510UL	3.2 177	DNT	LTS- 0.2	510-MIZ30	13R
		00180	510UL	0.4 107	NQI	13S+ 20.2	510-MIZ30	13R
		00420	520HF	0.0 0	NDF	13S+ 20.2	SPEC-INT	13R
42	85	00180	510UL	3.4 192	DNT	LTS- 0.2	510-MIZ30	13R
42	96	00242	510UL	0.7 47	INR	03S+ 8.0	510-MIZ30	13R
		00242	510UL	0.7 47	INR	07S+ 35.3	510-MIZ30	13R
		00242	510UL	1.2 46	INR	12S+ 23.7	510-MIZ30	13R
42	104	00242	510UL	0.1 85	NQI	06S+ 0.4	510-MIZ30	13R
		00410	520HF	0.0 0	NDF	06S+ 0.4	SPEC-INT	13R
42	109	00244	510UL	0.2 73	NQI	07S+ 0.2	510-MIZ30	13R
		00410	520HF	0.7 0	WAR 12	07S+ 0.3	SPEC-INT	13R
42	112	00242	510UL	0.4 100	INR	LTE+ 17.1	510-MIZ30	13R
42	113	00353	520HF	0.5 22	WAR 11	11S- 0.9	SPEC-INT	13R
		00244	510UL	0.3 88	NQI	11S- 0.8	510-MIZ30	13R
43	21	00080	510UL	0.5 43	ADI	03S+ 10.9	510-MIZ30	13R
		00287	520HF	0.0 0	NDF	03S+ 10.9	SPEC-INT	13R
		00287	520HF	0.0 0	NDF	13S -7.5	SPEC-INT	13R
		00080	510UL	1.0 60	ADI	12S+ 29.5	510-MIZ30	13R
43	27	00080	510UL	0.1 52	NQI	06S+ 0.2	510-MIZ30	13R
		00287	520HF	0.0 0	NDF	06S+ 0.2	SPEC-INT	13R
43	31	00106	510UL	1.2 88	ADI	01S+ 3.7	510-MIZ30	13R
		00287	520HF	0.0 0	NDF	01S+ 3.7	SPEC-INT	13R
43	44	00108	510UL	1.2 74	ADI	03S+ 5.4	510-MIZ30	13R
		00287	520HF	0.0 0	NDF	03S+ 5.4	SPEC-INT	13R
43	58	00108	510UL	8.6 171	DNT	LTS- 0.2	510-MIZ30	13R
43	59	00106	510UL	24.0 172	DNT	LTS- 0.0	510-MIZ30	13R
		00287	520HF	0.0 0	NDF	LTS- 0.0	SPEC-INT	13R
43	60	00108	510UL	31.7 169	DNT	LTS+ 0.0	510-MIZ30	13R
		00287	520HF	0.0 0	NDF	LTS+ 0.0	SPEC-INT	13R
43	61	00186	510UL	39.7 173	DNT	LTS+ 0.0	510-MIZ30	13R
		00327	520HF	0.0 0	NDF	LTS+ 0.0	SPEC-INT	13R
43	62	00188	510UL	20.1 171	DNT	LTS+ 0.0	510-MIZ30	13R
		00327	520HF	0.0 0	NDF	LTS+ 0.0	SPEC-INT	13R
43	63	00186	510UL	2.9 173	DNT	LTS- 0.0	510-MIZ30	13R
43	84	00188	510UL	2.8 184	DNT	03S+ 9.8	510-MIZ30	13R
43	85	00186	510UL	7.9 174	DNT	LTS- 0.1	510-MIZ30	13R
43	86	00188	510UL	4.4 176	DNT	LTS- 0.1	510-MIZ30	13R
44	1	00287	520HF	0.0 0	NDF	13S -3.0	SPEC-INT	13R
		00080	510UL	1.1 53	ADI	12S+ 34.0	510-MIZ30	13R

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44	58	00108	510UL	7.5 174	DNT	LTS- 0.1	510-MIZ30	13R
44	59	00106	510UL	22.8 172	DNT	LTS- 0.0	510-MIZ30	13R
		00287	520HF	0.0 0	NDF	LTS- 0.0	SPEC-INT	13R
44	60	00108	510UL	28.6 170	DNT	LTS+ 0.0	510-MIZ30	13R
		00287	520HF	0.0 0	NDF	LTS+ 0.0	SPEC-INT	13R
44	61	00186	510UL	29.1 173	DNT	LTS+ 0.0	510-MIZ30	13R
		00327	520HF	0.0 0	NDF	LTS+ 0.0	SPEC-INT	13R
44	62	00186	510UL	23.2 174	DNT	LTS+ 0.0	510-MIZ30	13R
		00327	520HF	0.0 0	NDF	LTS+ 0.0	SPEC-INT	13R
44	63	00188	510UL	7.3 174	DNT	LTS- 0.1	510-MIZ30	13R
44	**75**	00329	520HF	0.0 0	PRA	09S+ 11.7	SPEC-INT	13R
		00299	540HF	0.2 12	BVC	09S+ 11.9	540-MIZ30	13R
		00275	520HF	Cr 0.17	Ax 0.21	09S+ 12.3	SPEC-INT	13R
		00275	520HF	0.2 19	VOL	09S+ 12.3	SPEC-INT	13R
		00355	520HF	0.0 0	PRA	09S+ 12.3	SPEC-INT	13R
		00299	540HF	0.4 4	INR	12S+ 11.8	540-MIZ30	13R
		00355	520HF	1.4 34	VOL	12S+ 12.2	SPEC-INT	13R
		00355	520HF	Cr 0.14	Ax 0.13	12S+ 12.2	SPEC-INT	13R
		00299	540HF	0.3 5	BVC	12S+ 18.4	540-MIZ30	13R
		00299	540HF	0.4 8	ID 27	12S+ 18.6	540-MIZ30	13R
		00329	520HF	0.0 0	PRA	12S+ 18.7	SPEC-INT	13R
		00355	520HF	Cr 0.14	Ax 0.19	12S+ 18.9	SPEC-INT	13R
		00355	520HF	2.5 19	VOL	12S+ 18.9	SPEC-INT	13R
		00275	520HF	0.4 13	VOL	12S+ 19.0	SPEC-INT	13R
		00275	520HF	Cr 0.15	Ax 0.12	12S+ 19.0	SPEC-INT	13R
		00299	540HF	0.3 6	BVC	13S+ 4.8	540-MIZ30	13R
		00275	520HF	0.1 19	VOL	13S+ 4.8	KET12	13R
		00275	520HF	Cr 0.15	Ax 0.12	13S+ 4.8	KET12	13R
		00329	520HF	0.0 0	PRA	13S+ 8.8	SPEC-INT	13R
		00299	540HF	0.4 7	ID 23	13S+ 9.0	540-MIZ30	13R
		00275	520HF	Cr 0.15	Ax 0.17	13S+ 9.1	SPEC-INT	13R
		00275	520HF	0.2 20	VOL	13S+ 9.1	SPEC-INT	13R
		00329	520HF	0.0 0	PRA	13S+ 12.3	SPEC-INT	13R
		00299	540HF	0.4 7	ID 23	13S+ 12.3	540-MIZ30	13R
		00275	520HF	Cr 0.15	Ax 0.17	13S+ 12.5	SPEC-INT	13R
		00275	520HF	0.2 28	VOL	13S+ 12.5	SPEC-INT	13R
		00299	540HF	0.3 3	INR	13S+ 17.0	540-MIZ30	13R
		00329	520HF	0.0 0	PRA	13S+ 17.2	SPEC-INT	13R
		00275	520HF	0.2 15	VOL	13S+ 17.4	SPEC-INT	13R
		00275	520HF	Cr 0.15	Ax 0.17	13S+ 17.4	SPEC-INT	13R
		00299	540HF	0.3 10	BVC	13S+ 22.4	540-MIZ30	13R
		00275	520HF	0.2 16	VOL	13S+ 22.8	SPEC-INT	13R
		00275	520HF	Cr 0.15	Ax 0.17	13S+ 22.8	SPEC-INT	13R
		00329	520HF	0.0 0	PRA	13S+ 22.8	SPEC-INT	13R
		00329	520HF	0.0 0	PRA	13S+ 29.0	SPEC-INT	13R
		00299	540HF	0.5 2	INR	13S+ 29.2	540-MIZ30	13R
		00275	520HF	Cr 0.15	Ax 0.17	13S+ 29.7	SPEC-INT	13R
		00275	520HF	0.2 10	VOL	13S+ 29.7	SPEC-INT	13R
		00299	540HF	0.3 6	BVC	14S+ 6.0	540-MIZ30	13R
		00275	520HF	0.1 39	VOL	14S+ 6.1	SPEC-INT	13R

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		00275	520HF	Cr 0.15	Ax 0.17	14S+ 6.1	SPEC-INT	13R
		00329	520HF	0.0 0	PRA	14S+ 6.3	SPEC-INT	13R
		00329	520HF	Cr 0.16	Ax 0.16	14S+ 9.7	SPEC-INT	13R
		00329	520HF	0.3 19	VOL	14S+ 9.7	SPEC-INT	13R
		00299	540HF	0.5 8	ID 27	14S+ 9.7	540-MIZ30	13R
		00299	540HF	0.3 3	INR	14S+ 15.9	540-MIZ30	13R
		00329	520HF	Cr 0.16	Ax 0.16	14S+ 20.6	SPEC-INT	13R
		00329	520HF	0.3 25	VOL	14S+ 20.6	SPEC-INT	13R
		00299	540HF	0.3 1	INR	14S+ 21.0	540-MIZ30	13R
		00329	520HF	Cr 0.16	Ax 0.16	14S+ 24.8	SPEC-INT	13R
		00329	520HF	0.4 19	VOL	14S+ 24.8	SPEC-INT	13R
		00299	540HF	0.3 10	ID 33	14S+ 25.1	540-MIZ30	13R
		00329	520HF	0.3 21	VOL	14S+ 32.3	SPEC-INT	13R
		00329	520HF	Cr 0.11	Ax 0.16	14S+ 32.3	SPEC-INT	13R
		00299	540HF	0.3 13	BVC	14S+ 32.4	540-MIZ30	13R
		00329	520HF	0.0 0	PRA	15S+ 1.3	SPEC-INT	13R
		00275	520HF	Cr 0.14	Ax 0.20	15S+ 1.3	SPEC-INT	13R
		00275	520HF	0.3 12	VOL	15S+ 1.3	SPEC-INT	13R
		00299	540HF	0.3 5	BVC	15S+ 1.3	540-MIZ30	13R
		00299	540HF	0.3 3	INR	15S+ 6.6	540-MIZ30	13R
44	85	00188	510UL	3.9 180	DNT	LTS- 0.0	510-MIZ30	13R
44	86	00186	510UL	11.2 177	DNT	LTS- 0.1	510-MIZ30	13R
44	90	00186	510UL	0.3 88	NQI	LTS+ 3.5	510-MIZ30	13R
		00327	520HF	0.0 0	NDF	LTS+ 3.5	SPEC-INT	13R
45	13	00080	510UL	1.7 6	INR	15S+ 37.5	510-MIZ30	13R
45	59	00108	510UL	16.8 172	DNT	LTS- 0.0	510-MIZ30	13R
		00287	520HF	0.0 0	NDF	LTS- 0.0	SPEC-INT	13R
45	60	00106	510UL	21.4 172	DNT	LTS- 0.0	510-MIZ30	13R
		00287	520HF	0.0 0	NDF	LTS- 0.0	SPEC-INT	13R
45	61	00108	510UL	7.6 168	DNT	LTS- 0.1	510-MIZ30	13R
45	62	00186	510UL	4.0 178	DNT	LTS- 0.2	510-MIZ30	13R
45	63	00188	510UL	4.9 176	DNT	LTS- 0.2	510-MIZ30	13R
45	119	00242	510UL	0.3 91	NQI	11S- 0.8	510-MIZ30	13R
		00353	520HF	0.6 78	WAR 14	11S- 0.7	SPEC-INT	13R
		00353	520HF	0.6 27	WAR 14	11S+ 0.7	SPEC-INT	13R
		00353	520HF	0.6 37	WAR 13	12S- 0.8	SPEC-INT	13R
		00242	510UL	0.2 92	NQI	12S- 0.8	510-MIZ30	13R
46	8	00080	510UL	0.6 111	NQI	08S+ 11.4	510-MIZ30	13R
		00287	520HF	0.0 0	NDF	08S+ 11.4	SPEC-INT	13R
46	10	00080	510UL	0.7 50	ADI	03S+ 9.7	510-MIZ30	13R
		00287	520HF	0.0 0	NDF	03S+ 9.7	SPEC-INT	13R
		00287	520HF	0.0 0	NDF	13S -8.4	SPEC-INT	13R
		00080	510UL	0.8 51	ADI	12S+ 28.6	510-MIZ30	13R
46	20	00080	510UL	0.8 88	ADI	02S+ 11.8	510-MIZ30	13R
		00287	520HF	0.0 0	NDF	02S+ 11.8	SPEC-INT	13R
46	50	00106	510UL	0.2 103	NQI	04S+ 9.6	510-MIZ30	13R
		00287	520HF	0.0 0	NDF	04S+ 9.6	SPEC-INT	13R
46	51	00108	510UL	2.3 11	INR	12S+ 1.8	510-MIZ30	13R
46	58	00287	520HF	0.0 0	NDF	03S -6.7	SPEC-INT	13R
		00106	510UL	0.5 85	ADI	02S+ 32.3	510-MIZ30	13R

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46	60	00106	510UL	2.7 175	DNT	LTS- 0.2	510-MIZ30	13R
46	**77**	00171	520HF	Cr 0.10	Ax 0.17	ETL- 0.3	KET06	13R
		00171	520HF	0.4 35	VOL	ETL- 0.3	KET06	13R
46	85	00186	510UL	6.3 178	DNT	LTS- 0.2	510-MIZ30	13R
46	86	00188	510UL	9.1 172	DNT	LTS- 0.1	510-MIZ30	13R
46	87	00186	510UL	3.8 175	DNT	LTS- 0.1	510-MIZ30	13R
46	115	00242	510UL	0.2 84	NQI	11S- 0.8	510-MIZ30	13R
		00353	520HF	0.5 71	WAR 12	11S- 0.6	SPEC-INT	13R
46	118	00242	510UL	0.4 103	NQI	11S- 0.8	510-MIZ30	13R
		00353	520HF	0.8 83	WAR 9	11S- 0.8	SPEC-INT	13R
		00353	520HF	0.7 71	WAR 15	11S+ 0.6	SPEC-INT	13R
47	10	00072	510UL	0.7 92	INR	01S+ 17.8	510-MIZ30	13R
		00072	510UL	0.9 91	INR	01S+ 26.4	510-MIZ30	13R
47	22	00072	510UL	1.0 69	INR	01S+ 19.5	510-MIZ30	13R
47	61	00287	520HF	0.6 0	WAR 11	06S+ 0.6	SPEC-INT	13R
		00106	510UL	0.3 83	NQI	06S+ 0.6	510-MIZ30	13R
47	87	00188	510UL	13.1 173	DNT	LTS- 0.1	510-MIZ30	13R
47	88	00186	510UL	19.4 174	DNT	LTS- 0.1	510-MIZ30	13R
		00327	520HF	0.0 0	NDF	LTS- 0.1	SPEC-INT	13R
		00186	510UL	2.7 178	DNT	LTS+ 17.9	510-MIZ30	13R
47	89	00188	510UL	15.9 171	DNT	LTS- 0.1	510-MIZ30	13R
47	90	00186	510UL	5.0 179	DNT	LTS- 0.2	510-MIZ30	13R
47	118	00242	510UL	0.2 65	NQI	09S+ 0.7	510-MIZ30	13R
		00353	520HF	1.0 58	WAR 21	09S+ 0.8	SPEC-INT	13R
48	1	00072	510UL	1.5 0	INR	13S+ 20.0	510-MIZ30	13R
48	4	00074	510UL	0.3 66	NQI	09S- 0.4	510-MIZ30	13R
		00287	520HF	0.5 0	WAR 9	09S- 0.3	SPEC-INT	13R
		00074	510UL	0.1 71	NQI	15S+ 0.1	510-MIZ30	13R
		00287	520HF	0.0 0	NDF	15S+ 0.1	SPEC-INT	13R
48	5	00072	510UL	1.3 64	INR	LTS+ 17.1	510-MIZ30	13R
48	7	00072	510UL	0.6 107	NQI	07S+ 16.9	510-MIZ30	13R
		00287	520HF	0.0 0	NDF	07S+ 16.9	SPEC-INT	13R
48	37	00106	510UL	3.3 188	DNT	01S+ 27.6	510-MIZ30	13R
		00106	510UL	6.5 184	DNT	02S+ 11.6	510-MIZ30	13R
		00333	520HF	0.0 0	NDF	02S+ 11.6	SPEC-INT	13R
48	38	00108	510UL	1.6 94	INR	06S+ 28.6	510-MIZ30	13R
48	41	00106	510UL	0.4 38	NQI	08S+ 0.9	510-MIZ30	13R
		00287	520HF	0.0 0	NDF	08S+ 0.9	SPEC-INT	13R
48	*87*	*00188*	*510UL*	*15.9 173*	*DNT*	*LTS- 0.2*	*510-MIZ30*	*13R*
		00188	*510UL*	*0.3 112*	*NQI*	*15S+ 43.5*	*510-MIZ30*	*13R*
		00355	*520HF*	*0.2 89*	*PID*	*15S+ 43.5*	*SPEC-INT*	*13R*
		00327	*520HF*	*0.2 88*	*OD 22*	*UTS -2.4*	*SPEC-INT*	*13R*
		00327	*520HF*	*Cr 0.21*	*Ax 0.22*	*UTS -2.4*	*SPEC-INT*	*13R*
		00327	*520HF*	*0.2 88*	*SVI*	*UTS -2.4*	*SPEC-INT*	*13R*
		00355	*520HF*	*0.1 73*	*PID*	*UTS -2.4*	*SPEC-INT*	*13R*
48	88	00186	510UL	22.6 174	DNT	LTS- 0.1	510-MIZ30	13R
		00327	520HF	0.0 0	NDF	LTS- 0.1	SPEC-INT	13R
48	89	00188	510UL	19.5 172	DNT	LTS- 0.1	510-MIZ30	13R
		00327	520HF	0.0 0	NDF	LTS- 0.1	SPEC-INT	13R
48	90	00186	510UL	7.5 176	DNT	LTS- 0.2	510-MIZ30	13R

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48	95	00244	510UL	0.1 65	NQI	06S+ 0.3	510-MIZ30	13R
		00410	520HF	0.0 0	NDF	06S+ 0.3	SPEC-INT	13R
48	114	00242	510UL	0.1 72	INR	06S+ 0.8	510-MIZ30	13R
48	118	00410	520HF	0.9 0	WAR 14	08S+ 0.6	SPEC-INT	13R
		00242	510UL	0.3 53	NQI	08S+ 0.6	510-MIZ30	13R
49	1	00072	510UL	0.3 114	NQI	13S+ 0.6	510-MIZ30	13R
		00287	520HF	0.7 0	WAR 8	13S+ 0.7	SPEC-INT	13R
49	2	00072	510UL	0.2 39	INR	14S- 0.4	510-MIZ30	13R
49	15	00074	510UL	2.8 180	DNT	08S+ 20.9	510-MIZ30	13R
49	48	00106	510UL	0.4 117	INR	02S+ 8.3	510-MIZ30	13R
49	87	00299	540HF	5.9 172	DNT	LTS- 0.1	540-MIZ30	13R
		00299	540HF	0.2 85	NQI	15S+ 44.1	540-MIZ30	13R
		00355	520HF	0.0 0	NDF	15S+ 44.1	SPEC-INT	13R
49	88	00186	510UL	9.6 174	DNT	LTS- 0.2	510-MIZ30	13R
49	89	00188	510UL	20.4 172	DNT	LTS- 0.1	510-MIZ30	13R
		00327	520HF	0.0 0	NDF	LTS- 0.1	SPEC-INT	13R
49	90	00186	510UL	14.1 174	DNT	LTS- 0.2	510-MIZ30	13R
49	119	00353	520HF	0.9 57	WAR 19	09S+ 0.6	SPEC-INT	13R
		00242	510UL	0.4 68	NQI	09S+ 0.7	510-MIZ30	13R
		00242	510UL	0.4 76	NQI	12S- 0.8	510-MIZ30	13R
		00353	520HF	1.4 76	WAR 26	12S- 0.7	SPEC-INT	13R
50	11	00072	510UL	0.2 92	NQI	09S- 0.6	510-MIZ30	13R
		00287	520HF	0.6 0	WAR 10	09S- 0.5	SPEC-INT	13R
50	31	00287	520HF	0.4 0	WAR 6	03S+ 0.7	SPEC-INT	13R
		00106	510UL	0.2 93	NQI	03S+ 0.7	510-MIZ30	13R
50	38	00108	510UL	5.6 184	DNT	LTE+ 19.2	510-MIZ30	13R
50	**39**	00295	540HF	0.7 4	INR	08S+ 33.0	540-MIZ30	13R
		00295	540HF	0.6 5	ID 17	08S+ 34.0	540-MIZ30	13R
		00343	520HF	1.5 25	VOL	08S+ 34.0	SPEC-INT	13R
		00343	520HF	Cr 0.16	Ax 0.19	08S+ 34.0	SPEC-INT	13R
		00295	540HF	0.4 3	INR	09S+ 36.2	540-MIZ30	13R
50	57	00106	510UL	2.9 178	DNT	LTS+ 17.0	510-MIZ30	13R
50	63	00362	510UL	2.8 163	DNT	LTS+ 0.0	510-MIZ30	13R
50	66	00360	510UL	3.0 162	DNT	LTS- 0.1	510-MIZ30	13R
50	67	00362	510UL	3.7 163	DNT	LTS+ 0.2	510-MIZ30	13R
50	68	00360	510UL	2.9 177	DNT	LTS- 0.0	510-MIZ30	13R
50	86	00186	510UL	9.8 175	DNT	LTS- 0.1	510-MIZ30	13R
50	87	00188	510UL	8.5 173	DNT	LTS- 0.1	510-MIZ30	13R
50	88	00186	510UL	11.9 177	DNT	LTS- 0.2	510-MIZ30	13R
50	89	00188	510UL	8.2 174	DNT	LTS- 0.2	510-MIZ30	13R
50	110	00242	510UL	0.7 119	NQI	14S+ 13.1	510-MIZ30	13R
		00353	520HF	0.0 0	NDF	14S+ 13.1	SPEC-INT	13R
50	111	00244	510UL	1.0 183	INR	LTE+ 2.5	510-MIZ30	13R
51	62	00106	510UL	3.9 165	DNT	LTS- 0.0	510-MIZ30	13R
51	63	00108	510UL	5.4 164	DNT	LTS+ 0.0	510-MIZ30	13R
51	64	00362	510UL	3.2 167	DNT	LTS+ 0.0	510-MIZ30	13R
51	65	00360	510UL	2.7 164	DNT	LTS+ 0.0	510-MIZ30	13R
51	66	00362	510UL	2.7 159	DNT	LTS+ 0.0	510-MIZ30	13R
		00362	510UL	0.4 105	INR	LTS+ 2.8	510-MIZ30	13R
51	67	00360	510UL	2.6 161	DNT	LTS+ 0.0	510-MIZ30	13R

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51	68	00362	510UL	4.2 163	DNT	LTS+ 0.0	510-MIZ30	13R
51	69	00360	510UL	3.1 163	DNT	LTS+ 0.0	510-MIZ30	13R
51	70	00186	510UL	5.4 167	DNT	LTS+ 0.0	510-MIZ30	13R
51	86	00186	510UL	11.0 174	DNT	LTS- 0.1	510-MIZ30	13R
51	87	00188	510UL	15.8 171	DNT	LTS- 0.1	510-MIZ30	13R
51	88	00186	510UL	11.9 174	DNT	LTS- 0.1	510-MIZ30	13R
51	90	00186	510UL	13.5 173	DNT	LTS- 0.1	510-MIZ30	13R
51	107	00242	510UL	5.7 180	IDC	LTE+ 12.2	510-MIZ30	13R
		00400	540HF	5.5 182	IDC	LTE+ 12.2	540-MIZ30	13R
		00359	520HF	0.0 0	NDF	LTE+ 12.2	SPEC-INT	13R
		00359	520HF	0.0 0	NDF	01S+ 0.0	SPEC-INT	13R
		00359	520HF	0.0 0	NDF	02S+ 0.0	SPEC-INT	13R
		00359	520HF	0.0 0	NDF	03S+ 0.0	SPEC-INT	13R
52	38	00106	510UL	3.4 178	DNT	01S+ 4.6	510-MIZ30	13R
52	53	00108	510UL	0.4 123	INR	LTS+ 0.5	510-MIZ30	13R
52	56	00106	510UL	0.1 59	NQI	06S- 0.5	510-MIZ30	13R
		00319	520HF	0.0 0	NDF	06S- 0.5	SPEC-INT	13R
52	60	00106	510UL	0.3 105	NQI	LTS+ 1.8	510-MIZ30	13R
		00319	520HF	0.0 0	NDF	LTS+ 1.8	SPEC-INT	13R
52	62	00106	510UL	3.7 166	DNT	LTS- 0.0	510-MIZ30	13R
		00106	510UL	0.2 46	NQI	06S- 0.4	510-MIZ30	13R
		00319	520HF	0.0 0	NDF	06S- 0.4	SPEC-INT	13R
52	63	00108	510UL	5.1 167	DNT	LTS+ 0.0	510-MIZ30	13R
52	64	00362	510UL	3.9 164	DNT	LTS+ 0.0	510-MIZ30	13R
52	65	00362	510UL	2.8 159	DNT	LTS+ 0.0	510-MIZ30	13R
52	68	00360	510UL	2.6 161	DNT	LTS+ 0.0	510-MIZ30	13R
52	70	00360	510UL	6.6 169	DNT	LTS+ 0.1	510-MIZ30	13R
52	**71**	00299	540HF	13.9 168	DNT	LTS+ 0.2	540-MIZ30	13R
		00299	540HF	0.5 7	ID 23	15S+ 35.2	540-MIZ30	13R
		00325	520HF	0.0 0	PRA	UTS -12.4	SPEC-INT	13R
		00275	520HF	0.2 6	VOL	UTS -12.1	SPEC-INT	13R
		00275	520HF	Cr 0.15	Ax 0.18	UTS -12.1	SPEC-INT	13R
52	72	00188	510UL	19.7 170	DNT	LTS+ 0.0	510-MIZ30	13R
		00325	520HF	0.0 0	NDF	LTS+ 0.0	SPEC-INT	13R
52	73	00186	510UL	15.1 171	DNT	LTS+ 0.0	510-MIZ30	13R
52	74	00188	510UL	6.0 164	DNT	LTS+ 0.0	510-MIZ30	13R
52	86	00188	510UL	4.2 178	DNT	LTS- 0.3	510-MIZ30	13R
52	87	00186	510UL	10.9 176	DNT	LTS- 0.2	510-MIZ30	13R
52	88	00188	510UL	10.9 172	DNT	LTS- 0.1	510-MIZ30	13R
52	89	00186	510UL	8.9 174	DNT	LTS- 0.2	510-MIZ30	13R
52	90	00188	510UL	18.7 171	DNT	LTS- 0.1	510-MIZ30	13R
		00325	520HF	0.0 0	NDF	LTS- 0.1	SPEC-INT	13R
52	91	00186	510UL	12.0 173	DNT	LTS- 0.1	510-MIZ30	13R
52	93	00186	510UL	2.9 182	DNT	07S+ 5.4	510-MIZ30	13R
52	96	00256	510UL	3.3 182	DNT	LTS- 0.2	510-MIZ30	13R
52	98	00400	540HF	7.5 175	IDC	LTE+ 9.5	540-MIZ30	13R
		00359	520HF	0.0 0	NDF	LTS -14.5	SPEC-INT	13R
		00256	510UL	8.8 358	IDC	LTE+ 16.1	510-MIZ30	13R
52	99	00254	510UL	1.8 116	INR	LTS+ 43.8	510-MIZ30	13R
52	105	00254	510UL	0.1 56	NQI	05S- 0.2	510-MIZ30	13R

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		00410	520HF	0.0	0	NDF	05S-	0.2	SPEC-INT	13R
52	117	00301	540HF	0.4	0	INR	10S+	10.8	540-MIZ30	13R
52	121	00301	540HF	1.0	8	INR	08S+	10.6	540-MIZ30	13R
		00244	510UL	1.0	9	INR	08S+	10.6	510-MIZ30	13R
53	10	00074	510UL	0.1	87	NQI	09S-	0.4	510-MIZ30	13R
		00287	520HF	0.0	0	NDF	09S-	0.4	SPEC-INT	13R
		00319	520HF	0.0	0	NDF	09S-	0.4	SPEC-INT	13R
53	49	00106	510UL	0.2	53	NQI	07S+	0.7	510-MIZ30	13R
		00319	520HF	0.0	0	PRA	07S+	0.7	SPEC-INT	13R
		00283	520HF	0.9	0	WAR 13	07S+	0.8	SPEC-INT	13R
53	63	00106	510UL	2.8	159	DNT	LTS+	0.0	510-MIZ30	13R
53	64	00108	510UL	4.9	167	DNT	LTS-	0.0	510-MIZ30	13R
53	65	00362	510UL	2.7	161	DNT	LTS+	0.0	510-MIZ30	13R
53	70	00362	510UL	4.6	161	DNT	LTS+	0.0	510-MIZ30	13R
53	71	00014	520HF	0.0	0	NDF	LTS+	0.1	LTS-KIDNEY	13R
		00360	510UL	17.5	171	DNT	LTS+	0.1	510-MIZ30	13R
53	72	00186	510UL	27.0	174	DNT	LTS+	0.2	510-MIZ30	13R
		00325	520HF	0.0	0	NDF	LTS+	0.2	SPEC-INT	13R
53	73	00188	510UL	42.4	170	DNT	LTS+	0.1	510-MIZ30	13R
		00325	520HF	0.0	0	NDF	LTS+	0.1	SPEC-INT	13R
53	74	00186	510UL	32.0	172	DNT	LTS+	0.1	510-MIZ30	13R
		00325	520HF	0.0	0	NDF	LTS+	0.1	SPEC-INT	13R
53	75	00188	510UL	26.0	168	DNT	LTS+	0.0	510-MIZ30	13R
		00325	520HF	0.0	0	NDF	LTS+	0.0	SPEC-INT	13R
53	87	00196	510UL	4.0	179	DNT	LTS-	0.1	510-MIZ30	13R
53	88	00194	510UL	7.3	181	DNT	LTS-	0.2	510-MIZ30	13R
53	89	00196	510UL	13.6	174	DNT	LTS-	0.1	510-MIZ30	13R
53	90	00194	510UL	14.4	174	DNT	LTS-	0.2	510-MIZ30	13R
		00194	510UL	0.1	4	INR	11S-	0.0	510-MIZ30	13R
53	91	00196	510UL	21.6	170	DNT	LTS-	0.0	510-MIZ30	13R
		00325	520HF	0.0	0	NDF	LTS-	0.0	SPEC-INT	13R
53	92	00194	510UL	7.4	177	DNT	LTS-	0.1	510-MIZ30	13R
53	96	00256	510UL	5.2	181	DNT	LTS-	0.2	510-MIZ30	13R
53	97	00254	510UL	9.4	174	DNT	LTS-	0.2	510-MIZ30	13R
53	112	00256	510UL	0.6	92	INR	02S+	14.4	510-MIZ30	13R
54	5	00072	510UL	0.2	104	NQI	15S+	11.7	510-MIZ30	13R
		00287	520HF	0.0	0	NDF	15S+	11.7	SPEC-INT	13R
		00319	520HF	0.0	0	NDF	15S+	11.7	SPEC-INT	13R
54	59	00114	510UL	2.7	161	DNT	LTS+	0.0	510-MIZ30	13R
54	60	00116	510UL	2.8	156	DNT	LTS-	0.0	510-MIZ30	13R
54	63	00106	510UL	0.2	97	NQI	06S+	0.5	510-MIZ30	13R
		00287	520HF	0.7	0	WAR 9	06S+	0.6	SPEC-INT	13R
54	64	00108	510UL	4.0	166	DNT	LTS-	0.0	510-MIZ30	13R
54	65	00362	510UL	4.1	165	DNT	LTS+	0.0	510-MIZ30	13R
54	69	00362	510UL	4.8	165	DNT	LTS+	0.0	510-MIZ30	13R
54	70	00360	510UL	12.1	169	DNT	LTS+	0.1	510-MIZ30	13R
54	71	00012	520HF	0.0	0	NDF	LTS+	0.0	LTS-KIDNEY	13R
		00362	510UL	26.9	169	DNT	LTS+	0.0	510-MIZ30	13R
54	72	00014	520HF	0.0	0	NDF	LTS+	0.1	LTS-KIDNEY	13R
		00360	510UL	28.6	172	DNT	LTS+	0.1	510-MIZ30	13R

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		00014	520HF	0.0 0	NDF	LTS+ 0.2	LTS-KIDNEY	13R
		00360	510UL	1.6 90	INR	06S+ 22.9	510-MIZ30	13R
54	73	00194	510UL	42.9 174	DNT	LTS+ 0.2	510-MIZ30	13R
		00325	520HF	0.0 0	NDF	LTS+ 0.2	SPEC-INT	13R
54	74	00194	510UL	50.7 173	DNT	LTS+ 0.2	510-MIZ30	13R
		00325	520HF	0.0 0	NDF	LTS+ 0.2	SPEC-INT	13R
54	75	00196	510UL	55.7 167	DNT	LTS+ 0.2	510-MIZ30	13R
		00325	520HF	0.0 0	NDF	LTS+ 0.2	SPEC-INT	13R
54	76	00194	510UL	39.3 173	DNT	LTS+ 0.1	510-MIZ30	13R
		00325	520HF	0.0 0	NDF	LTS+ 0.1	SPEC-INT	13R
54	77	00196	510UL	21.9 168	DNT	LTS+ 0.0	510-MIZ30	13R
		00325	520HF	0.0 0	NDF	LTS+ 0.0	SPEC-INT	13R
54	78	00194	510UL	5.6 169	DNT	LTS- 0.0	510-MIZ30	13R
54	80	00301	540HF	4.8 159	DNT	LTS+ 0.1	540-MIZ30	13R
54	89	00196	510UL	8.3 175	DNT	LTS- 0.2	510-MIZ30	13R
54	90	00194	510UL	9.1 177	DNT	LTS- 0.2	510-MIZ30	13R
54	91	00196	510UL	16.0 169	DNT	LTS- 0.0	510-MIZ30	13R
54	92	00194	510UL	14.7 174	DNT	LTS- 0.1	510-MIZ30	13R
54	93	00196	510UL	11.1 170	DNT	LTS- 0.0	510-MIZ30	13R
54	94	00194	510UL	5.4 177	DNT	LTS- 0.1	510-MIZ30	13R
54	95	00196	510UL	2.8 175	DNT	LTS- 0.2	510-MIZ30	13R
54	96	00254	510UL	6.2 176	DNT	LTS- 0.2	510-MIZ30	13R
54	97	00256	510UL	7.8 176	DNT	LTS- 0.2	510-MIZ30	13R
54	98	00254	510UL	5.8 179	DNT	LTS+ 0.0	510-MIZ30	13R
		00254	510UL	0.1 57	NQI	08S+ 1.0	510-MIZ30	13R
		00410	520HF	0.0 0	NDF	08S+ 1.0	SPEC-INT	13R
54	99	00256	510UL	3.9 183	DNT	LTS- 0.2	510-MIZ30	13R
54	101	00256	510UL	5.3 177	DNT	LTS- 0.1	510-MIZ30	13R
55	1	00072	510UL	0.3 93	INR	LTE+ 15.3	510-MIZ30	13R
55	**33**	00319	520HF	0.2 32	VOL	03S -5.1	SPEC-INT	13R
		00319	520HF	Cr 0.17	Ax 0.18	03S -5.1	SPEC-INT	13R
		00114	510UL	1.4 89	ADI	02S+ 35.1	510-MIZ30	13R
		00287	520HF	0.0 0	NDF	03S -3.9	SPEC-INT	13R
		00319	520HF	0.0 0	NDF	03S -3.9	SPEC-INT	13R
55	**51**	00295	540HF	0.6 6	INR	10S+ 18.5	540-MIZ30	13R
		00319	520HF	1.0 22	VOL	11S+ 19.1	SPEC-INT	13R
		00319	520HF	Cr 0.20	Ax 0.24	11S+ 19.1	SPEC-INT	13R
		00295	540HF	0.5 10	ID 33	11S+ 19.5	540-MIZ30	13R
55	59	00118	510UL	3.9 161	DNT	LTS+ 0.0	510-MIZ30	13R
55	60	00120	510UL	5.8 164	DNT	LTS+ 0.0	510-MIZ30	13R
55	61	00118	510UL	6.4 168	DNT	LTS+ 0.0	510-MIZ30	13R
55	62	00120	510UL	5.6 167	DNT	LTS- 0.0	510-MIZ30	13R
55	63	00118	510UL	2.8 164	DNT	LTS+ 0.0	510-MIZ30	13R
55	66	00362	510UL	5.8 172	DNT	LTS+ 0.0	510-MIZ30	13R
55	67	00360	510UL	4.1 179	DNT	LTS- 0.2	510-MIZ30	13R
55	69	00362	510UL	10.1 163	DNT	LTS+ 0.0	510-MIZ30	13R
55	70	00014	520HF	0.0 0	NDF	LTS+ 0.0	LTS-KIDNEY	13R
		00362	510UL	48.0 169	DNT	LTS+ 0.0	510-MIZ30	13R
55	71	00012	520HF	0.0 0	NDF	LTS+ 0.2	LTS-KIDNEY	13R
		00360	510UL	62.9 172	DNT	LTS+ 0.2	510-MIZ30	13R

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55	72	00014	520HF	0.0	0	NDF	LTS-	0.1	LTS-KIDNEY	13R
		00362	510UL	69.7	168	DNT	LTS-	0.1	510-MIZ30	13R
55	73	00194	510UL	70.4	172	DNT	LTS+	0.2	510-MIZ30	13R
		00325	520HF	0.0	0	NDF	LTS+	0.2	SPEC-INT	13R
55	74	00196	510UL	62.5	165	DNT	LTS+	0.3	510-MIZ30	13R
		00325	520HF	0.0	0	NDF	LTS+	0.3	SPEC-INT	13R
55	75	00194	510UL	54.3	172	DNT	LTS+	0.3	510-MIZ30	13R
		00325	520HF	0.0	0	NDF	LTS+	0.3	SPEC-INT	13R
55	76	00196	510UL	35.6	169	DNT	LTS+	0.2	510-MIZ30	13R
		00325	520HF	0.0	0	NDF	LTS+	0.2	SPEC-INT	13R
55	77	00194	510UL	11.8	171	DNT	LTS+	0.1	510-MIZ30	13R
55	78	00196	510UL	9.4	167	DNT	LTS+	0.0	510-MIZ30	13R
55	79	00194	510UL	5.6	167	DNT	LTS+	0.0	510-MIZ30	13R
55	80	00196	510UL	3.7	158	DNT	LTS-	0.0	510-MIZ30	13R
55	81	00194	510UL	4.9	167	DNT	LTS-	0.1	510-MIZ30	13R
55	89	00194	510UL	7.5	177	DNT	LTS-	0.2	510-MIZ30	13R
55	90	00196	510UL	10.6	168	DNT	LTS-	0.1	510-MIZ30	13R
55	91	00194	510UL	10.0	176	DNT	LTS-	0.1	510-MIZ30	13R
55	92	00196	510UL	23.4	171	DNT	LTS+	0.0	510-MIZ30	13R
		00325	520HF	0.0	0	NDF	LTS+	0.0	SPEC-INT	13R
55	93	00194	510UL	21.5	176	DNT	LTS-	0.1	510-MIZ30	13R
		00325	520HF	0.0	0	NDF	LTS-	0.1	SPEC-INT	13R
55	94	00196	510UL	3.9	181	DNT	LTS-	0.2	510-MIZ30	13R
55	95	00194	510UL	6.6	176	DNT	LTS-	0.1	510-MIZ30	13R
55	96	00256	510UL	8.1	172	DNT	LTS+	0.0	510-MIZ30	13R
55	97	00254	510UL	7.5	176	DNT	LTS-	0.1	510-MIZ30	13R
55	98	00256	510UL	5.7	181	DNT	LTS-	0.2	510-MIZ30	13R
55	99	00254	510UL	6.7	176	DNT	LTS+	0.1	510-MIZ30	13R
55	100	00256	510UL	4.2	180	DNT	LTS-	0.2	510-MIZ30	13R
55	101	00254	510UL	4.2	178	DNT	LTS-	0.1	510-MIZ30	13R
55	117	00256	510UL	1.5	1	INR	09S+	22.8	510-MIZ30	13R
		00301	540HF	1.3	1	INR	09S+	22.8	540-MIZ30	13R
		00301	540HF	1.2	3	INR	09S+	31.5	540-MIZ30	13R
		00256	510UL	0.8	9	INR	09S+	31.5	510-MIZ30	13R
55	121	00262	510UL	0.2	67	NQI	09S+	0.3	510-MIZ30	13R
		00353	520HF	0.0	0	NDF	09S+	0.3	SPEC-INT	13R
56	1	00319	520HF	1.4	0	WAR 17	12S-	0.8	SPEC-INT	13R
		00072	510UL	0.3	95	NQI	12S-	0.8	510-MIZ30	13R
		00287	520HF	0.5	0	WAR 6	12S-	0.7	SPEC-INT	13R
56	3	00287	520HF	0.4	0	WAR 4	09S+	0.3	SPEC-INT	13R
		00072	510UL	0.2	89	NQI	09S+	0.3	510-MIZ30	13R
		00319	520HF	1.2	0	WAR 15	09S+	0.4	SPEC-INT	13R
56	5	00072	510UL	0.1	43	INR	09S-	0.3	510-MIZ30	13R
56	25	00072	510UL	0.3	77	NQI	LTE+	9.7	510-MIZ30	13R
		00319	520HF	0.0	0	NDF	LTS	-14.3	SPEC-INT	13R
56	56	00120	510UL	2.5	177	DNT	LTS-	0.1	510-MIZ30	13R
56	57	00118	510UL	0.4	58	NQI	LTS+	1.6	510-MIZ30	13R
		00319	520HF	0.0	0	NDF	LTS+	1.6	SPEC-INT	13R
56	59	00118	510UL	8.5	170	DNT	LTS-	0.1	510-MIZ30	13R
56	60	00120	510UL	18.1	168	DNT	LTS-	0.0	510-MIZ30	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00287	520HF	0.0 0	NDF	LTS- 0.0	SPEC-INT	13R
56	61	00118	510UL	6.2 170	DNT	LTS- 0.0	510-MIZ30	13R
56	62	00120	510UL	3.6 164	DNT	LTS+ 0.0	510-MIZ30	13R
56	63	00118	510UL	2.8 169	DNT	LTS+ 0.0	510-MIZ30	13R
56	66	00362	510UL	7.7 172	DNT	LTS+ 0.0	510-MIZ30	13R
56	67	00362	510UL	16.0 171	DNT	LTS+ 0.0	510-MIZ30	13R
56	68	00360	510UL	5.9 167	DNT	LTS- 0.0	510-MIZ30	13R
56	69	00362	510UL	17.2 166	DNT	LTS+ 0.0	510-MIZ30	13R
		00355	520HF	0.0 0	NDF	LTS+ 0.0	SPEC-INT	13R
56	70	00018	520HF	0.0 0	NDF	LTS+ 0.2	LTS-KIDNEY	13R
		00360	510UL	26.0 172	DNT	LTS+ 0.2	510-MIZ30	13R
56	**71**	00362	510UL	50.2 169	DNT	LTS+ 0.0	510-MIZ30	13R
		00016	520HF	0.0 0	NDF	LTS+ 0.3	LTS-KIDNEY	13R
		00392	510UL	26.2 174	DNT	LTS+ 0.3	510-MIZ30	13R
		00073	520HF	0.2 5	VOL	ETL- 0.7	KET12	13R
		00073	520HF	Cr 0.15	Ax 0.17	ETL- 0.7	KET12	13R
56	72	00018	520HF	0.0 0	NDF	LTS+ 0.0	LTS-KIDNEY	13R
		00362	510UL	58.7 169	DNT	LTS+ 0.0	510-MIZ30	13R
56	73	00194	510UL	57.9 174	DNT	LTS+ 0.3	510-MIZ30	13R
		00325	520HF	0.0 0	NDF	LTS+ 0.3	SPEC-INT	13R
56	74	00194	510UL	67.1 172	DNT	LTS+ 0.0	510-MIZ30	13R
		00394	400PP	0.0 0	NDF	LTS+ 0.0	LTS-KIDNEY	13R
56	75	00194	510UL	67.8 172	DNT	LTS+ 0.3	510-MIZ30	13R
		00325	520HF	0.0 0	NDF	LTS+ 0.3	SPEC-INT	13R
56	76	00194	510UL	53.0 173	DNT	LTS+ 0.3	510-MIZ30	13R
		00325	520HF	0.0 0	NDF	LTS+ 0.3	SPEC-INT	13R
56	77	00016	520HF	0.0 0	NDF	LTS+ 0.2	LTS-KIDNEY	13R
		00398	510UL	32.2 171	DNT	LTS+ 0.2	510-MIZ30	13R
		00299	540HF	0.9 4	INR	15S+ 26.2	540-MIZ30	13R
		00398	510UL	0.9 193	INR	15S+ 26.3	510-MIZ30	13R
56	79	00194	510UL	9.2 168	DNT	LTS+ 0.0	510-MIZ30	13R
56	81	00194	510UL	6.8 167	DNT	LTS+ 0.0	510-MIZ30	13R
56	82	00194	510UL	6.8 169	DNT	LTS+ 0.0	510-MIZ30	13R
56	91	00194	510UL	10.2 174	DNT	LTS- 0.1	510-MIZ30	13R
56	92	00196	510UL	22.5 170	DNT	LTS- 0.1	510-MIZ30	13R
		00325	520HF	0.0 0	NDF	LTS- 0.1	SPEC-INT	13R
56	93	00194	510UL	19.1 175	DNT	LTS- 0.1	510-MIZ30	13R
		00325	520HF	0.0 0	NDF	LTS- 0.1	SPEC-INT	13R
56	96	00196	510UL	5.1 176	DNT	LTS- 0.1	510-MIZ30	13R
56	97	00262	510UL	4.8 179	DNT	LTS- 0.2	510-MIZ30	13R
56	98	00264	510UL	2.5 186	DNT	LTS- 0.1	510-MIZ30	13R
56	99	00262	510UL	3.1 180	INR	LTE+ 14.1	510-MIZ30	13R
		00262	510UL	10.0 178	DNT	LTS+ 0.0	510-MIZ30	13R
		00262	510UL	1.0 82	ADI	07S+ 12.6	510-MIZ30	13R
		00410	520HF	0.0 0	NDF	07S+ 12.6	SPEC-INT	13R
56	100	00264	510UL	10.8 172	DNT	LTS- 0.1	510-MIZ30	13R
		00264	510UL	0.6 81	ADI	01S+ 21.1	510-MIZ30	13R
		00410	520HF	0.0 0	NDF	01S+ 21.1	SPEC-INT	13R
56	102	00264	510UL	7.6 176	DNT	LTS- 0.1	510-MIZ30	13R
56	103	00262	510UL	11.3 176	DNT	LTS+ 0.0	510-MIZ30	13R

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Row	Tube	Reel	Probe	Volts/ Degrees		Origin/ Percent	Location		Data Set	Exam
56	125	00410	520HF	1.0	0	WAR 17	05S+	0.7	SPEC-INT	13R
		00301	540HF	0.2	94	NQI	05S+	0.7	540-MIZ30	13R
57	18	00072	510UL	0.7	80	INR	05S+	5.9	510-MIZ30	13R
57	36	00295	540HF	0.3	13	INR	11S+	15.0	540-MIZ30	13R
57	57	00120	510UL	4.1	178	DNT	LTS-	0.1	510-MIZ30	13R
57	60	00118	510UL	13.5	168	DNT	LTS+	0.0	510-MIZ30	13R
57	61	00120	510UL	10.9	168	DNT	LTS-	0.0	510-MIZ30	13R
57	65	00120	510UL	2.6	175	DNT	LTS-	0.2	510-MIZ30	13R
57	66	00360	510UL	6.6	176	DNT	LTS-	0.2	510-MIZ30	13R
57	67	00362	510UL	6.7	171	DNT	LTS+	0.0	510-MIZ30	13R
57	68	00360	510UL	6.3	175	DNT	LTS-	0.1	510-MIZ30	13R
57	69	00362	510UL	3.6	166	DNT	LTS+	0.0	510-MIZ30	13R
57	70	00360	510UL	17.8	172	DNT	LTS-	0.1	510-MIZ30	13R
		00355	520HF	0.0	0	NDF	LTS-	0.1	SPEC-INT	13R
57	71	00018	520HF	0.0	0	NDF	LTS+	0.0	LTS-KIDNEY	13R
		00362	510UL	22.8	168	DNT	LTS+	0.0	510-MIZ30	13R
57	72	00360	510UL	0.1	121	INR	LTS	-1.1	510-MIZ30	13R
		00016	520HF	0.0	0	NDF	LTS+	0.1	LTS-KIDNEY	13R
		00360	510UL	26.1	171	DNT	LTS+	0.1	510-MIZ30	13R
57	73	00018	520HF	0.0	0	NDF	LTS+	0.0	LTS-KIDNEY	13R
		00362	510UL	41.1	169	DNT	LTS+	0.0	510-MIZ30	13R
57	74	00016	520HF	0.0	0	NDF	LTS+	0.3	LTS-KIDNEY	13R
		00194	510UL	39.2	173	DNT	LTS+	0.3	510-MIZ30	13R
57	75	00194	510UL	57.7	172	DNT	LTS+	0.3	510-MIZ30	13R
		00394	400PP	0.0	0	NDF	LTS+	0.0	LTS-KIDNEY	13R
57	76	00194	510UL	66.8	172	DNT	LTS+	0.2	510-MIZ30	13R
		00404	400PP	0.0	0	NDF	LTS+	0.0	LTS-KIDNEY	13R
57	77	00018	520HF	0.0	0	NDF	LTS+	0.2	LTS-KIDNEY	13R
		00194	510UL	52.2	173	DNT	LTS+	0.2	510-MIZ30	13R
		00394	400PP	0.0	0	NDF	LTS+	0.0	LTS-KIDNEY	13R
57	78	00194	510UL	24.4	172	DNT	LTS+	0.1	510-MIZ30	13R
		00325	520HF	0.0	0	NDF	LTS+	0.1	SPEC-INT	13R
57	79	00194	510UL	12.8	170	DNT	LTS+	0.1	510-MIZ30	13R
57	80	00194	510UL	3.2	167	DNT	LTS-	0.0	510-MIZ30	13R
57	82	00194	510UL	2.8	164	DNT	LTS+	0.0	510-MIZ30	13R
57	83	00194	510UL	4.9	167	DNT	LTS+	0.0	510-MIZ30	13R
57	91	00194	510UL	11.6	174	DNT	LTS-	0.1	510-MIZ30	13R
57	92	00194	510UL	29.1	175	DNT	LTS-	0.0	510-MIZ30	13R
		00325	520HF	0.0	0	NDF	LTS-	0.0	SPEC-INT	13R
57	93	00194	510UL	23.6	174	DNT	LTS-	0.1	510-MIZ30	13R
		00325	520HF	0.0	0	NDF	LTS-	0.1	SPEC-INT	13R
57	94	00194	510UL	10.7	176	DNT	LTS-	0.1	510-MIZ30	13R
57	96	00200	510UL	5.3	178	DNT	LTS+	0.0	510-MIZ30	13R
57	97	00262	510UL	9.2	176	DNT	LTS-	0.0	510-MIZ30	13R
57	98	00264	510UL	5.8	175	DNT	LTS-	0.1	510-MIZ30	13R
57	99	00262	510UL	13.0	177	DNT	LTS-	0.1	510-MIZ30	13R
57	100	00016	520HF	0.0	0	NDF	LTS-	0.1	LTS-KIDNEY	13R
		00264	510UL	21.5	172	DNT	LTS-	0.1	510-MIZ30	13R
57	101	00262	510UL	13.7	175	DNT	LTS+	0.0	510-MIZ30	13R
57	102	00264	510UL	13.3	173	DNT	LTS-	0.1	510-MIZ30	13R

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57	103	00016	520HF	0.0	0	NDF	LTS-	0.1	LTS-KIDNEY	13R
		00262	510UL	30.2	173	DNT	LTS-	0.1	510-MIZ30	13R
		00262	510UL	3.7	184	DNT	14S+	11.8	510-MIZ30	13R
57	104	00264	510UL	14.8	172	DNT	LTS-	0.1	510-MIZ30	13R
58	56	00120	510UL	3.6	178	DNT	LTS-	0.2	510-MIZ30	13R
58	60	00120	510UL	3.8	167	DNT	LTS-	0.1	510-MIZ30	13R
58	61	00118	510UL	6.2	171	DNT	LTS+	0.0	510-MIZ30	13R
58	62	00120	510UL	2.7	176	DNT	LTS-	0.1	510-MIZ30	13R
58	64	00120	510UL	3.1	175	DNT	LTS-	0.1	510-MIZ30	13R
58	65	00120	510UL	3.0	176	DNT	LTS-	0.2	510-MIZ30	13R
58	66	00360	510UL	8.3	174	DNT	LTS-	0.1	510-MIZ30	13R
58	67	00362	510UL	10.8	170	DNT	LTS+	0.0	510-MIZ30	13R
58	68	00360	510UL	11.0	173	DNT	LTS-	0.1	510-MIZ30	13R
58	69	00362	510UL	9.3	171	DNT	LTS+	0.0	510-MIZ30	13R
58	70	00360	510UL	2.7	181	DNT	LTS-	0.1	510-MIZ30	13R
58	71	00362	510UL	4.5	166	DNT	LTS+	0.0	510-MIZ30	13R
58	72	00360	510UL	7.0	174	DNT	LTS-	0.1	510-MIZ30	13R
58	73	00362	510UL	15.1	170	DNT	LTS+	0.0	510-MIZ30	13R
58	74	00200	510UL	15.4	176	DNT	LTS+	0.0	510-MIZ30	13R
58	75	00200	510UL	26.8	172	DNT	LTS+	0.0	510-MIZ30	13R
		00323	520HF	0.0	0	NDF	LTS+	0.0	SPEC-INT	13R
58	76	00394	400PP	0.0	0	NDF	LTS+	0.0	LTS-KIDNEY	13R
		00202	510UL	37.3	169	DNT	LTS+	0.3	510-MIZ30	13R
58	77	00200	510UL	64.0	172	DNT	LTS+	0.0	510-MIZ30	13R
		00394	400PP	0.0	0	NDF	LTS+	0.0	LTS-KIDNEY	13R
		00323	520HF	0.0	0	NDF	LTS+	0.0	SPEC-INT	13R
58	78	00202	510UL	55.3	168	DNT	LTS+	0.2	510-MIZ30	13R
		00323	520HF	0.0	0	NDF	LTS+	0.2	SPEC-INT	13R
58	90	00202	510UL	2.9	181	DNT	LTS-	0.2	510-MIZ30	13R
58	91	00200	510UL	12.8	175	DNT	LTS+	0.0	510-MIZ30	13R
58	92	00202	510UL	29.0	172	DNT	LTS+	0.0	510-MIZ30	13R
		00323	520HF	0.0	0	NDF	LTS+	0.0	SPEC-INT	13R
58	93	00200	510UL	28.9	173	DNT	LTS+	0.0	510-MIZ30	13R
		00323	520HF	0.0	0	NDF	LTS+	0.0	SPEC-INT	13R
58	94	00202	510UL	12.0	172	DNT	LTS-	0.1	510-MIZ30	13R
58	97	00262	510UL	11.6	173	DNT	LTS-	0.1	510-MIZ30	13R
58	98	00018	520HF	0.0	0	NDF	LTS-	0.0	LTS-KIDNEY	13R
		00262	510UL	18.8	174	DNT	LTS-	0.0	510-MIZ30	13R
58	99	00016	520HF	0.0	0	NDF	LTS+	0.0	LTS-KIDNEY	13R
		00264	510UL	25.9	172	DNT	LTS+	0.0	510-MIZ30	13R
58	100	00018	520HF	0.0	0	NDF	LTS-	0.0	LTS-KIDNEY	13R
		00262	510UL	34.3	173	DNT	LTS-	0.0	510-MIZ30	13R
58	101	00016	520HF	0.0	0	NDF	LTS+	0.2	LTS-KIDNEY	13R
		00264	510UL	40.5	172	DNT	LTS+	0.2	510-MIZ30	13R
58	102	00018	520HF	0.0	0	NDF	LTS-	0.0	LTS-KIDNEY	13R
		00262	510UL	37.8	173	DNT	LTS-	0.0	510-MIZ30	13R
58	103	00016	520HF	0.0	0	NDF	LTS+	0.0	LTS-KIDNEY	13R
		00264	510UL	23.1	173	DNT	LTS+	0.0	510-MIZ30	13R
58	104	00262	510UL	15.8	174	DNT	LTS-	0.1	510-MIZ30	13R
59	**21**	00319	520HF	0.4	28	VOL	03S	-13.9	SPEC-INT	13R

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		00319	520HF	Cr 0.15	Ax 0.21	03S -13.9	SPEC-INT	13R
		00064	510UL	0.4 31	NQI	02S+ 25.6	510-MIZ30	13R
59	54	00009	510UL	3.2 174	DNT	LTS+ 0.0	510-MIZ30	13R
59	58	00009	510UL	2.6 159	DNT	LTS- 0.2	510-MIZ30	13R
59	59	00011	510UL	2.7 177	DNT	LTS+ 0.0	510-MIZ30	13R
59	60	00009	510UL	3.0 172	DNT	LTS- 0.1	510-MIZ30	13R
59	61	00011	510UL	3.8 174	DNT	LTS+ 0.0	510-MIZ30	13R
59	62	00009	510UL	3.5 169	DNT	LTS+ 0.0	510-MIZ30	13R
59	63	00011	510UL	4.2 175	DNT	LTS- 0.1	510-MIZ30	13R
59	64	00009	510UL	6.1 171	DNT	LTS- 0.0	510-MIZ30	13R
59	65	00011	510UL	11.2 172	DNT	LTS- 0.1	510-MIZ30	13R
59	66	00009	510UL	9.0 169	DNT	LTS+ 0.0	510-MIZ30	13R
59	67	00011	510UL	15.2 171	DNT	LTS -1.0	510-MIZ30	13R
		00024	520HF	1.0 78	MBM	03S+ 36.1	SPEC-INT	13R
		00011	510UL	0.5 116	NQI	03S+ 36.5	510-MIZ30	13R
59	68	00009	510UL	9.4 169	DNT	LTS- 0.0	510-MIZ30	13R
59	71	00362	510UL	3.2 170	DNT	LTS+ 0.0	510-MIZ30	13R
59	72	00200	510UL	3.2 179	DNT	LTS+ 0.0	510-MIZ30	13R
59	73	00202	510UL	16.6 171	DNT	LTS- 0.0	510-MIZ30	13R
		00323	520HF	0.0 0	NDF	LTS- 0.0	SPEC-INT	13R
59	74	00200	510UL	23.3 172	DNT	LTS+ 0.0	510-MIZ30	13R
		00323	520HF	0.0 0	NDF	LTS+ 0.0	SPEC-INT	13R
59	75	00202	510UL	35.5 169	DNT	LTS+ 0.2	510-MIZ30	13R
		00323	520HF	0.0 0	NDF	LTS+ 0.2	SPEC-INT	13R
59	76	00200	510UL	34.3 172	DNT	LTS+ 0.0	510-MIZ30	13R
		00323	520HF	0.0 0	NDF	LTS+ 0.0	SPEC-INT	13R
59	77	00202	510UL	14.7 167	DNT	LTS+ 0.0	510-MIZ30	13R
59	78	00200	510UL	1.1 190	INR	13S+ 23.1	510-MIZ30	13R
59	84	00200	510UL	0.2 90	NQI	10S+ 18.1	510-MIZ30	13R
		00323	520HF	0.0 0	NDF	11S -17.9	SPEC-INT	13R
		00200	510UL	0.1 85	NQI	10S+ 21.0	510-MIZ30	13R
		00323	520HF	0.0 0	NDF	11S -15.0	SPEC-INT	13R
		00200	510UL	2.9 183	DNT	12S+ 1.2	510-MIZ30	13R
59	87	00202	510UL	4.1 178	DNT	LTS- 0.1	510-MIZ30	13R
59	88	00200	510UL	23.1 176	DNT	LTS+ 0.0	510-MIZ30	13R
		00323	520HF	0.0 0	NDF	LTS+ 0.0	SPEC-INT	13R
59	89	00202	510UL	27.1 171	DNT	LTS- 0.0	510-MIZ30	13R
		00323	520HF	0.0 0	NDF	LTS- 0.0	SPEC-INT	13R
59	90	00200	510UL	12.7 176	DNT	LTS+ 0.0	510-MIZ30	13R
59	94	00262	510UL	7.8 176	DNT	LTS- 0.1	510-MIZ30	13R
59	95	00018	520HF	0.0 0	NDF	LTS+ 0.0	LTS-KIDNEY	13R
		00264	510UL	28.9 172	DNT	LTS+ 0.0	510-MIZ30	13R
59	96	00016	520HF	0.0 0	NDF	LTS+ 0.0	LTS-KIDNEY	13R
		00262	510UL	48.1 174	DNT	LTS+ 0.0	510-MIZ30	13R
59	97	00018	520HF	0.0 0	NDF	LTS+ 0.0	LTS-KIDNEY	13R
		00264	510UL	35.0 171	DNT	LTS+ 0.0	510-MIZ30	13R
59	98	00016	520HF	0.0 0	NDF	LTS- 0.1	LTS-KIDNEY	13R
		00262	510UL	21.7 174	DNT	LTS- 0.1	510-MIZ30	13R
59	99	00264	510UL	6.1 171	DNT	LTS+ 0.0	510-MIZ30	13R
60	2	00066	510UL	0.2 57	NQI	15S+ 0.3	510-MIZ30	13R

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		00283	520HF	0.0	0	NDF	15S+	0.3	SPEC-INT	13R
		00319	520HF	0.0	0	PRA	15S+	0.3	SPEC-INT	13R
60	3	00064	510UL	0.4	80	NQI	12S-	0.9	510-MIZ30	13R
		00319	520HF	0.7	0	WAR 10	12S-	0.8	SPEC-INT	13R
		00319	520HF	0.0	0	NDF	12S+	0.7	SPEC-INT	13R
60	5	00064	510UL	0.3	78	NQI	13S-	0.8	510-MIZ30	13R
		00319	520HF	0.0	0	NDF	13S-	0.8	SPEC-INT	13R
60	6	00066	510UL	0.4	83	NQI	12S-	0.8	510-MIZ30	13R
		00319	520HF	0.7	0	WAR 10	12S-	0.7	SPEC-INT	13R
60	18	00066	510UL	1.9	88	ADI	01S+	6.9	510-MIZ30	13R
		00319	520HF	0.0	0	NDF	01S+	6.9	SPEC-INT	13R
		00066	510UL	1.3	78	ADI	03S+	1.5	510-MIZ30	13R
		00319	520HF	0.0	0	NDF	03S+	1.5	SPEC-INT	13R
60	22	00066	510UL	0.3	38	NQI	06S+	0.7	510-MIZ30	13R
		00319	520HF	0.8	0	WAR 11	06S+	0.9	SPEC-INT	13R
60	59	00011	510UL	2.5	171	DNT	LTS+	0.0	510-MIZ30	13R
60	60	00009	510UL	6.8	174	DNT	LTS+	0.0	510-MIZ30	13R
60	61	00011	510UL	5.4	172	DNT	LTS-	0.0	510-MIZ30	13R
60	62	00009	510UL	5.0	171	DNT	LTS-	0.1	510-MIZ30	13R
60	63	00011	510UL	3.0	171	DNT	LTS+	0.0	510-MIZ30	13R
60	64	00009	510UL	4.7	173	DNT	LTS-	0.2	510-MIZ30	13R
60	65	00011	510UL	0.2	23	INF	LTS	-1.2	510-MIZ30	13R
		00011	510UL	5.7	173	DNT	LTS-	0.1	510-MIZ30	13R
60	66	00009	510UL	7.4	172	DNT	LTS-	0.3	510-MIZ30	13R
60	67	00011	510UL	14.4	173	DNT	LTS-	0.1	510-MIZ30	13R
60	68	00009	510UL	14.5	170	DNT	LTS-	0.0	510-MIZ30	13R
60	70	00009	510UL	11.1	170	DNT	LTS-	0.0	510-MIZ30	13R
60	71	00011	510UL	4.9	174	DNT	LTS-	0.1	510-MIZ30	13R
60	73	00372	510UL	5.7	171	DNT	LTS-	0.2	510-MIZ30	13R
60	74	00200	510UL	7.7	176	DNT	LTS+	0.0	510-MIZ30	13R
60	75	00200	510UL	10.1	176	DNT	LTS+	0.0	510-MIZ30	13R
60	76	00202	510UL	7.7	175	DNT	LTS-	0.1	510-MIZ30	13R
60	77	00200	510UL	13.5	174	DNT	LTS+	0.0	510-MIZ30	13R
60	78	00202	510UL	21.2	168	DNT	LTS+	0.2	510-MIZ30	13R
		00323	520HF	0.0	0	NDF	LTS+	0.2	SPEC-INT	13R
60	79	00200	510UL	26.2	172	DNT	LTS+	0.0	510-MIZ30	13R
		00323	520HF	0.0	0	NDF	LTS+	0.0	SPEC-INT	13R
60	80	00202	510UL	9.6	165	DNT	LTS+	0.1	510-MIZ30	13R
60	**83**	00301	540HF	0.5	11	ID 37	15S+	39.3	540-MIZ30	13R
		00275	520HF	0.4	14	VOL	UTS	-7.2	SPEC-INT	13R
		00275	520HF	Cr	0.15	Ax 0.24	UTS	-7.2	SPEC-INT	13R
		00323	520HF	0.0	0	PRA	UTS	-7.2	SPEC-INT	13R
60	88	00202	510UL	0.6	120	INR	13S+	6.2	510-MIZ30	13R
60	91	00200	510UL	0.1	41	INR	14S+	0.3	510-MIZ30	13R
60	92	00202	510UL	9.7	173	DNT	LTS-	0.1	510-MIZ30	13R
60	93	00200	510UL	6.2	174	DNT	LTS+	0.0	510-MIZ30	13R
60	98	00262	510UL	6.5	177	DNT	LTS-	0.1	510-MIZ30	13R
60	99	00018	520HF	0.0	0	NDF	LTS+	0.0	LTS-KIDNEY	13R
		00264	510UL	24.9	172	DNT	LTS+	0.0	510-MIZ30	13R
60	100	00262	510UL	13.7	174	DNT	LTS-	0.0	510-MIZ30	13R

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60	101	00264	510UL	7.5 173	DNT	LTS- 0.1	510-MIZ30	13R
60	126	00262	510UL	3.2 180	DNT	05S+ 33.6	510-MIZ30	13R
61	*1*	*00283*	*520HF*	*0.3 50*	*ARC*	*UTS+ 0.6*	*SPEC-INT*	*13R*
		00283	*520HF*	*0.6 55*	*SCI*	*UTS+ 0.6*	*SPEC-INT*	*13R*
		00283	*520HF*	*0.5 85*	*OD 78*	*UTS+ 0.6*	*SPEC-INT*	*13R*
		00319	*520HF*	*0.8 64*	*PID*	*UTS+ 0.6*	*SPEC-INT*	*13R*
		00064	*510UL*	*0.3 61*	*NQI*	*UTS+ 0.6*	*510-MIZ30*	*13R*
61	*19*	*00223*	*520HF*	*3.9 39*	*PID*	*ETL- 0.3*	*KET06*	*13R*
		00095	*520HF*	*0.3 58*	*ARC*	*ETL- 0.3*	*KET06*	*13R*
		00095	*520HF*	*4.5 37*	*OD 94*	*ETL- 0.3*	*KET06*	*13R*
		00095	*520HF*	*4.5 43*	*SCI*	*ETL- 0.3*	*KET06*	*13R*
61	25	00066	510UL	0.5 112	INR	02S+ 9.7	510-MIZ30	13R
61	40	00114	510UL	0.2 89	NQI	04S+ 30.0	510-MIZ30	13R
		00317	520HF	0.0 0	NDF	05S -9.0	SPEC-INT	13R
61	58	00011	510UL	0.1 165	INF	LTE+ 22.4	510-MIZ30	13R
		00011	510UL	5.6 174	DNT	LTS- 0.0	510-MIZ30	13R
61	59	00009	510UL	0.1 38	INR	LTE+ 22.3	510-MIZ30	13R
		00009	510UL	4.5 170	DNT	LTS- 0.0	510-MIZ30	13R
		00009	510UL	0.1 94	NQI	06S+ 0.2	510-MIZ30	13R
		00069	520HF	0.0 0	NDF	06S+ 0.2	SPEC-INT	13R
61	60	00011	510UL	3.9 173	DNT	LTS+ 0.0	510-MIZ30	13R
61	62	00011	510UL	2.6 175	DNT	LTS- 0.0	510-MIZ30	13R
61	63	00009	510UL	4.8 173	DNT	LTS- 0.1	510-MIZ30	13R
61	64	00011	510UL	2.8 355	INF	LTS -1.2	510-MIZ30	13R
		00011	510UL	6.8 173	DNT	LTS- 0.1	510-MIZ30	13R
61	65	00009	510UL	2.3 358	INR	LTE+ 22.4	510-MIZ30	13R
		00009	510UL	11.4 171	DNT	LTS- 0.0	510-MIZ30	13R
61	66	00011	510UL	14.0 171	DNT	LTS+ 0.0	510-MIZ30	13R
61	67	00009	510UL	11.1 169	DNT	LTS- 0.1	510-MIZ30	13R
61	68	00011	510UL	8.8 171	DNT	LTS- 0.0	510-MIZ30	13R
61	69	00009	510UL	5.5 173	DNT	LTS- 0.0	510-MIZ30	13R
61	71	00372	510UL	2.8 175	DNT	LTS- 0.2	510-MIZ30	13R
61	72	00200	510UL	9.9 176	DNT	LTS+ 0.0	510-MIZ30	13R
61	73	00202	510UL	14.5 172	DNT	LTS- 0.0	510-MIZ30	13R
61	74	00200	510UL	19.4 174	DNT	LTS+ 0.0	510-MIZ30	13R
		00323	520HF	0.0 0	NDF	LTS+ 0.0	SPEC-INT	13R
61	75	00202	510UL	10.0 173	DNT	LTS- 0.1	510-MIZ30	13R
61	76	00200	510UL	6.3 173	DNT	LTS+ 0.0	510-MIZ30	13R
61	77	00202	510UL	9.8 167	DNT	LTS- 0.0	510-MIZ30	13R
61	78	00200	510UL	6.5 167	DNT	LTS+ 0.0	510-MIZ30	13R
61	85	00202	510UL	2.6 157	DNT	LTS- 0.1	510-MIZ30	13R
61	98	00264	510UL	0.2 79	NQI	08S+ 30.6	510-MIZ30	13R
		00420	520HF	0.0 0	NDF	08S+ 30.6	SPEC-INT	13R
61	123	00262	510UL	0.3 92	NQI	10S- 0.9	510-MIZ30	13R
		00420	520HF	0.5 0	WAR 8	10S- 0.8	SPEC-INT	13R
		00262	510UL	0.2 92	NQI	10S+ 0.5	510-MIZ30	13R
		00420	520HF	0.0 0	PRA	10S+ 0.6	SPEC-INT	13R
		00412	520HF	0.4 0	WAR 10	10S+ 0.6	SPEC-INT	13R
61	126	00264	510UL	0.2 65	NQI	10S+ 0.5	510-MIZ30	13R
		00412	520HF	0.0 0	NDF	10S+ 0.5	SPEC-INT	13R

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Row	Tube	Reel	Probe	Volts/ Degrees		Origin/ Percent	Location		Data Set	Exam
62	5	00066	510UL	0.6	87	NQI	12S-	0.9	510-MIZ30	13R
		00319	520HF	0.8	0	WAR 11	12S-	0.8	SPEC-INT	13R
62	64	00009	510UL	3.0	174	DNT	LTS+	0.1	510-MIZ30	13R
62	65	00011	510UL	7.4	172	DNT	LTS-	0.1	510-MIZ30	13R
62	66	00009	510UL	12.2	171	DNT	LTS-	0.1	510-MIZ30	13R
62	67	00011	510UL	15.0	173	DNT	LTS+	0.1	510-MIZ30	13R
62	68	00009	510UL	10.3	171	DNT	LTS-	0.1	510-MIZ30	13R
62	69	00011	510UL	7.8	172	DNT	LTS-	0.0	510-MIZ30	13R
62	70	00009	510UL	5.0	173	DNT	LTS-	0.1	510-MIZ30	13R
62	72	00372	510UL	1.2	127	INR	01S+	16.7	510-MIZ30	13R
62	73	00200	510UL	3.2	182	DNT	LTS+	0.0	510-MIZ30	13R
62	74	00202	510UL	11.7	173	DNT	LTS-	0.2	510-MIZ30	13R
62	75	00200	510UL	10.4	174	DNT	LTS+	0.0	510-MIZ30	13R
62	76	00202	510UL	18.5	171	DNT	LTS-	0.2	510-MIZ30	13R
		00323	520HF	0.0	0	NDF	LTS-	0.2	SPEC-INT	13R
62	77	00200	510UL	8.4	173	DNT	LTS+	0.0	510-MIZ30	13R
62	86	00202	510UL	6.2	165	DNT	LTS-	0.1	510-MIZ30	13R
62	87	00200	510UL	2.7	178	DNT	LTS+	0.0	510-MIZ30	13R
62	101	00264	510UL	0.2	89	NQI	LTS+	10.0	510-MIZ30	13R
		00410	520HF	0.0	0	NDF	LTS+	10.0	SPEC-INT	13R
62	127	00264	510UL	0.2	94	NQI	10S+	0.6	510-MIZ30	13R
		00412	520HF	0.5	0	WAR 11	10S+	0.6	SPEC-INT	13R
63	6	00066	510UL	0.3	84	NQI	12S-	0.9	510-MIZ30	13R
		00319	520HF	0.4	0	WAR 6	12S-	0.8	SPEC-INT	13R
63	12	00066	510UL	0.2	67	NQI	08S+	0.7	510-MIZ30	13R
		00319	520HF	1.1	0	WAR 14	08S+	0.9	SPEC-INT	13R
63	51	00317	520HF	0.8	0	WAR 10	07S-	0.7	SPEC-INT	13R
		00114	510UL	0.5	66	NQI	07S+	0.0	510-MIZ30	13R
		00317	520HF	1.0	0	WAR 13	07S+	0.6	SPEC-INT	13R
63	58	00011	510UL	0.1	0	INF	LTS	-1.2	510-MIZ30	13R
		00011	510UL	4.5	167	DNT	LTS+	0.0	510-MIZ30	13R
63	59	00009	510UL	2.7	156	DNT	LTS+	0.0	510-MIZ30	13R
63	63	00069	520HF	0.4	0	WAR 4	06S-	0.7	SPEC-INT	13R
		00009	510UL	0.2	63	NQI	06S-	0.3	510-MIZ30	13R
63	65	00009	510UL	4.0	174	DNT	LTS-	0.0	510-MIZ30	13R
63	66	00011	510UL	11.6	174	DNT	LTS+	0.0	510-MIZ30	13R
		00011	510UL	1.0	91	INR	03S+	4.8	510-MIZ30	13R
		00011	510UL	0.8	99	INR	03S+	6.5	510-MIZ30	13R
		00011	510UL	0.4	108	INR	07S+	10.3	510-MIZ30	13R
		00011	510UL	0.6	91	INR	14S+	28.7	510-MIZ30	13R
63	67	00004	520HF	0.0	0	NDF	LTS-	0.1	LTS-KIDNEY	13R
		00009	510UL	16.4	172	DNT	LTS-	0.1	510-MIZ30	13R
63	68	00011	510UL	11.9	173	DNT	LTS-	0.0	510-MIZ30	13R
63	69	00009	510UL	7.7	172	DNT	LTS-	0.1	510-MIZ30	13R
63	70	00011	510UL	4.1	179	DNT	LTS-	0.1	510-MIZ30	13R
63	71	00009	510UL	2.9	176	DNT	LTS-	0.1	510-MIZ30	13R
		00009	510UL	0.2	120	INR	04S+	4.1	510-MIZ30	13R
63	72	00011	510UL	2.8	160	DNT	LTS-	0.0	510-MIZ30	13R
63	75	00202	510UL	5.7	175	DNT	LTS-	0.2	510-MIZ30	13R
63	76	00200	510UL	0.1	180	INR	LTS	-1.5	510-MIZ30	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00200	510UL	9.2 173	DNT	LTS+ 0.0	510-MIZ30	13R
63	77	00202	510UL	10.2 171	DNT	LTS- 0.0	510-MIZ30	13R
63	78	00200	510UL	4.0 173	DNT	LTS+ 0.0	510-MIZ30	13R
63	86	00200	510UL	3.5 170	DNT	LTS+ 0.0	510-MIZ30	13R
63	87	00202	510UL	8.4 167	DNT	LTS- 0.1	510-MIZ30	13R
63	88	00200	510UL	0.3 107	INR	13S+ 23.1	510-MIZ30	13R
63	107	00276	510UL	0.0 106	INR	14S+ 0.0	510-MIZ30	13R
63	**108**	00275	520HF	Cr 0.19	Ax 0.19	06S -6.7	SPEC-INT	13R
		00275	520HF	0.2 44	VOL	06S -6.7	SPEC-INT	13R
		00323	520HF	0.0 0	PRA	06S -6.4	SPEC-INT	13R
		00301	540HF	1.2 5	ID 17	05S+ 30.6	540-MIZ30	13R
64	7	00064	510UL	0.3 84	NQI	12S- 0.8	510-MIZ30	13R
		00319	520HF	0.9 0	WAR 12	12S- 0.8	SPEC-INT	13R
64	58	00009	510UL	5.9 165	DNT	LTS+ 0.1	510-MIZ30	13R
64	59	00011	510UL	10.5 168	DNT	LTS+ 0.0	510-MIZ30	13R
64	60	00009	510UL	6.8 162	DNT	LTS+ 0.1	510-MIZ30	13R
		00009	510UL	0.2 102	NQI	06S+ 0.0	510-MIZ30	13R
		00069	520HF	0.0 0	NDF	06S+ 0.0	SPEC-INT	13R
64	61	00011	510UL	4.3 169	DNT	LTS+ 0.0	510-MIZ30	13R
64	65	00011	510UL	3.1 172	DNT	LTS+ 0.1	510-MIZ30	13R
64	67	00011	510UL	6.4 176	DNT	LTS- 0.2	510-MIZ30	13R
64	68	00009	510UL	4.6 173	DNT	LTS- 0.0	510-MIZ30	13R
64	69	00011	510UL	3.7 178	DNT	LTS- 0.1	510-MIZ30	13R
64	70	00009	510UL	4.7 175	DNT	LTS- 0.1	510-MIZ30	13R
64	73	00372	510UL	3.1 161	DNT	LTS- 0.1	510-MIZ30	13R
64	77	00202	510UL	4.4 177	DNT	LTS- 0.3	510-MIZ30	13R
64	78	00200	510UL	8.2 173	DNT	LTS+ 0.0	510-MIZ30	13R
64	79	00202	510UL	6.8 172	DNT	LTS- 0.1	510-MIZ30	13R
64	**83**	00301	540HF	0.6 6	ID 20	15S+ 31.6	540-MIZ30	13R
		00323	520HF	0.0 0	PRA	UTS -15.0	SPEC-INT	13R
		00275	520HF	0.2 20	VOL	UTS -14.9	SPEC-INT	13R
		00275	520HF	Cr 0.20	Ax 0.18	UTS -14.9	SPEC-INT	13R
64	87	00200	510UL	8.6 168	DNT	LTS+ 0.0	510-MIZ30	13R
64	88	00202	510UL	8.5 167	DNT	LTS- 0.1	510-MIZ30	13R
64	95	00200	510UL	0.2 88	INR	13S+ 22.9	510-MIZ30	13R
65	7	00066	510UL	0.2 78	NQI	09S- 0.3	510-MIZ30	13R
		00319	520HF	0.5 0	WAR 7	09S- 0.2	SPEC-INT	13R
65	32	00066	510UL	0.1 72	NQI	11S+ 21.6	510-MIZ30	13R
		00283	520HF	0.0 0	NDF	12S -16.4	SPEC-INT	13R
		00319	520HF	0.0 0	PRA	12S -16.4	SPEC-INT	13R
65	34	00303	540HF	0.3 74	INR	LTE+ 9.8	540-MIZ30	13R
		00066	510UL	0.3 79	NQI	LTE+ 10.0	510-MIZ30	13R
		00319	520HF	0.0 0	NDF	LTS -14.0	SPEC-INT	13R
		00066	510UL	0.3 70	NQI	05S+ 0.7	510-MIZ30	13R
		00303	540HF	0.2 83	NQI	05S+ 0.8	540-MIZ30	13R
		00319	520HF	0.4 0	WAR 6	05S+ 0.8	SPEC-INT	13R
		00303	540HF	0.8 4	INR	11S+ 8.6	540-MIZ30	13R
		00066	510UL	0.7 5	ID 17	11S+ 8.6	510-MIZ30	13R
65	47	00343	520HF	1.5 88	MBM	02S+ 6.9	SPEC-INT	13R
		00295	540HF	1.3 55	ADI	02S+ 6.9	540-MIZ30	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
65	58	00009	510UL	9.8 166	DNT	LTS+ 0.1	510-MIZ30	13R
		00009	510UL	0.1 64	NQI	07S+ 0.3	510-MIZ30	13R
		00069	520HF	0.0 0	NDF	07S+ 0.3	SPEC-INT	13R
65	59	00011	510UL	15.7 168	DNT	LTS+ 0.1	510-MIZ30	13R
65	60	00009	510UL	9.1 165	DNT	LTS+ 0.1	510-MIZ30	13R
65	61	00011	510UL	0.5 98	INR	LTE+ 16.0	510-MIZ30	13R
		00011	510UL	2.6 161	DNT	LTS+ 0.1	510-MIZ30	13R
65	64	00009	510UL	2.7 167	DNT	LTS+ 0.0	510-MIZ30	13R
65	66	00009	510UL	2.5 175	DNT	LTS- 0.0	510-MIZ30	13R
65	67	00011	510UL	3.0 171	DNT	LTS+ 0.0	510-MIZ30	13R
65	68	00009	510UL	2.6 169	DNT	LTS- 0.0	510-MIZ30	13R
65	69	00035	510UL	3.0 164	DNT	LTS+ 0.0	510-MIZ30	13R
65	71	00035	510UL	3.3 171	DNT	LTS+ 0.0	510-MIZ30	13R
65	72	00009	510UL	2.9 165	DNT	LTS- 0.0	510-MIZ30	13R
65	73	00200	510UL	2.7 176	DNT	LTS+ 0.0	510-MIZ30	13R
65	74	00202	510UL	2.9 176	DNT	LTS- 0.1	510-MIZ30	13R
65	77	00200	510UL	13.2 174	DNT	LTS+ 0.0	510-MIZ30	13R
65	78	00202	510UL	18.6 171	DNT	LTS- 0.1	510-MIZ30	13R
		00323	520HF	0.0 0	NDF	LTS- 0.1	SPEC-INT	13R
		00202	510UL	2.7 185	DNT	03S+ 35.4	510-MIZ30	13R
65	79	00200	510UL	11.6 174	DNT	LTS+ 0.0	510-MIZ30	13R
65	80	00202	510UL	5.3 174	DNT	LTS- 0.1	510-MIZ30	13R
65	85	00200	510UL	2.7 160	DNT	LTS+ 0.0	510-MIZ30	13R
65	86	00202	510UL	3.2 157	DNT	LTS- 0.1	510-MIZ30	13R
65	87	00200	510UL	7.5 169	DNT	LTS+ 0.0	510-MIZ30	13R
65	97	00359	520HF	0.0 0	NDF	02S+ 22.0	SPEC-INT	13R
		00202	510UL	11.1 3	IDC	02S+ 22.9	510-MIZ30	13R
		00400	540HF	9.1 177	IDC	02S+ 22.9	540-MIZ30	13R
		00359	520HF	0.0 0	NDF	03S+ 0.0	SPEC-INT	13R
		00359	520HF	0.0 0	NDF	04S+ 0.0	SPEC-INT	13R
		00359	520HF	0.0 0	NDF	05S+ 0.0	SPEC-INT	13R
65	124	00412	520HF	0.9 0	WAR 17	09S- 0.8	SPEC-INT	13R
		00274	510UL	0.5 95	NQI	09S- 0.7	510-MIZ30	13R
66	1	00090	510UL	0.1 129	INR	04S+ 27.9	510-MIZ30	13R
66	4	00090	510UL	0.2 58	NQI	LTS+ 20.7	510-MIZ30	13R
		00376	520HF	0.0 0	NDF	LTS+ 20.7	SPEC-INT	13R
66	8	00064	510UL	0.3 75	NQI	12S- 0.7	510-MIZ30	13R
		00319	520HF	0.0 0	NDF	12S- 0.7	SPEC-INT	13R
66	27	00066	510UL	2.3 7	INR	LTS+ 0.7	510-MIZ30	13R
66	37	00120	510UL	0.2 84	NQI	04S+ 17.2	510-MIZ30	13R
		00317	520HF	0.0 0	NDF	04S+ 17.2	SPEC-INT	13R
66	39	00120	510UL	0.3 101	NQI	14S+ 1.2	510-MIZ30	13R
		00317	520HF	0.0 0	NDF	14S+ 1.2	SPEC-INT	13R
66	46	00118	510UL	4.7 185	DNT	02S+ 1.0	510-MIZ30	13R
		00317	520HF	0.0 0	NDF	02S+ 1.0	SPEC-INT	13R
		00118	510UL	16.6 184	DNT	02S+ 1.6	510-MIZ30	13R
		00317	520HF	0.0 0	NDF	02S+ 1.6	SPEC-INT	13R
		00118	510UL	3.1 183	DNT	02S+ 5.4	510-MIZ30	13R
		00118	510UL	3.7 186	DNT	02S+ 7.5	510-MIZ30	13R
		00118	510UL	4.2 183	DNT	04S+ 12.9	510-MIZ30	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00283	520HF	0.0 0	NDF	04S+ 12.9	SPEC-INT	13R
		00317	520HF	0.0 0	PRA	04S+ 12.9	SPEC-INT	13R
		00118	510UL	3.5 185	DNT	06S+ 19.6	510-MIZ30	13R
		00317	520HF	0.0 0	NDF	06S+ 19.6	SPEC-INT	13R
		00118	510UL	4.4 185	DNT	06S+ 20.3	510-MIZ30	13R
		00317	520HF	0.0 0	NDF	06S+ 20.3	SPEC-INT	13R
66	57	00009	510UL	0.3 100	NQI	10S+ 1.5	510-MIZ30	13R
		00069	520HF	0.0 0	NDF	10S+ 1.5	SPEC-INT	13R
66	59	00009	510UL	7.7 163	DNT	LTS+ 0.1	510-MIZ30	13R
66	60	00011	510UL	9.7 168	DNT	LTS+ 0.4	510-MIZ30	13R
66	61	00009	510UL	3.7 161	DNT	LTS- 0.0	510-MIZ30	13R
66	69	00009	510UL	6.7 164	DNT	LTS- 0.0	510-MIZ30	13R
66	70	00011	510UL	8.4 166	DNT	LTS+ 0.0	510-MIZ30	13R
66	71	00009	510UL	8.9 159	DNT	LTS+ 0.1	510-MIZ30	13R
66	72	00011	510UL	4.2 167	DNT	LTS- 0.2	510-MIZ30	13R
66	73	00200	510UL	2.8 173	DNT	LTS+ 0.0	510-MIZ30	13R
66	74	00200	510UL	3.6 175	DNT	LTS+ 0.0	510-MIZ30	13R
66	75	00202	510UL	3.7 171	DNT	LTS- 0.1	510-MIZ30	13R
66	77	00202	510UL	9.1 173	DNT	LTS- 0.2	510-MIZ30	13R
66	78	00200	510UL	17.2 172	DNT	LTS+ 0.0	510-MIZ30	13R
		00323	520HF	0.0 0	NDF	LTS+ 0.0	SPEC-INT	13R
66	79	00202	510UL	16.2 170	DNT	LTS- 0.1	510-MIZ30	13R
		00323	520HF	0.0 0	NDF	LTS- 0.1	SPEC-INT	13R
66	81	00202	510UL	6.4 181	DNT	LTS- 0.2	510-MIZ30	13R
66	86	00200	510UL	3.3 163	DNT	LTS+ 0.0	510-MIZ30	13R
66	87	00202	510UL	5.0 164	DNT	LTS- 0.1	510-MIZ30	13R
66	88	00200	510UL	5.9 170	DNT	LTS+ 0.0	510-MIZ30	13R
66	111	00276	510UL	0.8 105	INR	07S+ 10.6	510-MIZ30	13R
66	131	00276	510UL	0.2 99	NQI	10S+ 0.5	510-MIZ30	13R
		00412	520HF	0.0 0	NDF	10S+ 0.5	SPEC-INT	13R
		00276	510UL	0.2 113	NQI	11S- 0.9	510-MIZ30	13R
		00412	520HF	0.0 0	NDF	11S- 0.9	SPEC-INT	13R
		00276	510UL	0.2 117	NQI	12S- 0.9	510-MIZ30	13R
		00412	520HF	0.0 0	NDF	12S- 0.9	SPEC-INT	13R
67	9	00054	510UL	0.3 83	NQI	LTE+ 7.7	510-MIZ30	13R
		00319	520HF	0.0 0	NDF	LTS -16.3	SPEC-INT	13R
67	21	00054	510UL	0.3 69	NQI	03S+ 20.9	510-MIZ30	13R
		00319	520HF	0.0 0	NDF	03S+ 20.9	SPEC-INT	13R
67	25	00054	510UL	0.2 97	NQI	05S+ 0.7	510-MIZ30	13R
		00319	520HF	0.6 0	WAR 8	05S+ 0.9	SPEC-INT	13R
67	40	00120	510UL	2.6 183	DNT	LTS+ 18.6	510-MIZ30	13R
67	59	00009	510UL	4.5 164	DNT	LTS- 0.0	510-MIZ30	13R
67	60	00011	510UL	3.8 165	DNT	LTS+ 0.3	510-MIZ30	13R
67	68	00011	510UL	2.7 156	DNT	LTS+ 0.1	510-MIZ30	13R
67	69	00009	510UL	6.7 164	DNT	LTS+ 0.1	510-MIZ30	13R
67	70	00011	510UL	6.9 167	DNT	LTS+ 0.1	510-MIZ30	13R
67	71	00009	510UL	8.6 166	DNT	LTS+ 0.1	510-MIZ30	13R
67	72	00011	510UL	14.0 169	DNT	LTS- 0.1	510-MIZ30	13R
67	73	00003	510UL	3.5 167	DNT	LTS- 0.0	510-MIZ30	13R
67	74	00005	510UL	2.8 162	DNT	LTS+ 0.1	510-MIZ30	13R

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67	75	00003	510UL	3.1 162	DNT	LTS- 0.1	510-MIZ30	13R
67	76	00005	510UL	10.2 175	DNT	LTS+ 0.0	510-MIZ30	13R
67	77	00200	510UL	10.6 173	DNT	LTS+ 0.0	510-MIZ30	13R
67	78	00202	510UL	14.1 169	DNT	LTS- 0.0	510-MIZ30	13R
67	79	00200	510UL	21.7 173	DNT	LTS- 0.0	510-MIZ30	13R
		00323	520HF	0.0 0	NDF	LTS- 0.0	SPEC-INT	13R
67	80	00202	510UL	10.0 174	DNT	LTS- 0.1	510-MIZ30	13R
67	85	00200	510UL	2.7 179	DNT	LTS+ 0.0	510-MIZ30	13R
67	86	00202	510UL	3.6 158	DNT	LTS- 0.0	510-MIZ30	13R
67	87	00200	510UL	7.8 169	DNT	LTS+ 0.0	510-MIZ30	13R
67	88	00202	510UL	4.6 169	DNT	LTS- 0.1	510-MIZ30	13R
67	126	00274	510UL	0.3 82	NQI	09S+ 0.6	510-MIZ30	13R
		00412	520HF	0.4 0	WAR 9	09S+ 0.6	SPEC-INT	13R
68	3	00088	510UL	0.1 13	INR	10S+ 20.1	510-MIZ30	13R
68	25	00118	510UL	0.2 53	NQI	08S+ 0.7	510-MIZ30	13R
		00319	520HF	1.0 0	WAR 14	08S+ 0.9	SPEC-INT	13R
68	44	00120	510UL	1.9 92	INR	10S+ 3.6	510-MIZ30	13R
68	62	00069	520HF	0.5 0	WAR 11	07S+ 0.7	SPEC-INT	13R
		00011	510UL	0.4 76	NQI	07S+ 0.7	510-MIZ30	13R
68	63	00009	510UL	0.2 68	NQI	06S+ 12.4	510-MIZ30	13R
		00069	520HF	0.0 0	NDF	06S+ 12.4	SPEC-INT	13R
68	72	00009	510UL	11.9 166	DNT	LTS+ 0.1	510-MIZ30	13R
68	73	00003	510UL	11.2 167	DNT	LTS+ 0.0	510-MIZ30	13R
68	74	00005	510UL	4.8 169	DNT	LTS- 0.4	510-MIZ30	13R
68	75	00003	510UL	3.3 166	DNT	LTS- 0.1	510-MIZ30	13R
68	76	00005	510UL	5.5 177	DNT	LTS- 0.4	510-MIZ30	13R
68	77	00200	510UL	7.4 173	DNT	LTS+ 0.0	510-MIZ30	13R
68	78	00200	510UL	11.0 172	DNT	LTS+ 0.0	510-MIZ30	13R
68	79	00202	510UL	12.3 171	DNT	LTS- 0.1	510-MIZ30	13R
68	81	00202	510UL	2.6 184	DNT	LTS- 0.1	510-MIZ30	13R
68	84	00200	510UL	4.5 167	DNT	LTS+ 0.0	510-MIZ30	13R
68	85	00202	510UL	3.4 161	DNT	LTS+ 0.0	510-MIZ30	13R
68	86	00200	510UL	5.7 167	DNT	LTS+ 0.0	510-MIZ30	13R
68	87	00202	510UL	4.8 162	DNT	LTS- 0.0	510-MIZ30	13R
68	88	00200	510UL	7.2 170	DNT	LTS+ 0.0	510-MIZ30	13R
68	96	00200	510UL	0.4 116	INR	15S+ 36.3	510-MIZ30	13R
68	131	00276	510UL	0.2 93	INR	10S+ 0.5	510-MIZ30	13R
69	25	00048	510UL	0.1 78	INR	UTS+ 4.7	510-MIZ30	13R
69	73	00009	510UL	5.4 166	DNT	LTS+ 0.0	510-MIZ30	13R
69	74	00003	510UL	11.5 169	DNT	LTS+ 0.0	510-MIZ30	13R
69	75	00005	510UL	5.1 170	DNT	LTS- 0.5	510-MIZ30	13R
69	76	00003	510UL	2.5 174	DNT	LTS- 0.2	510-MIZ30	13R
69	77	00005	510UL	6.7 175	DNT	LTS- 0.5	510-MIZ30	13R
69	78	00200	510UL	12.1 172	DNT	LTS+ 0.0	510-MIZ30	13R
69	79	00202	510UL	12.8 170	DNT	LTS- 0.1	510-MIZ30	13R
69	80	00200	510UL	4.9 175	DNT	LTS+ 0.0	510-MIZ30	13R
69	83	00202	510UL	3.0 158	DNT	LTS- 0.1	510-MIZ30	13R
69	84	00200	510UL	13.3 171	DNT	LTS+ 0.0	510-MIZ30	13R
69	85	00202	510UL	8.3 164	DNT	LTS+ 0.0	510-MIZ30	13R
69	86	00200	510UL	11.7 170	DNT	LTS+ 0.0	510-MIZ30	13R

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69	87	00202	510UL	10.4 166	DNT	LTS+ 0.0	510-MIZ30	13R
69	88	00200	510UL	11.9 171	DNT	LTS+ 0.0	510-MIZ30	13R
69	89	00202	510UL	7.8 169	DNT	LTS+ 0.0	510-MIZ30	13R
69	99	00274	510UL	0.2 98	NQI	15S+ 44.7	510-MIZ30	13R
		00355	520HF	0.0 0	NDF	15S+ 44.7	SPEC-INT	13R
69	114	00276	510UL	0.2 138	INR	14S+ 3.9	510-MIZ30	13R
69	118	00410	520HF	0.0 0	NDF	01S+ 5.6	SPEC-INT	13R
		00276	510UL	0.2 96	NQI	01S+ 5.8	510-MIZ30	13R
69	132	00276	510UL	0.2 102	NQI	06S- 0.8	510-MIZ30	13R
		00410	520HF	0.5 105	WAR 11	06S- 0.8	SPEC-INT	13R
		00276	510UL	0.1 87	NQI	10S+ 0.3	510-MIZ30	13R
		00412	520HF	0.0 0	NDF	10S+ 0.3	SPEC-INT	13R
70	2	00090	510UL	0.4 101	NQI	12S- 0.9	510-MIZ30	13R
		00376	520HF	1.4 0	WAR 18	12S- 0.7	SPEC-INT	13R
70	5	00088	510UL	0.2 66	NQI	10S+ 0.0	510-MIZ30	13R
		00376	520HF	0.0 0	NDF	10S+ 0.0	SPEC-INT	13R
70	16	00319	520HF	0.0 0	NDF	06S -5.6	SPEC-INT	13R
		00050	510UL	0.3 74	NQI	05S+ 31.4	510-MIZ30	13R
70	72	00019	510UL	3.0 170	DNT	LTS+ 0.0	510-MIZ30	13R
70	73	00003	510UL	7.3 168	DNT	LTS+ 0.0	510-MIZ30	13R
70	74	00005	510UL	10.9 171	DNT	LTS+ 0.0	510-MIZ30	13R
70	75	00003	510UL	6.5 168	DNT	LTS+ 0.0	510-MIZ30	13R
70	76	00005	510UL	6.8 175	DNT	LTS+ 0.0	510-MIZ30	13R
70	77	00208	510UL	14.2 176	DNT	LTS- 0.2	510-MIZ30	13R
70	78	00210	510UL	16.4 172	DNT	LTS- 0.1	510-MIZ30	13R
		00323	520HF	0.0 0	NDF	LTS- 0.1	SPEC-INT	13R
70	79	00208	510UL	13.1 176	DNT	LTS- 0.1	510-MIZ30	13R
70	82	00210	510UL	12.4 174	DNT	LTS- 0.1	510-MIZ30	13R
70	83	00208	510UL	20.7 174	DNT	LTS- 0.1	510-MIZ30	13R
		00323	520HF	0.0 0	NDF	LTS- 0.1	SPEC-INT	13R
70	84	00210	510UL	32.0 169	DNT	LTS+ 0.0	510-MIZ30	13R
		00323	520HF	0.0 0	NDF	LTS+ 0.0	SPEC-INT	13R
70	85	00208	510UL	19.3 174	DNT	LTS+ 0.1	510-MIZ30	13R
		00323	520HF	0.0 0	NDF	LTS+ 0.1	SPEC-INT	13R
70	86	00210	510UL	11.5 168	DNT	LTS+ 0.1	510-MIZ30	13R
70	87	00208	510UL	12.7 173	DNT	LTS+ 0.0	510-MIZ30	13R
70	88	00210	510UL	12.6 168	DNT	LTS+ 0.0	510-MIZ30	13R
70	89	00208	510UL	2.7 172	DNT	LTS- 0.0	510-MIZ30	13R
70	96	00200	510UL	1.5 88	ADI	04S+ 3.8	510-MIZ30	13R
		00323	520HF	1.7 123	MBM	04S+ 3.9	SPEC-INT	13R
71	12	00050	510UL	0.3 105	NQI	15S+ 42.1	510-MIZ30	13R
		00283	520HF	0.0 0	NDF	UTS -4.3	SPEC-INT	13R
		00319	520HF	0.0 0	PRA	UTS -4.3	SPEC-INT	13R
71	22	00050	510UL	0.9 182	INR	15S+ 39.4	510-MIZ30	13R
71	**25**	00101	520HF	Cr 0.10	Ax 0.06	ETL- 0.3	KET12	13R
		00101	520HF	0.4 20	VOL	ETL- 0.3	KET12	13R
71	72	00019	510UL	2.8 165	DNT	LTS+ 0.0	510-MIZ30	13R
71	73	00003	510UL	3.7 164	DNT	LTS- 0.0	510-MIZ30	13R
71	74	00005	510UL	10.6 170	DNT	LTS+ 0.0	510-MIZ30	13R
71	75	00003	510UL	4.4 172	DNT	LTS+ 0.0	510-MIZ30	13R

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		00003	510UL	0.2 307	INR	06S- 0.9	510-MIZ30	13R
71	76	00005	510UL	13.1 175	DNT	LTS+ 0.0	510-MIZ30	13R
71	77	00208	510UL	14.6 176	DNT	LTS- 0.2	510-MIZ30	13R
71	78	00210	510UL	15.4 173	DNT	LTS- 0.1	510-MIZ30	13R
71	79	00208	510UL	11.8 174	DNT	LTS- 0.1	510-MIZ30	13R
71	80	00210	510UL	2.9 172	DNT	LTS- 0.1	510-MIZ30	13R
71	81	00030	520HF	0.0 0	NDF	LTS- 0.2	LTS-KIDNEY	13R
		00208	510UL	17.6 175	DNT	LTS- 0.2	510-MIZ30	13R
71	82	00210	510UL	21.1 169	DNT	LTS+ 0.0	510-MIZ30	13R
		00323	520HF	0.0 0	NDF	LTS+ 0.0	SPEC-INT	13R
71	83	00208	510UL	27.9 174	DNT	LTS+ 0.1	510-MIZ30	13R
		00323	520HF	0.0 0	NDF	LTS+ 0.1	SPEC-INT	13R
		00208	510UL	0.7 67	ADI	LTS+ 34.3	510-MIZ30	13R
		00323	520HF	0.0 0	NDF	LTS+ 34.3	SPEC-INT	13R
		00208	510UL	0.8 128	INR	LTS+ 36.3	510-MIZ30	13R
71	84	00210	510UL	39.5 170	DNT	LTS+ 0.2	510-MIZ30	13R
		00323	520HF	0.0 0	NDF	LTS+ 0.2	SPEC-INT	13R
71	85	00208	510UL	22.1 175	DNT	LTS+ 0.1	510-MIZ30	13R
		00323	520HF	0.0 0	NDF	LTS+ 0.1	SPEC-INT	13R
71	86	00210	510UL	13.1 169	DNT	LTS+ 0.0	510-MIZ30	13R
71	87	00208	510UL	12.2 173	DNT	LTS+ 0.0	510-MIZ30	13R
71	88	00210	510UL	6.2 167	DNT	LTS+ 0.0	510-MIZ30	13R
71	90	00210	510UL	0.5 114	NQI	11S+ 15.5	510-MIZ30	13R
		00323	520HF	0.0 0	NDF	11S+ 15.5	SPEC-INT	13R
71	111	00282	510UL	0.6 138	INR	05S+ 28.5	510-MIZ30	13R
71	131	00388	510UL	0.2 68	NQI	10S- 0.8	510-MIZ30	13R
		00412	520HF	0.0 0	NDF	10S- 0.8	SPEC-INT	13R
72	13	00044	510UL	0.2 89	NQI	15S+ 41.1	510-MIZ30	13R
		00283	520HF	0.0 0	NDF	UTS -5.3	SPEC-INT	13R
		00319	520HF	0.0 0	PRA	UTS -5.3	SPEC-INT	13R
72	14	00046	510UL	0.4 84	NQI	06S+ 0.7	510-MIZ30	13R
		00319	520HF	1.1 0	WAR 15	06S+ 0.8	SPEC-INT	13R
		00046	510UL	0.3 112	NQI	15S+ 40.7	510-MIZ30	13R
		00283	520HF	0.0 0	NDF	UTS -5.7	SPEC-INT	13R
		00319	520HF	0.0 0	PRA	UTS -5.3	SPEC-INT	13R
72	37	00118	510UL	2.5 160	DNT	UTS+ 0.0	510-MIZ30	13R
72	54	00120	510UL	0.2 63	NQI	08S- 0.3	510-MIZ30	13R
		00317	520HF	1.3 0	WAR 13	08S- 0.3	SPEC-INT	13R
72	59	00069	520HF	0.7 0	WAR 9	08S+ 0.8	SPEC-INT	13R
		00017	510UL	0.4 87	NQI	08S+ 0.8	510-MIZ30	13R
72	66	00024	520HF	0.0 0	NDF	LTS+ 2.0	SPEC-INT	13R
		00017	510UL	0.2 106	NQI	LTS+ 2.0	510-MIZ30	13R
72	71	00019	510UL	0.0 47	INR	11S+ 0.2	510-MIZ30	13R
72	72	00003	510UL	8.9 172	DNT	06S+ 34.9	510-MIZ30	13R
		00069	520HF	0.0 0	NDF	06S+ 34.9	SPEC-INT	13R
		00003	510UL	0.1 107	INR	07S+ 33.7	510-MIZ30	13R
72	73	00005	510UL	6.4 169	DNT	LTS+ 0.0	510-MIZ30	13R
72	74	00003	510UL	8.4 168	DNT	LTS+ 0.0	510-MIZ30	13R
72	75	00005	510UL	3.5 168	DNT	LTS+ 0.0	510-MIZ30	13R
72	76	00208	510UL	8.7 175	DNT	LTS- 0.1	510-MIZ30	13R

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72	77	00208	510UL	9.7 175	DNT	LTS-	0.1	510-MIZ30	13R
72	78	00210	510UL	9.0 173	DNT	LTS+	0.0	510-MIZ30	13R
72	80	00210	510UL	2.8 173	DNT	LTS-	0.1	510-MIZ30	13R
72	81	00208	510UL	23.0 175	DNT	LTS-	0.2	510-MIZ30	13R
		00323	520HF	0.0 0	NDF	LTS-	0.2	SPEC-INT	13R
72	82	00210	510UL	28.3 170	DNT	LTS+	0.2	510-MIZ30	13R
		00323	520HF	0.0 0	NDF	LTS+	0.2	SPEC-INT	13R
72	83	00208	510UL	50.6 174	DNT	LTS+	0.1	510-MIZ30	13R
		00323	520HF	0.0 0	NDF	LTS+	0.1	SPEC-INT	13R
72	84	00032	520HF	0.0 0	NDF	LTS+	0.2	LTS-KIDNEY	13R
		00210	510UL	29.3 171	DNT	LTS+	0.2	510-MIZ30	13R
		00210	510UL	0.8 80	ADI	03S+	6.0	510-MIZ30	13R
		00323	520HF	0.6 82	MBM	03S+	6.4	SPEC-INT	13R
72	85	00208	510UL	16.8 174	DNT	LTS+	0.1	510-MIZ30	13R
		00323	520HF	0.0 0	NDF	LTS+	0.1	SPEC-INT	13R
72	86	00210	510UL	17.8 169	DNT	LTS+	0.1	510-MIZ30	13R
		00323	520HF	0.0 0	NDF	LTS+	0.1	SPEC-INT	13R
72	87	00208	510UL	14.7 173	DNT	LTS+	0.0	510-MIZ30	13R
72	88	00210	510UL	3.1 169	DNT	LTS+	0.0	510-MIZ30	13R
72	99	00301	540HF	1.0 4	INR	09S+	36.0	540-MIZ30	13R
72	109	00282	510UL	0.6 120	INR	13S+	11.6	510-MIZ30	13R
72	126	00410	520HF	0.0 0	NDF	08S-	0.3	SPEC-INT	13R
		00388	510UL	0.1 88	NQI	08S+	0.3	510-MIZ30	13R
73	11	00088	510UL	0.1 78	NQI	10S-	0.3	510-MIZ30	13R
		00376	520HF	0.0 0	NDF	10S-	0.3	SPEC-INT	13R
73	53	00118	510UL	2.8 168	DNT	UTS+	0.0	510-MIZ30	13R
73	64	00024	520HF	0.0 0	NDF	LTS+	2.0	SPEC-INT	13R
		00017	510UL	0.3 113	NQI	LTS+	2.0	510-MIZ30	13R
73	65	00026	520HF	0.0 0	NDF	LTS+	1.9	SPEC-INT	13R
		00019	510UL	0.3 120	NQI	LTS+	1.9	510-MIZ30	13R
73	67	00024	520HF	0.0 0	NDF	LTS+	1.9	SPEC-INT	13R
		00019	510UL	0.4 99	NQI	LTS+	1.9	510-MIZ30	13R
		00019	510UL	2.7 171	DNT	UTS-	0.1	510-MIZ30	13R
73	72	00003	510UL	2.7 160	DNT	LTS-	0.1	510-MIZ30	13R
73	73	00005	510UL	9.1 170	DNT	LTS+	0.0	510-MIZ30	13R
73	74	00003	510UL	12.1 168	DNT	LTS+	0.1	510-MIZ30	13R
73	75	00010	520HF	0.0 0	NDF	LTS	-2.2	LTS-KIDNEY	13R
		00024	520HF	0.0 0	NDF	LTE+	21.8	SPEC-INT	13R
		00005	510UL	0.3 113	NQI	LTE+	21.8	510-MIZ30	13R
		00005	510UL	4.3 167	DNT	LTS+	0.0	510-MIZ30	13R
73	76	00208	510UL	6.8 176	DNT	LTS-	0.2	510-MIZ30	13R
73	77	00210	510UL	6.6 173	DNT	LTS-	0.2	510-MIZ30	13R
73	78	00301	540HF	7.0 168	DNT	LTS+	0.0	540-MIZ30	13R
73	79	00208	510UL	6.7 178	DNT	LTS-	0.1	510-MIZ30	13R
73	80	00210	510UL	3.9 175	DNT	LTS-	0.0	510-MIZ30	13R
73	81	00208	510UL	16.6 176	DNT	LTS-	0.1	510-MIZ30	13R
		00323	520HF	0.0 0	NDF	LTS-	0.1	SPEC-INT	13R
73	82	00210	510UL	23.7 168	DNT	LTS+	0.2	510-MIZ30	13R
		00032	520HF	0.0 0	NDF	LTS+	0.2	LTS-KIDNEY	13R
73	83	00208	510UL	25.4 174	DNT	LTS+	0.2	510-MIZ30	13R

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		00323	520HF	0.0	0	NDF	LTS+	0.2	SPEC-INT	13R
73	84	00210	510UL	11.5	166	DNT	LTS+	0.1	510-MIZ30	13R
73	85	00208	510UL	11.1	174	DNT	LTS+	0.1	510-MIZ30	13R
73	86	00210	510UL	16.6	168	DNT	LTS+	0.2	510-MIZ30	13R
		00323	520HF	0.0	0	NDF	LTS+	0.2	SPEC-INT	13R
73	87	00208	510UL	8.3	172	DNT	LTS+	0.0	510-MIZ30	13R
73	130	00388	510UL	0.2	88	NQI	12S-	0.8	510-MIZ30	13R
		00412	520HF	0.0	0	NDF	12S-	0.8	SPEC-INT	13R
74	21	00090	510UL	0.1	95	NQI	05S-	0.9	510-MIZ30	13R
		00376	520HF	1.1	0	WAR 15	05S-	0.7	SPEC-INT	13R
74	44	00118	510UL	0.2	83	NQI	15S+	41.5	510-MIZ30	13R
		00283	520HF	0.0	0	NDF	UTS	-4.9	SPEC-INT	13R
		00317	520HF	0.0	0	PRA	UTS	-4.9	SPEC-INT	13R
74	45	00120	510UL	0.3	105	NQI	15S+	41.3	510-MIZ30	13R
		00283	520HF	0.0	0	NDF	UTS	-5.1	SPEC-INT	13R
		00317	520HF	0.0	0	PRA	UTS	-5.1	SPEC-INT	13R
74	46	00118	510UL	0.4	111	NQI	15S+	41.2	510-MIZ30	13R
		00283	520HF	0.0	0	NDF	UTS	-5.2	SPEC-INT	13R
		00317	520HF	0.0	0	PRA	UTS	-4.8	SPEC-INT	13R
		00118	510UL	3.1	166	DNT	UTS+	0.0	510-MIZ30	13R
74	47	00120	510UL	0.3	100	NQI	15S+	41.3	510-MIZ30	13R
		00283	520HF	0.0	0	NDF	UTS	-5.1	SPEC-INT	13R
		00317	520HF	0.0	0	PRA	UTS	-5.1	SPEC-INT	13R
74	48	00118	510UL	0.4	91	NQI	15S+	41.3	510-MIZ30	13R
		00283	520HF	0.0	0	NDF	UTS	-5.1	SPEC-INT	13R
		00317	520HF	0.0	0	PRA	UTS	-5.1	SPEC-INT	13R
		00118	510UL	3.0	166	DNT	UTS+	0.0	510-MIZ30	13R
74	50	00118	510UL	2.5	171	DNT	UTS+	0.0	510-MIZ30	13R
74	52	00118	510UL	3.0	170	DNT	UTS+	0.0	510-MIZ30	13R
74	54	00118	510UL	2.7	164	DNT	UTS+	0.0	510-MIZ30	13R
74	56	00295	540HF	0.3	192	INR	14S+	0.0	540-MIZ30	13R
		00295	540HF	0.6	7	INR	14S+	2.3	540-MIZ30	13R
		00295	540HF	2.8	169	DNT	UTS+	0.1	540-MIZ30	13R
74	57	00019	510UL	2.8	170	DNT	UTS-	0.2	510-MIZ30	13R
74	58	00017	510UL	2.7	170	DNT	UTS+	0.1	510-MIZ30	13R
74	62	00017	510UL	2.9	174	DNT	UTS+	0.1	510-MIZ30	13R
74	63	00024	520HF	0.0	0	NDF	LTS+	2.0	SPEC-INT	13R
		00017	510UL	0.3	74	NQI	LTS+	2.0	510-MIZ30	13R
74	64	00019	510UL	3.1	169	DNT	UTS-	0.1	510-MIZ30	13R
74	65	00069	520HF	0.5	0	WAR 8	14S+	0.8	SPEC-INT	13R
		00017	510UL	0.3	56	NQI	14S+	0.8	510-MIZ30	13R
74	68	00005	510UL	3.0	164	DNT	LTS-	0.5	510-MIZ30	13R
74	69	00024	520HF	0.0	0	NDF	LTS+	0.0	SPEC-INT	13R
		00003	510UL	17.1	169	DNT	LTS+	0.0	510-MIZ30	13R
74	70	00026	520HF	0.0	0	NDF	LTS+	0.0	SPEC-INT	13R
		00005	510UL	23.0	170	DNT	LTS+	0.0	510-MIZ30	13R
74	71	00208	510UL	3.0	168	DNT	LTS-	0.1	510-MIZ30	13R
74	73	00210	510UL	6.6	175	DNT	LTS+	0.0	510-MIZ30	13R
74	75	00210	510UL	12.0	172	DNT	LTS+	0.0	510-MIZ30	13R
74	76	00208	510UL	6.6	177	DNT	LTS-	0.1	510-MIZ30	13R

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74	77	00210	510UL	12.1 167	DNT	LTS+	0.0	510-MIZ30	13R
74	78	00208	510UL	31.1 175	DNT	LTS+	0.1	510-MIZ30	13R
		00323	520HF	0.0 0	NDF	LTS+	0.1	SPEC-INT	13R
74	79	00210	510UL	18.6 169	DNT	LTS+	0.0	510-MIZ30	13R
		00323	520HF	0.0 0	NDF	LTS+	0.0	SPEC-INT	13R
74	80	00208	510UL	13.9 176	DNT	LTS+	0.1	510-MIZ30	13R
74	81	00210	510UL	13.7 169	DNT	LTS+	0.0	510-MIZ30	13R
74	82	00208	510UL	16.5 173	DNT	LTS+	0.0	510-MIZ30	13R
		00323	520HF	0.0 0	NDF	LTS+	0.0	SPEC-INT	13R
75	3	00400	540HF	0.5 94	NQI	05S-	0.8	540-MIZ30	13R
		00422	520HF	1.5 79	WAR 21	05S-	0.7	SPEC-INT	13R
		00400	540HF	0.4 179	INR	14S+	0.2	540-MIZ30	13R
75	4	00088	510UL	0.1 73	NQI	14S+	0.1	510-MIZ30	13R
		00376	520HF	0.0 0	NDF	14S+	0.1	SPEC-INT	13R
		00376	520HF	1.0 0	WAR 14	14S+	0.6	SPEC-INT	13R
75	17	00090	510UL	0.2 72	NQI	13S+	0.4	510-MIZ30	13R
		00376	520HF	1.5 0	WAR 19	13S+	0.5	SPEC-INT	13R
75	20	00088	510UL	0.2 25	INR	07S+	21.9	510-MIZ30	13R
75	36	00118	510UL	2.9 173	DNT	UTS+	0.0	510-MIZ30	13R
75	37	00120	510UL	0.3 93	NQI	06S-	0.8	510-MIZ30	13R
		00317	520HF	1.5 0	WAR 15	06S-	0.7	SPEC-INT	13R
75	38	00118	510UL	3.2 167	DNT	UTS+	0.0	510-MIZ30	13R
75	40	00118	510UL	0.4 38	NQI	06S-	0.8	510-MIZ30	13R
		00317	520HF	1.6 0	WAR 15	06S-	0.8	SPEC-INT	13R
		00118	510UL	2.6 176	DNT	UTS+	0.0	510-MIZ30	13R
75	42	00118	510UL	2.5 164	DNT	UTS+	0.0	510-MIZ30	13R
75	44	00118	510UL	2.6 167	DNT	UTS+	0.0	510-MIZ30	13R
75	46	00118	510UL	3.8 167	DNT	UTS+	0.0	510-MIZ30	13R
75	48	00118	510UL	3.1 168	DNT	UTS+	0.0	510-MIZ30	13R
75	50	00118	510UL	2.7 171	DNT	UTS+	0.0	510-MIZ30	13R
75	52	00118	510UL	2.6 171	DNT	UTS+	0.0	510-MIZ30	13R
75	54	00118	510UL	2.7 171	DNT	UTS+	0.0	510-MIZ30	13R
75	57	00017	510UL	3.0 176	DNT	UTS+	0.1	510-MIZ30	13R
75	59	00017	510UL	2.9 175	DNT	UTS+	0.1	510-MIZ30	13R
75	60	00017	510UL	2.8 178	DNT	UTS+	0.1	510-MIZ30	13R
75	61	00017	510UL	3.2 176	DNT	UTS+	0.1	510-MIZ30	13R
75	62	00019	510UL	3.3 176	DNT	UTS-	0.1	510-MIZ30	13R
75	63	00017	510UL	3.4 179	DNT	UTS+	0.1	510-MIZ30	13R
75	64	00019	510UL	4.8 178	DNT	06S+	14.2	510-MIZ30	13R
		00069	520HF	0.0 0	NDF	06S+	14.2	SPEC-INT	13R
		00019	510UL	2.8 164	DNT	UTS-	0.1	510-MIZ30	13R
75	69	00005	510UL	6.7 169	DNT	LTS+	0.0	510-MIZ30	13R
75	70	00024	520HF	0.0 0	NDF	LTS+	0.0	SPEC-INT	13R
		00003	510UL	38.6 169	DNT	LTS+	0.0	510-MIZ30	13R
75	71	00026	520HF	0.0 0	NDF	LTS+	0.0	SPEC-INT	13R
		00005	510UL	22.2 170	DNT	LTS+	0.0	510-MIZ30	13R
75	72	00208	510UL	7.5 175	DNT	LTS-	0.2	510-MIZ30	13R
75	74	00208	510UL	11.9 178	DNT	LTS-	0.1	510-MIZ30	13R
75	75	00210	510UL	10.6 173	DNT	LTS-	0.0	510-MIZ30	13R
75	76	00208	510UL	8.8 175	DNT	LTS-	0.1	510-MIZ30	13R

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75	77	00210	510UL	13.6 173	DNT	LTS+ 0.0	510-MIZ30	13R
75	78	00208	510UL	14.3 172	DNT	LTS+ 0.1	510-MIZ30	13R
75	79	00210	510UL	41.7 171	DNT	LTS+ 0.0	510-MIZ30	13R
		00323	520HF	0.0 0	NDF	LTS+ 0.0	SPEC-INT	13R
75	80	00208	510UL	15.6 175	DNT	LTS+ 0.1	510-MIZ30	13R
75	81	00210	510UL	15.2 169	DNT	LTS+ 0.0	510-MIZ30	13R
75	82	00208	510UL	12.2 174	DNT	LTS+ 0.1	510-MIZ30	13R
75	83	00210	510UL	4.4 164	DNT	LTS+ 0.0	510-MIZ30	13R
75	95	00359	520HF	0.0 0	NDF	LTS -15.0	SPEC-INT	13R
		00282	510UL	26.1 180	IDC	LTE+ 9.4	510-MIZ30	13R
		00400	540HF	27.0 177	IDC	LTE+ 9.4	540-MIZ30	13R
		00359	520HF	0.0 0	NDF	LTS+ 0.0	SPEC-INT	13R
		00359	520HF	0.0 0	NDF	01S+ 0.0	SPEC-INT	13R
76	68	00005	510UL	3.8 171	DNT	LTS+ 0.0	510-MIZ30	13R
76	69	00024	520HF	0.0 0	NDF	LTS+ 0.0	SPEC-INT	13R
		00003	510UL	40.1 171	DNT	LTS+ 0.0	510-MIZ30	13R
76	70	00026	520HF	0.0 0	NDF	LTS+ 0.0	SPEC-INT	13R
		00005	510UL	47.7 172	DNT	LTS+ 0.0	510-MIZ30	13R
76	71	00208	510UL	13.8 173	DNT	LTS- 0.1	510-MIZ30	13R
76	72	00210	510UL	4.0 171	DNT	LTS- 0.1	510-MIZ30	13R
76	74	00210	510UL	6.2 177	DNT	LTS- 0.3	510-MIZ30	13R
76	75	00208	510UL	4.0 184	DNT	LTS- 0.1	510-MIZ30	13R
76	77	00208	510UL	3.6 179	DNT	LTS- 0.1	510-MIZ30	13R
76	78	00210	510UL	6.5 166	DNT	LTS- 0.0	510-MIZ30	13R
76	79	00208	510UL	6.7 171	DNT	LTS+ 0.1	510-MIZ30	13R
76	80	00210	510UL	7.7 167	DNT	LTS+ 0.0	510-MIZ30	13R
76	81	00208	510UL	12.8 175	DNT	LTS+ 0.0	510-MIZ30	13R
76	82	00210	510UL	9.0 166	DNT	LTS+ 0.0	510-MIZ30	13R
76	123	00382	510UL	2.7 169	DNT	15S- 0.6	510-MIZ30	13R
77	1	00100	510UL	2.7 173	DNT	LTE+ 9.3	510-MIZ30	13R
		00100	510UL	0.2 99	NQI	LTS+ 8.5	510-MIZ30	13R
		00402	520HF	0.0 0	NDF	LTS+ 8.5	SPEC-INT	13R
77	2	00100	510UL	2.6 174	DNT	LTE+ 9.5	510-MIZ30	13R
77	3	00098	510UL	6.9 178	DNT	LTE+ 11.3	510-MIZ30	13R
		00098	510UL	0.3 51	NQI	05S- 0.8	510-MIZ30	13R
		00402	520HF	0.0 0	NDF	05S- 0.8	SPEC-INT	13R
77	10	00100	510UL	8.6 177	DNT	LTE+ 11.3	510-MIZ30	13R
77	17	00098	510UL	2.6 184	DNT	02S+ 25.5	510-MIZ30	13R
77	23	00098	510UL	8.6 178	DNT	LTE+ 11.0	510-MIZ30	13R
77	25	00100	510UL	8.6 177	DNT	LTE+ 11.3	510-MIZ30	13R
77	27	00100	510UL	0.3 60	NQI	03S+ 0.6	510-MIZ30	13R
		00402	520HF	0.6 0	WAR 9	03S+ 0.6	SPEC-INT	13R
77	29	00100	510UL	0.4 96	NQI	06S- 0.8	510-MIZ30	13R
		00402	520HF	0.8 0	WAR 11	06S- 0.7	SPEC-INT	13R
77	36	00328	510UL	3.5 169	DNT	UTS+ 0.0	510-MIZ30	13R
77	37	00334	510UL	2.9 176	DNT	LTE+ 11.3	510-MIZ30	13R
		00334	510UL	2.6 175	DNT	UTS+ 0.1	510-MIZ30	13R
77	39	00328	510UL	3.0 173	DNT	LTE+ 10.8	510-MIZ30	13R
		00328	510UL	4.2 164	DNT	UTS+ 0.0	510-MIZ30	13R
		00402	520HF	0.0 0	NDF	UTS+ 0.0	SPEC-INT	13R

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77	40	00334	510UL	2.9 162	DNT	UTS+ 0.1	510-MIZ30	13R
77	41	00328	510UL	3.5 168	DNT	UTS+ 0.0	510-MIZ30	13R
77	43	00328	510UL	3.8 165	DNT	UTS+ 0.0	510-MIZ30	13R
77	44	00334	510UL	2.6 161	DNT	UTS+ 0.0	510-MIZ30	13R
77	45	00328	510UL	3.0 164	DNT	UTS+ 0.0	510-MIZ30	13R
77	46	00334	510UL	3.2 170	DNT	UTS+ 0.1	510-MIZ30	13R
77	47	00328	510UL	3.5 170	DNT	UTS+ 0.0	510-MIZ30	13R
77	49	00328	510UL	3.6 170	DNT	UTS+ 0.0	510-MIZ30	13R
77	51	00328	510UL	3.1 169	DNT	UTS+ 0.0	510-MIZ30	13R
77	52	00334	510UL	3.0 167	DNT	UTS+ 0.0	510-MIZ30	13R
77	53	00328	510UL	3.0 171	DNT	UTS+ 0.0	510-MIZ30	13R
77	55	00328	510UL	3.6 167	DNT	UTS+ 0.0	510-MIZ30	13R
77	56	00334	510UL	3.1 173	DNT	UTS+ 0.0	510-MIZ30	13R
77	58	00023	510UL	3.0 171	DNT	UTS- 0.3	510-MIZ30	13R
77	60	00023	510UL	3.4 173	DNT	UTS- 0.3	510-MIZ30	13R
77	62	00023	510UL	3.7 174	DNT	UTS- 0.2	510-MIZ30	13R
77	68	00003	510UL	3.1 164	DNT	LTS- 0.1	510-MIZ30	13R
77	69	00024	520HF	0.0 0	NDF	LTS+ 0.0	SPEC-INT	13R
		00005	510UL	24.1 172	DNT	LTS+ 0.0	510-MIZ30	13R
77	70	00024	520HF	0.0 0	NDF	LTS+ 0.0	SPEC-INT	13R
		00003	510UL	35.2 171	DNT	LTS+ 0.0	510-MIZ30	13R
77	71	00026	520HF	0.0 0	NDF	LTS- 0.0	SPEC-INT	13R
		00005	510UL	18.8 173	DNT	LTS- 0.0	510-MIZ30	13R
77	72	00366	510UL	8.1 168	DNT	LTS- 0.2	510-MIZ30	13R
77	77	00104	510UL	4.7 168	DNT	LTS- 0.1	510-MIZ30	13R
77	79	00104	510UL	9.4 167	DNT	LTS+ 0.1	510-MIZ30	13R
77	80	00102	510UL	6.4 173	DNT	LTS+ 0.1	510-MIZ30	13R
77	81	00104	510UL	14.2 169	DNT	LTS+ 0.0	510-MIZ30	13R
77	82	00102	510UL	16.4 168	DNT	LTS+ 0.0	510-MIZ30	13R
		00297	520HF	0.0 0	NDF	LTS+ 0.0	SPEC-INT	13R
77	106	00040	510UL	0.2 97	NQI	05S+ 31.5	510-MIZ30	13R
		00297	520HF	2.3 135	MBM	05S+ 32.5	SPEC-INT	13R
77	107	00297	520HF	0.4 0	WAR 9	13S+ 0.6	SPEC-INT	13R
		00042	510UL	0.3 93	NQI	13S+ 0.6	510-MIZ30	13R
77	113	00040	510UL	0.2 86	NQI	LTE+ 14.9	510-MIZ30	13R
		00297	520HF	0.0 0	NDF	LTE+ 14.9	SPEC-INT	13R
77	122	00078	510UL	0.4 61	NQI	LTE+ 10.6	510-MIZ30	13R
		00305	520HF	0.0 0	NDF	LTE+ 10.6	SPEC-INT	13R
78	3	00098	510UL	5.4 176	DNT	LTE+ 11.4	510-MIZ30	13R
78	4	00098	510UL	10.2 178	DNT	LTE+ 11.1	510-MIZ30	13R
78	6	00100	510UL	11.0 177	DNT	LTE+ 11.7	510-MIZ30	13R
78	7	00098	510UL	11.2 178	DNT	LTE+ 11.3	510-MIZ30	13R
78	8	00100	510UL	8.9 176	DNT	LTE+ 11.3	510-MIZ30	13R
78	9	00098	510UL	7.2 177	DNT	LTE+ 11.9	510-MIZ30	13R
78	24	00100	510UL	7.3 176	DNT	LTE+ 11.5	510-MIZ30	13R
78	35	00328	510UL	2.5 170	DNT	UTS+ 0.0	510-MIZ30	13R
78	42	00168	510UL	2.9 157	DNT	UTS+ 0.0	510-MIZ30	13R
78	44	00168	510UL	3.2 154	DNT	UTS+ 0.0	510-MIZ30	13R
78	45	00166	510UL	2.5 171	DNT	UTS- 0.0	510-MIZ30	13R
78	46	00168	510UL	2.5 158	DNT	UTS+ 0.0	510-MIZ30	13R

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78	47	00328	510UL	3.8 168	DNT	UTS+ 0.0	510-MIZ30	13R
78	48	00334	510UL	2.9 170	DNT	UTS+ 0.0	510-MIZ30	13R
78	49	00328	510UL	3.0 170	DNT	UTS+ 0.0	510-MIZ30	13R
78	51	00328	510UL	3.3 168	DNT	UTS+ 0.0	510-MIZ30	13R
78	53	00328	510UL	2.8 167	DNT	UTS+ 0.0	510-MIZ30	13R
78	56	00334	510UL	2.8 163	DNT	UTS+ 0.0	510-MIZ30	13R
78	59	00024	520HF	0.0 0	NDF	LTS+ 17.8	SPEC-INT	13R
		00021	510UL	0.1 110	NQI	LTS+ 17.8	510-MIZ30	13R
		00021	510UL	0.2 82	NQI	11S -1.0	510-MIZ30	13R
		00069	520HF	0.0 0	NDF	11S -1.0	SPEC-INT	13R
78	60	00023	510UL	2.7 170	DNT	UTS- 0.3	510-MIZ30	13R
78	61	00021	510UL	0.2 97	NQI	15S+ 42.2	510-MIZ30	13R
		00069	520HF	0.0 0	NDF	15S+ 42.2	SPEC-INT	13R
78	62	00023	510UL	3.0 173	DNT	UTS- 0.3	510-MIZ30	13R
78	69	00005	510UL	8.2 169	DNT	LTS+ 0.0	510-MIZ30	13R
78	70	00024	520HF	0.0 0	NDF	LTS+ 0.1	SPEC-INT	13R
		00035	510UL	30.2 172	DNT	LTS+ 0.1	510-MIZ30	13R
78	71	00026	520HF	0.0 0	NDF	LTS+ 0.0	SPEC-INT	13R
		00003	510UL	23.8 170	DNT	LTS+ 0.0	510-MIZ30	13R
78	72	00005	510UL	8.5 171	DNT	LTS+ 0.0	510-MIZ30	13R
78	73	00366	510UL	3.6 170	DNT	LTS+ 0.0	510-MIZ30	13R
78	74	00364	510UL	2.7 166	DNT	LTS- 0.1	510-MIZ30	13R
78	78	00364	510UL	6.3 171	DNT	LTS- 0.0	510-MIZ30	13R
78	79	00364	510UL	6.1 170	DNT	LTS+ 0.0	510-MIZ30	13R
		00349	520HF	0.0 0	NDF	10S -11.1	SPEC-INT	13R
		00364	510UL	2.5 89	ADI	09S+ 28.9	510-MIZ30	13R
78	80	00364	510UL	6.7 166	DNT	LTS+ 0.0	510-MIZ30	13R
78	81	00364	510UL	6.0 166	DNT	LTS+ 0.0	510-MIZ30	13R
78	82	00366	510UL	10.9 169	DNT	LTS+ 0.0	510-MIZ30	13R
78	83	00384	510UL	9.8 169	DNT	LTS- 0.1	510-MIZ30	13R
78	104	00056	510UL	0.2 83	NQI	LTE+ 11.1	510-MIZ30	13R
		00282	510UL	0.3 82	INR	LTE+ 11.1	510-MIZ30	13R
		00297	520HF	0.0 0	NDF	LTE+ 11.1	SPEC-INT	13R
		00056	510UL	0.5 62	NQI	LTE+ 11.6	510-MIZ30	13R
		00282	510UL	0.6 60	INR	LTE+ 11.6	510-MIZ30	13R
		00297	520HF	0.0 0	NDF	LTE+ 11.6	SPEC-INT	13R
78	119	00076	510UL	3.1 189	DNT	06S+ 21.7	510-MIZ30	13R
78	122	00078	510UL	0.3 87	NQI	LTE+ 7.8	510-MIZ30	13R
		00305	520HF	0.0 0	NDF	LTE+ 7.8	SPEC-INT	13R
79	1	00100	510UL	2.7 174	DNT	LTE+ 9.6	510-MIZ30	13R
79	5	00098	510UL	3.0 187	DNT	09S+ 7.4	510-MIZ30	13R
79	13	00402	520HF	1.2 0	WAR 17	13S+ 0.5	SPEC-INT	13R
		00298	510UL	0.3 73	NQI	13S+ 0.7	510-MIZ30	13R
79	15	00298	510UL	0.3 112	NQI	15S+ 38.0	510-MIZ30	13R
		00402	520HF	0.0 0	NDF	15S+ 38.0	SPEC-INT	13R
79	16	00296	510UL	0.3 92	NQI	15S+ 38.0	510-MIZ30	13R
		00408	520HF	0.0 0	NDF	15S+ 38.0	SPEC-INT	13R
79	27	00306	510UL	2.9 169	DNT	UTS+ 0.0	510-MIZ30	13R
79	29	00306	510UL	0.5 78	ADI	15S+ 41.0	510-MIZ30	13R
		00402	520HF	0.0 0	NDF	15S+ 41.0	SPEC-INT	13R

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79	31	00306	510UL	0.2 80	NQI	15S+ 42.8	510-MIZ30	13R
		00402	520HF	0.0 0	NDF	15S+ 42.8	SPEC-INT	13R
79	38	00328	510UL	2.6 174	DNT	UTS+ 0.0	510-MIZ30	13R
79	40	00334	510UL	2.7 172	DNT	LTE+ 10.9	510-MIZ30	13R
79	44	00328	510UL	2.9 158	DNT	UTS+ 0.0	510-MIZ30	13R
79	47	00402	520HF	0.0 0	NDF	04S+ 24.9	SPEC-INT	13R
		00307	540HF	0.3 78	NQI	04S+ 24.9	540-MIZ30	13R
		00307	540HF	2.5 167	DNT	UTS+ 0.1	540-MIZ30	13R
79	48	00166	510UL	3.2 168	DNT	UTS+ 0.0	510-MIZ30	13R
79	49	00168	510UL	2.8 160	DNT	UTS+ 0.0	510-MIZ30	13R
79	50	00328	510UL	2.7 161	DNT	UTS+ 0.0	510-MIZ30	13R
79	52	00328	510UL	2.9 164	DNT	UTS+ 0.0	510-MIZ30	13R
79	54	00328	510UL	2.5 168	DNT	UTS+ 0.0	510-MIZ30	13R
79	65	00024	520HF	0.0 0	NDF	LTS+ 2.1	SPEC-INT	13R
		00021	510UL	0.6 90	NQI	LTS+ 2.1	510-MIZ30	13R
79	67	00021	510UL	0.4 55	INR	LTS+ 2.0	510-MIZ30	13R
79	73	00005	510UL	7.3 170	DNT	LTS+ 0.0	510-MIZ30	13R
79	74	00003	510UL	15.4 168	DNT	LTS+ 0.0	510-MIZ30	13R
79	75	00005	510UL	3.3 169	DNT	LTS+ 0.0	510-MIZ30	13R
79	76	00384	510UL	5.3 174	DNT	LTS+ 0.0	510-MIZ30	13R
79	77	00366	510UL	4.3 173	DNT	LTS+ 0.0	510-MIZ30	13R
79	80	00366	510UL	2.6 157	DNT	LTS- 0.1	510-MIZ30	13R
79	81	00366	510UL	2.7 162	DNT	LTS+ 0.0	510-MIZ30	13R
79	82	00366	510UL	4.3 168	DNT	LTS+ 0.0	510-MIZ30	13R
79	83	00366	510UL	7.0 168	DNT	LTS+ 0.1	510-MIZ30	13R
79	84	00366	510UL	8.3 168	DNT	LTS+ 0.0	510-MIZ30	13R
79	85	00366	510UL	12.2 169	DNT	LTS+ 0.0	510-MIZ30	13R
79	86	00366	510UL	7.6 169	DNT	LTS+ 0.0	510-MIZ30	13R
79	87	00366	510UL	4.3 171	DNT	LTS+ 0.0	510-MIZ30	13R
79	108	00060	510UL	0.5 40	NQI	LTE+ 16.9	510-MIZ30	13R
		00305	520HF	0.0 0	NDF	LTE+ 16.9	SPEC-INT	13R
79	110	00060	510UL	0.3 96	NQI	LTE+ 15.9	510-MIZ30	13R
		00305	520HF	0.0 0	NDF	LTE+ 15.9	SPEC-INT	13R
79	112	00060	510UL	0.2 89	NQI	LTE+ 21.4	510-MIZ30	13R
		00305	520HF	0.0 0	NDF	LTE+ 21.4	SPEC-INT	13R
79	126	00076	510UL	0.2 83	NQI	LTE+ 10.8	510-MIZ30	13R
		00305	520HF	0.0 0	NDF	LTE+ 10.8	SPEC-INT	13R
79	128	00076	510UL	0.4 86	NQI	LTE+ 21.0	510-MIZ30	13R
		00305	520HF	0.0 0	NDF	LTE+ 21.0	SPEC-INT	13R
		00076	510UL	0.3 87	NQI	LTE+ 21.9	510-MIZ30	13R
		00305	520HF	0.0 0	NDF	LTE+ 21.9	SPEC-INT	13R
		00076	510UL	0.2 81	NQI	LTE+ 22.3	510-MIZ30	13R
		00305	520HF	0.0 0	NDF	LTE+ 22.3	SPEC-INT	13R
80	11	00098	510UL	0.2 70	NQI	09S- 0.4	510-MIZ30	13R
		00402	520HF	0.6 0	WAR 9	09S- 0.3	SPEC-INT	13R
80	12	00402	520HF	1.4 0	WAR 17	09S- 0.3	SPEC-INT	13R
		00307	540HF	0.3 91	NQI	09S- 0.3	540-MIZ30	13R
80	21	00306	510UL	6.1 175	DNT	LTE+ 11.4	510-MIZ30	13R
		00306	510UL	0.1 73	NQI	UTS+ 3.6	510-MIZ30	13R
		00408	520HF	0.0 0	NDF	UTS+ 3.6	SPEC-INT	13R

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80	22	00304	510UL	5.0 179	DNT	LTE+ 11.1	510-MIZ30	13R
80	23	00306	510UL	15.1 178	DNT	UTS- 0.1	510-MIZ30	13R
		00408	520HF	0.0 0	NDF	UTS- 0.1	SPEC-INT	13R
80	25	00306	510UL	3.0 183	DNT	03S+ 0.0	510-MIZ30	13R
80	35	00328	510UL	2.7 165	DNT	UTS+ 0.0	510-MIZ30	13R
80	43	00168	510UL	2.8 157	DNT	UTS+ 0.0	510-MIZ30	13R
80	*50*	*00420*	*520HF*	*0.4 76*	*PID*	*15S+ 29.0*	*SPEC-INT*	*13R*
		00408	*520HF*	*4.7 0*	*LEN*	*15S+ 29.0*	*SPEC-INT*	*13R*
		00408	*520HF*	*0.5 78*	*SAI*	*15S+ 29.0*	*SPEC-INT*	*13R*
		00361	*520HF*	*0.2 114*	*SAI*	*15S+ 29.3*	*SPEC-INT*	*13R*
		00361	*520HF*	*4.6 0*	*LEN*	*15S+ 29.3*	*SPEC-INT*	*13R*
		00426	*510UL*	*0.1 110*	*13*	*15S+ 29.4*	*510-MIZ30*	*13R*
		00426	*510UL*	*0.3 70*	*NQI*	*15S+ 29.5*	*510-MIZ30*	*13R*
		00334	*510UL*	*0.1 95*	*OD 29*	*15S+ 29.5*	*510-MIZ30*	*13R*
		00334	*510UL*	*0.4 95*	*NQI*	*15S+ 29.5*	*510-MIZ30*	*13R*
		00426	*510UL*	*0.2 101*	*OD 25*	*15S+ 29.8*	*510-MIZ30*	*13R*
		00426	*510UL*	*0.3 63*	*OD 68*	*15S+ 30.3*	*510-MIZ30*	*13R*
		00334	*510UL*	*0.2 87*	*OD 38*	*15S+ 30.6*	*510-MIZ30*	*13R*
		00426	*510UL*	*0.2 74*	*OD 57*	*15S+ 30.8*	*510-MIZ30*	*13R*
		00334	*510UL*	*0.1 82*	*OD 44*	*15S+ 31.1*	*510-MIZ30*	*13R*
		00426	*510UL*	*0.3 70*	*OD 61*	*15S+ 31.3*	*510-MIZ30*	*13R*
		00334	*510UL*	*0.1 79*	*47*	*15S+ 31.6*	*510-MIZ30*	*13R*
		00334	*510UL*	*0.2 105*	*OD 18*	*15S+ 31.8*	*510-MIZ30*	*13R*
		00426	*510UL*	*0.2 90*	*OD 38*	*15S+ 31.9*	*510-MIZ30*	*13R*
		00334	*510UL*	*0.1 84*	*42*	*15S+ 32.2*	*510-MIZ30*	*13R*
		00334	*510UL*	*0.2 82*	*OD 44*	*15S+ 32.5*	*510-MIZ30*	*13R*
		00426	*510UL*	*0.2 94*	*OD 33*	*15S+ 32.7*	*510-MIZ30*	*13R*
		00334	*510UL*	*0.2 96*	*OD 28*	*15S+ 33.1*	*510-MIZ30*	*13R*
		00426	*510UL*	*0.1 104*	*OD 21*	*15S+ 33.3*	*510-MIZ30*	*13R*
		00426	*510UL*	*0.2 68*	*OD 63*	*15S+ 33.8*	*510-MIZ30*	*13R*
		00334	*510UL*	*0.4 92*	*OD 32*	*15S+ 33.8*	*510-MIZ30*	*13R*
		00426	*510UL*	*0.2 63*	*OD 68*	*15S+ 34.7*	*510-MIZ30*	*13R*
80	51	00328	510UL	2.8 167	DNT	UTS+ 0.0	510-MIZ30	13R
80	54	00334	510UL	0.9 83	INR	08S+ 13.8	510-MIZ30	13R
		00334	510UL	1.1 98	INR	10S+ 28.9	510-MIZ30	13R
80	66	00024	520HF	0.0 0	NDF	LTS+ 2.0	SPEC-INT	13R
		00021	510UL	0.2 92	NQI	LTS+ 2.0	510-MIZ30	13R
		00021	510UL	0.1 95	NQI	14S- 0.0	510-MIZ30	13R
		00069	520HF	0.0 0	NDF	14S- 0.0	SPEC-INT	13R
80	67	00023	510UL	2.5 172	DNT	UTS- 0.3	510-MIZ30	13R
80	74	00035	510UL	2.7 163	DNT	LTS+ 0.1	510-MIZ30	13R
80	75	00035	510UL	9.2 172	DNT	LTS+ 0.0	510-MIZ30	13R
80	76	00035	510UL	4.4 171	DNT	LTS+ 0.0	510-MIZ30	13R
80	77	00366	510UL	6.6 173	DNT	LTS+ 0.0	510-MIZ30	13R
80	78	00366	510UL	5.5 175	DNT	LTS- 0.1	510-MIZ30	13R
80	79	00366	510UL	8.3 172	DNT	LTS- 0.0	510-MIZ30	13R
80	80	00366	510UL	3.2 177	DNT	LTS- 0.1	510-MIZ30	13R
80	81	00366	510UL	3.4 167	DNT	LTS+ 0.0	510-MIZ30	13R
80	83	00366	510UL	2.5 162	DNT	LTS+ 0.0	510-MIZ30	13R
80	84	00366	510UL	3.9 169	DNT	LTS+ 0.0	510-MIZ30	13R

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80	85	00366	510UL	6.5 169	DNT	LTS+ 0.0	510-MIZ30	13R
80	86	00366	510UL	8.0 169	DNT	LTS+ 0.0	510-MIZ30	13R
80	87	00366	510UL	7.4 168	DNT	LTS+ 0.0	510-MIZ30	13R
80	88	00366	510UL	8.1 169	DNT	LTS+ 0.0	510-MIZ30	13R
80	98	00060	510UL	0.2 36	NQI	02S+ 6.1	510-MIZ30	13R
		00305	520HF	0.0 0	NDF	02S+ 6.1	SPEC-INT	13R
		00060	510UL	0.6 64	ADI	02S+ 8.6	510-MIZ30	13R
		00305	520HF	0.0 0	NDF	02S+ 8.6	SPEC-INT	13R
80	104	00060	510UL	1.4 180	INR	05S+ 7.4	510-MIZ30	13R
81	6	00098	510UL	7.1 176	DNT	LTE+ 10.8	510-MIZ30	13R
81	7	00100	510UL	6.7 177	DNT	LTE+ 11.1	510-MIZ30	13R
81	13	00306	510UL	0.2 93	NQI	05S- 0.7	510-MIZ30	13R
		00402	520HF	1.5 0	WAR 20	05S- 0.7	SPEC-INT	13R
81	14	00304	510UL	0.1 155	INR	09S- 0.1	510-MIZ30	13R
81	15	00306	510UL	0.2 75	NQI	09S+ 0.1	510-MIZ30	13R
		00408	520HF	0.4 0	WAR 7	09S+ 0.1	SPEC-INT	13R
81	17	00306	510UL	0.1 63	INR	10S+ 34.3	510-MIZ30	13R
81	21	00304	510UL	4.4 177	DNT	LTE+ 11.3	510-MIZ30	13R
81	23	00306	510UL	6.0 175	DNT	LTE+ 10.5	510-MIZ30	13R
81	31	00306	510UL	1.1 74	INR	01S+ 32.9	510-MIZ30	13R
		00306	510UL	13.8 177	DNT	UTS- 0.2	510-MIZ30	13R
		00402	520HF	0.0 0	NDF	UTS- 0.2	SPEC-INT	13R
81	74	00005	510UL	3.1 164	DNT	LTS+ 0.1	510-MIZ30	13R
81	75	00036	520HF	0.0 0	NDF	LTE+ 19.0	SPEC-INT	13R
		00003	510UL	0.3 109	NQI	LTE+ 19.0	510-MIZ30	13R
		00003	510UL	3.5 169	DNT	LTS- 0.1	510-MIZ30	13R
81	76	00005	510UL	4.2 175	DNT	LTS+ 0.0	510-MIZ30	13R
81	77	00102	510UL	8.4 173	DNT	LTS- 0.1	510-MIZ30	13R
81	78	00104	510UL	13.2 174	DNT	LTS- 0.1	510-MIZ30	13R
81	79	00102	510UL	4.6 169	DNT	LTS- 0.1	510-MIZ30	13R
81	80	00104	510UL	3.5 172	DNT	LTS- 0.1	510-MIZ30	13R
81	84	00104	510UL	5.7 167	DNT	LTS+ 0.0	510-MIZ30	13R
81	85	00102	510UL	6.3 160	DNT	LTS- 0.0	510-MIZ30	13R
81	86	00104	510UL	4.7 164	DNT	LTS- 0.0	510-MIZ30	13R
		00104	510UL	0.1 72	INR	05S+ 0.3	510-MIZ30	13R
81	87	00102	510UL	7.4 160	DNT	LTS- 0.0	510-MIZ30	13R
81	88	00104	510UL	5.8 169	DNT	LTS- 0.1	510-MIZ30	13R
81	104	00062	510UL	0.3 88	NQI	14S+ 4.7	510-MIZ30	13R
		00305	520HF	0.0 0	NDF	14S+ 4.7	SPEC-INT	13R
81	106	00062	510UL	0.2 78	NQI	15S+ 42.4	510-MIZ30	13R
		00347	520HF	0.0 0	NDF	UTS -4.0	SPEC-INT	13R
81	120	00062	510UL	0.2 77	NQI	LTE+ 14.2	510-MIZ30	13R
		00305	520HF	0.0 0	NDF	LTE+ 14.2	SPEC-INT	13R
81	121	00060	510UL	0.4 95	NQI	LTE+ 14.1	510-MIZ30	13R
		00347	520HF	0.0 0	NDF	LTS -9.9	SPEC-INT	13R
		00060	510UL	0.3 86	NQI	LTE+ 15.8	510-MIZ30	13R
		00305	520HF	0.0 0	NDF	LTE+ 15.8	SPEC-INT	13R
81	124	00078	510UL	0.5 84	NQI	LTE+ 12.3	510-MIZ30	13R
		00305	520HF	0.0 0	NDF	LTE+ 12.3	SPEC-INT	13R
81	127	00076	510UL	0.2 74	NQI	LTE+ 7.6	510-MIZ30	13R

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		00305	520HF	0.0	0	NDF	LTE+	7.6	SPEC-INT	13R
81	128	00078	510UL	0.2	88	NQI	LTE+	16.9	510-MIZ30	13R
		00305	520HF	0.0	0	NDF	LTE+	16.9	SPEC-INT	13R
81	131	00076	510UL	0.1	76	NQI	11S+	0.2	510-MIZ30	13R
		00313	520HF	0.0	0	NDF	11S+	0.2	SPEC-INT	13R
82	7	00100	510UL	5.9	176	DNT	LTE+	10.6	510-MIZ30	13R
82	14	00408	520HF	1.5	0	WAR 23	06S+	0.8	SPEC-INT	13R
		00307	540HF	0.6	81	NQI	06S+	0.8	540-MIZ30	13R
82	21	00306	510UL	6.5	174	DNT	LTE+	11.0	510-MIZ30	13R
82	22	00304	510UL	6.3	177	DNT	LTE+	10.9	510-MIZ30	13R
82	30	00304	510UL	1.6	92	INR	15S+	29.4	510-MIZ30	13R
82	37	00168	510UL	0.3	46	NQI	04S+	0.7	510-MIZ30	13R
		00315	520HF	0.4	0	WAR 9	04S+	0.7	SPEC-INT	13R
82	43	00168	510UL	0.3	84	NQI	08S-	0.8	510-MIZ30	13R
		00315	520HF	0.0	0	NDF	08S-	0.8	SPEC-INT	13R
82	44	00166	510UL	0.4	147	INR	08S+	37.5	510-MIZ30	13R
82	47	00168	510UL	0.5	66	NQI	08S-	0.8	510-MIZ30	13R
		00315	520HF	0.4	0	WAR 8	08S-	0.6	SPEC-INT	13R
82	48	00328	510UL	0.4	39	NQI	04S+	0.7	510-MIZ30	13R
		00408	520HF	0.5	0	WAR 10	04S+	0.8	SPEC-INT	13R
82	74	00003	510UL	3.0	164	DNT	LTS-	0.0	510-MIZ30	13R
82	75	00005	510UL	4.0	178	DNT	LTS+	0.0	510-MIZ30	13R
82	76	00104	510UL	8.9	173	DNT	LTS+	0.0	510-MIZ30	13R
82	77	00102	510UL	12.4	175	DNT	LTS-	0.1	510-MIZ30	13R
82	78	00104	510UL	13.7	174	DNT	LTS-	0.1	510-MIZ30	13R
82	79	00102	510UL	5.3	177	DNT	LTS-	0.1	510-MIZ30	13R
82	80	00104	510UL	3.2	177	DNT	LTS-	0.1	510-MIZ30	13R
82	83	00102	510UL	3.3	156	DNT	LTS+	0.0	510-MIZ30	13R
82	84	00104	510UL	4.3	165	DNT	LTS-	0.1	510-MIZ30	13R
82	85	00102	510UL	3.1	151	DNT	LTS-	0.1	510-MIZ30	13R
82	86	00104	510UL	5.7	167	DNT	LTS-	0.0	510-MIZ30	13R
82	87	00102	510UL	4.6	156	DNT	LTS-	0.0	510-MIZ30	13R
82	88	00104	510UL	5.8	170	DNT	LTS-	0.1	510-MIZ30	13R
82	119	00062	510UL	0.4	91	NQI	LTE+	12.9	510-MIZ30	13R
		00305	520HF	0.0	0	NDF	LTE+	12.9	SPEC-INT	13R
82	120	00060	510UL	0.1	75	NQI	06S+	17.3	510-MIZ30	13R
		00305	520HF	0.0	0	NDF	06S+	17.3	SPEC-INT	13R
83	6	00100	510UL	5.9	176	DNT	LTE+	10.8	510-MIZ30	13R
83	7	00098	510UL	6.0	174	DNT	LTE+	11.1	510-MIZ30	13R
		00098	510UL	3.9	182	DNT	LTS+	20.4	510-MIZ30	13R
83	21	00306	510UL	1.7	85	INR	06S+	2.7	510-MIZ30	13R
83	25	00306	510UL	0.6	94	INR	02S+	35.0	510-MIZ30	13R
83	32	00304	510UL	0.1	107	INR	UTS+	3.0	510-MIZ30	13R
83	35	00304	510UL	0.4	115	INR	07S+	25.6	510-MIZ30	13R
83	39	00168	510UL	0.3	80	NQI	04S+	0.7	510-MIZ30	13R
		00315	520HF	0.6	0	WAR 12	04S+	0.7	SPEC-INT	13R
83	47	00168	510UL	0.3	65	NQI	08S-	0.8	510-MIZ30	13R
		00315	520HF	0.0	0	NDF	08S-	0.8	SPEC-INT	13R
83	72	00023	510UL	3.2	165	DNT	LTS+	0.0	510-MIZ30	13R
83	73	00021	510UL	4.0	162	DNT	LTS+	0.0	510-MIZ30	13R

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83	74	00003	510UL	4.6 168	DNT	LTS+ 0.0	510-MIZ30	13R
83	75	00005	510UL	3.2 174	DNT	LTS+ 0.1	510-MIZ30	13R
83	76	00003	510UL	3.7 173	DNT	LTS- 0.1	510-MIZ30	13R
83	77	00005	510UL	8.7 174	DNT	LTS+ 0.0	510-MIZ30	13R
83	78	00110	510UL	1.8 178	INR	LTE+ 21.0	510-MIZ30	13R
		00110	510UL	8.8 173	DNT	LTS- 0.0	510-MIZ30	13R
83	79	00112	510UL	8.8 172	DNT	LTS- 0.0	510-MIZ30	13R
83	80	00110	510UL	0.2 95	NQI	LTE+ 9.0	510-MIZ30	13R
		00315	520HF	0.0 0	NDF	LTE+ 9.0	SPEC-INT	13R
		00110	510UL	7.2 173	DNT	LTS+ 0.0	510-MIZ30	13R
83	82	00110	510UL	2.7 153	DNT	LTS+ 0.0	510-MIZ30	13R
83	83	00112	510UL	2.9 174	DNT	LTS+ 0.0	510-MIZ30	13R
83	84	00110	510UL	2.8 165	DNT	LTS+ 0.0	510-MIZ30	13R
83	85	00112	510UL	3.4 168	DNT	LTS- 0.1	510-MIZ30	13R
83	87	00112	510UL	2.7 167	DNT	LTS- 0.1	510-MIZ30	13R
83	88	00110	510UL	5.3 165	DNT	LTS- 0.0	510-MIZ30	13R
83	90	00110	510UL	0.1 110	NQI	08S+ 26.6	510-MIZ30	13R
		00311	520HF	0.0 0	NDF	08S+ 26.6	SPEC-INT	13R
83	113	00070	510UL	0.3 68	NQI	07S- 0.5	510-MIZ30	13R
		00305	520HF	0.9 0	WAR 11	07S- 0.4	SPEC-INT	13R
84	20	00304	510UL	2.1 89	ADI	LTS+ 22.0	510-MIZ30	13R
		00408	520HF	0.0 0	NDF	LTS+ 22.0	SPEC-INT	13R
84	26	00304	510UL	0.2 84	NQI	09S+ 0.7	510-MIZ30	13R
		00402	520HF	0.0 0	NDF	09S+ 0.7	SPEC-INT	13R
84	**66**	00057	520HF	0.3 32	VOL	ETL- 0.9	KET12	13R
		00057	520HF	Cr 0.16	Ax 0.17	ETL- 0.9	KET12	13R
84	71	00039	540HF	3.3 166	DNT	LTS+ 0.0	540-MIZ30	13R
		00039	540HF	0.3 26	BVC	14S+ 24.9	540-MIZ30	13R
		00069	520HF	0.0 0	NDF	14S+ 24.9	SPEC-INT	13R
84	72	00024	520HF	0.0 0	NDF	LTS- 0.0	SPEC-INT	13R
		00021	510UL	19.8 169	DNT	LTS- 0.0	510-MIZ30	13R
84	73	00003	510UL	14.8 169	DNT	LTS+ 0.0	510-MIZ30	13R
84	74	00005	510UL	2.9 176	DNT	LTS+ 0.0	510-MIZ30	13R
84	75	00003	510UL	3.8 173	DNT	LTS+ 0.0	510-MIZ30	13R
84	76	00005	510UL	7.0 176	DNT	LTS+ 0.0	510-MIZ30	13R
84	77	00112	510UL	6.9 172	DNT	LTS- 0.0	510-MIZ30	13R
		00112	510UL	4.9 189	DNT	02S+ 24.1	510-MIZ30	13R
		00315	520HF	0.0 0	NDF	02S+ 24.1	SPEC-INT	13R
		00112	510UL	4.4 189	DNT	02S+ 33.8	510-MIZ30	13R
		00315	520HF	0.0 0	NDF	02S+ 33.8	SPEC-INT	13R
84	78	00110	510UL	6.4 177	DNT	LTS- 0.2	510-MIZ30	13R
84	79	00112	510UL	7.5 175	DNT	LTS- 0.1	510-MIZ30	13R
		00112	510UL	2.6 355	INR	LTS+ 0.3	510-MIZ30	13R
84	83	00112	510UL	0.2 81	NQI	UTS+ 0.6	510-MIZ30	13R
		00315	520HF	0.0 0	NDF	UTS+ 0.6	SPEC-INT	13R
84	84	00110	510UL	3.2 168	DNT	LTS+ 0.0	510-MIZ30	13R
84	87	00112	510UL	3.0 172	DNT	LTS+ 0.0	510-MIZ30	13R
84	94	00110	510UL	3.2 184	DNT	LTE+ 12.8	510-MIZ30	13R
84	109	00311	520HF	0.8 85	WAR 12	07S- 0.7	SPEC-INT	13R
		00070	510UL	0.3 102	NQI	07S- 0.5	510-MIZ30	13R

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84	111	00070	510UL	0.2	82	NQI	05S-	0.1	510-MIZ30	13R
		00311	520HF	0.0	0	NDF	05S-	0.1	SPEC-INT	13R
85	9	00306	510UL	0.9	99	INR	02S+	18.3	510-MIZ30	13R
85	27	00306	510UL	0.4	130	INR	LTS-	0.2	510-MIZ30	13R
85	28	00304	510UL	1.6	83	ADI	07S+	15.1	510-MIZ30	13R
		00402	520HF	0.0	0	NDF	07S+	15.1	SPEC-INT	13R
85	29	00306	510UL	0.3	21	INR	12S+	17.3	510-MIZ30	13R
85	56	00021	510UL	0.7	103	NQI	03S+	35.1	510-MIZ30	13R
		00036	520HF	0.4	37	MBM	03S+	35.2	SPEC-INT	13R
85	64	00021	510UL	8.1	166	DNT	LTS+	0.1	510-MIZ30	13R
85	65	00023	510UL	9.5	167	DNT	LTS-	0.1	510-MIZ30	13R
85	69	00023	510UL	8.8	165	DNT	LTS-	0.1	510-MIZ30	13R
85	70	00016	520HF	0.0	0	NDF	LTS-	0.1	LTS-KIDNEY	13R
		00021	510UL	27.5	169	DNT	LTS-	0.1	510-MIZ30	13R
85	71	00002	520HF	0.0	0	NDF	LTS-	0.1	LTS-KIDNEY	13R
		00023	510UL	40.5	169	DNT	LTS-	0.1	510-MIZ30	13R
85	72	00004	520HF	0.0	0	NDF	LTS-	0.1	LTS-KIDNEY	13R
		00021	510UL	20.0	168	DNT	LTS-	0.1	510-MIZ30	13R
85	73	00003	510UL	2.8	165	DNT	LTS-	0.2	510-MIZ30	13R
85	74	00005	510UL	3.6	177	DNT	LTS+	0.0	510-MIZ30	13R
85	75	00003	510UL	5.9	174	DNT	LTS-	0.1	510-MIZ30	13R
85	76	00005	510UL	11.9	172	DNT	LTS-	0.0	510-MIZ30	13R
		00005	510UL	0.2	184	INF	LTS+	1.5	510-MIZ30	13R
85	77	00110	510UL	7.6	176	DNT	LTS-	0.2	510-MIZ30	13R
85	78	00112	510UL	5.9	176	DNT	LTS-	0.2	510-MIZ30	13R
85	83	00110	510UL	2.8	174	DNT	LTS+	0.0	510-MIZ30	13R
85	86	00112	510UL	2.5	171	DNT	LTS-	0.1	510-MIZ30	13R
85	87	00110	510UL	2.5	165	DNT	LTS-	0.0	510-MIZ30	13R
85	94	00112	510UL	2.9	176	DNT	14S+	2.5	510-MIZ30	13R
85	124	00076	510UL	0.3	100	NQI	08S-	0.6	510-MIZ30	13R
		00311	520HF	1.3	0	WAR 18	08S-	0.6	SPEC-INT	13R
86	5	00098	510UL	2.5	180	DNT	LTE+	8.0	510-MIZ30	13R
86	47	00168	510UL	0.1	84	NQI	01S+	21.1	510-MIZ30	13R
		00315	520HF	0.0	0	NDF	01S+	21.1	SPEC-INT	13R
86	50	00328	510UL	0.5	148	INR	03S+	5.6	510-MIZ30	13R
		00328	510UL	0.8	177	INR	05S+	27.1	510-MIZ30	13R
86	63	00023	510UL	0.1	112	NQI	08S+	24.5	510-MIZ30	13R
		00069	520HF	0.0	0	NDF	08S+	24.5	SPEC-INT	13R
86	64	00021	510UL	5.8	169	DNT	LTS-	0.0	510-MIZ30	13R
86	65	00023	510UL	14.2	168	DNT	LTS-	0.1	510-MIZ30	13R
86	66	00021	510UL	13.7	168	DNT	LTS+	0.0	510-MIZ30	13R
86	67	00023	510UL	8.9	167	DNT	LTS+	0.0	510-MIZ30	13R
86	68	00021	510UL	6.1	166	DNT	LTS+	0.0	510-MIZ30	13R
86	69	00023	510UL	13.7	167	DNT	LTS-	0.1	510-MIZ30	13R
86	70	00002	520HF	0.0	0	NDF	LTS+	0.0	LTS-KIDNEY	13R
		00021	510UL	28.6	168	DNT	LTS+	0.0	510-MIZ30	13R
86	71	00004	520HF	0.0	0	NDF	LTS-	0.1	LTS-KIDNEY	13R
		00023	510UL	28.6	170	DNT	LTS-	0.1	510-MIZ30	13R
86	72	00021	510UL	15.2	169	DNT	LTS+	0.0	510-MIZ30	13R
86	73	00003	510UL	6.9	174	DNT	LTS+	0.3	510-MIZ30	13R

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86	74	00005	510UL	4.2 177	DNT	LTS+ 0.0	510-MIZ30	13R
86	75	00003	510UL	6.2 173	DNT	LTS- 0.1	510-MIZ30	13R
86	76	00005	510UL	10.9 176	DNT	LTS+ 0.0	510-MIZ30	13R
86	77	00112	510UL	12.7 174	DNT	LTS- 0.2	510-MIZ30	13R
86	78	00110	510UL	8.3 176	DNT	LTS- 0.2	510-MIZ30	13R
86	84	00110	510UL	2.9 184	DNT	LTS- 0.8	510-MIZ30	13R
86	99	00068	510UL	0.2 103	NQI	02S+ 14.7	510-MIZ30	13R
		00311	520HF	0.0 0	NDF	02S+ 14.7	SPEC-INT	13R
86	111	00070	510UL	1.0 74	ADI	06S+ 22.7	510-MIZ30	13R
		00311	520HF	0.0 0	NDF	06S+ 22.7	SPEC-INT	13R
86	113	00070	510UL	0.3 62	NQI	LTE+ 19.5	510-MIZ30	13R
		00311	520HF	0.0 0	NDF	LTE+ 19.5	SPEC-INT	13R
86	122	00068	510UL	0.3 77	NQI	LTE+ 4.0	510-MIZ30	13R
		00311	520HF	0.0 0	NDF	LTE+ 4.0	SPEC-INT	13R
86	127	00078	510UL	0.1 82	NQI	14S- 0.4	510-MIZ30	13R
		00311	520HF	0.0 0	NDF	14S- 0.4	SPEC-INT	13R
87	1	00100	510UL	0.5 105	NQI	08S- 0.8	510-MIZ30	13R
		00402	520HF	0.6 0	WAR 9	08S- 0.7	SPEC-INT	13R
87	24	00318	510UL	2.0 8	INR	13S+ 6.9	510-MIZ30	13R
87	40	00168	510UL	0.8 78	INR	12S+ 23.2	510-MIZ30	13R
87	58	00024	520HF	1.1 144	MBM	02S+ 3.1	SPEC-INT	13R
		00027	510UL	2.2 132	NQI	02S+ 3.1	510-MIZ30	13R
87	60	00027	510UL	9.4 173	DNT	LTS- 0.1	510-MIZ30	13R
87	61	00023	510UL	12.8 173	DNT	LTS- 0.1	510-MIZ30	13R
87	62	00021	510UL	7.7 173	DNT	LTS+ 0.0	510-MIZ30	13R
87	63	00023	510UL	4.5 167	DNT	LTS- 0.1	510-MIZ30	13R
87	64	00021	510UL	6.7 166	DNT	LTS- 0.0	510-MIZ30	13R
87	65	00023	510UL	11.7 169	DNT	LTS+ 0.0	510-MIZ30	13R
87	66	00021	510UL	8.3 167	DNT	LTS+ 0.0	510-MIZ30	13R
87	67	00023	510UL	5.9 166	DNT	LTS- 0.1	510-MIZ30	13R
87	68	00021	510UL	6.4 167	DNT	LTS+ 0.0	510-MIZ30	13R
87	69	00023	510UL	11.5 169	DNT	LTS- 0.2	510-MIZ30	13R
87	70	00021	510UL	13.9 168	DNT	LTS+ 0.0	510-MIZ30	13R
87	71	00024	520HF	0.0 0	NDF	LTS+ 0.6	SPEC-INT	13R
		00023	510UL	10.7 172	DNT	LTS+ 0.6	510-MIZ30	13R
87	72	00021	510UL	3.9 174	DNT	LTS- 0.4	510-MIZ30	13R
		00021	510UL	9.1 171	DNT	LTS+ 0.0	510-MIZ30	13R
87	73	00035	510UL	5.4 173	DNT	LTS+ 0.0	510-MIZ30	13R
87	74	00003	510UL	5.2 173	DNT	LTS- 0.2	510-MIZ30	13R
		00005	510UL	5.0 177	DNT	LTS+ 0.0	510-MIZ30	13R
87	75	00005	510UL	8.6 173	DNT	LTS+ 0.0	510-MIZ30	13R
87	76	00005	510UL	12.0 172	DNT	LTS+ 0.0	510-MIZ30	13R
87	77	00110	510UL	10.0 175	DNT	LTS- 0.1	510-MIZ30	13R
87	81	00110	510UL	1.6 75	ADI	13S+ 18.6	510-MIZ30	13R
		00315	520HF	0.0 0	NDF	13S+ 18.6	SPEC-INT	13R
87	83	00110	510UL	3.5 183	DNT	LTS- 0.1	510-MIZ30	13R
87	94	00112	510UL	0.4 85	NQI	14S- 0.9	510-MIZ30	13R
		00311	520HF	0.6 0	WAR 10	14S- 0.7	SPEC-INT	13R
87	97	00110	510UL	1.3 4	INR	15S+ 9.7	510-MIZ30	13R
87	106	00068	510UL	0.5 82	NQI	LTE+ 12.3	510-MIZ30	13R

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		00347	520HF	0.0	0	NDF	LTS -11.7	SPEC-INT	13R
87	112	00068	510UL	0.3	93	NQI	LTE+ 12.4	510-MIZ30	13R
		00347	520HF	0.0	0	NDF	LTS -11.6	SPEC-INT	13R
88	6	00316	510UL	0.6	86	INR	LTS+ 22.7	510-MIZ30	13R
		00316	510UL	1.2	77	INR	01S+ 12.6	510-MIZ30	13R
		00316	510UL	1.7	84	INR	03S+ 25.8	510-MIZ30	13R
88	15	00318	510UL	1.0	92	INR	01S+ 22.7	510-MIZ30	13R
		00318	510UL	1.0	89	INR	01S+ 29.3	510-MIZ30	13R
88	17	00318	510UL	1.2	88	INR	15S+ 17.5	510-MIZ30	13R
88	24	00316	510UL	2.6	187	DNT	02S+ 17.3	510-MIZ30	13R
88	59	00029	510UL	2.5	174	DNT	LTS+ 0.1	510-MIZ30	13R
88	60	00027	510UL	9.3	173	DNT	LTS- 0.1	510-MIZ30	13R
88	61	00029	510UL	15.1	174	DNT	LTS+ 0.0	510-MIZ30	13R
88	62	00027	510UL	12.0	171	DNT	LTS+ 0.0	510-MIZ30	13R
		00069	520HF	0.0	0	NDF	09S+ 20.7	SPEC-INT	13R
		00027	510UL	0.1	82	NQI	09S+ 20.7	510-MIZ30	13R
88	63	00029	510UL	5.8	178	DNT	LTS+ 0.0	510-MIZ30	13R
88	64	00027	510UL	4.0	162	DNT	LTS+ 0.1	510-MIZ30	13R
88	65	00024	520HF	0.0	0	NDF	LTE+ 17.7	SPEC-INT	13R
		00029	510UL	0.6	117	NQI	LTE+ 17.7	510-MIZ30	13R
		00029	510UL	6.2	168	DNT	LTS+ 0.1	510-MIZ30	13R
88	66	00027	510UL	7.2	166	DNT	LTS+ 0.0	510-MIZ30	13R
88	67	00029	510UL	3.6	173	DNT	LTS+ 0.0	510-MIZ30	13R
88	68	00027	510UL	4.0	163	DNT	LTS+ 0.1	510-MIZ30	13R
88	69	00029	510UL	8.5	169	DNT	LTS+ 0.1	510-MIZ30	13R
88	70	00027	510UL	4.5	168	DNT	LTS+ 0.0	510-MIZ30	13R
88	71	00029	510UL	3.8	175	DNT	LTS- 0.1	510-MIZ30	13R
88	72	00027	510UL	4.6	171	DNT	LTS+ 0.1	510-MIZ30	13R
88	73	00370	510UL	3.9	175	DNT	LTS- 0.1	510-MIZ30	13R
88	75	00110	510UL	4.6	180	DNT	LTS- 0.1	510-MIZ30	13R
88	76	00112	510UL	8.1	175	DNT	LTS- 0.1	510-MIZ30	13R
88	77	00110	510UL	8.9	176	DNT	LTS- 0.1	510-MIZ30	13R
88	78	00112	510UL	4.3	178	DNT	LTS- 0.2	510-MIZ30	13R
88	125	00311	520HF	0.5	0	WAR 11	08S- 0.6	SPEC-INT	13R
		00076	510UL	0.2	155	NQI	08S- 0.6	510-MIZ30	13R
88	128	00078	510UL	0.2	85	NQI	LTE+ 22.4	510-MIZ30	13R
		00313	520HF	0.0	0	NDF	LTE+ 22.4	SPEC-INT	13R
89	24	00402	520HF	0.0	0	NDF	01S+ 8.7	SPEC-INT	13R
		00318	510UL	0.2	100	NQI	01S+ 8.9	510-MIZ30	13R
89	59	00027	510UL	11.5	171	DNT	LTS- 0.1	510-MIZ30	13R
89	60	00006	520HF	0.0	0	NDF	LTS+ 0.0	LTS-KIDNEY	13R
		00029	510UL	19.0	175	DNT	LTS+ 0.0	510-MIZ30	13R
89	61	00002	520HF	0.0	0	NDF	LTS- 0.1	LTS-KIDNEY	13R
		00027	510UL	16.8	171	DNT	LTS- 0.1	510-MIZ30	13R
89	64	00027	510UL	3.1	163	DNT	LTS+ 0.1	510-MIZ30	13R
89	65	00029	510UL	6.0	170	DNT	LTS+ 0.0	510-MIZ30	13R
89	66	00027	510UL	7.3	170	DNT	LTS+ 0.0	510-MIZ30	13R
89	67	00029	510UL	5.4	174	DNT	LTS- 0.0	510-MIZ30	13R
89	68	00027	510UL	3.7	167	DNT	LTS+ 0.0	510-MIZ30	13R
89	69	00029	510UL	3.4	166	DNT	LTS+ 0.0	510-MIZ30	13R

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89	70	00024	520HF	0.0	0		NDF	LTE+ 17.7	SPEC-INT	13R
		00027	510UL	0.3	89		NQI	LTE+ 17.7	510-MIZ30	13R
		00027	510UL	5.2	173		DNT	LTS+ 0.0	510-MIZ30	13R
89	71	00029	510UL	5.8	175		DNT	LTS- 0.1	510-MIZ30	13R
89	72	00027	510UL	4.5	172		DNT	LTS+ 0.1	510-MIZ30	13R
89	74	00112	510UL	3.0	182		DNT	LTS- 0.2	510-MIZ30	13R
89	75	00110	510UL	10.5	177		DNT	LTS+ 0.1	510-MIZ30	13R
89	76	00112	510UL	15.9	173		DNT	LTS- 0.1	510-MIZ30	13R
		00112	510UL	3.3	172		DNT	LTS+ 0.3	510-MIZ30	13R
89	77	00110	510UL	6.6	177		DNT	LTS- 0.1	510-MIZ30	13R
89	80	00112	510UL	4.3	179		INR	15S+ 10.7	510-MIZ30	13R
89	86	00112	510UL	0.1	67		NQI	14S+ 0.2	510-MIZ30	13R
		00313	520HF	0.0	0		NDF	14S+ 0.2	SPEC-INT	13R
89	92	00112	510UL	2.8	184		DNT	04S+ 19.6	510-MIZ30	13R
89	113	00068	510UL	0.1	112		NQI	14S+ 10.8	510-MIZ30	13R
		00347	520HF	0.0	0		NDF	14S+ 10.8	SPEC-INT	13R
89	126	00076	510UL	0.2	66		NQI	09S+ 0.3	510-MIZ30	13R
		00313	520HF	0.0	0		NDF	09S+ 0.3	SPEC-INT	13R
89	130	00076	510UL	0.8	92		INR	10S+ 31.9	510-MIZ30	13R
		00076	510UL	1.6	87		ADI	11S+ 7.4	510-MIZ30	13R
		00347	520HF	0.0	0		NDF	11S+ 7.4	SPEC-INT	13R
		00076	510UL	1.3	93		INR	11S+ 13.3	510-MIZ30	13R
90	2	00418	520HF	0.0	0		NDF	UTS+ 6.4	SPEC-INT	13R
		00307	540HF	0.6	8	ID	27	UTS+ 6.4	540-MIZ30	13R
90	5	00316	510UL	0.2	108		INR	10S+ 6.9	510-MIZ30	13R
90	58	00029	510UL	4.5	178		DNT	LTS- 0.0	510-MIZ30	13R
		00071	540HF	4.2	176		DNT	LTS+ 0.0	540-MIZ30	13R
		00029	510UL	0.3	9	ID	30	15S+ 40.5	510-MIZ30	13R
		00071	540HF	0.4	4		INR	15S+ 40.5	540-MIZ30	13R
		00069	520HF	0.0	0		NDF	15S+ 40.5	SPEC-INT	13R
90	59	00027	510UL	5.9	173		DNT	LTS+ 0.0	510-MIZ30	13R
90	60	00029	510UL	10.4	176		DNT	LTS- 0.0	510-MIZ30	13R
90	61	00027	510UL	8.8	172		DNT	LTS+ 0.0	510-MIZ30	13R
90	62	00029	510UL	3.2	177		DNT	LTS+ 0.0	510-MIZ30	13R
90	63	00027	510UL	3.2	170		DNT	LTS+ 0.0	510-MIZ30	13R
90	64	00029	510UL	3.4	174		DNT	LTS+ 0.0	510-MIZ30	13R
90	65	00027	510UL	6.2	168		DNT	LTS+ 0.0	510-MIZ30	13R
90	66	00029	510UL	6.6	175		DNT	LTS- 0.1	510-MIZ30	13R
90	67	00027	510UL	4.6	170		DNT	LTS+ 0.1	510-MIZ30	13R
90	68	00029	510UL	3.8	174		DNT	LTS- 0.1	510-MIZ30	13R
90	69	00027	510UL	5.4	169		DNT	LTS+ 0.0	510-MIZ30	13R
90	70	00029	510UL	5.4	176		DNT	LTS- 0.1	510-MIZ30	13R
90	71	00027	510UL	4.0	169		DNT	LTS+ 0.0	510-MIZ30	13R
90	73	00370	510UL	2.7	175		DNT	LTS+ 0.0	510-MIZ30	13R
90	74	00112	510UL	4.1	172		DNT	LTS- 0.1	510-MIZ30	13R
90	75	00110	510UL	8.6	175		DNT	LTS- 0.0	510-MIZ30	13R
90	76	00112	510UL	9.3	173		DNT	LTS- 0.1	510-MIZ30	13R
		00112	510UL	3.4	171		DNT	LTS+ 0.3	510-MIZ30	13R
90	77	00110	510UL	2.9	189		DNT	LTS+ 0.0	510-MIZ30	13R
90	78	00112	510UL	3.2	172		DNT	LTS- 0.1	510-MIZ30	13R

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90	82	00112	510UL	3.6 176	DNT	LTS- 0.2	510-MIZ30	13R
90	100	00068	510UL	0.3 73	NQI	03S+ 0.7	510-MIZ30	13R
		00285	520HF	0.7 0	WAR 9	03S+ 0.7	SPEC-INT	13R
90	106	00068	510UL	0.2 96	NQI	13S- 0.9	510-MIZ30	13R
		00285	520HF	0.5 0	WAR 6	13S- 0.8	SPEC-INT	13R
90	115	00070	510UL	0.2 85	NQI	15S+ 30.2	510-MIZ30	13R
		00285	520HF	0.0 0	NDF	UTS -16.2	SPEC-INT	13R
90	120	00068	510UL	0.3 108	NQI	14S+ 25.3	510-MIZ30	13R
		00285	520HF	0.0 0	NDF	14S+ 25.3	SPEC-INT	13R
91	18	00318	510UL	3.0 90	ADI	08S+ 19.4	510-MIZ30	13R
		00408	520HF	0.0 0	NDF	08S+ 19.4	SPEC-INT	13R
91	27	00316	510UL	2.6 186	INR	LTE+ 6.8	510-MIZ30	13R
91	52	00408	520HF	0.0 0	NDF	01S+ 19.4	SPEC-INT	13R
		00326	510UL	0.4 88	NQI	01S+ 19.4	510-MIZ30	13R
91	58	00027	510UL	3.9 172	DNT	LTS- 0.1	510-MIZ30	13R
		00024	520HF	0.0 0	NDF	LTS+ 1.3	SPEC-INT	13R
		00027	510UL	0.2 86	NQI	LTS+ 1.3	510-MIZ30	13R
91	59	00029	510UL	4.4 177	DNT	LTS- 0.0	510-MIZ30	13R
91	60	00027	510UL	5.1 172	DNT	LTS+ 0.0	510-MIZ30	13R
91	61	00029	510UL	3.8 176	DNT	LTS+ 0.0	510-MIZ30	13R
91	62	00027	510UL	3.8 169	DNT	LTS+ 0.1	510-MIZ30	13R
91	63	00029	510UL	4.4 174	DNT	LTS- 0.1	510-MIZ30	13R
91	64	00027	510UL	5.7 169	DNT	LTS+ 0.0	510-MIZ30	13R
91	65	00029	510UL	6.3 174	DNT	LTS- 0.1	510-MIZ30	13R
91	66	00027	510UL	3.3 170	DNT	LTS+ 0.0	510-MIZ30	13R
91	67	00029	510UL	6.2 178	DNT	LTS- 0.0	510-MIZ30	13R
91	68	00027	510UL	4.9 169	DNT	LTS+ 0.0	510-MIZ30	13R
91	69	00029	510UL	4.3 174	DNT	LTS- 0.1	510-MIZ30	13R
91	72	00370	510UL	3.0 176	DNT	LTS- 0.1	510-MIZ30	13R
		00370	510UL	0.5 121	INR	UTS+ 2.1	510-MIZ30	13R
91	73	00124	510UL	4.5 172	DNT	LTS- 0.1	510-MIZ30	13R
91	74	00124	510UL	7.6 169	DNT	LTS- 0.1	510-MIZ30	13R
91	75	00124	510UL	10.8 169	DNT	LTS- 0.1	510-MIZ30	13R
91	76	00124	510UL	4.6 168	DNT	LTS+ 0.0	510-MIZ30	13R
91	77	00124	510UL	2.8 170	DNT	LTS+ 0.0	510-MIZ30	13R
91	81	00124	510UL	2.7 162	DNT	LTS+ 0.0	510-MIZ30	13R
91	86	00289	520HF	0.4 0	WAR 9	15S+ 0.7	SPEC-INT	13R
		00124	510UL	0.5 57	NQI	15S+ 0.8	510-MIZ30	13R
92	25	00320	510UL	2.7 187	DNT	01S+ 15.7	510-MIZ30	13R
92	28	00322	510UL	1.0 93	INR	11S+ 11.3	510-MIZ30	13R
92	56	00033	510UL	3.9 170	DNT	LTS+ 0.0	510-MIZ30	13R
92	57	00027	510UL	8.9 171	DNT	LTS+ 0.2	510-MIZ30	13R
92	58	00024	520HF	0.0 0	NDF	LTS- 0.0	SPEC-INT	13R
		00029	510UL	16.0 175	DNT	LTS- 0.0	510-MIZ30	13R
92	59	00027	510UL	13.0 171	DNT	LTS- 0.0	510-MIZ30	13R
92	60	00029	510UL	12.4 176	DNT	LTS- 0.1	510-MIZ30	13R
92	61	00027	510UL	5.0 173	DNT	LTS+ 0.1	510-MIZ30	13R
92	62	00029	510UL	3.4 178	DNT	LTS+ 0.0	510-MIZ30	13R
92	64	00029	510UL	3.1 175	DNT	LTS+ 0.0	510-MIZ30	13R
92	65	00027	510UL	2.8 172	DNT	LTS+ 0.0	510-MIZ30	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
92	66	00029	510UL	5.6 175	DNT	LTS- 0.0	510-MIZ30	13R
92	67	00027	510UL	4.1 169	DNT	LTS- 0.0	510-MIZ30	13R
92	68	00024	520HF	0.0 0	NDF	LTE+ 13.8	SPEC-INT	13R
		00029	510UL	0.3 111	NQI	LTE+ 13.8	510-MIZ30	13R
		00029	510UL	3.9 174	DNT	LTS+ 0.0	510-MIZ30	13R
92	69	00027	510UL	5.4 171	DNT	LTS- 0.2	510-MIZ30	13R
92	70	00029	510UL	3.3 175	DNT	LTS- 0.1	510-MIZ30	13R
92	73	00370	510UL	3.4 178	DNT	LTS+ 0.0	510-MIZ30	13R
92	74	00370	510UL	4.6 175	DNT	LTS+ 0.0	510-MIZ30	13R
92	75	00124	510UL	8.1 169	DNT	LTS- 0.1	510-MIZ30	13R
92	76	00124	510UL	12.3 170	DNT	LTS- 0.1	510-MIZ30	13R
92	77	00124	510UL	7.5 169	DNT	LTS- 0.2	510-MIZ30	13R
92	78	00124	510UL	4.1 172	DNT	LTS- 0.1	510-MIZ30	13R
92	81	00124	510UL	2.6 156	DNT	LTS+ 0.0	510-MIZ30	13R
92	82	00124	510UL	3.2 161	DNT	LTS+ 0.0	510-MIZ30	13R
92	87	00289	520HF	0.4 0	WAR 9	15S+ 0.7	SPEC-INT	13R
		00124	510UL	0.3 74	NQI	15S+ 0.7	510-MIZ30	13R
92	90	00124	510UL	12.3 169	DNT	LTS- 0.2	510-MIZ30	13R
92	91	00124	510UL	18.5 170	DNT	LTS- 0.1	510-MIZ30	13R
		00289	520HF	0.0 0	NDF	LTS- 0.1	SPEC-INT	13R
92	92	00124	510UL	4.8 172	DNT	LTS- 0.2	510-MIZ30	13R
92	93	00124	510UL	7.4 174	DNT	LTS- 0.2	510-MIZ30	13R
92	94	00124	510UL	3.8 175	DNT	LTS- 0.1	510-MIZ30	13R
92	115	00078	510UL	2.6 166	DNT	10S+ 32.6	510-MIZ30	13R
93	20	00320	510UL	1.5 104	INR	03S+ 8.1	510-MIZ30	13R
93	25	00322	510UL	5.7 176	DNT	LTE+ 8.1	510-MIZ30	13R
93	26	00320	510UL	5.2 178	DNT	LTE+ 8.6	510-MIZ30	13R
93	30	00320	510UL	1.1 76	ADI	07S+ 37.0	510-MIZ30	13R
		00408	520HF	0.0 0	NDF	07S+ 37.0	SPEC-INT	13R
93	53	00035	510UL	5.9 173	DNT	LTS+ 0.0	510-MIZ30	13R
		00035	510UL	0.8 136	INR	LTS+ 0.4	510-MIZ30	13R
93	54	00006	520HF	0.0 0	NDF	LTS- 0.1	LTS-KIDNEY	13R
		00033	510UL	18.1 171	DNT	LTS- 0.1	510-MIZ30	13R
93	55	00016	520HF	0.0 0	NDF	LTS+ 0.1	LTS-KIDNEY	13R
		00035	510UL	24.5 175	DNT	LTS+ 0.1	510-MIZ30	13R
93	56	00006	520HF	0.0 0	NDF	LTS+ 0.0	LTS-KIDNEY	13R
		00027	510UL	22.1 170	DNT	LTS+ 0.0	510-MIZ30	13R
93	57	00029	510UL	11.7 176	DNT	LTS- 0.1	510-MIZ30	13R
93	61	00029	510UL	3.2 166	DNT	LTS+ 0.1	510-MIZ30	13R
93	62	00027	510UL	2.8 163	DNT	LTS+ 0.1	510-MIZ30	13R
93	63	00029	510UL	4.0 176	DNT	LTS+ 0.0	510-MIZ30	13R
93	64	00027	510UL	5.5 170	DNT	LTS- 0.0	510-MIZ30	13R
93	65	00029	510UL	5.8 174	DNT	LTS- 0.0	510-MIZ30	13R
93	66	00027	510UL	3.8 168	DNT	LTS- 0.1	510-MIZ30	13R
93	67	00029	510UL	3.8 173	DNT	LTS- 0.1	510-MIZ30	13R
93	68	00027	510UL	2.9 170	DNT	LTS- 0.2	510-MIZ30	13R
93	71	00370	510UL	5.8 173	DNT	LTS- 0.1	510-MIZ30	13R
93	72	00128	510UL	8.7 171	DNT	LTS- 0.1	510-MIZ30	13R
93	73	00126	510UL	11.1 174	DNT	LTS- 0.2	510-MIZ30	13R
93	74	00128	510UL	10.8 170	DNT	LTS- 0.1	510-MIZ30	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
93	75	00126	510UL	5.8 176	DNT	LTS- 0.1	510-MIZ30	13R
		00126	510UL	3.5 170	DNT	LTS+ 0.2	510-MIZ30	13R
93	76	00128	510UL	5.2 168	DNT	LTS+ 0.1	510-MIZ30	13R
93	77	00126	510UL	11.4 170	DNT	LTS+ 0.1	510-MIZ30	13R
93	78	00128	510UL	4.9 162	DNT	LTS+ 0.1	510-MIZ30	13R
93	80	00128	510UL	2.6 183	INR	LTE+ 12.1	510-MIZ30	13R
93	86	00124	510UL	4.6 175	DNT	LTS- 0.2	510-MIZ30	13R
		00378	520HF	0.0 0	NDF	LTS- 0.2	LTS-KIDNEY	13R
93	87	00124	510UL	16.2 170	DNT	LTS- 0.1	510-MIZ30	13R
		00289	520HF	0.0 0	NDF	LTS- 0.1	SPEC-INT	13R
93	88	00124	510UL	2.8 174	DNT	LTS- 0.1	510-MIZ30	13R
93	113	00078	510UL	0.3 73	NQI	04S+ 0.4	510-MIZ30	13R
		00289	520HF	0.0 0	NDF	04S+ 0.4	SPEC-INT	13R
93	118	00076	510UL	1.2 83	ADI	14S+ 20.0	510-MIZ30	13R
		00289	520HF	0.0 0	NDF	15S -15.0	SPEC-INT	13R
		00347	520HF	0.0 0	NDF	15S -15.0	SPEC-INT	13R
		00076	510UL	2.0 85	ADI	15S+ 6.6	510-MIZ30	13R
		00420	520HF	0.0 0	NDF	15S+ 6.6	SPEC-INT	13R
94	26	00320	510UL	5.9 178	DNT	LTE+ 8.4	510-MIZ30	13R
94	28	00322	510UL	5.0 176	DNT	LTE+ 9.0	510-MIZ30	13R
94	41	00168	510UL	0.4 65	NQI	01S+ 20.0	510-MIZ30	13R
		00315	520HF	0.0 0	NDF	01S+ 20.0	SPEC-INT	13R
94	55	00326	510UL	3.1 176	DNT	LTS- 0.1	510-MIZ30	13R
94	56	00006	520HF	0.0 0	NDF	LTS- 0.1	LTS-KIDNEY	13R
		00059	510UL	9.2 177	DNT	LTS- 0.0	510-MIZ30	13R
94	57	00039	540HF	18.6 174	DNT	LTS- 0.0	540-MIZ30	13R
		00006	520HF	0.0 0	NDF	LTS+ 0.0	LTS-KIDNEY	13R
		00035	510UL	20.2 176	DNT	LTS+ 0.0	510-MIZ30	13R
		00039	540HF	0.6 1	INR	10S+ 13.1	540-MIZ30	13R
		00035	510UL	0.5 8	INR	10S+ 13.1	510-MIZ30	13R
94	58	00006	520HF	0.0 0	NDF	LTS- 0.1	LTS-KIDNEY	13R
		00027	510UL	20.5 170	DNT	LTS- 0.1	510-MIZ30	13R
94	59	00029	510UL	8.8 175	DNT	LTS+ 0.0	510-MIZ30	13R
94	63	00029	510UL	3.3 164	DNT	LTS+ 0.0	510-MIZ30	13R
94	64	00027	510UL	4.0 162	DNT	LTS+ 0.0	510-MIZ30	13R
94	65	00029	510UL	3.7 174	DNT	LTS+ 0.1	510-MIZ30	13R
94	66	00027	510UL	3.8 163	DNT	LTS+ 0.1	510-MIZ30	13R
94	67	00029	510UL	3.5 166	DNT	LTS+ 0.1	510-MIZ30	13R
94	68	00027	510UL	4.1 160	DNT	LTS+ 0.0	510-MIZ30	13R
94	69	00029	510UL	3.5 171	DNT	LTS+ 0.0	510-MIZ30	13R
94	70	00027	510UL	3.3 166	DNT	LTS+ 0.0	510-MIZ30	13R
94	71	00029	510UL	3.9 175	DNT	LTS- 0.1	510-MIZ30	13R
94	74	00370	510UL	5.1 174	DNT	LTS- 0.1	510-MIZ30	13R
94	75	00128	510UL	10.2 172	DNT	LTS- 0.2	510-MIZ30	13R
		00128	510UL	3.7 168	DNT	LTS+ 0.3	510-MIZ30	13R
94	76	00126	510UL	9.4 175	DNT	LTS- 0.3	510-MIZ30	13R
94	77	00128	510UL	4.9 172	DNT	LTS- 0.1	510-MIZ30	13R
		00128	510UL	6.9 169	DNT	LTS+ 0.2	510-MIZ30	13R
94	78	00126	510UL	14.4 171	DNT	LTS+ 0.1	510-MIZ30	13R
94	79	00128	510UL	14.9 168	DNT	LTS+ 0.1	510-MIZ30	13R

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94	80	00126	510UL	12.4 170	DNT	LTS+ 0.0	510-MIZ30	13R
94	82	00126	510UL	1.4 97	INR	02S+ 9.9	510-MIZ30	13R
94	**107**	00233	520HF	Cr 0.25	Ax 0.18	ETL -1.5	KET12	13R
		00233	520HF	0.2 25	VOL	ETL -1.5	KET12	13R
95	3	00320	510UL	5.2 178	DNT	LTE+ 11.2	510-MIZ30	13R
95	19	00322	510UL	5.3 173	DNT	LTE+ 11.3	510-MIZ30	13R
95	20	00320	510UL	4.7 180	DNT	LTE+ 10.6	510-MIZ30	13R
		00320	510UL	2.2 3	INR	LTE+ 12.5	510-MIZ30	13R
95	26	00320	510UL	6.2 177	DNT	LTE+ 8.5	510-MIZ30	13R
95	27	00322	510UL	4.8 176	DNT	LTE+ 8.2	510-MIZ30	13R
95	55	00035	510UL	11.7 174	DNT	LTS+ 0.0	510-MIZ30	13R
95	56	00006	520HF	0.0 0	NDF	LTS- 0.0	LTS-KIDNEY	13R
		00035	510UL	17.2 175	DNT	LTS- 0.0	510-MIZ30	13R
95	57	00035	510UL	12.4 176	DNT	LTS+ 0.1	510-MIZ30	13R
95	58	00029	510UL	3.9 175	DNT	LTS+ 0.0	510-MIZ30	13R
95	63	00029	510UL	2.5 162	DNT	LTS+ 0.0	510-MIZ30	13R
95	65	00029	510UL	2.6 162	DNT	LTS- 0.1	510-MIZ30	13R
95	68	00027	510UL	3.3 160	DNT	LTS+ 0.0	510-MIZ30	13R
95	69	00029	510UL	2.9 165	DNT	LTS+ 0.0	510-MIZ30	13R
95	72	00370	510UL	2.6 165	DNT	LTS- 0.1	510-MIZ30	13R
95	73	00370	510UL	3.6 174	DNT	LTS- 0.1	510-MIZ30	13R
95	74	00370	510UL	5.9 171	DNT	LTS+ 0.0	510-MIZ30	13R
95	75	00128	510UL	9.5 171	DNT	LTS- 0.2	510-MIZ30	13R
95	76	00126	510UL	0.4 91	NQI	LTE+ 10.4	510-MIZ30	13R
		00289	520HF	0.0 0	NDF	LTE+ 10.4	SPEC-INT	13R
		00126	510UL	8.0 170	DNT	LTS+ 0.0	510-MIZ30	13R
95	77	00128	510UL	10.3 170	DNT	LTS+ 0.1	510-MIZ30	13R
95	78	00370	510UL	11.8 170	DNT	LTS+ 0.1	510-MIZ30	13R
95	79	00128	510UL	5.8 165	DNT	LTS- 0.0	510-MIZ30	13R
95	96	00126	510UL	0.2 78	NQI	LTE+ 8.9	510-MIZ30	13R
		00289	520HF	0.0 0	NDF	LTE+ 8.9	SPEC-INT	13R
95	121	00297	520HF	0.3 0	WAR 6	08S- 0.7	SPEC-INT	13R
		00078	510UL	0.3 107	NQI	08S- 0.6	510-MIZ30	13R
96	4	00320	510UL	5.0 178	DNT	LTE+ 10.4	510-MIZ30	13R
96	18	00320	510UL	6.3 178	DNT	LTE+ 10.8	510-MIZ30	13R
96	20	00320	510UL	4.9 180	DNT	LTE+ 11.3	510-MIZ30	13R
		00320	510UL	0.3 69	NQI	11S- 0.9	510-MIZ30	13R
		00408	520HF	0.2 0	WAR 5	11S- 0.7	SPEC-INT	13R
96	24	00320	510UL	1.8 85	INR	04S+ 6.9	510-MIZ30	13R
96	51	00312	510UL	1.0 93	INR	03S+ 33.9	510-MIZ30	13R
96	54	00330	510UL	9.6 174	DNT	LTS- 0.0	510-MIZ30	13R
96	55	00038	520HF	0.0 0	NDF	LTS+ 0.0	LTS-KIDNEY	13R
		00338	510UL	22.4 174	DNT	LTS+ 0.0	510-MIZ30	13R
96	56	00374	510UL	9.6 174	DNT	LTS- 0.1	510-MIZ30	13R
96	57	00338	510UL	6.4 178	DNT	LTS- 0.1	510-MIZ30	13R
96	68	00370	510UL	3.3 164	DNT	LTS- 0.1	510-MIZ30	13R
96	72	00370	510UL	3.2 174	DNT	LTS- 0.1	510-MIZ30	13R
		00370	510UL	0.6 135	INR	15S+ 33.0	510-MIZ30	13R
96	73	00370	510UL	5.3 177	DNT	LTS- 0.2	510-MIZ30	13R
96	74	00128	510UL	8.0 172	DNT	LTS- 0.1	510-MIZ30	13R

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96	75	00128	510UL	9.9 171	DNT	LTS- 0.1	510-MIZ30	13R
96	76	00126	510UL	4.2 176	DNT	LTS+ 0.0	510-MIZ30	13R
96	77	00128	510UL	2.5 174	DNT	LTS+ 0.0	510-MIZ30	13R
96	116	00078	510UL	0.2 87	NQI	LTE+ 9.0	510-MIZ30	13R
		00297	520HF	0.0 0	NDF	LTE+ 9.0	SPEC-INT	13R
97	1	00322	510UL	0.2 101	INR	15S+ 0.1	510-MIZ30	13R
97	2	00320	510UL	6.1 178	DNT	LTE+ 9.8	510-MIZ30	13R
		00320	510UL	0.4 83	NQI	15S+ 0.2	510-MIZ30	13R
		00402	520HF	0.0 0	NDF	15S+ 0.2	SPEC-INT	13R
97	15	00320	510UL	0.9 69	INR	03S+ 32.4	510-MIZ30	13R
97	18	00322	510UL	5.0 176	DNT	LTE+ 11.5	510-MIZ30	13R
97	19	00320	510UL	5.6 172	DNT	LTE+ 11.2	510-MIZ30	13R
		00320	510UL	1.1 109	NQI	15S+ 43.4	510-MIZ30	13R
		00408	520HF	0.0 0	NDF	15S+ 43.4	SPEC-INT	13R
97	28	00322	510UL	0.7 88	INR	02S+ 26.6	510-MIZ30	13R
97	50	00408	520HF	0.4 0	WAR 8	07S+ 0.7	SPEC-INT	13R
		00312	510UL	0.2 61	NQI	07S+ 0.7	510-MIZ30	13R
97	54	00330	510UL	7.1 173	DNT	LTS- 0.1	510-MIZ30	13R
97	55	00338	510UL	7.1 174	DNT	LTS- 0.0	510-MIZ30	13R
97	56	00330	510UL	3.9 182	DNT	LTS- 0.1	510-MIZ30	13R
97	**60**	00414	520HF	Cr 0.17	Ax 0.18	UTS+ 3.7	SPEC-INT	13R
		00414	520HF	0.5 34	VOL	UTS+ 3.7	SPEC-INT	13R
		00307	540HF	0.5 7	ID 23	UTS+ 4.1	540-MIZ30	13R
97	68	00370	510UL	2.9 163	DNT	LTS- 0.1	510-MIZ30	13R
97	70	00370	510UL	4.3 175	DNT	LTS- 0.2	510-MIZ30	13R
97	71	00370	510UL	6.9 175	DNT	LTS- 0.2	510-MIZ30	13R
97	72	00370	510UL	7.6 176	DNT	LTS- 0.3	510-MIZ30	13R
97	73	00370	510UL	7.9 175	DNT	LTS- 0.3	510-MIZ30	13R
97	74	00128	510UL	9.4 172	DNT	LTS- 0.2	510-MIZ30	13R
97	75	00128	510UL	5.0 171	DNT	LTE+ 11.5	510-MIZ30	13R
97	76	00128	510UL	6.1 174	DNT	LTE+ 11.4	510-MIZ30	13R
97	77	00128	510UL	1.3 54	INR	12S+ 26.4	510-MIZ30	13R
97	83	00128	510UL	0.9 174	INR	12S+ 30.9	510-MIZ30	13R
97	95	00126	510UL	4.6 179	DNT	LTS- 0.0	510-MIZ30	13R
97	96	00086	510UL	6.6 172	DNT	LTS+ 0.1	510-MIZ30	13R
97	97	00084	510UL	3.9 175	DNT	LTS- 0.1	510-MIZ30	13R
97	98	00086	510UL	8.4 173	DNT	LTS+ 0.1	510-MIZ30	13R
97	99	00084	510UL	5.3 177	DNT	LTS- 0.1	510-MIZ30	13R
97	101	00084	510UL	3.5 176	DNT	LTS- 0.1	510-MIZ30	13R
97	112	00086	510UL	0.2 65	NQI	04S+ 0.3	510-MIZ30	13R
		00297	520HF	0.2 0	WAR 4	04S+ 0.5	SPEC-INT	13R
97	115	00078	510UL	0.2 93	NQI	14S- 0.2	510-MIZ30	13R
		00297	520HF	0.0 0	NDF	14S- 0.2	SPEC-INT	13R
97	124	00076	510UL	0.5 85	NQI	09S+ 0.2	510-MIZ30	13R
		00313	520HF	0.9 0	WAR 12	09S+ 0.2	SPEC-INT	13R
98	41	00168	510UL	0.8 97	INR	12S+ 24.7	510-MIZ30	13R
98	57	00338	510UL	3.8 180	DNT	LTS- 0.4	510-MIZ30	13R
98	58	00374	510UL	12.4 174	DNT	LTS- 0.1	510-MIZ30	13R
98	59	00338	510UL	3.2 178	DNT	LTS- 0.0	510-MIZ30	13R
98	70	00370	510UL	3.5 174	DNT	LTS- 0.2	510-MIZ30	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
98	71	00370	510UL	8.4 176	DNT	LTS- 0.4	510-MIZ30	13R
98	72	00370	510UL	12.0 174	DNT	LTS- 0.4	510-MIZ30	13R
98	73	00370	510UL	12.6 174	DNT	LTS- 0.5	510-MIZ30	13R
98	74	00128	510UL	4.4 173	DNT	LTS- 0.2	510-MIZ30	13R
98	75	00128	510UL	4.8 173	DNT	LTE+ 11.3	510-MIZ30	13R
98	77	00136	510UL	6.8 173	DNT	LTE+ 11.4	510-MIZ30	13R
98	87	00136	510UL	1.3 108	INR	08S+ 11.8	510-MIZ30	13R
98	95	00134	510UL	4.0 176	DNT	LTS+ 0.0	510-MIZ30	13R
98	96	00086	510UL	8.7 174	DNT	LTS- 0.0	510-MIZ30	13R
98	97	00084	510UL	12.4 172	DNT	LTS+ 0.0	510-MIZ30	13R
98	98	00086	510UL	18.6 173	DNT	LTS- 0.0	510-MIZ30	13R
		00297	520HF	0.0 0	NDF	LTS- 0.0	SPEC-INT	13R
98	99	00084	510UL	26.9 172	DNT	LTS+ 0.1	510-MIZ30	13R
		00297	520HF	0.0 0	NDF	LTS+ 0.1	SPEC-INT	13R
98	100	00086	510UL	20.0 173	DNT	LTS+ 0.1	510-MIZ30	13R
		00297	520HF	0.0 0	NDF	LTS+ 0.1	SPEC-INT	13R
98	101	00084	510UL	20.7 172	DNT	LTS- 0.3	510-MIZ30	13R
		00297	520HF	0.0 0	NDF	LTS- 0.3	SPEC-INT	13R
98	102	00086	510UL	13.4 173	DNT	LTS+ 0.1	510-MIZ30	13R
98	105	00084	510UL	0.2 66	NQI	07S- 0.5	510-MIZ30	13R
		00297	520HF	0.3 0	WAR 6	07S- 0.5	SPEC-INT	13R
99	30	00384	510UL	2.8 180	DNT	LTE+ 5.0	510-MIZ30	13R
99	57	00166	510UL	5.1 175	DNT	LTS- 0.1	510-MIZ30	13R
		00166	510UL	0.2 122	NQI	06S- 0.6	510-MIZ30	13R
		00315	520HF	0.4 0	WAR 8	06S- 0.6	SPEC-INT	13R
99	58	00168	510UL	11.6 168	DNT	LTS+ 0.0	510-MIZ30	13R
99	59	00166	510UL	15.9 174	DNT	LTS- 0.1	510-MIZ30	13R
99	70	00370	510UL	6.0 178	DNT	LTS- 0.1	510-MIZ30	13R
99	71	00370	510UL	11.2 176	DNT	LTS- 0.2	510-MIZ30	13R
99	72	00032	520HF	0.0 0	NDF	LTS- 0.7	LTS-KIDNEY	13R
		00370	510UL	17.3 175	DNT	LTS- 0.7	510-MIZ30	13R
99	73	00370	510UL	4.9 172	DNT	LTS+ 0.0	510-MIZ30	13R
99	75	00134	510UL	6.8 175	DNT	LTE+ 11.3	510-MIZ30	13R
99	76	00136	510UL	7.0 173	DNT	LTE+ 11.5	510-MIZ30	13R
99	86	00297	520HF	0.2 0	WAR 5	06S- 0.7	SPEC-INT	13R
		00136	510UL	0.2 107	NQI	06S- 0.6	510-MIZ30	13R
99	87	00134	510UL	0.4 116	NQI	14S+ 5.3	510-MIZ30	13R
		00347	520HF	0.0 0	NDF	14S+ 5.3	SPEC-INT	13R
99	95	00134	510UL	3.8 181	DNT	LTS- 0.2	510-MIZ30	13R
99	96	00084	510UL	13.6 174	DNT	LTS- 0.0	510-MIZ30	13R
99	97	00086	510UL	12.0 173	DNT	LTS+ 0.0	510-MIZ30	13R
99	98	00084	510UL	18.9 173	DNT	LTS- 0.0	510-MIZ30	13R
		00285	520HF	0.0 0	NDF	LTS- 0.0	SPEC-INT	13R
99	99	00086	510UL	18.2 173	DNT	LTS+ 0.1	510-MIZ30	13R
		00285	520HF	0.0 0	NDF	LTS+ 0.1	SPEC-INT	13R
99	100	00084	510UL	14.8 171	DNT	LTS- 0.3	510-MIZ30	13R
99	101	00086	510UL	17.4 174	DNT	LTS+ 0.0	510-MIZ30	13R
		00285	520HF	0.0 0	NDF	LTS+ 0.0	SPEC-INT	13R
99	117	00086	510UL	0.2 91	NQI	UTS+ 1.0	510-MIZ30	13R
		00285	520HF	0.0 0	NDF	UTS+ 1.0	SPEC-INT	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
100	1	00384	510UL	10.0 176	DNT	LTE+ 10.6	510-MIZ30	13R
100	5	00384	510UL	2.6 174	DNT	LTE+ 9.7	510-MIZ30	13R
100	7	00332	510UL	6.2 177	DNT	LTE+ 10.7	510-MIZ30	13R
100	12	00330	510UL	0.2 81	INR	09S+ 0.3	510-MIZ30	13R
100	46	00315	520HF	0.7 0	WAR 13	07S- 0.7	SPEC-INT	13R
		00158	510UL	0.2 74	NQI	07S+ 0.7	510-MIZ30	13R
		00315	520HF	0.7 0	WAR 13	07S+ 0.7	SPEC-INT	13R
100	58	00158	510UL	9.7 173	DNT	LTS+ 0.0	510-MIZ30	13R
100	59	00160	510UL	6.6 171	DNT	LTS- 0.1	510-MIZ30	13R
100	64	00342	510UL	0.4 94	NQI	LTE+ 10.3	510-MIZ30	13R
		00349	520HF	0.0 0	NDF	LTS -13.7	SPEC-INT	13R
		00342	510UL	2.8 179	DNT	LTS- 0.2	510-MIZ30	13R
100	70	00342	510UL	4.4 174	DNT	LTS- 0.1	510-MIZ30	13R
100	71	00340	510UL	12.8 176	DNT	LTS- 0.4	510-MIZ30	13R
100	72	00340	510UL	6.4 178	DNT	LTS- 0.3	510-MIZ30	13R
		00378	520HF	0.0 0	NDF	LTS- 0.3	LTS-KIDNEY	13R
100	77	00136	510UL	0.8 40	INR	12S+ 31.6	510-MIZ30	13R
100	84	00340	510UL	6.3 179	DNT	LTS- 0.4	510-MIZ30	13R
100	95	00086	510UL	4.4 181	DNT	LTS- 0.1	510-MIZ30	13R
100	96	00084	510UL	7.0 174	DNT	LTS- 0.1	510-MIZ30	13R
100	97	00086	510UL	10.3 175	DNT	LTS- 0.3	510-MIZ30	13R
100	98	00030	520HF	0.0 0	NDF	LTS- 0.3	LTS-KIDNEY	13R
		00084	510UL	17.9 173	DNT	LTS- 0.3	510-MIZ30	13R
100	99	00086	510UL	23.8 172	DNT	LTS+ 0.0	510-MIZ30	13R
		00285	520HF	0.0 0	NDF	LTS+ 0.0	SPEC-INT	13R
100	100	00084	510UL	10.9 172	DNT	LTS- 0.3	510-MIZ30	13R
100	102	00084	510UL	0.2 100	NQI	07S- 0.5	510-MIZ30	13R
		00285	520HF	0.0 0	NDF	07S- 0.5	SPEC-INT	13R
100	119	00086	510UL	2.6 183	DNT	13S+ 16.7	510-MIZ30	13R
101	3	00330	510UL	8.7 178	DNT	LTE+ 10.4	510-MIZ30	13R
101	4	00332	510UL	6.6 175	DNT	LTE+ 10.7	510-MIZ30	13R
101	5	00332	510UL	7.6 176	DNT	LTE+ 10.9	510-MIZ30	13R
101	7	00330	510UL	6.5 177	DNT	LTE+ 10.7	510-MIZ30	13R
101	9	00330	510UL	5.8 176	DNT	LTE+ 11.1	510-MIZ30	13R
101	10	00332	510UL	6.8 175	DNT	LTE+ 10.9	510-MIZ30	13R
101	12	00332	510UL	0.3 53	INR	09S+ 0.4	510-MIZ30	13R
101	49	00160	510UL	0.3 48	NQI	07S+ 0.7	510-MIZ30	13R
		00315	520HF	0.4 0	WAR 8	07S+ 0.7	SPEC-INT	13R
101	53	00160	510UL	0.2 80	NQI	UTS+ 1.8	510-MIZ30	13R
		00315	520HF	0.0 0	NDF	UTS+ 1.8	SPEC-INT	13R
101	62	00158	510UL	2.7 197	DNT	LTS- 0.2	510-MIZ30	13R
101	63	00160	510UL	8.4 170	DNT	LTS- 0.1	510-MIZ30	13R
101	64	00342	510UL	3.0 175	DNT	LTS- 0.1	510-MIZ30	13R
101	70	00342	510UL	2.8 174	DNT	LTS- 0.1	510-MIZ30	13R
101	91	00136	510UL	4.6 170	DNT	LTS- 0.1	510-MIZ30	13R
101	92	00134	510UL	3.2 176	DNT	LTS- 0.1	510-MIZ30	13R
101	98	00084	510UL	7.9 176	DNT	LTS- 0.3	510-MIZ30	13R
101	99	00086	510UL	4.4 169	DNT	LTS- 0.2	510-MIZ30	13R
101	118	00285	520HF	0.5 0	WAR 6	08S- 0.5	SPEC-INT	13R
		00084	510UL	0.2 84	NQI	08S- 0.5	510-MIZ30	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
102	2	00330	510UL	6.8 174	DNT	LTE+ 10.5	510-MIZ30	13R
102	4	00330	510UL	6.5 177	DNT	LTE+ 10.3	510-MIZ30	13R
102	5	00332	510UL	7.6 176	DNT	LTE+ 10.9	510-MIZ30	13R
102	6	00330	510UL	6.3 176	DNT	LTE+ 10.8	510-MIZ30	13R
102	8	00332	510UL	5.5 176	DNT	LTE+ 11.1	510-MIZ30	13R
102	10	00330	510UL	5.8 178	DNT	LTE+ 10.8	510-MIZ30	13R
102	23	00346	510UL	0.7 179	INR	01S+ 3.9	510-MIZ30	13R
102	52	00160	510UL	0.3 48	NQI	04S+ 0.8	510-MIZ30	13R
		00315	520HF	0.0 0	NDF	04S+ 0.8	SPEC-INT	13R
102	54	00160	510UL	0.2 61	NQI	03S+ 10.0	510-MIZ30	13R
		00315	520HF	0.0 0	NDF	03S+ 10.0	SPEC-INT	13R
102	61	00158	510UL	1.1 94	INR	07S+ 21.9	510-MIZ30	13R
102	72	00134	510UL	6.3 174	DNT	LTS- 0.1	510-MIZ30	13R
102	73	00136	510UL	9.2 169	DNT	LTS- 0.2	510-MIZ30	13R
102	74	00134	510UL	8.8 174	DNT	LTS- 0.1	510-MIZ30	13R
102	75	00136	510UL	3.0 162	DNT	LTS- 0.2	510-MIZ30	13R
		00136	510UL	1.4 111	INR	07S+ 28.4	510-MIZ30	13R
102	89	00136	510UL	6.7 172	DNT	LTS- 0.2	510-MIZ30	13R
102	90	00134	510UL	6.1 179	DNT	LTS- 0.3	510-MIZ30	13R
102	91	00136	510UL	3.4 168	DNT	LTS- 0.1	510-MIZ30	13R
102	112	00309	540HF	2.5 1	DNT	07S+ 29.4	540-MIZ30	13R
		00086	510UL	3.1 1	INR	07S+ 29.4	510-MIZ30	13R
102	116	00285	520HF	1.1 94	MBM	13S -10.4	SPEC-INT	13R
		00086	510UL	1.5 90	ADI	12S+ 26.4	510-MIZ30	13R
103	3	00330	510UL	6.4 178	DNT	LTE+ 10.3	510-MIZ30	13R
103	10	00330	510UL	6.0 178	DNT	LTE+ 10.5	510-MIZ30	13R
103	51	00160	510UL	0.8 101	INR	13S+ 3.7	510-MIZ30	13R
103	72	00134	510UL	13.7 173	DNT	LTS- 0.1	510-MIZ30	13R
103	73	00034	520HF	0.0 0	NDF	LTS- 0.3	LTS-KIDNEY	13R
		00136	510UL	20.4 170	DNT	LTS- 0.3	510-MIZ30	13R
103	74	00038	520HF	0.0 0	NDF	LTS+ 0.0	LTS-KIDNEY	13R
		00134	510UL	27.1 172	DNT	LTS+ 0.0	510-MIZ30	13R
103	75	00136	510UL	21.1 170	DNT	LTS- 0.0	510-MIZ30	13R
		00279	520HF	0.0 0	NDF	LTS- 0.0	SPEC-INT	13R
103	76	00134	510UL	4.9 174	DNT	LTS- 0.2	510-MIZ30	13R
103	87	00136	510UL	4.6 169	DNT	LTS- 0.3	510-MIZ30	13R
103	88	00134	510UL	13.6 172	DNT	LTS- 0.1	510-MIZ30	13R
103	89	00136	510UL	14.3 170	DNT	LTS- 0.2	510-MIZ30	13R
103	90	00134	510UL	11.1 174	DNT	LTS- 0.2	510-MIZ30	13R
103	110	00084	510UL	0.6 123	INR	13S+ 3.7	510-MIZ30	13R
103	119	00285	520HF	0.5 0	WAR 5	09S- 0.3	SPEC-INT	13R
		00086	510UL	0.3 21	NQI	09S- 0.2	510-MIZ30	13R
104	56	00160	510UL	0.1 74	NQI	14S+ 28.4	510-MIZ30	13R
		00315	520HF	0.0 0	NDF	15S -6.6	SPEC-INT	13R
104	71	00136	510UL	4.2 174	DNT	LTS- 0.2	510-MIZ30	13R
104	72	00134	510UL	17.8 173	DNT	LTS- 0.1	510-MIZ30	13R
		00279	520HF	0.0 0	NDF	LTS- 0.1	SPEC-INT	13R
104	73	00136	510UL	24.9 170	DNT	LTS- 0.4	510-MIZ30	13R
		00279	520HF	0.0 0	NDF	LTS- 0.4	SPEC-INT	13R
104	74	00134	510UL	29.7 173	DNT	LTS- 0.1	510-MIZ30	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00279	520HF	0.0 0	NDF	LTS- 0.1	SPEC-INT	13R
104	75	00136	510UL	11.1 169	DNT	LTS- 0.1	510-MIZ30	13R
104	86	00134	510UL	13.9 173	DNT	LTS+ 0.0	510-MIZ30	13R
104	87	00136	510UL	18.3 170	DNT	LTS- 0.3	510-MIZ30	13R
		00279	520HF	0.0 0	NDF	LTS- 0.3	SPEC-INT	13R
104	88	00134	510UL	11.6 172	DNT	LTS- 0.1	510-MIZ30	13R
104	89	00136	510UL	12.6 171	DNT	LTS- 0.3	510-MIZ30	13R
104	90	00134	510UL	10.8 171	DNT	LTS- 0.1	510-MIZ30	13R
104	119	00084	510UL	0.2 52	NQI	01S+ 17.5	510-MIZ30	13R
		00285	520HF	0.0 0	NDF	01S+ 17.5	SPEC-INT	13R
104	120	00086	510UL	0.2 57	NQI	09S+ 0.3	510-MIZ30	13R
		00285	520HF	0.3 0	WAR 1	09S+ 0.4	SPEC-INT	13R
105	**8**	00408	520HF	Cr 0.22	Ax 0.15	UTS+ 6.7	SPEC-INT	13R
		00408	520HF	0.8 20	VOL	UTS+ 6.7	SPEC-INT	13R
		00307	540HF	0.5 11	ID 37	UTS+ 6.8	540-MIZ30	13R
105	36	00315	520HF	0.5 0	WAR 13	04S+ 0.7	SPEC-INT	13R
		00160	510UL	0.4 62	NQI	04S+ 0.7	510-MIZ30	13R
105	72	00136	510UL	13.3 171	DNT	LTS- 0.1	510-MIZ30	13R
105	73	00134	510UL	31.0 172	DNT	LTS+ 0.0	510-MIZ30	13R
		00279	520HF	0.0 0	NDF	LTS+ 0.0	SPEC-INT	13R
105	75	00134	510UL	6.3 173	DNT	LTS- 0.1	510-MIZ30	13R
105	82	00136	510UL	3.0 175	DNT	LTS- 0.3	510-MIZ30	13R
105	83	00134	510UL	6.4 174	DNT	LTS- 0.2	510-MIZ30	13R
105	84	00136	510UL	4.7 177	DNT	LTS- 0.5	510-MIZ30	13R
105	85	00134	510UL	7.2 173	DNT	LTS- 0.3	510-MIZ30	13R
105	86	00136	510UL	11.5 170	DNT	LTS- 0.3	510-MIZ30	13R
105	87	00134	510UL	8.4 174	DNT	LTS- 0.2	510-MIZ30	13R
105	88	00136	510UL	3.8 168	DNT	LTS- 0.2	510-MIZ30	13R
105	89	00134	510UL	4.3 174	DNT	LTS- 0.1	510-MIZ30	13R
105	99	00309	540HF	0.5 3	INR	09S+ 15.5	540-MIZ30	13R
105	102	00084	510UL	0.2 49	NQI	08S+ 0.6	510-MIZ30	13R
		00347	520HF	0.2 0	WAR 9	08S+ 0.8	SPEC-INT	13R
106	32	00158	510UL	1.2 94	INR	01S+ 25.1	510-MIZ30	13R
106	70	00136	510UL	11.5 170	DNT	LTS- 0.1	510-MIZ30	13R
		00136	510UL	1.6 92	INR	05S+ 12.9	510-MIZ30	13R
106	71	00134	510UL	13.7 173	DNT	LTS+ 0.0	510-MIZ30	13R
106	72	00136	510UL	7.7 170	DNT	LTS- 0.1	510-MIZ30	13R
106	**75**	00131	520HF	Cr 0.19	Ax 0.11	ETL -1.7	KET12	13R
		00131	520HF	0.5 22	VOL	ETL -1.7	KET12	13R
		00131	520HF	0.5 27	VOL	ETL -1.5	KET12	13R
		00131	520HF	Cr 0.19	Ax 0.11	ETL -1.5	KET12	13R
106	79	00134	510UL	6.8 174	DNT	LTS- 0.2	510-MIZ30	13R
106	80	00136	510UL	5.6 173	DNT	LTS- 0.4	510-MIZ30	13R
106	81	00134	510UL	6.7 174	DNT	LTS- 0.4	510-MIZ30	13R
107	4	00348	510UL	6.4 176	DNT	LTE+ 11.1	510-MIZ30	13R
107	5	00350	510UL	5.4 173	DNT	LTE+ 10.9	510-MIZ30	13R
107	13	00348	510UL	2.5 173	DNT	LTE+ 9.3	510-MIZ30	13R
107	53	00160	510UL	0.2 99	NQI	07S+ 32.1	510-MIZ30	13R
		00315	520HF	0.0 0	NDF	08S -7.1	SPEC-INT	13R
107	61	00160	510UL	0.4 86	NQI	15S+ 0.7	510-MIZ30	13R

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		00315	520HF	0.6 84	SSA	15S+ 0.9	SPEC-INT	13R
107	80	00134	510UL	3.2 176	DNT	LTS- 0.3	510-MIZ30	13R
107	81	00136	510UL	6.1 172	DNT	LTS- 0.2	510-MIZ30	13R
107	82	00134	510UL	5.6 175	DNT	LTS- 0.4	510-MIZ30	13R
107	83	00136	510UL	1.7 78	ADI	03S+ 26.7	510-MIZ30	13R
		00279	520HF	0.9 101	MBM	03S+ 26.9	SPEC-INT	13R
108	3	00340	510UL	6.3 178	DNT	LTE+ 10.9	510-MIZ30	13R
108	5	00348	510UL	6.7 175	DNT	LTE+ 11.2	510-MIZ30	13R
108	81	00134	510UL	4.5 174	DNT	LTS- 0.2	510-MIZ30	13R
108	82	00136	510UL	4.5 174	DNT	LTS- 0.4	510-MIZ30	13R
109	3	00342	510UL	6.9 175	DNT	LTE+ 10.7	510-MIZ30	13R
109	4	00348	510UL	6.4 176	DNT	LTE+ 11.0	510-MIZ30	13R
109	7	00348	510UL	3.5 176	DNT	LTE+ 9.0	510-MIZ30	13R
109	**11**	00307	540HF	0.5 6	ID 20	15S+ 44.7	540-MIZ30	13R
		00307	540HF	0.5 1	INR	15S+ 45.7	540-MIZ30	13R
		00408	520HF	Cr 0.16	Ax 0.15	UTS -2.2	SPEC-INT	13R
		00408	520HF	0.3 20	VOL	UTS -2.2	SPEC-INT	13R
		00408	520HF	Cr 0.11	Ax 0.10	UTS -1.6	SPEC-INT	13R
		00408	520HF	0.3 12	VOL	UTS -1.6	SPEC-INT	13R
		00408	520HF	Cr 0.16	Ax 0.20	UTS- 0.7	SPEC-INT	13R
		00408	520HF	0.5 20	VOL	UTS- 0.7	SPEC-INT	13R
		00307	540HF	0.6 2	INR	UTS+ 1.3	540-MIZ30	13R
		00315	520HF	Cr 0.21	Ax 0.15	UTS+ 2.5	SPEC-INT	13R
		00315	520HF	0.6 24	VOL	UTS+ 2.5	SPEC-INT	13R
		00307	540HF	0.5 8	ID 27	UTS+ 2.6	540-MIZ30	13R
		00315	520HF	0.3 6	VOL	ETL -6.1	SPEC-INT	13R
		00315	520HF	Cr 0.21	Ax 0.19	ETL -6.1	SPEC-INT	13R
		00315	520HF	0.5 37	VOL	UTS+ 5.2	SPEC-INT	13R
		00315	520HF	Cr 0.26	Ax 0.19	UTS+ 5.2	SPEC-INT	13R
		00307	540HF	0.6 9	ID 30	UTS+ 5.3	540-MIZ30	13R
109	81	00134	510UL	8.6 172	DNT	LTS- 0.2	510-MIZ30	13R
109	91	00279	520HF	0.8 85	MBM	02S+ 20.7	SPEC-INT	13R
		00134	510UL	1.8 80	ADI	02S+ 20.8	510-MIZ30	13R
		00134	510UL	0.2 110	NQI	02S+ 25.4	510-MIZ30	13R
		00279	520HF	0.0 0	NDF	02S+ 25.4	SPEC-INT	13R
109	112	00309	540HF	0.5 4	INR	04S+ 4.8	540-MIZ30	13R
		00309	540HF	0.6 358	INR	06S+ 13.9	540-MIZ30	13R
110	22	00354	510UL	1.8 90	INR	15S+ 3.8	510-MIZ30	13R
110	28	00150	510UL	1.3 104	INR	LTS+ 11.6	510-MIZ30	13R
		00350	510UL	1.3 91	INR	LTS+ 11.6	510-MIZ30	13R
110	30	00312	510UL	1.4 90	INR	LTS+ 40.1	510-MIZ30	13R
110	34	00150	510UL	1.7 96	INR	01S+ 21.3	510-MIZ30	13R
110	62	00136	510UL	5.7 173	DNT	LTE+ 9.9	510-MIZ30	13R
110	63	00134	510UL	5.6 175	DNT	LTE+ 10.2	510-MIZ30	13R
110	**67**	00303	540HF	1.4 7	ID 23	15S+ 41.7	540-MIZ30	13R
		00134	510UL	1.5 8	ID 27	15S+ 41.8	510-MIZ30	13R
		00349	520HF	1.8 26	VOL	UTS -4.7	SPEC-INT	13R
		00349	520HF	Cr 0.28	Ax 0.18	UTS -4.7	SPEC-INT	13R
110	80	00136	510UL	3.2 173	DNT	LTS- 0.2	510-MIZ30	13R
110	81	00134	510UL	6.5 172	DNT	LTS- 0.1	510-MIZ30	13R

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111	18	00354	510UL	2.0	7	INR	13S+ 26.8	510-MIZ30	13R
111	61	00134	510UL	6.6	175	DNT	LTE+ 9.9	510-MIZ30	13R
111	63	00136	510UL	5.7	172	DNT	LTE+ 10.1	510-MIZ30	13R
111	111	00092	510UL	0.6	106	INR	LTE+ 8.8	510-MIZ30	13R
111	113	00092	510UL	0.4	93	NQI	13S- 0.8	510-MIZ30	13R
		00279	520HF	0.6	0	WAR 12	13S- 0.7	SPEC-INT	13R
111	114	00309	540HF	0.3	109	INR	10S- 0.6	540-MIZ30	13R
		00309	540HF	0.5	83	NQI	10S+ 0.7	540-MIZ30	13R
		00347	520HF	0.5	0	WAR 19	10S+ 0.7	SPEC-INT	13R
112	1	00342	510UL	0.2	94	NQI	15S+ 0.2	510-MIZ30	13R
		00408	520HF	0.0	0	NDF	15S+ 0.2	SPEC-INT	13R
112	47	00152	510UL	0.6	75	ADI	08S+ 20.6	510-MIZ30	13R
		00315	520HF	0.0	0	NDF	09S -18.4	SPEC-INT	13R
112	62	00136	510UL	4.5	173	DNT	LTE+ 10.4	510-MIZ30	13R
112	63	00134	510UL	6.4	175	DNT	LTE+ 10.1	510-MIZ30	13R
112	72	00136	510UL	3.5	185	DNT	10S+ 7.2	510-MIZ30	13R
112	108	00092	510UL	0.3	84	NQI	08S- 0.3	510-MIZ30	13R
		00279	520HF	0.4	0	WAR 6	08S- 0.2	SPEC-INT	13R
112	112	00092	510UL	1.8	84	NQI	09S+ 0.0	510-MIZ30	13R
		00347	520HF	1.2	0	WAR 33	09S+ 0.0	SPEC-INT	13R
		00279	520HF	1.2	0	WAR 28	13S- 0.8	SPEC-INT	13R
		00092	510UL	1.1	75	NQI	13S+ 0.0	510-MIZ30	13R
		00347	520HF	1.1	0	WAR 30	13S+ 0.0	SPEC-INT	13R
112	113	00094	510UL	0.3	79	NQI	12S- 0.8	510-MIZ30	13R
		00279	520HF	0.0	0	NDF	12S- 0.8	SPEC-INT	13R
		00279	520HF	0.5	0	WAR 11	13S- 0.8	SPEC-INT	13R
		00094	510UL	0.4	77	NQI	13S- 0.8	510-MIZ30	13R
112	116	00092	510UL	0.3	87	NQI	06S+ 0.7	510-MIZ30	13R
		00279	520HF	0.3	0	WAR 2	06S+ 0.8	SPEC-INT	13R
113	*2*	*00408*	*520HF*	*0.0*	*0*	*PRA*	*14S+ 27.9*	*SPEC-INT*	*13R*
		00361	*520HF*	*1.2*	*0*	*LEN*	*14S+ 28.0*	*SPEC-INT*	*13R*
		00361	*520HF*	*0.9*	*82*	*SAI*	*14S+ 28.0*	*SPEC-INT*	*13R*
		00340	*510UL*	*0.7*	*79*	*OD 53*	*14S+ 28.4*	*510-MIZ30*	*13R*
		00340	*510UL*	*0.7*	*89*	*NQI*	*14S+ 28.4*	*510-MIZ30*	*13R*
		00426	*510UL*	*1.6*	*53*	*NQI*	*14S+ 28.4*	*510-MIZ30*	*13R*
		00426	*510UL*	*1.6*	*59*	*OD 72*	*14S+ 28.4*	*510-MIZ30*	*13R*
		00340	*510UL*	*0.2*	*65*	*OD 67*	*14S+ 28.8*	*510-MIZ30*	*13R*
		00426	*510UL*	*0.3*	*106*	*OD 18*	*14S+ 28.8*	*510-MIZ30*	*13R*
		00426	*510UL*	*0.2*	*65*	*OD 66*	*14S+ 30.1*	*510-MIZ30*	*13R*
		00340	*510UL*	*0.3*	*112*	*OD 13*	*14S+ 30.3*	*510-MIZ30*	*13R*
		00426	*510UL*	*0.5*	*75*	*OD 55*	*14S+ 30.3*	*510-MIZ30*	*13R*
		00340	*510UL*	*0.1*	*65*	*OD 67*	*14S+ 30.5*	*510-MIZ30*	*13R*
		00426	*510UL*	*0.1*	*61*	*70*	*14S+ 30.6*	*510-MIZ30*	*13R*
		00340	*510UL*	*0.2*	*117*	*OD 6*	*14S+ 32.2*	*510-MIZ30*	*13R*
		00426	*510UL*	*0.3*	*99*	*OD 27*	*14S+ 32.2*	*510-MIZ30*	*13R*
		00426	*510UL*	*0.1*	*81*	*OD 49*	*14S+ 32.5*	*510-MIZ30*	*13R*
		00340	*510UL*	*0.1*	*79*	*OD 53*	*14S+ 32.5*	*510-MIZ30*	*13R*
113	12	00352	510UL	0.6	87	NQI	LTE+ 11.7	510-MIZ30	13R
		00408	520HF	0.0	0	NDF	LTE+ 11.7	SPEC-INT	13R
113	22	00292	510UL	1.6	3	INR	LTS+ 1.3	510-MIZ30	13R

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		00352	510UL	2.7	6	INR	LTS+ 1.3	510-MIZ30	13R
113	72	00134	510UL	0.6	82	INR	07S+ 11.9	510-MIZ30	13R
113	77	00279	520HF	0.6	0	WAR 13	03S+ 0.7	SPEC-INT	13R
		00136	510UL	1.0	68	NQI	03S+ 0.7	510-MIZ30	13R
113	114	00092	510UL	0.7	69	NQI	12S- 0.8	510-MIZ30	13R
		00279	520HF	0.8	0	WAR 18	12S- 0.7	SPEC-INT	13R
113	115	00094	510UL	0.2	87	NQI	12S- 0.7	510-MIZ30	13R
		00279	520HF	0.0	0	NDF	12S- 0.7	SPEC-INT	13R
		00094	510UL	0.3	85	NQI	13S- 0.8	510-MIZ30	13R
		00347	520HF	0.1	0	WAR 4	13S- 0.7	SPEC-INT	13R
114	29	00152	510UL	1.5	77	ADI	15S+ 9.9	510-MIZ30	13R
		00315	520HF	0.0	0	NDF	15S+ 9.9	SPEC-INT	13R
114	38	00150	510UL	0.2	75	NQI	06S+ 0.7	510-MIZ30	13R
		00315	520HF	0.6	0	WAR 11	06S+ 0.7	SPEC-INT	13R
114	61	00279	520HF	0.3	0	WAR 3	07S+ 0.7	SPEC-INT	13R
		00144	510UL	0.4	66	NQI	07S+ 0.7	510-MIZ30	13R
114	110	00094	510UL	0.2	62	NQI	08S+ 0.3	510-MIZ30	13R
		00279	520HF	0.0	0	NDF	08S+ 0.3	SPEC-INT	13R
		00094	510UL	0.2	72	NQI	12S- 0.8	510-MIZ30	13R
		00279	520HF	0.0	0	NDF	12S- 0.8	SPEC-INT	13R
114	114	00094	510UL	0.2	69	NQI	13S- 0.8	510-MIZ30	13R
		00279	520HF	0.0	0	NDF	13S- 0.8	SPEC-INT	13R
114	115	00094	510UL	0.3	82	NQI	10S+ 0.6	510-MIZ30	13R
		00347	520HF	0.4	0	WAR 17	10S+ 0.8	SPEC-INT	13R
115	24	00292	510UL	0.2	64	NQI	06S+ 0.6	510-MIZ30	13R
		00408	520HF	1.3	0	WAR 20	06S+ 0.8	SPEC-INT	13R
115	32	00292	510UL	0.2	88	INR	10S+ 0.0	510-MIZ30	13R
115	33	00294	510UL	2.7	184	DNT	LTS+ 23.5	510-MIZ30	13R
115	110	00309	540HF	0.5	97	NQI	12S- 0.8	540-MIZ30	13R
		00347	520HF	0.5	0	WAR 18	12S- 0.7	SPEC-INT	13R
		00309	540HF	0.3	85	NQI	13S- 0.8	540-MIZ30	13R
		00347	520HF	0.6	0	WAR 22	13S- 0.8	SPEC-INT	13R
116	8	00408	520HF	0.4	0	WAR 8	09S- 0.4	SPEC-INT	13R
		00292	510UL	0.2	111	NQI	09S- 0.3	510-MIZ30	13R
116	12	00292	510UL	2.7	85	ADI	03S+ 13.2	510-MIZ30	13R
		00408	520HF	0.0	0	NDF	03S+ 13.2	SPEC-INT	13R
116	40	00294	510UL	0.6	97	INR	09S+ 29.8	510-MIZ30	13R
116	50	00374	510UL	1.1	79	ADI	15S+ 33.2	510-MIZ30	13R
		00351	520HF	0.0	0	NDF	UTS -12.8	SPEC-INT	13R
116	60	00347	520HF	0.0	0	NDF	LTS -16.8	SPEC-INT	13R
		00206	510UL	0.2	96	NQI	LTE+ 7.2	510-MIZ30	13R
116	108	00178	510UL	0.3	82	NQI	09S- 0.8	510-MIZ30	13R
		00347	520HF	0.6	0	WAR 9	09S- 0.6	SPEC-INT	13R
116	111	00174	510UL	0.2	78	NQI	09S+ 0.4	510-MIZ30	13R
		00347	520HF	0.5	0	WAR 18	09S+ 0.4	SPEC-INT	13R
117	21	00292	510UL	3.1	182	DNT	LTS+ 31.8	510-MIZ30	13R
117	44	00294	510UL	0.2	101	NQI	UTS+ 3.4	510-MIZ30	13R
		00351	520HF	0.0	0	NDF	UTS+ 3.4	SPEC-INT	13R
117	56	00294	510UL	0.9	2	INR	12S+ 14.1	510-MIZ30	13R
		00309	540HF	0.6	4	INR	12S+ 14.5	540-MIZ30	13R

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117	74	00204	510UL	1.7 48	INR	12S+ 32.8	510-MIZ30	13R
117	77	00347	520HF	0.0 0	NDF	LTS -17.5	SPEC-INT	13R
		00206	510UL	0.2 99	NQI	LTE+ 6.5	510-MIZ30	13R
117	96	00178	510UL	0.1 187	INR	07S+ 0.6	510-MIZ30	13R
118	6	00292	510UL	1.9 358	INR	LTE+ 41.5	510-MIZ30	13R
118	101	00309	540HF	0.8 1	INR	11S+ 4.9	540-MIZ30	13R
		00309	540HF	2.0 2	INR	11S+ 23.8	540-MIZ30	13R
		00309	540HF	0.4 9	INR	11S+ 33.1	540-MIZ30	13R
		00309	540HF	1.1 3	INR	12S+ 2.6	540-MIZ30	13R
		00309	540HF	0.9 4	INR	12S+ 9.6	540-MIZ30	13R
		00309	540HF	0.6 355	INR	12S+ 13.0	540-MIZ30	13R
119	2	00292	510UL	2.8 173	DNT	LTE+ 8.5	510-MIZ30	13R
119	103	00178	510UL	1.5 82	INR	LTS+ 41.9	510-MIZ30	13R
119	108	00178	510UL	1.2 62	NQI	06S+ 0.7	510-MIZ30	13R
		00347	520HF	0.5 0	WAR 19	06S+ 0.7	SPEC-INT	13R
120	78	00206	510UL	0.1 95	NQI	07S- 0.4	510-MIZ30	13R
		00347	520HF	0.2 0	WAR 8	07S- 0.3	SPEC-INT	13R
120	*93*	*00420*	*520HF*	*0.1 79*	*PID*	*04S- 0.9*	*SPEC-INT*	*13R*
		00347	*520HF*	*0.2 65*	*SVI*	*04S- 0.9*	*SPEC-INT*	*13R*
		00347	*520HF*	*Cr 0.28*	*Ax 0.13*	*04S- 0.9*	*SPEC-INT*	*13R*
		00178	*510UL*	*0.5 62*	*NQI*	*04S- 0.9*	*510-MIZ30*	*13R*
		00178	*510UL*	*0.4 85*	*NQI*	*04S- 0.6*	*510-MIZ30*	*13R*
		00408	*520HF*	*0.4 60*	*PID*	*04S- 0.6*	*SPEC-INT*	*13R*
		00347	*520HF*	*0.3 60*	*SVI*	*04S- 0.6*	*SPEC-INT*	*13R*
		00347	*520HF*	*Cr 0.23*	*Ax 0.11*	*04S- 0.6*	*SPEC-INT*	*13R*
121	1	00302	510UL	2.6 174	DNT	LTE+ 9.1	510-MIZ30	13R
121	69	00309	540HF	0.5 6	INR	01S+ 7.3	540-MIZ30	13R
121	94	00178	510UL	1.6 93	INR	13S+ 5.8	510-MIZ30	13R
122	3	00302	510UL	4.8 185	DNT	10S+ 12.3	510-MIZ30	13R
		00408	520HF	0.0 0	NDF	10S+ 12.3	SPEC-INT	13R
122	28	00288	510UL	6.1 176	DNT	LTE+ 11.0	510-MIZ30	13R
122	29	00286	510UL	6.2 176	DNT	LTE+ 11.1	510-MIZ30	13R
122	102	00184	510UL	0.2 114	INR	15S+ 0.3	510-MIZ30	13R
123	27	00286	510UL	4.7 173	DNT	LTE+ 11.0	510-MIZ30	13R
123	29	00286	510UL	6.6 175	DNT	LTE+ 11.2	510-MIZ30	13R
123	76	00212	510UL	0.2 72	NQI	02S+ 0.7	510-MIZ30	13R
		00347	520HF	0.2 0	WAR 5	02S+ 0.7	SPEC-INT	13R
124	10	00300	510UL	0.3 68	INR	LTE+ 9.4	510-MIZ30	13R
124	26	00288	510UL	6.1 173	DNT	LTE+ 11.2	510-MIZ30	13R
124	27	00286	510UL	5.7 173	DNT	LTE+ 11.2	510-MIZ30	13R
124	32	00288	510UL	0.1 88	NQI	01S+ 13.8	510-MIZ30	13R
		00408	520HF	0.0 0	NDF	01S+ 13.8	SPEC-INT	13R
124	**36**	00307	540HF	0.6 7	ID 23	15S+ 45.1	540-MIZ30	13R
		00315	520HF	0.2 27	VOL	UTS -1.2	SPEC-INT	13R
		00315	520HF	Cr 0.31	Ax 0.24	UTS -1.2	SPEC-INT	13R
124	43	00286	510UL	0.5 112	INR	12S+ 23.2	510-MIZ30	13R
124	96	00184	510UL	0.4 87	NQI	09S- 0.1	510-MIZ30	13R
		00347	520HF	0.3 0	WAR 12	09S- 0.0	SPEC-INT	13R
125	1	00300	510UL	0.2 91	NQI	10S- 0.8	510-MIZ30	13R
		00408	520HF	0.0 0	NDF	10S- 0.8	SPEC-INT	13R

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125	6	00302	510UL	1.4 92	INR	02S+ 22.3	510-MIZ30	13R
125	38	00288	510UL	0.2 87	NQI	07S+ 0.2	510-MIZ30	13R
		00408	520HF	0.0 0	NDF	07S+ 0.2	SPEC-INT	13R
125	62	00212	510UL	0.3 31	NQI	01S+ 8.9	510-MIZ30	13R
		00347	520HF	0.0 0	NDF	01S+ 8.9	SPEC-INT	13R
125	98	00184	510UL	0.7 86	NQI	LTE+ 10.9	510-MIZ30	13R
		00347	520HF	0.0 0	NDF	LTS -13.1	SPEC-INT	13R
126	3	00302	510UL	0.3 85	NQI	10S+ 2.3	510-MIZ30	13R
		00408	520HF	0.0 0	NDF	10S+ 2.3	SPEC-INT	13R
126	33	00286	510UL	0.1 79	NQI	05S- 0.3	510-MIZ30	13R
		00408	520HF	0.0 0	NDF	05S- 0.3	SPEC-INT	13R
126	**46**	00251	520HF	0.3 11	VOL	ETL -1.0	KET12	13R
		00251	520HF	Cr 0.10	Ax 0.12	ETL -1.0	KET12	13R
126	94	00184	510UL	0.1 120	NQI	08S+ 0.7	510-MIZ30	13R
		00347	520HF	0.3 0	WAR 9	08S+ 0.7	SPEC-INT	13R
127	32	00278	510UL	0.8 99	INR	04S+ 21.7	510-MIZ30	13R
127	46	00278	510UL	3.9 182	DNT	LTE+ 17.9	510-MIZ30	13R
127	67	00212	510UL	3.5 186	DNT	LTE+ 4.2	510-MIZ30	13R
127	74	00214	510UL	0.1 110	NQI	07S+ 0.7	510-MIZ30	13R
		00347	520HF	0.2 0	WAR 8	07S+ 0.8	SPEC-INT	13R
127	92	00184	510UL	0.3 99	NQI	09S- 0.7	510-MIZ30	13R
		00347	520HF	0.2 0	WAR 5	09S- 0.7	SPEC-INT	13R
127	94	00347	520HF	0.2 0	WAR 5	09S- 0.7	SPEC-INT	13R
		00184	510UL	0.3 83	NQI	09S- 0.7	510-MIZ30	13R
128	1	00302	510UL	1.4 89	INR	01S+ 20.2	510-MIZ30	13R
128	5	00302	510UL	5.6 179	DNT	LTE+ 10.6	510-MIZ30	13R
128	6	00300	510UL	6.1 174	DNT	LTE+ 10.5	510-MIZ30	13R
128	29	00278	510UL	6.0 175	DNT	LTE+ 11.0	510-MIZ30	13R
128	30	00280	510UL	5.7 180	DNT	LTE+ 11.2	510-MIZ30	13R
128	31	00278	510UL	0.5 92	INR	LTE+ 13.8	510-MIZ30	13R
		00278	510UL	0.5 90	INR	LTE+ 18.9	510-MIZ30	13R
		00278	510UL	0.6 131	INR	14S+ 3.1	510-MIZ30	13R
128	37	00280	510UL	4.2 188	DNT	13S+ 8.7	510-MIZ30	13R
		00408	520HF	0.0 0	NDF	13S+ 8.7	SPEC-INT	13R
128	56	00212	510UL	4.0 179	DNT	LTE+ 9.3	510-MIZ30	13R
128	63	00309	540HF	0.6 2	INR	05S+ 5.6	540-MIZ30	13R
128	91	00184	510UL	0.2 71	NQI	09S- 0.8	510-MIZ30	13R
		00347	520HF	0.2 0	WAR 5	09S- 0.7	SPEC-INT	13R
129	3	00302	510UL	0.3 90	NQI	06S- 0.8	510-MIZ30	13R
		00408	520HF	0.4 0	WAR 8	06S- 0.7	SPEC-INT	13R
129	4	00300	510UL	4.8 175	DNT	LTE+ 10.8	510-MIZ30	13R
129	6	00300	510UL	5.7 173	DNT	LTE+ 10.7	510-MIZ30	13R
129	10	00300	510UL	0.1 90	INR	UTS+ 4.4	510-MIZ30	13R
129	28	00278	510UL	4.7 175	DNT	LTE+ 11.2	510-MIZ30	13R
129	30	00280	510UL	6.9 179	DNT	LTE+ 11.3	510-MIZ30	13R
129	55	00212	510UL	0.4 83	NQI	LTE+ 13.0	510-MIZ30	13R
		00347	520HF	0.0 0	NDF	LTS -11.0	SPEC-INT	13R
129	61	00212	510UL	0.3 150	INR	05S+ 24.4	510-MIZ30	13R
130	1	00302	510UL	0.6 73	NQI	12S- 0.9	510-MIZ30	13R
		00408	520HF	0.6 0	WAR 10	12S- 0.7	SPEC-INT	13R

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130	4	00300	510UL	5.3 175	DNT	LTE+ 10.6	510-MIZ30	13R
130	5	00302	510UL	5.4 177	DNT	LTE+ 10.8	510-MIZ30	13R
		00302	510UL	1.8 3	INR	14S+ 12.5	510-MIZ30	13R
130	28	00280	510UL	7.0 179	DNT	LTE+ 11.4	510-MIZ30	13R
130	29	00278	510UL	7.5 174	DNT	LTE+ 11.1	510-MIZ30	13R
130	87	00182	510UL	3.8 183	DNT	15S+ 22.7	510-MIZ30	13R
131	8	00302	510UL	1.7 185	INR	LTE+ 0.8	510-MIZ30	13R
131	10	00302	510UL	0.3 73	NQI	06S- 0.8	510-MIZ30	13R
		00408	520HF	0.0 0	NDF	06S- 0.8	SPEC-INT	13R
131	34	00280	510UL	0.3 55	INR	LTE+ 14.7	510-MIZ30	13R
131	51	00220	510UL	2.5 185	DNT	LTE+ 15.3	510-MIZ30	13R
131	79	00182	510UL	0.9 69	NQI	LTE+ 17.0	510-MIZ30	13R
		00347	520HF	0.0 0	NDF	LTS -7.0	SPEC-INT	13R
132	**21**	00307	540HF	0.5 8	ID 27	UTS+ 6.4	540-MIZ30	13R
		00249	520HF	0.6 23	VOL	ETL- 0.7	KET03	13R
		00249	520HF	Cr 0.32	Ax 0.24	ETL- 0.7	KET03	13R
		00315	520HF	0.0 0	PRA	ETL- 0.4	SPEC-INT	13R
132	25	00278	510UL	2.9 185	DNT	02S+ 12.4	510-MIZ30	13R
132	29	00278	510UL	2.9 171	DNT	LTE+ 9.4	510-MIZ30	13R
132	35	00278	510UL	1.1 91	INR	UTS -1.7	510-MIZ30	13R
132	37	00278	510UL	1.0 112	INR	03S+ 26.9	510-MIZ30	13R
132	47	00220	510UL	1.5 100	INR	02S+ 13.5	510-MIZ30	13R
132	83	00184	510UL	0.3 76	NQI	09S- 0.8	510-MIZ30	13R
		00347	520HF	0.0 0	NDF	09S- 0.8	SPEC-INT	13R
133	2	00300	510UL	0.3 58	NQI	10S- 0.9	510-MIZ30	13R
		00408	520HF	0.7 0	WAR 13	10S- 0.6	SPEC-INT	13R
133	28	00272	510UL	2.6 174	DNT	LTE+ 9.6	510-MIZ30	13R
133	70	00222	510UL	0.1 110	INR	13S- 0.9	510-MIZ30	13R
133	78	00184	510UL	0.1 153	INR	15S+ 0.2	510-MIZ30	13R
134	8	00374	510UL	0.9 172	INR	13S+ 11.5	510-MIZ30	13R
134	25	00272	510UL	0.8 92	INR	12S+ 14.1	510-MIZ30	13R
134	26	00270	510UL	0.8 95	INR	14S+ 29.9	510-MIZ30	13R
134	58	00222	510UL	0.4 75	NQI	02S+ 0.7	510-MIZ30	13R
		00345	520HF	3.0 0	WAR 32	02S+ 0.8	SPEC-INT	13R
134	80	00184	510UL	1.4 92	NQI	LTE+ 15.2	510-MIZ30	13R
		00347	520HF	0.0 0	NDF	LTS -8.8	SPEC-INT	13R
135	2	00374	510UL	0.3 97	INR	15S+ 31.3	510-MIZ30	13R
135	10	00300	510UL	1.3 86	INR	15S+ 26.5	510-MIZ30	13R
135	15	00270	510UL	0.7 99	INR	03S+ 9.9	510-MIZ30	13R
136	1	00302	510UL	0.1 173	INR	06S+ 0.6	510-MIZ30	13R
136	**44**	00225	520HF	0.2 16	VOL	ETL- 0.9	KET12	13R
		00225	520HF	Cr 0.10	Ax 0.11	ETL- 0.9	KET12	13R
136	79	00184	510UL	0.3 83	NQI	LTE+ 4.2	510-MIZ30	13R
		00345	520HF	0.0 0	NDF	LTS -19.8	SPEC-INT	13R
137	2	00308	510UL	0.7 109	INR	12S+ 27.7	510-MIZ30	13R
137	6	00308	510UL	1.0 94	INR	LTS+ 39.7	510-MIZ30	13R
137	9	00270	510UL	0.3 71	NQI	09S- 0.8	510-MIZ30	13R
		00408	520HF	0.6 0	WAR 13	09S- 0.8	SPEC-INT	13R
137	69	00220	510UL	0.5 98	NQI	08S- 0.7	510-MIZ30	13R
		00345	520HF	2.1 0	WAR 24	08S- 0.6	SPEC-INT	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
137	**74**	00345	520HF	Cr 0.11	Ax 0.09	09S- 0.4	SPEC-INT	13R
		00345	520HF	1.2 21	VOL	09S- 0.4	SPEC-INT	13R
		00336	510UL	0.2 83	NQI	09S- 0.4	510-MIZ30	13R
138	15	00270	510UL	0.2 16	INR	08S- 0.5	510-MIZ30	13R
139	9	00266	510UL	0.3 76	NQI	09S- 0.8	510-MIZ30	13R
		00408	520HF	0.6 0	WAR 12	09S- 0.8	SPEC-INT	13R
139	**46**	00225	520HF	Cr 0.20	Ax 0.17	ETL- 0.4	KET06	13R
		00225	520HF	0.7 9	VOL	ETL- 0.4	KET06	13R
		00225	520HF	1.4 28	VOL	ETL- 0.0	KET06	13R
		00225	520HF	Cr 0.20	Ax 0.17	ETL- 0.0	KET06	13R
139	54	00246	510UL	4.6 179	DNT	13S+ 9.8	510-MIZ30	13R
		00345	520HF	0.0 0	NDF	13S+ 9.8	SPEC-INT	13R
140	1	00310	510UL	0.4 79	NQI	14S- 0.8	510-MIZ30	13R
		00408	520HF	0.0 0	NDF	14S- 0.8	SPEC-INT	13R
140	6	00266	510UL	0.1 83	NQI	15S+ 0.1	510-MIZ30	13R
		00408	520HF	0.0 0	NDF	15S+ 0.1	SPEC-INT	13R
140	7	00268	510UL	0.2 84	NQI	07S+ 0.3	510-MIZ30	13R
		00408	520HF	0.4 0	WAR 8	07S+ 0.3	SPEC-INT	13R
140	34	00268	510UL	0.3 80	NQI	LTE+ 6.3	510-MIZ30	13R
		00408	520HF	0.0 0	NDF	LTE+ 6.3	SPEC-INT	13R
140	35	00408	520HF	0.7 103	MBM	02S+ 28.5	SPEC-INT	13R
		00266	510UL	1.8 87	ADI	02S+ 28.9	510-MIZ30	13R
141	1	00310	510UL	0.4 65	NQI	06S+ 0.6	510-MIZ30	13R
		00408	520HF	0.9 0	WAR 15	06S+ 0.8	SPEC-INT	13R
141	3	00308	510UL	0.1 62	INR	11S+ 0.6	510-MIZ30	13R
141	16	00266	510UL	1.3 90	ADI	01S+ 19.8	510-MIZ30	13R
		00408	520HF	0.8 108	MBM	01S+ 19.8	SPEC-INT	13R
141	52	00248	510UL	2.3 184	INR	LTS+ 4.3	510-MIZ30	13R
142	17	00268	510UL	2.5 175	DNT	LTE+ 10.0	510-MIZ30	13R
142	33	00268	510UL	0.3 58	NQI	06S+ 0.6	510-MIZ30	13R
		00351	520HF	0.6 0	WAR 14	06S+ 0.7	SPEC-INT	13R
142	54	00246	510UL	0.6 91	INR	LTE+ 7.2	510-MIZ30	13R
143	13	00266	510UL	5.6 178	DNT	LTE+ 11.1	510-MIZ30	13R
143	14	00268	510UL	6.0 177	DNT	LTE+ 10.6	510-MIZ30	13R
143	19	00266	510UL	0.8 81	ADI	13S+ 8.5	510-MIZ30	13R
		00351	520HF	0.0 0	NDF	13S+ 8.5	SPEC-INT	13R
		00266	510UL	0.7 99	INR	13S+ 11.4	510-MIZ30	13R
143	**43**	00309	540HF	0.3 6	ID 20	06S+ 5.8	540-MIZ30	13R
		00297	520HF	0.3 15	VOL	06S+ 6.4	SPEC-INT	13R
		00297	520HF	Cr 0.16	Ax 0.14	06S+ 6.4	SPEC-INT	13R
		00309	540HF	0.2 4	INR	06S+ 18.1	540-MIZ30	13R
		00297	520HF	0.3 13	VOL	06S+ 19.2	SPEC-INT	13R
		00297	520HF	Cr 0.16	Ax 0.14	06S+ 19.2	SPEC-INT	13R
		00309	540HF	0.3 5	BVC	06S+ 21.1	540-MIZ30	13R
		00345	520HF	0.0 0	NDF	06S+ 21.1	SPEC-INT	13R
		00297	520HF	Cr 0.16	Ax 0.14	06S+ 22.2	SPEC-INT	13R
		00297	520HF	0.2 22	VOL	06S+ 22.2	SPEC-INT	13R
		00309	540HF	0.2 2	INR	07S+ 15.0	540-MIZ30	13R
		00309	540HF	0.3 3	INR	08S- 0.3	540-MIZ30	13R
		00345	520HF	Cr 0.12	Ax 0.13	08S+ 14.4	SPEC-INT	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00345	520HF	1.5 41	VOL	08S+ 14.4	SPEC-INT	13R
		00309	540HF	0.3 6	ID 20	08S+ 14.4	540-MIZ30	13R
		00345	520HF	Cr 0.12	Ax 0.13	08S+ 25.9	SPEC-INT	13R
		00345	520HF	2.6 13	VOL	08S+ 25.9	SPEC-INT	13R
		00309	540HF	0.2 6	ID 20	08S+ 26.0	540-MIZ30	13R
		00345	520HF	2.0 24	VOL	08S+ 31.9	SPEC-INT	13R
		00345	520HF	Cr 0.12	Ax 0.09	08S+ 31.9	SPEC-INT	13R
		00309	540HF	0.3 11	ID 37	08S+ 31.9	540-MIZ30	13R
		00309	540HF	0.3 3	INR	09S+ 1.7	540-MIZ30	13R
		00309	540HF	0.3 2	INR	09S+ 35.2	540-MIZ30	13R
		00309	540HF	0.4 1	INR	10S+ 7.9	540-MIZ30	13R
		00297	520HF	Cr 0.11	Ax 0.10	10S+ 8.1	SPEC-INT	13R
		00297	520HF	0.3 14	VOL	10S+ 8.1	SPEC-INT	13R
		00309	540HF	0.3 2	INR	10S+ 24.5	540-MIZ30	13R
		00297	520HF	0.3 7	VOL	10S+ 25.2	SPEC-INT	13R
		00297	520HF	Cr 0.16	Ax 0.14	10S+ 25.2	SPEC-INT	13R
		00309	540HF	0.3 2	INR	10S+ 30.0	540-MIZ30	13R
		00297	520HF	Cr 0.16	Ax 0.14	10S+ 30.9	SPEC-INT	13R
		00297	520HF	0.2 26	VOL	10S+ 30.9	SPEC-INT	13R
		00345	520HF	Cr 0.12	Ax 0.09	12S+ 0.2	SPEC-INT	13R
		00345	520HF	4.6 20	VOL	12S+ 0.2	SPEC-INT	13R
		00309	540HF	0.3 7	ID 23	12S+ 0.2	540-MIZ30	13R
		00309	540HF	0.3 3	INR	14S+ 32.6	540-MIZ30	13R
		00309	540HF	0.3 3	INR	15S+ 7.5	540-MIZ30	13R
		00309	540HF	0.3 2	INR	15S+ 39.2	540-MIZ30	13R
143	44	00248	510UL	0.2 76	NQI	09S- 0.8	510-MIZ30	13R
		00345	520HF	1.8 0	WAR 21	09S- 0.7	SPEC-INT	13R
144	10	00260	510UL	5.4 177	DNT	LTE+ 10.7	510-MIZ30	13R
144	12	00260	510UL	6.8 176	DNT	LTE+ 10.7	510-MIZ30	13R
144	38	00246	510UL	3.3 183	DNT	LTE+ 11.4	510-MIZ30	13R
		00246	510UL	0.2 89	NQI	02S+ 23.0	510-MIZ30	13R
		00345	520HF	0.0 0	NDF	02S+ 23.0	SPEC-INT	13R
		00345	520HF	1.0 0	WAR 13	09S- 0.5	SPEC-INT	13R
		00246	510UL	0.1 57	NQI	09S- 0.3	510-MIZ30	13R
144	42	00345	520HF	1.0 0	WAR 13	09S- 0.8	SPEC-INT	13R
		00246	510UL	0.2 57	NQI	09S- 0.4	510-MIZ30	13R
144	44	00246	510UL	0.2 75	NQI	09S- 0.3	510-MIZ30	13R
		00345	520HF	0.0 0	NDF	09S- 0.3	SPEC-INT	13R
144	49	00309	540HF	0.5 79	NQI	06S+ 0.8	540-MIZ30	13R
		00345	520HF	1.6 0	WAR 20	06S+ 0.9	SPEC-INT	13R
145	9	00258	510UL	5.8 175	DNT	LTE+ 10.7	510-MIZ30	13R
145	10	00260	510UL	6.0 176	DNT	LTE+ 10.8	510-MIZ30	13R
145	37	00250	510UL	1.8 85	ADI	13S+ 11.4	510-MIZ30	13R
		00345	520HF	0.0 0	NDF	13S+ 11.4	SPEC-INT	13R
145	45	00250	510UL	0.2 91	NQI	07S- 0.4	510-MIZ30	13R
		00345	520HF	0.0 0	NDF	07S- 0.4	SPEC-INT	13R
145	46	00252	510UL	0.5 83	NQI	LTE+ 5.7	510-MIZ30	13R
		00345	520HF	0.0 0	NDF	LTS -18.3	SPEC-INT	13R
		00345	520HF	0.0 0	NDF	LTS -3.2	SPEC-INT	13R
145	51	00250	510UL	0.3 80	NQI	LTE+ 13.8	510-MIZ30	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00345	520HF	0.0 0	NDF	LTS -10.2	SPEC-INT	13R
146	14	00260	510UL	0.3 66	NQI	09S- 0.9	510-MIZ30	13R
		00351	520HF	0.5 0	WAR 12	09S- 0.8	SPEC-INT	13R
146	20	00260	510UL	0.2 72	NQI	09S- 0.9	510-MIZ30	13R
		00351	520HF	0.5 0	WAR 11	09S- 0.8	SPEC-INT	13R
146	22	00351	520HF	0.5 0	WAR 12	09S- 0.8	SPEC-INT	13R
		00260	510UL	0.2 49	NQI	09S- 0.8	510-MIZ30	13R
146	23	00258	510UL	0.1 69	NQI	09S- 0.8	510-MIZ30	13R
		00351	520HF	0.4 0	WAR 9	09S- 0.7	SPEC-INT	13R
146	29	00345	520HF	1.0 0	WAR 13	09S- 0.6	SPEC-INT	13R
		00250	510UL	0.4 77	NQI	09S- 0.5	510-MIZ30	13R
146	35	00250	510UL	3.6 183	DNT	LTS+ 9.9	510-MIZ30	13R
146	**37**	00309	540HF	0.4 2	INR	04S+ 5.8	540-MIZ30	13R
		00309	540HF	0.3 8	BVC	06S+ 20.6	540-MIZ30	13R
		00345	520HF	Cr 0.17	Ax 0.13	06S+ 20.7	SPEC-INT	13R
		00345	520HF	1.3 22	VOL	06S+ 20.7	SPEC-INT	13R
		00297	520HF	0.2 15	VOL	09S -8.0	SPEC-INT	13R
		00297	520HF	Cr 0.16	Ax 0.15	09S -8.0	SPEC-INT	13R
		00309	540HF	0.3 13	INR	08S+ 31.4	540-MIZ30	13R
		00309	540HF	0.3 3	INR	09S+ 3.2	540-MIZ30	13R
		00309	540HF	0.3 359	INR	10S+ 8.1	540-MIZ30	13R
		00309	540HF	0.3 3	INR	11S+ 1.1	540-MIZ30	13R
		00309	540HF	0.5 4	INR	12S+ 7.3	540-MIZ30	13R
		00297	520HF	Cr 0.16	Ax 0.19	12S+ 7.5	SPEC-INT	13R
		00297	520HF	0.4 12	VOL	12S+ 7.5	SPEC-INT	13R
146	41	00345	520HF	0.0 0	NDF	LTS -9.4	SPEC-INT	13R
		00250	510UL	0.3 67	NQI	LTE+ 15.6	510-MIZ30	13R
		00345	520HF	0.9 0	WAR 11	09S- 0.8	SPEC-INT	13R
		00250	510UL	0.2 63	NQI	09S- 0.8	510-MIZ30	13R
146	51	00252	510UL	0.3 89	NQI	LTE+ 16.8	510-MIZ30	13R
		00345	520HF	0.0 0	NDF	LTS -7.2	SPEC-INT	13R
147	2	00260	510UL	0.5 92	INR	LTE+ 15.4	510-MIZ30	13R
		00260	510UL	0.3 47	NQI	11S+ 0.6	510-MIZ30	13R
		00408	520HF	0.2 68	WAR 6	11S+ 0.7	SPEC-INT	13R
147	9	00351	520HF	0.4 0	WAR 9	09S- 0.5	SPEC-INT	13R
		00260	510UL	0.3 80	NQI	09S- 0.4	510-MIZ30	13R
147	18	00258	510UL	0.1 74	NQI	09S- 0.8	510-MIZ30	13R
		00351	520HF	0.5 0	WAR 12	09S- 0.8	SPEC-INT	13R
147	19	00260	510UL	0.3 81	NQI	13S- 0.8	510-MIZ30	13R
		00351	520HF	0.9 0	WAR 20	13S- 0.8	SPEC-INT	13R
147	20	00258	510UL	0.4 86	NQI	12S- 0.8	510-MIZ30	13R
		00351	520HF	0.0 0	NDF	12S- 0.8	SPEC-INT	13R
147	22	00258	510UL	0.1 84	NQI	09S- 0.4	510-MIZ30	13R
		00351	520HF	0.0 0	NDF	09S- 0.4	SPEC-INT	13R
147	29	00252	510UL	0.3 74	NQI	09S- 0.2	510-MIZ30	13R
		00345	520HF	0.8 0	WAR 11	09S- 0.1	SPEC-INT	13R
147	37	00250	510UL	0.2 267	INR	10S- 0.7	510-MIZ30	13R
147	43	00250	510UL	0.1 84	NQI	09S- 0.3	510-MIZ30	13R
		00345	520HF	0.0 0	NDF	09S- 0.3	SPEC-INT	13R
148	2	00258	510UL	1.0 97	INR	11S+ 11.4	510-MIZ30	13R

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148	15	00260	510UL	0.3 40	NQI	09S- 0.8	510-MIZ30	13R
		00351	520HF	0.5 0	WAR 12	09S- 0.7	SPEC-INT	13R
148	18	00258	510UL	0.4 28	INR	14S+ 10.5	510-MIZ30	13R
148	30	00252	510UL	3.3 178	DNT	LTS+ 16.5	510-MIZ30	13R
148	**32**	00297	520HF	0.0 0	NDF	07S+ 27.2	SPEC-INT	13R
		00309	540HF	0.4 1	INR	07S+ 27.2	540-MIZ30	13R
		00297	520HF	Cr 0.16	Ax 0.20	07S+ 28.5	SPEC-INT	13R
		00297	520HF	0.2 22	VOL	07S+ 28.5	SPEC-INT	13R
		00309	540HF	0.3 359	INR	08S+ 15.6	540-MIZ30	13R
		00297	520HF	0.2 21	VOL	08S+ 16.1	SPEC-INT	13R
		00297	520HF	Cr 0.11	Ax 0.10	08S+ 16.1	SPEC-INT	13R
		00297	520HF	Cr 0.16	Ax 0.14	08S+ 21.7	SPEC-INT	13R
		00297	520HF	0.2 18	VOL	08S+ 21.7	SPEC-INT	13R
		00309	540HF	0.2 8	INR	09S+ 3.6	540-MIZ30	13R
		00345	520HF	2.0 16	VOL	09S+ 3.8	SPEC-INT	13R
		00345	520HF	Cr 0.12	Ax 0.13	09S+ 3.8	SPEC-INT	13R
		00345	520HF	Cr 0.10	Ax 0.10	09S+ 9.5	SPEC-INT	13R
		00345	520HF	0.2 25	VOL	09S+ 9.5	SPEC-INT	13R
		00309	540HF	0.4 12	BVC	09S+ 17.8	540-MIZ30	13R
		00345	520HF	2.5 24	VOL	09S+ 17.9	SPEC-INT	13R
		00345	520HF	Cr 0.12	Ax 0.13	09S+ 17.9	SPEC-INT	13R
		00309	540HF	0.3 7	BVC	10S+ 17.3	540-MIZ30	13R
		00345	520HF	2.1 24	VOL	10S+ 17.4	SPEC-INT	13R
		00345	520HF	Cr 0.12	Ax 0.13	10S+ 17.4	SPEC-INT	13R
149	**1**	00259	520HF	Cr 0.14	Ax 0.12	ETL -1.0	KET12	13R
		00259	520HF	0.3 19	VOL	ETL -1.0	KET12	13R
149	12	00260	510UL	0.3 66	NQI	09S- 0.8	510-MIZ30	13R
		00351	520HF	0.5 0	WAR 13	09S- 0.8	SPEC-INT	13R
149	20	00252	510UL	0.2 64	NQI	09S- 0.8	510-MIZ30	13R
		00345	520HF	0.9 0	WAR 12	09S- 0.8	SPEC-INT	13R
149	31	00250	510UL	1.4 87	ADI	02S+ 24.8	510-MIZ30	13R
		00345	520HF	0.0 0	NDF	02S+ 24.8	SPEC-INT	13R
150	9	00258	510UL	0.2 45	INR	03S+ 0.8	510-MIZ30	13R
150	**25**	00309	540HF	0.3 15	BVC	07S+ 16.0	540-MIZ30	13R
		00297	520HF	0.3 13	VOL	07S+ 16.9	SPEC-INT	13R
		00297	520HF	Cr 0.16	Ax 0.15	07S+ 16.9	SPEC-INT	13R
		00345	520HF	0.0 0	PRA	07S+ 16.9	SPEC-INT	13R
		00309	540HF	0.3 7	INR	07S+ 34.2	540-MIZ30	13R
		00345	520HF	1.7 29	VOL	08S+ 1.5	SPEC-INT	13R
		00345	520HF	Cr 0.23	Ax 0.15	08S+ 1.5	SPEC-INT	13R
		00309	540HF	0.4 6	ID 20	08S+ 1.5	540-MIZ30	13R
		00309	540HF	0.3 355	INR	08S+ 37.4	540-MIZ30	13R
		00309	540HF	0.4 1	INR	09S+ 23.5	540-MIZ30	13R
150	27	00374	510UL	3.2 170	DNT	LTE+ 9.7	510-MIZ30	13R
151	1	00258	510UL	0.3 84	NQI	11S- 0.8	510-MIZ30	13R
		00351	520HF	0.4 0	WAR 8	11S- 0.6	SPEC-INT	13R
151	5	00258	510UL	0.2 58	NQI	12S- 0.1	510-MIZ30	13R
		00351	520HF	0.2 0	WAR 5	12S- 0.1	SPEC-INT	13R
151	6	00260	510UL	0.2 121	INR	15S- 0.0	510-MIZ30	13R

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This appendix provides information for recorded tubing indications located at ETL 0.0" or above. ETL is the location in the tube where the kinetic expansion transitions from fully expanded to the start of the expansion transition. "Cr" in this appendix indicates a circumferential measurement for a volumetric indication and "Ax" indicates an axial measurement for a volumetric indication. The definition of other codes may be located in Appendix I.

Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
3	16	00187	520HF	Cr 0.13	Ax 0.18	ETL+ 0.5	KET12	13R
		00187	520HF	0.5 22	VOL	ETL+ 0.5	KET12	13R
		00187	520HF	0.5 22	ID 36	ETL+ 0.5	KET12	13R
		00187	520HF	Cr 0.13	Ax 0.10	ETL+ 0.6	KET12	13R
		00187	520HF	0.5 19	VOL	ETL+ 0.6	KET12	13R
		00187	520HF	0.5 19	ID 28	ETL+ 0.6	KET12	13R
		00187	520HF	Cr 0.18	Ax 0.18	ETL+ 1.2	KET12	13R
		00187	520HF	0.5 25	ID 44	ETL+ 1.2	KET12	13R
		00187	520HF	0.5 25	VOL	ETL+ 1.2	KET12	13R
3	17	00121	520HF	0.7 12	ID 13	ETL+ 2.2	KET12	13R
		00121	520HF	Cr 0.15	Ax 0.15	ETL+ 2.2	KET12	13R
		00121	520HF	0.7 12	VOL	ETL+ 2.2	KET12	13R
		00121	520HF	0.9 18	VOL	ETL+ 3.1	KET12	13R
		00121	520HF	0.9 18	ID 25	ETL+ 3.1	KET12	13R
		00121	520HF	Cr 0.20	Ax 0.15	ETL+ 3.1	KET12	13R
5	6	00119	520HF	0.5 26	ID 49	ETL+ 0.3	KET12	13R
		00119	520HF	Cr 0.19	Ax 0.11	ETL+ 0.3	KET12	13R
		00119	520HF	0.5 26	VOL	ETL+ 0.3	KET12	13R
		00119	520HF	Cr 0.19	Ax 0.23	ETL+ 3.7	KET12	13R
		00119	520HF	0.8 22	VOL	ETL+ 3.7	KET12	13R
		00119	520HF	0.8 22	ID 37	ETL+ 3.7	KET12	13R
5	36	00221	520HF	0.4 10	ID 11	ETL+ 2.1	KET12	13R
		00221	520HF	0.4 10	VOL	ETL+ 2.1	KET12	13R
		00221	520HF	Cr 0.11	Ax 0.10	ETL+ 2.1	KET12	13R
		00221	520HF	Cr 0.16	Ax 0.16	ETL+ 2.8	KET12	13R
		00221	520HF	0.3 23	ID 38	ETL+ 2.8	KET12	13R
		00221	520HF	0.3 23	VOL	ETL+ 2.8	KET12	13R
		00221	520HF	Cr 0.21	Ax 0.21	ETL+ 3.1	KET12	13R
		00221	520HF	0.5 20	VOL	ETL+ 3.1	KET12	13R
		00221	520HF	0.5 20	ID 31	ETL+ 3.1	KET12	13R
9	59	00288	520HF	0.4 17	VOL	ETL+ 0.5	SPEC-INT	13R
		00288	520HF	0.4 17	ID 25	ETL+ 0.5	SPEC-INT	13R
		00288	520HF	Cr 0.25	Ax 0.15	ETL+ 0.5	SPEC-INT	13R
		00288	520HF	Cr 0.19	Ax 0.20	ETL+ 3.5	SPEC-INT	13R
		00288	520HF	0.4 9	VOL	ETL+ 3.5	SPEC-INT	13R
		00288	520HF	0.4 9	ID 10	ETL+ 3.5	SPEC-INT	13R
10	40	00223	520HF	Cr 0.15	Ax 0.10	ETL+ 1.0	KET12	13R
		00223	520HF	3.7 17	ID 24	ETL+ 1.0	KET12	13R
		00223	520HF	3.7 17	VOL	ETL+ 1.0	KET12	13R
10	63	00221	520HF	0.7 17	VOL	ETL+ 1.4	KET12	13R
		00221	520HF	Cr 0.21	Ax 0.16	ETL+ 1.4	KET12	13R
		00221	520HF	0.7 17	ID 24	ETL+ 1.4	KET12	13R
13	67	00223	520HF	Cr 0.20	Ax 0.10	ETL+ 2.4	KET06	13R
		00223	520HF	1.3 33	ID 71	ETL+ 2.4	KET06	13R
		00223	520HF	1.3 33	VOL	ETL+ 2.4	KET06	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
15	7	00133	520HF	Cr 0.20	Ax 0.15	ETL+ 0.9	KET12	13R
		00133	520HF	0.4 32	VOL	ETL+ 0.9	KET12	13R
		00133	520HF	0.4 32	ID 67	ETL+ 0.9	KET12	13R
15	75	00223	520HF	0.3 25	ID 44	ETL+ 0.0	KET12	13R
		00223	520HF	Cr 0.22	Ax 0.16	ETL+ 0.0	KET12	13R
		00223	520HF	0.3 25	VOL	ETL+ 0.0	KET12	13R
17	31	00133	520HF	Cr 0.15	Ax 0.10	ETL+ 3.2	KET12	13R
		00133	520HF	0.4 11	ID 12	ETL+ 3.2	KET12	13R
		00133	520HF	0.4 11	VOL	ETL+ 3.2	KET12	13R
17	35	00133	520HF	0.2 9	ID 9	ETL+ 0.6	KET12	13R
		00133	520HF	Cr 0.17	Ax 0.12	ETL+ 0.6	KET12	13R
		00133	520HF	0.2 9	VOL	ETL+ 0.6	KET12	13R
17	44	00221	520HF	0.4 19	VOL	ETL+ 2.1	KET12	13R
		00221	520HF	Cr 0.17	Ax 0.12	ETL+ 2.1	KET12	13R
		00221	520HF	0.4 19	ID 28	ETL+ 2.1	KET12	13R
17	58	00221	520HF	0.4 17	ID 24	ETL+ 2.3	KET06	13R
		00221	520HF	Cr 0.19	Ax 0.10	ETL+ 2.3	KET06	13R
		00221	520HF	0.4 17	VOL	ETL+ 2.3	KET06	13R
17	81	00221	520HF	1.0 22	ID 36	ETL+ 0.3	KET12	13R
		00221	520HF	1.0 22	VOL	ETL+ 0.3	KET12	13R
		00221	520HF	Cr 0.27	Ax 0.23	ETL+ 0.3	KET12	13R
		00221	520HF	Cr 0.43	Ax 0.56	ETL+ 3.1	KET12	13R
		00221	520HF	1.6 28	ID 53	ETL+ 3.1	KET12	13R
		00221	520HF	1.6 28	SVI	ETL+ 3.1	KET12	13R
		00221	520HF	1.0 27	VOL	ETL+ 3.3	KET12	13R
		00221	520HF	1.0 27	ID 50	ETL+ 3.3	KET12	13R
		00221	520HF	Cr 0.16	Ax 0.15	ETL+ 3.3	KET12	13R
19	23	00133	520HF	0.3 17	ID 24	ETL+ 1.9	KET12	13R
		00133	520HF	Cr 0.15	Ax 0.10	ETL+ 1.9	KET12	13R
		00133	520HF	0.3 17	VOL	ETL+ 1.9	KET12	13R
19	47	00231	520HF	Cr 0.20	Ax 0.16	ETL+ 1.4	KET12	13R
		00231	520HF	0.3 24	VOL	ETL+ 1.4	KET12	13R
		00231	520HF	0.3 24	ID 41	ETL+ 1.4	KET12	13R
19	60	00229	520HF	Cr 0.17	Ax 0.20	ETL+ 1.4	KET12	13R
		00229	520HF	0.2 22	ID 36	ETL+ 1.4	KET12	13R
		00229	520HF	0.2 22	VOL	ETL+ 1.4	KET12	13R
		00229	520HF	Cr 0.17	Ax 0.20	ETL+ 1.9	KET12	13R
		00229	520HF	0.2 25	ID 44	ETL+ 1.9	KET12	13R
		00229	520HF	0.2 25	VOL	ETL+ 1.9	KET12	13R
19	64	00229	520HF	0.2 28	ID 54	ETL+ 0.9	KET12	13R
		00229	520HF	0.2 28	VOL	ETL+ 0.9	KET12	13R
		00229	520HF	Cr 0.22	Ax 0.15	ETL+ 0.9	KET12	13R
		00229	520HF	0.2 26	ID 48	ETL+ 3.2	KET12	13R
		00229	520HF	0.2 26	VOL	ETL+ 3.2	KET12	13R
		00229	520HF	Cr 0.17	Ax 0.20	ETL+ 3.2	KET12	13R
19	85	00223	520HF	0.3 24	VOL	ETL+ 1.4	KET12	13R
		00223	520HF	Cr 0.15	Ax 0.10	ETL+ 1.4	KET12	13R
		00223	520HF	0.3 24	ID 41	ETL+ 1.4	KET12	13R
		00223	520HF	Cr 0.24	Ax 0.15	ETL+ 1.7	KET12	13R
		00223	520HF	0.6 19	ID 28	ETL+ 1.7	KET12	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00223	520HF	0.6 19	VOL	ETL+ 1.7	KET12	13R
		00223	520HF	7.7 49	OD 96	ETL+ 2.8	KET12	13R
		00223	520HF	7.7 49	SCI	ETL+ 2.8	KET12	13R
		00223	520HF	0.2 38	ARC	ETL+ 2.8	KET12	13R
		00223	520HF	Cr 0.20	Ax 0.15	ETL+ 3.7	KET12	13R
		00223	520HF	1.1 27	VOL	ETL+ 3.7	KET12	13R
		00223	520HF	1.1 27	ID 50	ETL+ 3.7	KET12	13R
21	6	00135	520HF	Cr 0.12	Ax 0.14	ETL+ 1.4	KET03	13R
		00135	520HF	0.5 24	VOL	ETL+ 1.4	KET03	13R
		00135	520HF	0.5 24	ID 41	ETL+ 1.4	KET03	13R
		00135	520HF	Cr 0.15	Ax 0.11	ETL+ 3.1	KET03	13R
		00135	520HF	1.3 28	VOL	ETL+ 3.1	KET03	13R
		00135	520HF	1.3 28	ID 53	ETL+ 3.1	KET03	13R
		00135	520HF	0.9 25	VOL	ETL+ 5.0	KET03	13R
		00135	520HF	Cr 0.22	Ax 0.19	ETL+ 5.0	KET03	13R
		00135	520HF	0.9 25	ID 44	ETL+ 5.0	KET03	13R
22	23	00145	520HF	0.5 25	VOL	ETL+ 0.3	KET12	13R
		00145	520HF	0.5 25	ID 46	ETL+ 0.3	KET12	13R
		00145	520HF	Cr 0.20	Ax 0.16	ETL+ 0.3	KET12	13R
22	55	00231	520HF	0.7 28	VOL	ETL+ 2.2	KET12	13R
		00231	520HF	0.7 28	ID 53	ETL+ 2.2	KET12	13R
		00231	520HF	Cr 0.25	Ax 0.21	ETL+ 2.2	KET12	13R
24	29	00145	520HF	Cr 0.20	Ax 0.15	ETL+ 0.9	KET12	13R
		00145	520HF	0.3 13	VOL	ETL+ 0.9	KET12	13R
		00145	520HF	0.3 13	ID 17	ETL+ 0.9	KET12	13R
24	31	00145	520HF	0.2 5	VOL	ETL+ 1.1	KET12	13R
		00145	520HF	0.2 5	ID 5	ETL+ 1.1	KET12	13R
		00145	520HF	Cr 0.15	Ax 0.10	ETL+ 1.1	KET12	13R
		00145	520HF	0.3 25	ID 46	ETL+ 3.0	KET12	13R
		00145	520HF	0.3 25	VOL	ETL+ 3.0	KET12	13R
		00145	520HF	Cr 0.17	Ax 0.11	ETL+ 3.0	KET12	13R
24	33	00145	520HF	0.2 20	ID 32	ETL+ 1.5	KET12	13R
		00145	520HF	Cr 0.10	Ax 0.05	ETL+ 1.5	KET12	13R
		00145	520HF	0.2 20	VOL	ETL+ 1.5	KET12	13R
		00145	520HF	Cr 0.17	Ax 0.16	ETL+ 3.7	KET12	13R
		00145	520HF	0.4 16	VOL	ETL+ 3.7	KET12	13R
		00145	520HF	0.4 16	ID 23	ETL+ 3.7	KET12	13R
24	36	00143	520HF	0.5 21	ID 33	ETL+ 0.1	KET12	13R
		00143	520HF	Cr 0.19	Ax 0.23	ETL+ 0.1	KET12	13R
		00143	520HF	0.5 21	VOL	ETL+ 0.1	KET12	13R
24	51	00231	520HF	0.5 12	ID 14	ETL+ 2.0	KET12	13R
		00231	520HF	0.5 12	VOL	ETL+ 2.0	KET12	13R
		00231	520HF	Cr 0.23	Ax 0.16	ETL+ 2.0	KET12	13R
24	52	00229	520HF	0.3 22	VOL	ETL+ 1.8	KET12	13R
		00229	520HF	Cr 0.14	Ax 0.22	ETL+ 1.8	KET12	13R
		00229	520HF	0.3 22	ID 36	ETL+ 1.8	KET12	13R
		00229	520HF	0.2 19	ID 28	ETL+ 2.8	KET12	13R
		00229	520HF	0.2 19	VOL	ETL+ 2.8	KET12	13R
		00229	520HF	Cr 0.17	Ax 0.22	ETL+ 2.8	KET12	13R
		00229	520HF	0.3 17	ID 24	ETL+ 4.0	KET12	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00229	520HF	Cr 0.14	Ax 0.22	ETL+ 4.0	KET12	13R
		00229	520HF	0.3 17	VOL	ETL+ 4.0	KET12	13R
24	56	00229	520HF	0.5 16	VOL	ETL+ 2.1	KET12	13R
		00229	520HF	Cr 0.17	Ax 0.15	ETL+ 2.1	KET12	13R
		00229	520HF	0.5 16	ID 22	ETL+ 2.1	KET12	13R
24	63	00231	520HF	Cr 0.18	Ax 0.10	ETL+ 0.0	KET12	13R
		00231	520HF	0.3 19	VOL	ETL+ 0.0	KET12	13R
		00231	520HF	0.3 19	ID 28	ETL+ 0.0	KET12	13R
24	69	00231	520HF	0.8 30	VOL	ETL+ 2.6	KET12	13R
		00231	520HF	0.8 30	ID 60	ETL+ 2.6	KET12	13R
		00231	520HF	Cr 0.20	Ax 0.16	ETL+ 2.6	KET12	13R
24	76	00229	520HF	1.5 33	VOL	ETL+ 1.6	KET12	13R
		00229	520HF	1.5 33	ID 71	ETL+ 1.6	KET12	13R
		00229	520HF	Cr 0.28	Ax 0.20	ETL+ 1.6	KET12	13R
24	78	00229	520HF	Cr 0.17	Ax 0.22	ETL+ 1.3	KET12	13R
		00229	520HF	0.3 27	ID 51	ETL+ 1.3	KET12	13R
		00229	520HF	0.3 27	VOL	ETL+ 1.3	KET12	13R
27	3	00145	520HF	0.7 23	ID 40	ETL+ 1.6	KET12	13R
		00145	520HF	Cr 0.20	Ax 0.16	ETL+ 1.6	KET12	13R
		00145	520HF	0.7 23	VOL	ETL+ 1.6	KET12	13R
27	30	00143	520HF	0.6 16	VOL	ETL+ 1.9	KET12	13R
		00143	520HF	Cr 0.22	Ax 0.14	ETL+ 1.9	KET12	13R
		00143	520HF	0.6 16	ID 21	ETL+ 1.9	KET12	13R
27	36	00143	520HF	Cr 0.20	Ax 0.14	ETL+ 2.8	KET06	13R
		00143	520HF	1.0 24	ID 41	ETL+ 2.8	KET06	13R
		00143	520HF	1.0 24	VOL	ETL+ 2.8	KET06	13R
27	42	00143	520HF	Cr 0.17	Ax 0.20	ETL+ 0.0	KET12	13R
		00143	520HF	0.5 20	VOL	ETL+ 0.0	KET12	13R
		00143	520HF	0.5 20	ID 31	ETL+ 0.0	KET12	13R
		00143	520HF	1.1 23	SCI	ETL+ 0.0	KET12	13R
		00143	520HF	1.1 23	ID 38	ETL+ 0.0	KET12	13R
		00143	520HF	0.3 32	ARC	ETL+ 0.0	KET12	13R
		00143	520HF	Cr 0.17	Ax 0.11	ETL+ 1.0	KET12	13R
		00143	520HF	0.2 3	ID 3	ETL+ 1.0	KET12	13R
		00143	520HF	0.2 3	VOL	ETL+ 1.0	KET12	13R
27	47	00143	520HF	Cr 0.15	Ax 0.11	ETL+ 0.9	KET06	13R
		00143	520HF	0.3 13	ID 16	ETL+ 0.9	KET06	13R
		00143	520HF	0.3 13	VOL	ETL+ 0.9	KET06	13R
		00143	520HF	0.2 13	ID 16	ETL+ 4.3	KET06	13R
		00143	520HF	0.2 13	VOL	ETL+ 4.3	KET06	13R
		00143	520HF	Cr 0.10	Ax 0.08	ETL+ 4.3	KET06	13R
27	52	00229	520HF	0.4 23	ID 39	ETL+ 0.5	KET12	13R
		00229	520HF	0.4 23	VOL	ETL+ 0.5	KET12	13R
		00229	520HF	Cr 0.17	Ax 0.15	ETL+ 0.5	KET12	13R
		00229	520HF	0.3 18	VOL	ETL+ 4.4	KET12	13R
		00229	520HF	0.3 18	ID 26	ETL+ 4.4	KET12	13R
		00229	520HF	Cr 0.17	Ax 0.20	ETL+ 4.4	KET12	13R
27	53	00231	520HF	Cr 0.15	Ax 0.10	ETL+ 0.7	KET12	13R
		00231	520HF	0.3 11	ID 12	ETL+ 0.7	KET12	13R
		00231	520HF	0.3 11	VOL	ETL+ 0.7	KET12	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
29	3	00145	520HF	Cr 0.30	Ax 0.16	ETL+ 0.9	KET12	13R
		00145	520HF	0.6 34	ID 76	ETL+ 0.9	KET12	13R
		00145	520HF	0.6 34	VOL	ETL+ 0.9	KET12	13R
		00145	520HF	0.3 25	VOL	ETL+ 1.3	KET12	13R
		00145	520HF	0.3 25	ID 46	ETL+ 1.3	KET12	13R
		00145	520HF	Cr 0.20	Ax 0.16	ETL+ 1.3	KET12	13R
		00145	520HF	1.4 20	ID 32	ETL+ 1.8	KET12	13R
		00145	520HF	Cr 0.15	Ax 0.16	ETL+ 1.8	KET12	13R
		00145	520HF	1.4 20	VOL	ETL+ 1.8	KET12	13R
		00145	520HF	0.9 23	VOL	ETL+ 2.8	KET12	13R
		00145	520HF	0.9 23	ID 40	ETL+ 2.8	KET12	13R
		00145	520HF	Cr 0.20	Ax 0.21	ETL+ 2.8	KET12	13R
		00398	520HF	0.9 28	PID	ETL+ 3.5	SPEC-INT	13R
		00145	520HF	1.2 26	ID 49	ETL+ 3.5	KET12	13R
		00145	520HF	1.2 26	VOL	ETL+ 3.5	KET12	13R
		00145	520HF	Cr 0.16	Ax 0.21	ETL+ 3.5	KET12	13R
29	24	00145	520HF	0.3 15	VOL	ETL+ 2.2	KET06	13R
		00145	520HF	Cr 0.15	Ax 0.16	ETL+ 2.2	KET06	13R
		00145	520HF	0.3 15	ID 21	ETL+ 2.2	KET06	13R
		00145	520HF	0.3 15	VOL	ETL+ 3.2	KET06	13R
		00145	520HF	Cr 0.15	Ax 0.16	ETL+ 3.2	KET06	13R
		00145	520HF	0.3 15	ID 21	ETL+ 3.2	KET06	13R
		00145	520HF	Cr 0.15	Ax 0.16	ETL+ 3.6	KET06	13R
		00145	520HF	0.4 22	ID 37	ETL+ 3.6	KET06	13R
		00145	520HF	0.4 22	VOL	ETL+ 3.6	KET06	13R
29	28	00145	520HF	Cr 0.20	Ax 0.16	ETL+ 0.4	KET12	13R
		00145	520HF	0.4 21	ID 35	ETL+ 0.4	KET12	13R
		00145	520HF	0.4 21	VOL	ETL+ 0.4	KET12	13R
		00145	520HF	0.4 16	VOL	ETL+ 3.1	KET12	13R
		00145	520HF	Cr 0.20	Ax 0.16	ETL+ 3.1	KET12	13R
		00145	520HF	0.4 16	ID 23	ETL+ 3.1	KET12	13R
29	32	00145	520HF	1.2 22	ID 37	ETL+ 2.2	KET06	13R
		00145	520HF	1.2 22	VOL	ETL+ 2.2	KET06	13R
		00145	520HF	Cr 0.20	Ax 0.16	ETL+ 2.2	KET06	13R
29	36	00145	520HF	0.9 22	VOL	ETL+ 0.6	KET12	13R
		00145	520HF	0.9 22	ID 37	ETL+ 0.6	KET12	13R
		00145	520HF	Cr 0.20	Ax 0.16	ETL+ 0.6	KET12	13R
29	38	00145	520HF	Cr 0.20	Ax 0.16	ETL+ 2.7	KET03	13R
		00145	520HF	0.6 16	VOL	ETL+ 2.7	KET03	13R
		00145	520HF	0.6 16	ID 23	ETL+ 2.7	KET03	13R
		00145	520HF	0.2 20	VOL	ETL+ 3.8	KET03	13R
		00145	520HF	Cr 0.17	Ax 0.16	ETL+ 3.8	KET03	13R
		00145	520HF	0.2 20	ID 32	ETL+ 3.8	KET03	13R
29	60	00229	520HF	0.3 15	ID 20	ETL+ 1.3	KET12	13R
		00229	520HF	0.3 15	VOL	ETL+ 1.3	KET12	13R
		00229	520HF	Cr 0.20	Ax 0.22	ETL+ 1.3	KET12	13R
		00229	520HF	0.5 22	VOL	ETL+ 2.5	KET12	13R
		00229	520HF	0.5 22	ID 36	ETL+ 2.5	KET12	13R
		00229	520HF	Cr 0.20	Ax 0.19	ETL+ 2.5	KET12	13R
29	72	00229	520HF	0.4 28	ID 54	ETL+ 2.0	KET12	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00229	520HF	0.4 28	VOL	ETL+ 2.0	KET12	13R
		00229	520HF	Cr 0.11	Ax 0.15	ETL+ 2.0	KET12	13R
		00229	520HF	0.5 22	ID 36	ETL+ 5.1	KET12	13R
		00229	520HF	0.5 22	VOL	ETL+ 5.1	KET12	13R
		00229	520HF	Cr 0.17	Ax 0.22	ETL+ 5.1	KET12	13R
29	80	00229	520HF	Cr 0.14	Ax 0.20	ETL+ 2.2	KET12	13R
		00229	520HF	0.2 31	ID 64	ETL+ 2.2	KET12	13R
		00229	520HF	0.2 31	VOL	ETL+ 2.2	KET12	13R
29	100	00231	520HF	0.3 13	VOL	ETL+ 0.7	KET03	13R
		00231	520HF	0.3 13	ID 16	ETL+ 0.7	KET03	13R
		00231	520HF	Cr 0.15	Ax 0.10	ETL+ 0.7	KET03	13R
		00231	520HF	0.4 75	ARC	ETL+ 0.9	KET03	13R
		00231	520HF	9.7 43	SCI	ETL+ 0.9	KET03	13R
		00231	520HF	9.7 43	NT 99	ETL+ 0.9	KET03	13R
30	20	00255	520HF	0.6 26	VOL	ETL+ 1.4	KET03	13R
		00255	520HF	Cr 0.16	Ax 0.14	ETL+ 1.4	KET03	13R
		00255	520HF	0.6 26	ID 48	ETL+ 1.4	KET03	13R
31	32	00255	520HF	0.2 27	VOL	ETL+ 0.3	KET12	13R
		00255	520HF	0.2 27	ID 42	ETL+ 0.3	KET12	13R
		00255	520HF	Cr 0.14	Ax 0.21	ETL+ 0.3	KET12	13R
		00255	520HF	Cr 0.14	Ax 0.23	ETL+ 0.5	KET12	13R
		00255	520HF	0.3 26	ID 48	ETL+ 0.5	KET12	13R
		00255	520HF	0.3 26	VOL	ETL+ 0.5	KET12	13R
		00255	520HF	Cr 0.17	Ax 0.16	ETL+ 4.5	KET12	13R
		00255	520HF	0.5 15	VOL	ETL+ 4.5	KET12	13R
		00255	520HF	0.5 15	ID 20	ETL+ 4.5	KET12	13R
31	37	00253	520HF	Cr 0.15	Ax 0.16	ETL+ 0.1	KET12	13R
		00253	520HF	0.1 20	ID 31	ETL+ 0.1	KET12	13R
		00253	520HF	0.1 20	VOL	ETL+ 0.1	KET12	13R
31	38	00255	520HF	Cr 0.19	Ax 0.22	ETL+ 0.4	KET06	13R
		00255	520HF	0.7 26	VOL	ETL+ 0.4	KET06	13R
		00255	520HF	0.7 26	ID 48	ETL+ 0.4	KET06	13R
		00255	520HF	0.3 24	ID 42	ETL+ 1.4	KET06	13R
		00255	520HF	0.3 24	VOL	ETL+ 1.4	KET06	13R
		00255	520HF	Cr 0.14	Ax 0.22	ETL+ 1.4	KET06	13R
31	39	00253	520HF	0.2 17	VOL	ETL+ 1.8	KET12	13R
		00253	520HF	0.2 17	ID 24	ETL+ 1.8	KET12	13R
		00253	520HF	Cr 0.15	Ax 0.11	ETL+ 1.8	KET12	13R
		00253	520HF	0.4 22	ID 36	ETL+ 4.7	KET12	13R
		00253	520HF	0.4 22	VOL	ETL+ 4.7	KET12	13R
		00253	520HF	Cr 0.15	Ax 0.16	ETL+ 4.7	KET12	13R
31	41	00253	520HF	0.2 18	VOL	ETL+ 0.8	KET12	13R
		00253	520HF	Cr 0.16	Ax 0.10	ETL+ 0.8	KET12	13R
		00253	520HF	0.2 18	ID 26	ETL+ 0.8	KET12	13R
		00253	520HF	0.2 12	VOL	ETL+ 0.9	KET12	13R
		00253	520HF	0.2 12	ID 14	ETL+ 0.9	KET12	13R
		00253	520HF	Cr 0.10	Ax 0.10	ETL+ 0.9	KET12	13R
		00253	520HF	Cr 0.26	Ax 0.21	ETL+ 1.6	KET12	13R
		00253	520HF	0.4 26	VOL	ETL+ 1.6	KET12	13R
		00253	520HF	0.4 26	ID 47	ETL+ 1.6	KET12	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00253	520HF	0.4 23	ID 38	ETL+ 1.6	KET12	13R
		00253	520HF	Cr 0.10	Ax 0.16	ETL+ 1.6	KET12	13R
		00253	520HF	0.4 23	VOL	ETL+ 1.6	KET12	13R
		00253	520HF	Cr 0.16	Ax 0.10	ETL+ 1.9	KET12	13R
		00253	520HF	0.3 17	VOL	ETL+ 1.9	KET12	13R
		00253	520HF	0.3 17	ID 24	ETL+ 1.9	KET12	13R
		00253	520HF	0.2 28	VOL	ETL+ 2.2	KET12	13R
		00253	520HF	Cr 0.10	Ax 0.10	ETL+ 2.2	KET12	13R
		00253	520HF	0.2 28	ID 53	ETL+ 2.2	KET12	13R
		00253	520HF	0.4 17	ID 24	ETL+ 2.6	KET12	13R
		00253	520HF	Cr 0.21	Ax 0.16	ETL+ 2.6	KET12	13R
		00253	520HF	0.4 17	VOL	ETL+ 2.6	KET12	13R
		00253	520HF	0.4 32	ID 67	ETL+ 2.9	KET12	13R
		00253	520HF	Cr 0.05	Ax 0.16	ETL+ 2.9	KET12	13R
		00253	520HF	0.4 32	VOL	ETL+ 2.9	KET12	13R
		00253	520HF	Cr 0.21	Ax 0.16	ETL+ 3.2	KET12	13R
		00253	520HF	0.5 22	ID 36	ETL+ 3.2	KET12	13R
		00253	520HF	0.5 22	VOL	ETL+ 3.2	KET12	13R
		00253	520HF	0.2 16	VOL	ETL+ 3.6	KET12	13R
		00253	520HF	0.2 16	ID 21	ETL+ 3.6	KET12	13R
		00253	520HF	Cr 0.10	Ax 0.16	ETL+ 3.6	KET12	13R
31	55	00081	520HF	1.0 25	ID 46	ETL+ 2.8	KET12	13R
		00081	520HF	1.0 25	VOL	ETL+ 2.8	KET12	13R
		00081	520HF	Cr 0.24	Ax 0.19	ETL+ 2.8	KET12	13R
31	58	00083	520HF	0.4 20	VOL	ETL+ 2.0	KET06	13R
		00083	520HF	Cr 0.15	Ax 0.11	ETL+ 2.0	KET06	13R
		00083	520HF	0.4 20	ID 32	ETL+ 2.0	KET06	13R
		00083	520HF	Cr 0.15	Ax 0.11	ETL+ 2.0	KET06	13R
		00083	520HF	0.1 20	ID 32	ETL+ 2.0	KET06	13R
		00083	520HF	0.1 20	VOL	ETL+ 2.0	KET06	13R
31	60	00083	520HF	0.3 2	ID 2	ETL+ 2.1	KET06	13R
		00083	520HF	Cr 0.10	Ax 0.11	ETL+ 2.1	KET06	13R
		00083	520HF	0.3 2	VOL	ETL+ 2.1	KET06	13R
31	63	00081	520HF	0.5 15	VOL	ETL+ 2.1	KET12	13R
		00081	520HF	0.5 15	ID 21	ETL+ 2.1	KET12	13R
		00081	520HF	Cr 0.15	Ax 0.06	ETL+ 2.1	KET12	13R
31	69	00145	520HF	Cr 0.15	Ax 0.16	ETL+ 2.0	KET12	13R
		00145	520HF	0.4 5	VOL	ETL+ 2.0	KET12	13R
		00145	520HF	0.4 5	ID 5	ETL+ 2.0	KET12	13R
31	73	00145	520HF	0.4 23	ID 40	ETL+ 2.2	KET12	13R
		00145	520HF	0.4 23	VOL	ETL+ 2.2	KET12	13R
		00145	520HF	Cr 0.12	Ax 0.16	ETL+ 2.2	KET12	13R
		00145	520HF	Cr 0.10	Ax 0.16	ETL+ 3.0	KET12	13R
		00145	520HF	0.6 24	VOL	ETL+ 3.0	KET12	13R
		00145	520HF	0.6 24	ID 43	ETL+ 3.0	KET12	13R
31	103	00197	520HF	0.7 21	ID 36	ETL+ 2.0	KET12	13R
		00197	520HF	0.7 21	VOL	ETL+ 2.0	KET12	13R
		00197	520HF	Cr 0.18	Ax 0.19	ETL+ 2.0	KET12	13R
		00197	520HF	0.2 42	ARC	ETL+ 3.1	KET12	13R
		00197	520HF	3.6 42	SCI	ETL+ 3.1	KET12	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00197	520HF	3.6 42	NT 99	ETL+ 3.1	KET12	13R
		00197	520HF	1.5 26	VOL	ETL+ 4.3	KET12	13R
		00197	520HF	1.5 26	ID 50	ETL+ 4.3	KET12	13R
		00197	520HF	Cr 0.18	Ax 0.19	ETL+ 4.3	KET12	13R
32	97	00293	520HF	9.1 47	SCI	ETL+ 4.9	KET22	13R
		00293	520HF	0.2 41	ARC	ETL+ 4.9	KET22	13R
		00293	520HF	9.1 47	OD 97	ETL+ 4.9	KET22	13R
33	9	00081	520HF	Cr 0.14	Ax 0.13	ETL+ 0.8	KET12	13R
		00081	520HF	0.5 13	VOL	ETL+ 0.8	KET12	13R
		00081	520HF	0.5 13	ID 17	ETL+ 0.8	KET12	13R
33	18	00083	520HF	0.4 17	VOL	ETL+ 2.3	KET12	13R
		00083	520HF	Cr 0.15	Ax 0.11	ETL+ 2.3	KET12	13R
		00083	520HF	0.4 17	ID 25	ETL+ 2.3	KET12	13R
33	30	00083	520HF	Cr 0.15	Ax 0.11	ETL+ 2.3	KET12	13R
		00083	520HF	0.2 11	VOL	ETL+ 2.3	KET12	13R
		00083	520HF	0.2 11	ID 13	ETL+ 2.3	KET12	13R
33	38	00083	520HF	Cr 0.15	Ax 0.11	ETL+ 1.7	KET06	13R
		00083	520HF	0.2 18	VOL	ETL+ 1.7	KET06	13R
		00083	520HF	0.2 18	ID 27	ETL+ 1.7	KET06	13R
33	48	00083	520HF	3.9 23	ID 40	ETL+ 2.1	KET12	13R
		00083	520HF	3.9 23	VOL	ETL+ 2.1	KET12	13R
		00083	520HF	Cr 0.15	Ax 0.11	ETL+ 2.1	KET12	13R
33	50	00083	520HF	2.8 9	VOL	ETL+ 3.2	KET12	13R
		00083	520HF	0.3 9	ID 10	ETL+ 3.2	KET12	13R
		00083	520HF	Cr 0.15	Ax 0.16	ETL+ 3.2	KET12	13R
33	60	00081	520HF	0.4 18	VOL	ETL+ 1.5	KET12	13R
		00081	520HF	Cr 0.19	Ax 0.12	ETL+ 1.5	KET12	13R
		00081	520HF	0.4 18	ID 27	ETL+ 1.5	KET12	13R
33	64	00081	520HF	Cr 0.15	Ax 0.06	ETL+ 1.3	KET12	13R
		00081	520HF	0.3 19	VOL	ETL+ 1.3	KET12	13R
		00081	520HF	0.3 19	ID 30	ETL+ 1.3	KET12	13R
33	67	00155	520HF	Cr 0.10	Ax 0.11	ETL+ 2.4	KET06	13R
		00155	520HF	0.3 3	ID 3	ETL+ 2.4	KET06	13R
		00155	520HF	0.3 3	VOL	ETL+ 2.4	KET06	13R
		00155	520HF	Cr 0.10	Ax 0.06	ETL+ 3.6	KET06	13R
		00155	520HF	1.2 24	ID 43	ETL+ 3.6	KET06	13R
		00155	520HF	1.2 24	VOL	ETL+ 3.6	KET06	13R
33	69	00155	520HF	0.3 22	VOL	ETL+ 1.0	KET06	13R
		00155	520HF	0.3 22	ID 37	ETL+ 1.0	KET06	13R
		00155	520HF	Cr 0.10	Ax 0.06	ETL+ 1.0	KET06	13R
33	71	00155	520HF	0.3 14	ID 19	ETL+ 1.3	KET12	13R
		00155	520HF	Cr 0.15	Ax 0.11	ETL+ 1.3	KET12	13R
		00155	520HF	0.3 14	VOL	ETL+ 1.3	KET12	13R
33	73	00155	520HF	0.4 18	VOL	ETL+ 2.6	KET06	13R
		00155	520HF	0.4 18	ID 27	ETL+ 2.6	KET06	13R
		00155	520HF	Cr 0.10	Ax 0.06	ETL+ 2.6	KET06	13R
33	75	00155	520HF	0.3 2	VOL	ETL+ 1.5	KET12	13R
		00155	520HF	0.3 2	ID 2	ETL+ 1.5	KET12	13R
		00155	520HF	Cr 0.19	Ax 0.11	ETL+ 1.5	KET12	13R
		00155	520HF	0.2 11	ID 13	ETL+ 2.1	KET12	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00155	520HF	0.2 11	VOL	ETL+ 2.1	KET12	13R
		00155	520HF	Cr 0.10	Ax 0.06	ETL+ 2.1	KET12	13R
33	90	00155	520HF	Cr 0.10	Ax 0.06	ETL+ 1.8	KET12	13R
		00155	520HF	0.6 20	VOL	ETL+ 1.8	KET12	13R
		00155	520HF	0.6 20	ID 32	ETL+ 1.8	KET12	13R
		00155	520HF	Cr 0.10	Ax 0.11	ETL+ 2.7	KET12	13R
		00155	520HF	0.8 32	ID 68	ETL+ 2.7	KET12	13R
		00155	520HF	0.8 32	VOL	ETL+ 2.7	KET12	13R
33	92	00155	520HF	Cr 0.05	Ax 0.06	ETL+ 0.6	KET12	13R
		00155	520HF	0.4 31	VOL	ETL+ 0.6	KET12	13R
		00155	520HF	0.4 31	ID 65	ETL+ 0.6	KET12	13R
		00155	520HF	Cr 0.10	Ax 0.11	ETL+ 1.4	KET12	13R
		00155	520HF	0.5 39	NT 96	ETL+ 1.4	KET12	13R
		00155	520HF	0.5 39	VOL	ETL+ 1.4	KET12	13R
		00155	520HF	Cr 0.10	Ax 0.11	ETL+ 3.7	KET12	13R
		00155	520HF	0.9 27	VOL	ETL+ 3.7	KET12	13R
		00155	520HF	0.9 27	ID 52	ETL+ 3.7	KET12	13R
		00155	520HF	0.3 36	NT 83	ETL+ 4.5	KET12	13R
		00155	520HF	Cr 0.10	Ax 0.06	ETL+ 4.5	KET12	13R
		00155	520HF	0.3 36	VOL	ETL+ 4.5	KET12	13R
33	94	00155	520HF	0.2 13	ID 17	ETL+ 2.4	KET12	13R
		00155	520HF	0.2 13	VOL	ETL+ 2.4	KET12	13R
		00155	520HF	Cr 0.10	Ax 0.06	ETL+ 2.4	KET12	13R
		00155	520HF	Cr 0.10	Ax 0.06	ETL+ 2.9	KET12	13R
		00155	520HF	0.3 8	VOL	ETL+ 2.9	KET12	13R
		00155	520HF	0.3 8	ID 9	ETL+ 2.9	KET12	13R
33	99	00157	520HF	1.9 32	VOL	ETL+ 2.3	KET12	13R
		00157	520HF	Cr 0.20	Ax 0.16	ETL+ 2.3	KET12	13R
		00157	520HF	1.9 32	ID 68	ETL+ 2.3	SPEC-INT	13R
35	27	00338	520HF	0.0 0	PRA	ETL+ 1.2	KET03	13R
		00253	520HF	Cr 0.15	Ax 0.05	ETL+ 1.2	KET03	13R
		00253	520HF	0.8 32	ID 67	ETL+ 1.2	KET03	13R
		00253	520HF	0.8 32	VOL	ETL+ 1.2	KET03	13R
		00253	520HF	0.6 27	VOL	ETL+ 3.2	KET03	13R
		00253	520HF	0.6 27	ID 50	ETL+ 3.2	KET03	13R
		00253	520HF	Cr 0.15	Ax 0.11	ETL+ 3.2	KET03	13R
		00253	520HF	0.4 9	ID 9	ETL+ 5.0	KET03	13R
		00253	520HF	0.4 9	VOL	ETL+ 5.0	KET03	13R
		00253	520HF	Cr 0.15	Ax 0.16	ETL+ 5.0	KET03	13R
36	16	00083	520HF	0.3 15	ID 21	ETL+ 2.0	KET12	13R
		00083	520HF	0.3 15	VOL	ETL+ 2.0	KET12	13R
		00083	520HF	Cr 0.15	Ax 0.16	ETL+ 2.0	KET12	13R
36	36	00083	520HF	0.7 25	VOL	ETL+ 2.5	KET03	13R
		00083	520HF	Cr 0.19	Ax 0.16	ETL+ 2.5	KET03	13R
		00083	520HF	0.7 25	ID 46	ETL+ 2.5	KET03	13R
36	41	00081	520HF	0.5 26	VOL	ETL+ 2.0	KET12	13R
		00081	520HF	Cr 0.10	Ax 0.13	ETL+ 2.0	KET12	13R
		00081	520HF	0.5 26	ID 49	ETL+ 2.0	KET12	13R
36	42	00083	520HF	0.5 16	ID 23	ETL+ 1.1	KET12	13R
		00083	520HF	Cr 0.15	Ax 0.11	ETL+ 1.1	KET12	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00083	520HF	0.5 16	VOL	ETL+ 1.1	KET12	13R
36	45	00081	520HF	0.8 18	VOL	ETL+ 0.2	KET12	13R
		00081	520HF	0.8 18	ID 27	ETL+ 0.2	KET12	13R
		00081	520HF	Cr 0.10	Ax 0.06	ETL+ 0.2	KET12	13R
36	56	00075	520HF	0.2 27	VOL	ETL+ 2.5	KET12	13R
		00075	520HF	Cr 0.15	Ax 0.16	ETL+ 2.5	KET12	13R
		00075	520HF	0.2 27	ID 50	ETL+ 2.5	KET12	13R
		00075	520HF	0.2 32	ID 67	ETL+ 3.3	KET12	13R
		00075	520HF	Cr 0.15	Ax 0.16	ETL+ 3.3	KET12	13R
		00075	520HF	0.2 32	VOL	ETL+ 3.3	KET12	13R
		00075	520HF	Cr 0.15	Ax 0.11	ETL+ 3.9	KET12	13R
		00075	520HF	0.3 29	VOL	ETL+ 3.9	KET12	13R
		00075	520HF	0.3 29	ID 57	ETL+ 3.9	KET12	13R
36	71	00165	520HF	0.7 22	ID 36	ETL+ 0.3	KET03	13R
		00165	520HF	0.7 22	VOL	ETL+ 0.3	KET03	13R
		00165	520HF	Cr 0.10	Ax 0.11	ETL+ 0.3	KET03	13R
		00165	520HF	0.4 22	ID 36	ETL+ 4.4	KET03	13R
		00165	520HF	Cr 0.15	Ax 0.13	ETL+ 4.4	KET03	13R
		00165	520HF	0.4 22	VOL	ETL+ 4.4	KET03	13R
36	72	00163	520HF	0.2 20	VOL	ETL+ 2.8	KET12	13R
		00163	520HF	0.2 20	ID 32	ETL+ 2.8	KET12	13R
		00163	520HF	Cr 0.15	Ax 0.11	ETL+ 2.8	KET12	13R
36	103	00197	520HF	Cr 0.27	Ax 0.19	ETL+ 0.5	KET12	13R
		00197	520HF	0.9 23	ID 41	ETL+ 0.5	KET12	13R
		00197	520HF	0.9 23	VOL	ETL+ 0.5	KET12	13R
37	109	00237	520HF	0.8 24	VOL	ETL+ 0.1	KET03	13R
		00237	520HF	0.8 24	ID 43	ETL+ 0.1	KET03	13R
		00237	520HF	Cr 0.26	Ax 0.11	ETL+ 0.1	KET03	13R
		00286	520HF	0.9 23	VOL	ETL+ 0.1	SPEC-INT	13R
		00286	520HF	Cr 0.28	Ax 0.23	ETL+ 0.1	SPEC-INT	13R
		00286	520HF	0.9 23	ID 39	ETL+ 0.1	SPEC-INT	13R
38	17	00083	520HF	0.8 23	ID 40	ETL+ 2.5	KET06	13R
		00083	520HF	0.8 23	VOL	ETL+ 2.5	KET06	13R
		00083	520HF	Cr 0.19	Ax 0.16	ETL+ 2.5	KET06	13R
38	42	00083	520HF	0.2 17	ID 25	ETL+ 0.7	KET12	13R
		00083	520HF	Cr 0.15	Ax 0.16	ETL+ 0.7	KET12	13R
		00083	520HF	0.2 17	VOL	ETL+ 0.7	KET12	13R
38	49	00075	520HF	0.2 20	ID 31	ETL+ 1.5	KET12	13R
		00075	520HF	0.2 20	VOL	ETL+ 1.5	KET12	13R
		00075	520HF	Cr 0.20	Ax 0.16	ETL+ 1.5	KET12	13R
38	53	00075	520HF	0.2 32	VOL	ETL+ 2.1	KET12	13R
		00075	520HF	0.2 32	ID 67	ETL+ 2.1	KET12	13R
		00075	520HF	Cr 0.15	Ax 0.11	ETL+ 2.1	KET12	13R
38	81	00195	520HF	1.1 16	VOL	ETL+ 0.0	KET06	13R
		00195	520HF	Cr 0.11	Ax 0.21	ETL+ 0.0	KET06	13R
		00195	520HF	1.1 16	ID 21	ETL+ 0.0	KET06	13R
38	88	00197	520HF	0.3 7	VOL	ETL+ 0.2	KET03	13R
		00197	520HF	0.3 7	ID 8	ETL+ 0.2	KET03	13R
		00197	520HF	Cr 0.17	Ax 0.23	ETL+ 0.2	KET03	13R
40	78	00195	520HF	0.6 17	ID 24	ETL+ 1.4	KET03	13R

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OTSG-A
OUTAGE 13R
KINETIC EXPANSION INDICATIONS

Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00195	520HF	Cr 0.11	Ax 0.21	ETL+ 1.4	KET03	13R
		00195	520HF	0.6 17	VOL	ETL+ 1.4	KET03	13R
		00195	520HF	Cr 0.11	Ax 0.21	ETL+ 1.8	KET03	13R
		00195	520HF	0.5 13	VOL	ETL+ 1.8	KET03	13R
		00195	520HF	0.5 13	ID 16	ETL+ 1.8	KET03	13R
		00195	520HF	Cr 0.11	Ax 0.21	ETL+ 4.1	KET03	13R
		00195	520HF	0.4 13	VOL	ETL+ 4.1	KET03	13R
		00195	520HF	0.4 13	ID 16	ETL+ 4.1	KET03	13R
41	9	00089	520HF	Cr 0.15	Ax 0.11	ETL+ 1.8	KET06	13R
		00089	520HF	0.3 17	ID 25	ETL+ 1.8	KET06	13R
		00089	520HF	0.3 17	VOL	ETL+ 1.8	KET06	13R
41	13	00089	520HF	0.2 19	ID 30	ETL+ 1.7	KET12	13R
		00089	520HF	Cr 0.15	Ax 0.16	ETL+ 1.7	KET12	13R
		00089	520HF	0.2 19	VOL	ETL+ 1.7	KET12	13R
41	23	00089	520HF	0.3 11	ID 13	ETL+ 0.3	KET12	13R
		00089	520HF	Cr 0.15	Ax 0.11	ETL+ 0.3	KET12	13R
		00089	520HF	0.4 20	VOL	ETL+ 0.3	KET12	13R
41	24	00087	520HF	0.3 17	VOL	ETL+ 0.5	KET12	13R
		00087	520HF	Cr 0.10	Ax 0.06	ETL+ 0.5	KET12	13R
		00087	520HF	0.3 17	ID 24	ETL+ 0.5	KET12	13R
		00087	520HF	Cr 0.19	Ax 0.18	ETL+ 2.6	KET12	13R
		00087	520HF	0.5 33	ID 71	ETL+ 2.6	KET12	13R
		00087	520HF	0.5 33	VOL	ETL+ 2.6	KET12	13R
		00087	520HF	Cr 0.10	Ax 0.12	ETL+ 3.8	KET12	13R
		00087	520HF	0.2 30	VOL	ETL+ 3.8	KET12	13R
		00087	520HF	0.2 30	ID 60	ETL+ 3.8	KET12	13R
41	60	00075	520HF	Cr 0.20	Ax 0.16	ETL+ 0.8	KET12	13R
		00075	520HF	0.3 23	ID 38	ETL+ 0.8	KET12	13R
		00075	520HF	0.3 23	VOL	ETL+ 0.8	KET12	13R
41	65	00073	520HF	0.4 14	VOL	ETL+ 3.0	KET12	13R
		00073	520HF	Cr 0.19	Ax 0.17	ETL+ 3.0	KET12	13R
		00073	520HF	0.4 14	ID 21	ETL+ 3.0	KET12	13R
41	66	00075	520HF	0.2 16	ID 21	ETL+ 1.2	KET12	13R
		00075	520HF	0.2 16	VOL	ETL+ 1.2	KET12	13R
		00075	520HF	Cr 0.15	Ax 0.16	ETL+ 1.2	KET12	13R
		00075	520HF	0.3 17	VOL	ETL+ 1.4	KET12	13R
		00075	520HF	Cr 0.20	Ax 0.16	ETL+ 1.4	KET12	13R
		00075	520HF	0.3 17	ID 24	ETL+ 1.4	KET12	13R
41	71	00195	520HF	0.7 21	VOL	ETL+ 2.2	KET12	13R
		00195	520HF	Cr 0.11	Ax 0.15	ETL+ 2.2	KET12	13R
		00195	520HF	0.7 21	ID 33	ETL+ 2.2	KET12	13R
		00195	520HF	0.7 15	ID 19	ETL+ 2.3	KET12	13R
		00195	520HF	0.7 15	VOL	ETL+ 2.3	KET12	13R
		00195	520HF	Cr 0.13	Ax 0.24	ETL+ 2.3	KET12	13R
41	88	00197	520HF	Cr 0.17	Ax 0.21	ETL+ 1.3	KET06	13R
		00197	520HF	0.4 17	ID 26	ETL+ 1.3	KET06	13R
		00197	520HF	0.4 17	VOL	ETL+ 1.3	KET06	13R
		00197	520HF	Cr 0.12	Ax 0.21	ETL+ 3.4	KET06	13R
		00197	520HF	0.3 24	VOL	ETL+ 3.4	KET06	13R
		00197	520HF	0.3 24	ID 44	ETL+ 3.4	KET06	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
41	109	00197	520HF	0.7 21	ID 36	ETL+ 1.6	KET12	13R
		00197	520HF	0.7 21	VOL	ETL+ 1.6	KET12	13R
		00197	520HF	Cr 0.15	Ax 0.24	ETL+ 1.6	KET12	13R
		00197	520HF	Cr 0.18	Ax 0.23	ETL+ 2.0	KET12	13R
		00197	520HF	1.0 14	VOL	ETL+ 2.0	KET12	13R
		00197	520HF	1.0 14	ID 19	ETL+ 2.0	KET12	13R
		00197	520HF	Cr 0.26	Ax 0.17	ETL+ 2.5	KET12	13R
		00197	520HF	1.9 23	VOL	ETL+ 2.5	KET12	13R
		00197	520HF	1.9 23	ID 41	ETL+ 2.5	KET12	13R
41	110	00237	520HF	0.2 21	VOL	ETL+ 1.5	KET12	13R
		00237	520HF	0.2 21	ID 35	ETL+ 1.5	KET12	13R
		00237	520HF	Cr 0.21	Ax 0.16	ETL+ 1.5	KET12	13R
		00237	520HF	1.3 32	VOL	ETL+ 1.7	KET12	13R
		00237	520HF	Cr 0.26	Ax 0.22	ETL+ 1.7	KET12	13R
		00237	520HF	1.3 32	ID 68	ETL+ 1.7	KET12	13R
		00237	520HF	Cr 0.21	Ax 0.11	ETL+ 2.4	KET12	13R
		00237	520HF	0.4 30	VOL	ETL+ 2.4	KET12	13R
		00237	520HF	0.4 30	ID 61	ETL+ 2.4	KET12	13R
		00237	520HF	0.3 25	VOL	ETL+ 2.8	KET12	13R
		00237	520HF	Cr 0.21	Ax 0.11	ETL+ 2.8	KET12	13R
		00237	520HF	0.3 25	ID 46	ETL+ 2.8	KET12	13R
		00398	520HF	0.5 27	PID	ETL+ 3.1	KET12	13R
		00237	520HF	0.1 22	VOL	ETL+ 3.1	KET12	13R
		00237	520HF	0.1 22	37	ETL+ 3.1	KET12	13R
		00237	520HF	Cr 0.05	Ax 0.05	ETL+ 3.1	KET12	13R
43	31	00089	520HF	0.2 6	ID 6	ETL+ 2.1	KET06	13R
		00089	520HF	Cr 0.20	Ax 0.11	ETL+ 2.1	KET06	13R
		00089	520HF	0.2 6	VOL	ETL+ 2.1	KET06	13R
		00089	520HF	0.3 14	ID 19	ETL+ 3.6	KET06	13R
		00089	520HF	0.3 14	VOL	ETL+ 3.6	KET06	13R
		00089	520HF	Cr 0.25	Ax 0.16	ETL+ 3.6	KET06	13R
		00089	520HF	0.2 19	ID 30	ETL+ 4.2	KET06	13R
		00089	520HF	0.2 19	VOL	ETL+ 4.2	KET06	13R
		00089	520HF	Cr 0.15	Ax 0.16	ETL+ 4.2	KET06	13R
43	37	00089	520HF	Cr 0.20	Ax 0.16	ETL+ 2.0	KET12	13R
		00089	520HF	0.3 13	ID 17	ETL+ 2.0	KET12	13R
		00089	520HF	0.3 13	VOL	ETL+ 2.0	KET12	13R
43	43	00089	520HF	0.2 19	ID 30	ETL+ 1.8	KET12	13R
		00089	520HF	0.2 19	VOL	ETL+ 1.8	KET12	13R
		00089	520HF	Cr 0.15	Ax 0.16	ETL+ 1.8	KET12	13R
		00089	520HF	0.3 11	VOL	ETL+ 2.4	KET12	13R
		00089	520HF	Cr 0.20	Ax 0.16	ETL+ 2.4	KET12	13R
		00089	520HF	0.3 11	ID 13	ETL+ 2.4	KET12	13R
43	48	00253	520HF	Cr 0.15	Ax 0.11	ETL+ 1.4	KET12	13R
		00253	520HF	0.3 20	VOL	ETL+ 1.4	KET12	13R
		00253	520HF	0.3 20	ID 31	ETL+ 1.4	KET12	13R
		00253	520HF	0.3 21	VOL	ETL+ 2.8	KET12	13R
		00253	520HF	0.3 21	ID 33	ETL+ 2.8	KET12	13R
		00253	520HF	Cr 0.15	Ax 0.16	ETL+ 2.8	KET12	13R
		00253	520HF	0.1 11	VOL	ETL+ 4.3	KET12	13R

THREE MILE ISLAND UNIT 1
OTSG-A
OUTAGE 13R
KINETIC EXPANSION INDICATIONS

Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00253	520HF	Cr 0.15	Ax 0.11	ETL+ 4.3	KET12	13R
		00253	520HF	0.1 11	ID 12	ETL+ 4.3	KET12	13R
43	62	00073	520HF	0.3 15	VOL	ETL+ 3.0	KET12	13R
		00073	520HF	0.3 15	ID 24	ETL+ 3.0	KET12	13R
		00073	520HF	Cr 0.19	Ax 0.17	ETL+ 3.0	KET12	13R
43	67	00075	520HF	0.3 25	VOL	ETL+ 2.9	KET06	13R
		00075	520HF	0.3 25	ID 44	ETL+ 2.9	KET06	13R
		00075	520HF	Cr 0.15	Ax 0.11	ETL+ 2.9	KET06	13R
43	69	00075	520HF	Cr 0.20	Ax 0.16	ETL+ 2.2	KET06	13R
		00075	520HF	0.9 26	ID 47	ETL+ 2.2	KET06	13R
		00075	520HF	0.9 26	VOL	ETL+ 2.2	KET06	13R
43	73	00197	520HF	Cr 0.22	Ax 0.22	ETL+ 0.1	KET12	13R
		00197	520HF	0.1 24	ID 44	ETL+ 0.1	KET12	13R
		00197	520HF	0.1 24	VOL	ETL+ 0.1	KET12	13R
43	80	00199	520HF	Cr 0.19	Ax 0.13	ETL+ 2.5	KET12	13R
		00199	520HF	0.3 22	VOL	ETL+ 2.5	KET12	13R
		00199	520HF	0.3 22	ID 36	ETL+ 2.5	KET12	13R
43	84	00199	520HF	0.3 23	VOL	ETL+ 2.0	KET12	13R
		00199	520HF	Cr 0.19	Ax 0.16	ETL+ 2.0	KET12	13R
		00199	520HF	0.3 23	ID 38	ETL+ 2.0	KET12	13R
43	87	00201	520HF	Cr 0.20	Ax 0.21	ETL+ 0.3	KET12	13R
		00201	520HF	0.4 18	ID 27	ETL+ 0.3	KET12	13R
		00201	520HF	0.4 18	VOL	ETL+ 0.3	KET12	13R
43	90	00199	520HF	0.5 27	VOL	ETL+ 1.1	KET06	13R
		00199	520HF	0.5 27	ID 50	ETL+ 1.1	KET06	13R
		00199	520HF	Cr 0.21	Ax 0.16	ETL+ 1.1	KET06	13R
		00199	520HF	0.3 15	ID 19	ETL+ 2.8	KET06	13R
		00199	520HF	0.3 15	VOL	ETL+ 2.8	KET06	13R
		00199	520HF	Cr 0.13	Ax 0.24	ETL+ 2.8	KET06	13R
43	107	00201	520HF	0.3 14	VOL	ETL+ 1.9	KET12	13R
		00201	520HF	0.3 14	ID 19	ETL+ 1.9	KET12	13R
		00201	520HF	Cr 0.15	Ax 0.16	ETL+ 1.9	KET12	13R
		00201	520HF	0.2 16	VOL	ETL+ 2.0	KET12	13R
		00201	520HF	0.2 16	ID 23	ETL+ 2.0	KET12	13R
		00201	520HF	Cr 0.15	Ax 0.10	ETL+ 2.0	KET12	13R
43	111	00237	520HF	0.3 20	VOL	ETL+ 1.0	KET12	13R
		00237	520HF	0.3 20	ID 32	ETL+ 1.0	KET12	13R
		00237	520HF	Cr 0.21	Ax 0.11	ETL+ 1.0	KET12	13R
44	105	00199	520HF	0.8 22	ID 36	ETL+ 0.4	KET03	13R
		00199	520HF	Cr 0.16	Ax 0.16	ETL+ 0.4	KET03	13R
		00199	520HF	0.8 22	VOL	ETL+ 0.4	KET03	13R
		00199	520HF	Cr 0.18	Ax 0.24	ETL+ 1.3	KET03	13R
		00199	520HF	0.8 21	VOL	ETL+ 1.3	KET03	13R
		00199	520HF	0.8 21	ID 33	ETL+ 1.3	KET03	13R
45	43	00089	520HF	Cr 0.15	Ax 0.16	ETL+ 0.4	KET12	13R
		00089	520HF	0.5 18	ID 27	ETL+ 0.4	KET12	13R
		00089	520HF	0.5 18	VOL	ETL+ 0.4	KET12	13R
		00089	520HF	0.2 20	ID 32	ETL+ 1.1	KET12	13R
		00089	520HF	Cr 0.15	Ax 0.16	ETL+ 1.1	KET12	13R
		00089	520HF	0.2 20	VOL	ETL+ 1.1	KET12	13R

THREE MILE ISLAND UNIT 1
OTSG-A
OUTAGE 13R
KINETIC EXPANSION INDICATIONS

Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
45	59	00073	520HF	0.3 12	ID 17	ETL+ 1.9	KET12	13R
		00073	520HF	0.3 12	VOL	ETL+ 1.9	KET12	13R
		00073	520HF	Cr 0.10	Ax 0.11	ETL+ 1.9	KET12	13R
		00073	520HF	0.3 18	ID 31	ETL+ 3.0	KET12	13R
		00073	520HF	Cr 0.15	Ax 0.17	ETL+ 3.0	KET12	13R
		00073	520HF	0.3 18	VOL	ETL+ 3.0	KET12	13R
		00073	520HF	Cr 0.19	Ax 0.17	ETL+ 4.7	KET12	13R
		00073	520HF	0.5 12	ID 17	ETL+ 4.7	KET12	13R
		00073	520HF	0.5 12	VOL	ETL+ 4.7	KET12	13R
45	68	00075	520HF	0.3 17	ID 24	ETL+ 2.7	KET12	13R
		00075	520HF	0.3 17	VOL	ETL+ 2.7	KET12	13R
		00075	520HF	Cr 0.15	Ax 0.21	ETL+ 2.7	KET12	13R
		00075	520HF	Cr 0.15	Ax 0.16	ETL+ 3.4	KET12	13R
		00075	520HF	0.4 19	ID 28	ETL+ 3.4	KET12	13R
		00075	520HF	0.4 19	VOL	ETL+ 3.4	KET12	13R
45	105	00199	520HF	Cr 0.18	Ax 0.24	ETL+ 1.5	KET12	13R
		00199	520HF	0.3 24	ID 41	ETL+ 1.5	KET12	13R
		00199	520HF	0.3 24	VOL	ETL+ 1.5	KET12	13R
45	106	00201	520HF	0.3 23	ID 40	ETL+ 2.5	KET12	13R
		00201	520HF	0.3 23	VOL	ETL+ 2.5	KET12	13R
		00201	520HF	Cr 0.15	Ax 0.16	ETL+ 2.5	KET12	13R
45	108	00201	520HF	Cr 0.20	Ax 0.16	ETL+ 0.1	KET12	13R
		00201	520HF	0.6 37	VOL	ETL+ 0.1	KET12	13R
		00201	520HF	0.6 37	NT 87	ETL+ 0.1	KET12	13R
		00201	520HF	Cr 0.25	Ax 0.21	ETL+ 1.5	KET12	13R
		00201	520HF	0.6 28	VOL	ETL+ 1.5	KET12	13R
		00201	520HF	0.6 28	ID 55	ETL+ 1.5	KET12	13R
47	31	00089	520HF	Cr 0.15	Ax 0.16	ETL+ 1.4	KET12	13R
		00089	520HF	0.2 12	ID 15	ETL+ 1.4	KET12	13R
		00089	520HF	0.2 12	VOL	ETL+ 1.4	KET12	13R
		00089	520HF	0.3 21	ID 35	ETL+ 3.1	KET12	13R
		00089	520HF	Cr 0.15	Ax 0.11	ETL+ 3.1	KET12	13R
		00089	520HF	0.3 21	VOL	ETL+ 3.1	KET12	13R
		00089	520HF	0.2 12	VOL	ETL+ 3.3	KET12	13R
		00089	520HF	0.2 12	ID 15	ETL+ 3.3	KET12	13R
		00089	520HF	Cr 0.15	Ax 0.11	ETL+ 3.3	KET12	13R
		00089	520HF	0.5 16	VOL	ETL+ 4.4	KET12	13R
		00089	520HF	Cr 0.15	Ax 0.11	ETL+ 4.4	KET12	13R
		00089	520HF	0.5 16	ID 23	ETL+ 4.4	KET12	13R
		00089	520HF	0.5 16	VOL	ETL+ 4.4	KET12	13R
		00089	520HF	0.5 16	ID 23	ETL+ 4.4	KET12	13R
		00089	520HF	Cr 0.20	Ax 0.16	ETL+ 4.4	KET12	13R
		00089	520HF	0.3 16	VOL	ETL+ 4.7	KET12	13R
		00089	520HF	0.3 16	ID 23	ETL+ 4.7	KET12	13R
		00089	520HF	Cr 0.10	Ax 0.11	ETL+ 4.7	KET12	13R
47	34	00087	520HF	Cr 0.14	Ax 0.06	ETL+ 1.9	KET12	13R
		00087	520HF	0.6 15	ID 19	ETL+ 1.9	KET12	13R
		00087	520HF	0.6 15	VOL	ETL+ 1.9	KET12	13R
47	49	00089	520HF	Cr 0.20	Ax 0.11	ETL+ 0.5	KET12	13R
		00089	520HF	0.3 24	VOL	ETL+ 0.5	KET12	13R

THREE MILE ISLAND UNIT 1
OTSG-A
OUTAGE 13R
KINETIC EXPANSION INDICATIONS

Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00089	520HF	0.3 24	ID 43	ETL+ 0.5	KET12	13R
47	58	00073	520HF	0.3 12	VOL	ETL+ 3.1	KET06	13R
		00073	520HF	Cr 0.19	Ax 0.17	ETL+ 3.1	KET06	13R
		00073	520HF	0.3 12	ID 17	ETL+ 3.1	KET06	13R
47	70	00073	520HF	Cr 0.15	Ax 0.17	ETL+ 1.8	KET12	13R
		00073	520HF	0.9 19	ID 33	ETL+ 1.8	KET12	13R
		00073	520HF	0.9 19	VOL	ETL+ 1.8	KET12	13R
		00073	520HF	0.4 24	VOL	ETL+ 3.7	KET12	13R
		00073	520HF	0.4 24	ID 48	ETL+ 3.7	KET12	13R
		00073	520HF	Cr 0.19	Ax 0.17	ETL+ 3.7	KET12	13R
47	71	00075	520HF	Cr 0.15	Ax 0.16	ETL+ 2.9	KET12	13R
		00075	520HF	0.6 20	VOL	ETL+ 2.9	KET12	13R
		00075	520HF	0.6 20	ID 31	ETL+ 2.9	KET12	13R
		00075	520HF	Cr 0.15	Ax 0.11	ETL+ 3.1	KET12	13R
		00075	520HF	0.3 28	ID 53	ETL+ 3.1	KET12	13R
		00075	520HF	0.3 28	VOL	ETL+ 3.1	KET12	13R
47	82	00199	520HF	0.2 26	ID 47	ETL+ 2.6	KET12	13R
		00199	520HF	Cr 0.24	Ax 0.13	ETL+ 2.6	KET12	13R
		00199	520HF	0.2 26	VOL	ETL+ 2.6	KET12	13R
		00199	520HF	0.8 22	VOL	ETL+ 4.3	KET12	13R
		00199	520HF	0.8 22	ID 36	ETL+ 4.3	KET12	13R
		00199	520HF	Cr 0.24	Ax 0.19	ETL+ 4.3	KET12	13R
47	89	00201	520HF	Cr 0.20	Ax 0.16	ETL+ 1.8	KET12	13R
		00201	520HF	0.2 37	NT 87	ETL+ 1.8	KET12	13R
		00201	520HF	0.2 37	VOL	ETL+ 1.8	KET12	13R
47	101	00201	520HF	0.4 25	VOL	ETL+ 0.1	KET12	13R
		00201	520HF	Cr 0.25	Ax 0.16	ETL+ 0.1	KET12	13R
		00201	520HF	0.4 25	ID 46	ETL+ 0.1	KET12	13R
48	120	00286	520HF	0.0 0	PRA	ETL+ 0.0	SPEC-INT	13R
		00237	520HF	Cr 0.15	Ax 0.05	ETL+ 0.0	KET03	13R
		00237	520HF	0.2 25	ID 46	ETL+ 0.0	KET03	13R
		00237	520HF	0.2 25	VOL	ETL+ 0.0	KET03	13R
		00286	520HF	0.0 0	PRA	ETL+ 0.1	SPEC-INT	13R
		00237	520HF	Cr 0.21	Ax 0.16	ETL+ 0.1	KET03	13R
		00237	520HF	0.8 26	ID 49	ETL+ 0.1	KET03	13R
		00237	520HF	0.8 26	VOL	ETL+ 0.1	KET03	13R
		00286	520HF	0.0 0	PRA	ETL+ 0.3	SPEC-INT	13R
		00237	520HF	Cr 0.15	Ax 0.16	ETL+ 0.3	KET03	13R
		00237	520HF	0.8 34	VOL	ETL+ 0.3	KET03	13R
		00237	520HF	0.8 34	ID 76	ETL+ 0.3	KET03	13R
		00286	520HF	0.0 0	PRA	ETL+ 0.3	SPEC-INT	13R
		00237	520HF	0.3 23	ID 40	ETL+ 0.3	KET03	13R
		00237	520HF	0.3 23	VOL	ETL+ 0.3	KET03	13R
		00237	520HF	Cr 0.15	Ax 0.11	ETL+ 0.3	KET03	13R
		00286	520HF	0.0 0	PRA	ETL+ 0.5	SPEC-INT	13R
		00237	520HF	1.1 30	VOL	ETL+ 0.5	KET03	13R
		00237	520HF	1.1 30	ID 61	ETL+ 0.5	KET03	13R
		00237	520HF	Cr 0.21	Ax 0.16	ETL+ 0.5	KET03	13R
		00286	520HF	0.0 0	PRA	ETL+ 1.8	KET03	13R
		00237	520HF	0.1 13	ID 17	ETL+ 1.8	KET03	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00237	520HF	0.1 13	VOL	ETL+ 1.8	KET03	13R
		00237	520HF	Cr 0.10	Ax 0.11	ETL+ 1.8	KET03	13R
		00286	520HF	0.0 0	PRA	ETL+ 2.0	KET03	13R
		00237	520HF	Cr 0.15	Ax 0.11	ETL+ 2.0	KET03	13R
		00237	520HF	0.2 22	VOL	ETL+ 2.0	KET03	13R
		00237	520HF	0.2 22	ID 37	ETL+ 2.0	KET03	13R
		00286	520HF	0.0 0	PRA	ETL+ 2.5	KET03	13R
		00237	520HF	0.4 21	ID 35	ETL+ 2.5	KET03	13R
		00237	520HF	0.4 21	VOL	ETL+ 2.5	KET03	13R
		00237	520HF	Cr 0.21	Ax 0.16	ETL+ 2.5	KET03	13R
		00286	520HF	0.0 0	PRA	ETL+ 2.5	KET03	13R
		00237	520HF	0.3 29	VOL	ETL+ 2.5	KET03	13R
		00237	520HF	0.3 29	ID 58	ETL+ 2.5	KET03	13R
		00237	520HF	Cr 0.15	Ax 0.11	ETL+ 2.5	KET03	13R
		00286	520HF	0.0 0	PRA	ETL+ 2.7	KET03	13R
		00237	520HF	0.3 37	NT 87	ETL+ 2.7	KET03	13R
		00237	520HF	Cr 0.21	Ax 0.16	ETL+ 2.7	KET03	13R
		00237	520HF	0.3 37	VOL	ETL+ 2.7	KET03	13R
		00237	520HF	0.1 27	VOL	ETL+ 3.1	KET03	13R
		00237	520HF	Cr 0.10	Ax 0.16	ETL+ 3.1	KET03	13R
		00237	520HF	0.1 27	52	ETL+ 3.1	KET03	13R
		00237	520HF	0.2 28	VOL	ETL+ 3.5	KET03	13R
		00237	520HF	Cr 0.15	Ax 0.11	ETL+ 3.5	KET03	13R
		00237	520HF	0.2 28	ID 55	ETL+ 3.5	KET03	13R
		00237	520HF	0.8 23	VOL	ETL+ 4.0	KET03	13R
		00237	520HF	0.8 23	ID 40	ETL+ 4.0	KET03	13R
		00237	520HF	Cr 0.21	Ax 0.16	ETL+ 4.0	KET03	13R
49	21	00087	520HF	Cr 0.10	Ax 0.12	ETL+ 1.2	KET03	13R
		00087	520HF	0.5 31	ID 63	ETL+ 1.2	KET03	13R
		00087	520HF	0.5 31	VOL	ETL+ 1.2	KET03	13R
		00087	520HF	1.3 29	VOL	ETL+ 2.8	KET03	13R
		00087	520HF	1.3 29	ID 57	ETL+ 2.8	KET03	13R
		00087	520HF	Cr 0.19	Ax 0.23	ETL+ 2.8	KET03	13R
49	53	00073	520HF	0.4 14	ID 21	ETL+ 3.4	KET03	13R
		00073	520HF	Cr 0.15	Ax 0.11	ETL+ 3.4	KET03	13R
		00073	520HF	0.4 14	VOL	ETL+ 3.4	KET03	13R
50	10	00099	520HF	0.3 24	VOL	ETL+ 2.2	KET06	13R
		00099	520HF	0.3 24	ID 41	ETL+ 2.2	KET06	13R
		00099	520HF	Cr 0.15	Ax 0.11	ETL+ 2.2	KET06	13R
50	13	00089	520HF	Cr 0.15	Ax 0.16	ETL+ 1.3	KET12	13R
		00089	520HF	0.3 21	VOL	ETL+ 1.3	KET12	13R
		00089	520HF	0.3 21	ID 35	ETL+ 1.3	KET12	13R
50	21	00089	520HF	0.4 20	ID 32	ETL+ 1.3	KET12	13R
		00089	520HF	Cr 0.20	Ax 0.16	ETL+ 1.3	KET12	13R
		00089	520HF	0.4 20	VOL	ETL+ 1.3	KET12	13R
		00089	520HF	0.1 11	VOL	ETL+ 3.6	KET12	13R
		00089	520HF	0.1 11	13	ETL+ 3.6	KET12	13R
		00089	520HF	Cr 0.10	Ax 0.11	ETL+ 3.6	KET12	13R
50	44	00253	520HF	0.1 5	VOL	ETL+ 2.8	KET12	13R
		00253	520HF	0.1 3	ID 3	ETL+ 2.8	KET12	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00253	520HF	Cr 0.15	Ax 0.11	ETL+ 2.8	KET12	13R
		00253	520HF	0.2 18	ID 26	ETL+ 3.1	KET12	13R
		00253	520HF	0.2 18	VOL	ETL+ 3.1	KET12	13R
		00253	520HF	Cr 0.10	Ax 0.11	ETL+ 3.1	KET12	13R
		00253	520HF	0.2 20	VOL	ETL+ 3.5	KET12	13R
		00253	520HF	0.2 20	ID 31	ETL+ 3.5	KET12	13R
		00253	520HF	Cr 0.15	Ax 0.16	ETL+ 3.5	KET12	13R
50	51	00073	520HF	0.4 11	VOL	ETL+ 1.8	KET12	13R
		00338	520HF	0.0 0	PRA	ETL+ 1.8	KET12	13R
		00073	520HF	0.4 11	ID 12	ETL+ 1.8	KET12	13R
		00073	520HF	Cr 0.15	Ax 0.10	ETL+ 1.8	KET12	13R
		00097	520HF	0.4 11	ID 12	ETL+ 1.8	KET12	13R
		00097	520HF	Cr 0.15	Ax 0.10	ETL+ 1.8	KET12	13R
		00097	520HF	0.4 11	VOL	ETL+ 1.8	KET12	13R
		00073	520HF	Cr 0.15	Ax 0.10	ETL+ 4.7	KET12	13R
		00338	520HF	0.0 0	PRA	ETL+ 4.7	KET12	13R
		00073	520HF	0.3 14	ID 17	ETL+ 4.7	KET12	13R
		00073	520HF	0.3 14	VOL	ETL+ 4.7	KET12	13R
		00097	520HF	0.3 14	ID 17	ETL+ 4.7	KET12	13R
		00097	520HF	Cr 0.15	Ax 0.10	ETL+ 4.7	KET12	13R
		00097	520HF	0.3 14	VOL	ETL+ 4.7	KET12	13R
50	74	00075	520HF	0.4 22	VOL	ETL+ 1.6	KET12	13R
		00075	520HF	Cr 0.15	Ax 0.21	ETL+ 1.6	KET12	13R
		00075	520HF	0.4 22	ID 36	ETL+ 1.6	KET12	13R
		00075	520HF	0.4 18	VOL	ETL+ 2.1	KET12	13R
		00075	520HF	0.4 18	ID 26	ETL+ 2.1	KET12	13R
		00075	520HF	Cr 0.15	Ax 0.16	ETL+ 2.1	KET12	13R
		00075	520HF	Cr 0.15	Ax 0.16	ETL+ 2.1	KET12	13R
		00075	520HF	0.2 15	ID 19	ETL+ 2.1	KET12	13R
		00075	520HF	0.2 15	VOL	ETL+ 2.1	KET12	13R
		00075	520HF	Cr 0.15	Ax 0.11	ETL+ 2.7	KET12	13R
		00075	520HF	0.4 25	ID 44	ETL+ 2.7	KET12	13R
		00075	520HF	0.4 25	VOL	ETL+ 2.7	KET12	13R
		00398	520HF	1.0 30	PID	ETL+ 3.1	SPEC-INT	13R
		00075	520HF	0.7 24	ID 41	ETL+ 3.1	KET12	13R
		00075	520HF	0.7 24	VOL	ETL+ 3.1	KET12	13R
		00075	520HF	Cr 0.15	Ax 0.16	ETL+ 3.1	KET12	13R
50	91	00201	520HF	0.4 23	ID 40	ETL+ 1.5	KET12	13R
		00201	520HF	0.4 23	VOL	ETL+ 1.5	KET12	13R
		00201	520HF	Cr 0.20	Ax 0.16	ETL+ 1.5	KET12	13R
		00201	520HF	0.4 15	VOL	ETL+ 3.1	KET12	13R
		00201	520HF	Cr 0.15	Ax 0.16	ETL+ 3.1	KET12	13R
		00201	520HF	0.4 15	ID 21	ETL+ 3.1	KET12	13R
50	109	00201	520HF	Cr 0.10	Ax 0.10	ETL+ 2.8	KET12	13R
		00201	520HF	0.2 28	ID 55	ETL+ 2.8	KET12	13R
		00201	520HF	0.2 28	VOL	ETL+ 2.8	KET12	13R
52	17	00097	520HF	Cr 0.15	Ax 0.10	ETL+ 0.8	KET12	13R
		00097	520HF	0.1 35	VOL	ETL+ 0.8	KET12	13R
		00097	520HF	0.1 35	NT 78	ETL+ 0.8	KET12	13R
52	33	00097	520HF	0.3 18	VOL	ETL+ 2.2	KET12	13R

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KINETIC EXPANSION INDICATIONS

Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00097	520HF	Cr 0.15	Ax 0.10	ETL+ 2.2	KET12	13R
		00097	520HF	0.3 18	ID 26	ETL+ 2.2	KET12	13R
		00097	520HF	0.3 18	ID 26	ETL+ 3.5	KET12	13R
		00097	520HF	Cr 0.15	Ax 0.10	ETL+ 3.5	KET12	13R
		00097	520HF	0.3 18	VOL	ETL+ 3.5	KET12	13R
52	49	00097	520HF	0.4 16	ID 21	ETL+ 2.1	KET12	13R
		00097	520HF	0.4 16	VOL	ETL+ 2.1	KET12	13R
		00097	520HF	Cr 0.20	Ax 0.16	ETL+ 2.1	KET12	13R
52	58	00075	520HF	0.6 25	ID 44	ETL+ 1.9	KET12	13R
		00075	520HF	Cr 0.16	Ax 0.20	ETL+ 1.9	KET12	13R
		00075	520HF	0.6 25	VOL	ETL+ 1.9	KET12	13R
		00075	520HF	0.3 20	ID 31	ETL+ 2.9	KET12	13R
		00075	520HF	Cr 0.20	Ax 0.11	ETL+ 2.9	KET12	13R
		00075	520HF	0.3 20	VOL	ETL+ 2.9	KET12	13R
52	66	00075	520HF	0.2 11	ID 12	ETL+ 1.5	KET03	13R
		00075	520HF	Cr 0.15	Ax 0.11	ETL+ 1.5	KET03	13R
		00075	520HF	0.2 11	VOL	ETL+ 1.5	KET03	13R
		00075	520HF	Cr 0.10	Ax 0.11	ETL+ 2.8	KET03	13R
		00075	520HF	0.2 21	ID 33	ETL+ 2.8	KET03	13R
		00075	520HF	0.2 21	VOL	ETL+ 2.8	KET03	13R
52	71	00073	520HF	0.2 8	VOL	ETL+ 0.8	KET12	13R
		00073	520HF	Cr 0.15	Ax 0.11	ETL+ 0.8	KET12	13R
		00073	520HF	0.2 8	ID 10	ETL+ 0.8	KET12	13R
		00073	520HF	Cr 0.15	Ax 0.06	ETL+ 3.8	KET12	13R
		00073	520HF	0.3 16	ID 26	ETL+ 3.8	KET12	13R
		00073	520HF	0.3 16	VOL	ETL+ 3.8	KET12	13R
52	95	00199	520HF	1.2 28	ID 53	ETL+ 0.0	KET12	13R
		00199	520HF	1.2 28	VOL	ETL+ 0.0	KET12	13R
		00199	520HF	Cr 0.16	Ax 0.21	ETL+ 0.0	KET12	13R
52	110	00201	520HF	0.2 37	ARC	ETL+ 2.7	KET03	13R
		00201	520HF	1.6 32	ID 68	ETL+ 2.7	KET03	13R
		00201	520HF	1.6 32	SCI	ETL+ 2.7	KET03	13R
54	77	00199	520HF	Cr 0.20	Ax 0.12	ETL+ 1.0	KET03	13R
		00199	520HF	0.7 6	VOL	ETL+ 1.0	KET03	13R
		00199	520HF	0.7 6	ID 5	ETL+ 1.0	KET03	13R
		00199	520HF	Cr 0.14	Ax 0.17	ETL+ 2.2	KET03	13R
		00199	520HF	0.7 19	VOL	ETL+ 2.2	KET03	13R
		00199	520HF	0.7 19	ID 28	ETL+ 2.2	KET03	13R
		00199	520HF	0.4 30	VOL	ETL+ 4.0	KET03	13R
		00199	520HF	0.4 30	ID 60	ETL+ 4.0	KET03	13R
		00199	520HF	Cr 0.20	Ax 0.20	ETL+ 4.0	KET03	13R
55	14	00097	520HF	0.2 8	VOL	ETL+ 1.9	KET12	13R
		00097	520HF	0.2 8	ID 8	ETL+ 1.9	KET12	13R
		00097	520HF	Cr 0.15	Ax 0.21	ETL+ 1.9	KET12	13R
55	20	00097	520HF	0.4 11	ID 12	ETL+ 2.0	KET12	13R
		00097	520HF	Cr 0.15	Ax 0.05	ETL+ 2.0	KET12	13R
		00097	520HF	0.4 11	VOL	ETL+ 2.0	KET12	13R
55	21	00095	520HF	0.7 18	SCI	ETL+ 1.1	KET12	13R
		00095	520HF	0.7 18	ID 26	ETL+ 1.1	KET12	13R
		00095	520HF	0.2 90	ARC	ETL+ 1.1	KET12	13R

THREE MILE ISLAND UNIT 1
OTSG-A
OUTAGE 13R
KINETIC EXPANSION INDICATIONS

Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
55	26	00097	520HF	0.4 7	ID 7	ETL+ 1.8	KET12	13R
		00097	520HF	0.4 7	VOL	ETL+ 1.8	KET12	13R
		00097	520HF	Cr 0.15	Ax 0.05	ETL+ 1.8	KET12	13R
		00097	520HF	0.9 23	ID 38	ETL+ 5.0	KET12	13R
		00097	520HF	Cr 0.15	Ax 0.16	ETL+ 5.0	KET12	13R
		00097	520HF	0.9 23	VOL	ETL+ 5.0	KET12	13R
55	28	00097	520HF	0.3 34	VOL	ETL+ 3.1	KET06	13R
		00097	520HF	0.3 34	ID 11	ETL+ 3.1	KET06	13R
		00097	520HF	Cr 0.20	Ax 0.21	ETL+ 3.1	KET06	13R
		00097	520HF	0.4 26	ID 47	ETL+ 4.5	KET06	13R
		00097	520HF	0.4 26	VOL	ETL+ 4.5	KET06	13R
		00097	520HF	Cr 0.20	Ax 0.16	ETL+ 4.5	KET06	13R
55	29	00253	520HF	Cr 0.10	Ax 0.05	ETL+ 2.6	KET12	13R
		00253	520HF	0.3 14	VOL	ETL+ 2.6	KET12	13R
		00253	520HF	0.3 14	ID 17	ETL+ 2.6	KET12	13R
55	34	00253	520HF	0.2 35	NT 78	ETL+ 0.3	KET12	13R
		00253	520HF	Cr 0.10	Ax 0.11	ETL+ 0.3	KET12	13R
		00253	520HF	0.2 35	VOL	ETL+ 0.3	KET12	13R
		00253	520HF	0.2 23	ID 38	ETL+ 0.7	KET12	13R
		00253	520HF	0.2 23	VOL	ETL+ 0.7	KET12	13R
		00253	520HF	Cr 0.15	Ax 0.16	ETL+ 0.7	KET12	13R
55	35	00097	520HF	0.2 26	VOL	ETL+ 0.1	KET12	13R
		00097	520HF	Cr 0.15	Ax 0.24	ETL+ 0.1	KET12	13R
		00097	520HF	0.2 26	ID 47	ETL+ 0.1	KET12	13R
55	38	00253	520HF	0.1 22	VOL	ETL+ 1.4	KET12	13R
		00253	520HF	Cr 0.10	Ax 0.11	ETL+ 1.4	KET12	13R
		00253	520HF	0.1 22	36	ETL+ 1.4	KET12	13R
		00253	520HF	Cr 0.21	Ax 0.16	ETL+ 3.9	KET12	13R
		00253	520HF	0.2 24	ID 41	ETL+ 3.9	KET12	13R
		00253	520HF	0.2 24	VOL	ETL+ 3.9	KET12	13R
		00253	520HF	Cr 0.15	Ax 0.11	ETL+ 4.9	KET12	13R
		00253	520HF	0.2 18	ID 26	ETL+ 4.9	KET12	13R
		00253	520HF	0.2 18	VOL	ETL+ 4.9	KET12	13R
55	79	00199	520HF	0.4 21	ID 33	ETL+ 1.1	KET12	13R
		00199	520HF	Cr 0.11	Ax 0.12	ETL+ 1.1	KET12	13R
		00199	520HF	0.4 21	VOL	ETL+ 1.1	KET12	13R
		00199	520HF	Cr 0.14	Ax 0.12	ETL+ 1.4	KET12	13R
		00199	520HF	0.4 16	VOL	ETL+ 1.4	KET12	13R
		00199	520HF	0.4 16	ID 21	ETL+ 1.4	KET12	13R
		00199	520HF	0.5 13	ID 16	ETL+ 2.6	KET12	13R
		00199	520HF	0.5 13	VOL	ETL+ 2.6	KET12	13R
		00199	520HF	Cr 0.14	Ax 0.10	ETL+ 2.6	KET12	13R
55	114	00201	520HF	0.6 13	VOL	ETL+ 0.4	KET12	13R
		00201	520HF	0.6 13	ID 17	ETL+ 0.4	KET12	13R
		00201	520HF	Cr 0.20	Ax 0.16	ETL+ 0.4	KET12	13R
55	118	00237	520HF	0.4 23	VOL	ETL+ 2.0	KET12	13R
		00237	520HF	Cr 0.15	Ax 0.11	ETL+ 2.0	KET12	13R
		00237	520HF	0.4 23	ID 40	ETL+ 2.0	KET12	13R
55	120	00239	520HF	Cr 0.15	Ax 0.10	ETL+ 0.3	KET06	13R
		00239	520HF	0.3 26	VOL	ETL+ 0.3	KET06	13R

THREE MILE ISLAND UNIT 1
OTSG-A
OUTAGE 13R
KINETIC EXPANSION INDICATIONS

Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00239	520HF	0.3 26	ID 50	ETL+ 0.3	KET06	13R
		00239	520HF	0.4 22	VOL	ETL+ 1.4	KET06	13R
		00239	520HF	Cr 0.15	Ax 0.10	ETL+ 1.4	KET06	13R
		00239	520HF	0.4 22	ID 36	ETL+ 1.4	KET06	13R
55	122	00237	520HF	0.5 13	ID 17	ETL+ 0.8	KET12	13R
		00237	520HF	Cr 0.10	Ax 0.05	ETL+ 0.8	KET12	13R
		00237	520HF	0.5 13	VOL	ETL+ 0.8	KET12	13R
		00237	520HF	Cr 0.10	Ax 0.11	ETL+ 2.5	KET12	13R
		00237	520HF	1.3 29	VOL	ETL+ 2.5	KET12	13R
		00237	520HF	1.3 29	ID 58	ETL+ 2.5	KET12	13R
		00237	520HF	1.8 33	VOL	ETL+ 3.6	KET12	13R
		00237	520HF	Cr 0.21	Ax 0.11	ETL+ 3.6	KET12	13R
		00237	520HF	1.8 33	ID 72	ETL+ 3.6	KET12	13R
57	22	00097	520HF	Cr 0.15	Ax 0.10	ETL+ 0.0	KET12	13R
		00097	520HF	0.5 16	VOL	ETL+ 0.0	KET12	13R
		00097	520HF	0.5 16	ID 21	ETL+ 0.0	KET12	13R
		00097	520HF	Cr 0.15	Ax 0.10	ETL+ 0.8	KET12	13R
		00097	520HF	0.2 24	VOL	ETL+ 0.8	KET12	13R
		00097	520HF	0.2 24	ID 41	ETL+ 0.8	KET12	13R
		00097	520HF	Cr 0.15	Ax 0.10	ETL+ 1.7	KET12	13R
		00097	520HF	0.3 9	VOL	ETL+ 1.7	KET12	13R
		00097	520HF	0.3 9	ID 9	ETL+ 1.7	KET12	13R
		00097	520HF	0.3 12	VOL	ETL+ 3.6	KET12	13R
		00097	520HF	0.3 12	ID 14	ETL+ 3.6	KET12	13R
		00097	520HF	Cr 0.20	Ax 0.10	ETL+ 3.6	KET12	13R
		00097	520HF	0.5 20	VOL	ETL+ 4.0	KET12	13R
		00097	520HF	Cr 0.15	Ax 0.10	ETL+ 4.0	KET12	13R
		00097	520HF	0.5 20	ID 31	ETL+ 4.0	KET12	13R
57	28	00097	520HF	0.4 21	VOL	ETL+ 0.3	KET12	13R
		00097	520HF	0.4 21	ID 33	ETL+ 0.3	KET12	13R
		00097	520HF	Cr 0.15	Ax 0.10	ETL+ 0.3	KET12	13R
		00097	520HF	Cr 0.20	Ax 0.16	ETL+ 1.8	KET12	13R
		00097	520HF	0.2 9	VOL	ETL+ 1.8	KET12	13R
		00097	520HF	0.2 9	ID 9	ETL+ 1.8	KET12	13R
		00097	520HF	Cr 0.10	Ax 0.16	ETL+ 3.7	KET12	13R
		00097	520HF	0.1 18	ID 26	ETL+ 3.7	KET12	13R
		00097	520HF	0.1 18	VOL	ETL+ 3.7	KET12	13R
57	59	00073	520HF	0.2 90	ARC	ETL+ 1.0	KET06	13R
		00073	520HF	1.1 24	SCI	ETL+ 1.0	KET06	13R
		00073	520HF	1.1 24	ID 45	ETL+ 1.0	KET06	13R
		00073	520HF	Cr 0.10	Ax 0.11	ETL+ 2.6	KET06	13R
		00073	520HF	0.2 7	VOL	ETL+ 2.6	KET06	13R
		00073	520HF	0.2 7	ID 8	ETL+ 2.6	KET06	13R
		00073	520HF	0.5 20	VOL	ETL+ 5.3	KET06	13R
		00073	520HF	0.5 20	ID 36	ETL+ 5.3	KET06	13R
		00073	520HF	Cr 0.10	Ax 0.11	ETL+ 5.3	KET06	13R
57	70	00075	520HF	0.2 19	ID 28	ETL+ 0.2	KET12	13R
		00075	520HF	Cr 0.20	Ax 0.16	ETL+ 0.2	KET12	13R
		00075	520HF	0.2 19	VOL	ETL+ 0.2	KET12	13R
		00075	520HF	0.6 29	ID 57	ETL+ 0.8	KET12	13R

THREE MILE ISLAND UNIT 1
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OUTAGE 13R
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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00075	520HF	0.2 90	ARC	ETL+ 0.8	KET12	13R
		00075	520HF	0.6 29	SCI	ETL+ 0.8	KET12	13R
57	71	00073	520HF	0.9 28	VOL	ETL+ 0.1	KET03	13R
		00073	520HF	0.9 28	ID 61	ETL+ 0.1	KET03	13R
		00073	520HF	Cr 0.15	Ax 0.06	ETL+ 0.1	KET03	13R
		00073	520HF	Cr 0.10	Ax 0.06	ETL+ 0.5	KET03	13R
		00073	520HF	0.2 16	ID 26	ETL+ 0.5	KET03	13R
		00073	520HF	0.2 16	VOL	ETL+ 0.5	KET03	13R
		00073	520HF	Cr 0.15	Ax 0.06	ETL+ 1.8	KET03	13R
		00073	520HF	0.3 24	ID 48	ETL+ 1.8	KET03	13R
		00073	520HF	0.3 24	VOL	ETL+ 1.8	KET03	13R
		00073	520HF	0.3 17	VOL	ETL+ 2.4	KET03	13R
		00073	520HF	Cr 0.10	Ax 0.11	ETL+ 2.4	KET03	13R
		00073	520HF	0.3 17	ID 28	ETL+ 2.4	KET03	13R
		00073	520HF	0.3 18	VOL	ETL+ 3.3	KET03	13R
		00073	520HF	0.3 18	ID 31	ETL+ 3.3	KET03	13R
		00073	520HF	Cr 0.15	Ax 0.06	ETL+ 3.3	KET03	13R
		00073	520HF	0.2 90	ARC	ETL+ 4.4	KET03	13R
		00073	520HF	1.3 26	ID 54	ETL+ 4.4	KET03	13R
		00073	520HF	1.3 26	SCI	ETL+ 4.4	KET03	13R
57	92	00211	520HF	Cr 0.15	Ax 0.10	ETL+ 0.1	KET03	13R
		00211	520HF	0.6 26	ID 46	ETL+ 0.1	KET03	13R
		00211	520HF	0.6 26	VOL	ETL+ 0.1	KET03	13R
		00211	520HF	Cr 0.15	Ax 0.10	ETL+ 0.3	KET03	13R
		00211	520HF	0.2 28	VOL	ETL+ 0.3	KET03	13R
		00211	520HF	0.2 28	ID 50	ETL+ 0.3	KET03	13R
57	93	00209	520HF	0.8 27	ID 51	ETL+ 2.4	KET12	13R
		00209	520HF	0.8 27	VOL	ETL+ 2.4	KET12	13R
		00209	520HF	Cr 0.20	Ax 0.22	ETL+ 2.4	KET12	13R
		00209	520HF	0.7 30	ID 60	ETL+ 4.3	KET12	13R
		00209	520HF	0.7 30	VOL	ETL+ 4.3	KET12	13R
		00209	520HF	Cr 0.20	Ax 0.16	ETL+ 4.3	KET12	13R
57	94	00211	520HF	0.5 29	VOL	ETL+ 3.1	KET12	13R
		00211	520HF	0.5 29	ID 52	ETL+ 3.1	KET12	13R
		00211	520HF	Cr 0.15	Ax 0.10	ETL+ 3.1	KET12	13R
		00211	520HF	0.3 9	VOL	ETL+ 3.8	KET12	13R
		00211	520HF	0.3 9	ID 9	ETL+ 3.8	KET12	13R
		00211	520HF	Cr 0.15	Ax 0.10	ETL+ 3.8	KET12	13R
57	119	00239	520HF	Cr 0.21	Ax 0.16	ETL+ 2.4	KET12	13R
		00239	520HF	1.1 26	VOL	ETL+ 2.4	KET12	13R
		00239	520HF	1.1 26	ID 50	ETL+ 2.4	KET12	13R
		00239	520HF	Cr 0.15	Ax 0.10	ETL+ 3.8	KET12	13R
		00239	520HF	0.7 22	VOL	ETL+ 3.8	KET12	13R
		00239	520HF	0.7 22	ID 36	ETL+ 3.8	KET12	13R
58	31	00255	520HF	0.6 21	VOL	ETL+ 0.1	KET03	13R
		00255	520HF	0.6 21	ID 33	ETL+ 0.1	KET03	13R
		00255	520HF	Cr 0.16	Ax 0.17	ETL+ 0.1	KET03	13R
		00255	520HF	Cr 0.16	Ax 0.10	ETL+ 1.7	KET03	13R
		00255	520HF	0.2 15	VOL	ETL+ 1.7	KET03	13R
		00255	520HF	0.2 15	ID 20	ETL+ 1.7	KET03	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
58	105	00286	520HF	Cr 0.12	Ax 0.10	ETL+ 0.2	SPEC-INT	13R
		00286	520HF	0.3 17	ID 24	ETL+ 0.2	SPEC-INT	13R
		00286	520HF	0.4 25	VOL	ETL+ 0.2	SPEC-INT	13R
58	114	00209	520HF	0.5 15	ID 20	ETL+ 1.3	KET03	13R
		00209	520HF	0.5 15	VOL	ETL+ 1.3	KET03	13R
		00209	520HF	Cr 0.20	Ax 0.11	ETL+ 1.3	KET03	13R
		00209	520HF	0.9 30	ID 61	ETL+ 3.1	KET03	13R
		00209	520HF	0.9 30	VOL	ETL+ 3.1	KET03	13R
		00209	520HF	Cr 0.20	Ax 0.11	ETL+ 3.1	KET03	13R
58	120	00237	520HF	0.4 11	VOL	ETL+ 1.0	KET03	13R
		00237	520HF	0.4 11	ID 13	ETL+ 1.0	KET03	13R
		00237	520HF	Cr 0.15	Ax 0.11	ETL+ 1.0	KET03	13R
59	18	00097	520HF	Cr 0.15	Ax 0.16	ETL+ 1.8	KET12	13R
		00097	520HF	0.3 20	ID 31	ETL+ 1.8	KET12	13R
		00097	520HF	0.3 20	VOL	ETL+ 1.8	KET12	13R
59	27	00097	520HF	1.3 24	ID 41	ETL+ 0.9	KET12	13R
		00097	520HF	Cr 0.20	Ax 0.16	ETL+ 0.9	KET12	13R
		00097	520HF	1.3 24	VOL	ETL+ 0.9	KET12	13R
59	28	00095	520HF	Cr 0.10	Ax 0.12	ETL+ 0.7	KET12	13R
		00095	520HF	0.7 18	ID 26	ETL+ 0.7	KET12	13R
		00095	520HF	0.7 18	VOL	ETL+ 0.7	KET12	13R
59	46	00255	520HF	0.2 14	ID 18	ETL+ 1.9	KET12	13R
		00255	520HF	Cr 0.19	Ax 0.14	ETL+ 1.9	KET12	13R
		00255	520HF	0.2 14	VOL	ETL+ 1.9	KET12	13R
59	47	00253	520HF	0.2 13	VOL	ETL+ 1.1	KET12	13R
		00253	520HF	0.2 13	ID 16	ETL+ 1.1	KET12	13R
		00253	520HF	Cr 0.10	Ax 0.11	ETL+ 1.1	KET12	13R
		00253	520HF	0.2 20	VOL	ETL+ 3.0	KET12	13R
		00253	520HF	0.2 20	ID 31	ETL+ 3.0	KET12	13R
		00253	520HF	Cr 0.15	Ax 0.16	ETL+ 3.0	KET12	13R
		00253	520HF	0.6 31	VOL	ETL+ 3.9	KET12	13R
		00253	520HF	0.6 31	ID 63	ETL+ 3.9	KET12	13R
		00253	520HF	Cr 0.25	Ax 0.11	ETL+ 3.9	KET12	13R
59	51	00253	520HF	0.1 20	VOL	ETL+ 0.8	KET12	13R
		00253	520HF	0.1 20	31	ETL+ 0.8	KET12	13R
		00253	520HF	Cr 0.15	Ax 0.11	ETL+ 0.8	KET12	13R
59	79	00211	520HF	0.3 26	ID 46	ETL+ 2.5	KET03	13R
		00211	520HF	0.3 26	VOL	ETL+ 2.5	KET03	13R
		00211	520HF	Cr 0.10	Ax 0.10	ETL+ 2.5	KET03	13R
59	81	00211	520HF	Cr 0.15	Ax 0.10	ETL+ 0.9	KET12	13R
		00211	520HF	0.3 22	ID 39	ETL+ 0.9	KET12	13R
		00211	520HF	0.3 22	VOL	ETL+ 0.9	KET12	13R
		00211	520HF	0.2 17	VOL	ETL+ 1.3	KET12	13R
		00211	520HF	0.2 17	ID 29	ETL+ 1.3	KET12	13R
		00211	520HF	Cr 0.15	Ax 0.15	ETL+ 1.3	KET12	13R
59	82	00209	520HF	0.5 6	ID 5	ETL+ 0.6	KET12	13R
		00209	520HF	Cr 0.18	Ax 0.14	ETL+ 0.6	KET12	13R
		00209	520HF	0.5 6	VOL	ETL+ 0.6	KET12	13R
59	84	00209	520HF	0.2 25	ID 44	ETL+ 0.0	KET12	13R
		00209	520HF	Cr 0.15	Ax 0.11	ETL+ 0.0	KET12	13R

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OTSG-A
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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00209	520HF	0.2 25	VOL	ETL+ 0.0	KET12	13R
		00209	520HF	0.3 20	VOL	ETL+ 0.7	KET12	13R
		00209	520HF	Cr 0.15	Ax 0.11	ETL+ 0.7	KET12	13R
		00209	520HF	0.3 20	ID 31	ETL+ 0.7	KET12	13R
		00209	520HF	0.2 17	VOL	ETL+ 2.5	KET12	13R
		00209	520HF	0.2 17	ID 24	ETL+ 2.5	KET12	13R
		00209	520HF	Cr 0.15	Ax 0.16	ETL+ 2.5	KET12	13R
		00209	520HF	0.3 1	ID 1	ETL+ 3.0	KET12	13R
		00209	520HF	Cr 0.20	Ax 0.16	ETL+ 3.0	KET12	13R
		00209	520HF	0.3 1	VOL	ETL+ 3.0	KET12	13R
		00209	520HF	Cr 0.15	Ax 0.16	ETL+ 3.3	KET12	13R
		00209	520HF	0.3 9	VOL	ETL+ 3.3	KET12	13R
		00209	520HF	0.3 9	ID 9	ETL+ 3.3	KET12	13R
		00209	520HF	Cr 0.15	Ax 0.11	ETL+ 3.7	KET12	13R
		00209	520HF	0.3 8	VOL	ETL+ 3.7	KET12	13R
		00209	520HF	0.3 8	ID 8	ETL+ 3.7	KET12	13R
		00209	520HF	0.5 16	VOL	ETL+ 4.9	KET12	13R
		00209	520HF	Cr 0.15	Ax 0.15	ETL+ 4.9	KET12	13R
		00209	520HF	0.5 16	ID 22	ETL+ 4.9	KET12	13R
		00209	520HF	Cr 0.20	Ax 0.15	ETL+ 6.8	KET12	13R
		00209	520HF	0.3 25	VOL	ETL+ 6.8	KET12	13R
		00209	520HF	0.3 25	ID 44	ETL+ 6.8	KET12	13R
		00209	520HF	0.4 14	ID 18	ETL+ 7.3	KET12	13R
		00209	520HF	0.4 14	VOL	ETL+ 7.3	KET12	13R
		00209	520HF	Cr 0.15	Ax 0.15	ETL+ 7.3	KET12	13R
59	115	00239	520HF	Cr 0.15	Ax 0.10	ETL+ 1.4	KET12	13R
		00239	520HF	0.3 23	VOL	ETL+ 1.4	KET12	13R
		00239	520HF	0.3 23	ID 39	ETL+ 1.4	KET12	13R
60	30	00251	520HF	0.3 17	ID 24	ETL+ 1.6	KET03	13R
		00251	520HF	0.3 17	VOL	ETL+ 1.6	KET03	13R
		00251	520HF	Cr 0.16	Ax 0.12	ETL+ 1.6	KET03	13R
61	10	00121	520HF	0.6 13	ID 15	ETL+ 1.9	KET12	13R
		00121	520HF	0.6 13	VOL	ETL+ 1.9	KET12	13R
		00121	520HF	Cr 0.15	Ax 0.15	ETL+ 1.9	KET12	13R
61	15	00101	520HF	0.2 17	VOL	ETL+ 1.3	KET12	13R
		00101	520HF	Cr 0.10	Ax 0.10	ETL+ 1.3	KET12	13R
		00101	520HF	0.2 17	ID 23	ETL+ 1.3	KET12	13R
61	18	00099	520HF	0.3 35	NT 78	ETL+ 0.4	KET12	13R
		00099	520HF	Cr 0.15	Ax 0.16	ETL+ 0.4	KET12	13R
		00099	520HF	0.3 35	VOL	ETL+ 0.4	KET12	13R
61	61	00143	520HF	0.3 32	ARC	ETL+ 3.2	KET12	13R
		00143	520HF	2.1 35	SCI	ETL+ 3.2	KET12	13R
		00143	520HF	2.1 35	NT 78	ETL+ 3.2	KET12	13R
61	119	00237	520HF	0.3 14	VOL	ETL+ 1.1	KET12	13R
		00237	520HF	0.3 14	ID 19	ETL+ 1.1	KET12	13R
		00237	520HF	Cr 0.16	Ax 0.11	ETL+ 1.1	KET12	13R
61	124	00237	520HF	0.5 18	VOL	ETL+ 3.7	KET06	13R
		00237	520HF	Cr 0.21	Ax 0.22	ETL+ 3.7	KET06	13R
		00237	520HF	0.5 18	ID 27	ETL+ 3.7	KET06	13R
63	17	00298	520HF	Cr 0.15	Ax 0.19	ETL+ 2.3	SPEC-INT	13R

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OTSG-A
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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00298	520HF	0.4 16	VOL	ETL+ 2.3	SPEC-INT	13R
		00298	520HF	0.4 16	ID 23	ETL+ 2.3	SPEC-INT	13R
64	15	00099	520HF	0.3 21	VOL	ETL+ 0.2	KET12	13R
		00099	520HF	Cr 0.15	Ax 0.11	ETL+ 0.2	KET12	13R
		00099	520HF	0.3 21	ID 33	ETL+ 0.2	KET12	13R
64	16	00101	520HF	0.2 9	VOL	ETL+ 1.8	KET12	13R
		00101	520HF	0.2 9	ID 9	ETL+ 1.8	KET12	13R
		00101	520HF	Cr 0.15	Ax 0.16	ETL+ 1.8	KET12	13R
		00101	520HF	Cr 0.15	Ax 0.10	ETL+ 3.4	KET12	13R
		00101	520HF	0.2 11	ID 12	ETL+ 3.4	KET12	13R
		00101	520HF	0.2 11	VOL	ETL+ 3.4	KET12	13R
64	29	00099	520HF	Cr 0.20	Ax 0.22	ETL+ 3.2	KET12	13R
		00099	520HF	0.3 26	ID 47	ETL+ 3.2	KET12	13R
		00099	520HF	0.3 26	VOL	ETL+ 3.2	KET12	13R
64	52	00251	520HF	0.2 17	VOL	ETL+ 1.6	KET12	13R
		00251	520HF	Cr 0.16	Ax 0.12	ETL+ 1.6	KET12	13R
		00251	520HF	0.2 17	ID 24	ETL+ 1.6	KET12	13R
		00251	520HF	Cr 0.16	Ax 0.12	ETL+ 3.7	KET12	13R
		00251	520HF	0.2 6	VOL	ETL+ 3.7	KET12	13R
		00251	520HF	0.2 6	ID 5	ETL+ 3.7	KET12	13R
64	54	00251	520HF	0.2 24	ID 42	ETL+ 1.8	KET12	13R
		00251	520HF	0.2 24	VOL	ETL+ 1.8	KET12	13R
		00251	520HF	Cr 0.11	Ax 0.10	ETL+ 1.8	KET12	13R
64	60	00073	520HF	0.2 37	ARC	ETL+ 1.3	KET12	13R
		00073	520HF	1.4 26	SCI	ETL+ 1.3	KET12	13R
		00073	520HF	1.4 26	ID 54	ETL+ 1.3	KET12	13R
64	64	00143	520HF	Cr 0.10	Ax 0.11	ETL+ 2.0	KET12	13R
		00143	520HF	0.5 23	VOL	ETL+ 2.0	KET12	13R
		00143	520HF	0.5 23	ID 38	ETL+ 2.0	KET12	13R
64	74	00069	520HF	0.3 14	ID 26	ETL+ 0.0	KET06	13R
		00069	520HF	Cr 0.10	Ax 0.06	ETL+ 0.0	KET06	13R
		00069	520HF	0.3 14	VOL	ETL+ 0.0	KET06	13R
64	79	00211	520HF	0.3 15	ID 25	ETL+ 2.0	KET12	13R
		00211	520HF	0.3 15	VOL	ETL+ 2.0	KET12	13R
		00211	520HF	Cr 0.21	Ax 0.20	ETL+ 2.0	KET12	13R
64	80	00209	520HF	Cr 0.16	Ax 0.16	ETL+ 0.1	KET12	13R
		00209	520HF	0.7 18	VOL	ETL+ 0.1	KET12	13R
		00209	520HF	0.7 18	ID 26	ETL+ 0.1	KET12	13R
		00209	520HF	0.9 24	VOL	ETL+ 1.4	KET12	13R
		00209	520HF	0.9 24	ID 42	ETL+ 1.4	KET12	13R
		00209	520HF	Cr 0.16	Ax 0.21	ETL+ 1.4	KET12	13R
		00209	520HF	0.5 21	VOL	ETL+ 2.0	KET12	13R
		00209	520HF	0.5 21	ID 33	ETL+ 2.0	KET12	13R
		00209	520HF	Cr 0.21	Ax 0.21	ETL+ 2.0	KET12	13R
		00209	520HF	0.5 16	VOL	ETL+ 5.0	KET12	13R
		00209	520HF	0.5 16	ID 22	ETL+ 5.0	KET12	13R
		00209	520HF	Cr 0.21	Ax 0.11	ETL+ 5.0	KET12	13R
64	85	00211	520HF	0.4 39	VOL	ETL+ 0.3	KET06	13R
		00211	520HF	0.4 39	NT 73	ETL+ 0.3	KET06	13R
		00211	520HF	Cr 0.16	Ax 0.10	ETL+ 0.3	KET06	13R

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OTSG-A
OUTAGE 13R
KINETIC EXPANSION INDICATIONS

Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00211	520HF	0.6 21	VOL	ETL+ 1.8	KET06	13R
		00211	520HF	0.6 21	ID 37	ETL+ 1.8	KET06	13R
		00211	520HF	Cr 0.16	Ax 0.20	ETL+ 1.8	KET06	13R
		00211	520HF	0.3 31	ID 56	ETL+ 2.9	KET06	13R
		00211	520HF	0.3 31	VOL	ETL+ 2.9	KET06	13R
		00211	520HF	Cr 0.16	Ax 0.15	ETL+ 2.9	KET06	13R
64	95	00211	520HF	Cr 0.20	Ax 0.15	ETL+ 2.1	KET12	13R
		00211	520HF	0.4 27	VOL	ETL+ 2.1	KET12	13R
		00211	520HF	0.4 27	ID 48	ETL+ 2.1	KET12	13R
		00211	520HF	0.6 29	ID 52	ETL+ 2.9	KET12	13R
		00211	520HF	Cr 0.15	Ax 0.10	ETL+ 2.9	KET12	13R
		00211	520HF	0.6 29	VOL	ETL+ 2.9	KET12	13R
66	31	00101	520HF	0.4 23	ID 38	ETL+ 1.9	KET12	13R
		00101	520HF	Cr 0.20	Ax 0.16	ETL+ 1.9	KET12	13R
		00101	520HF	0.4 23	VOL	ETL+ 1.9	KET12	13R
		00101	520HF	0.2 37	ARC	ETL+ 4.6	KET12	13R
		00101	520HF	1.5 35	NT 78	ETL+ 4.6	KET12	13R
		00101	520HF	1.5 35	SCI	ETL+ 4.6	KET12	13R
66	65	00049	520HF	Cr 0.09	Ax 0.11	ETL+ 3.8	KET12	13R
		00049	520HF	0.2 30	ID 66	ETL+ 3.8	KET12	13R
		00049	520HF	0.2 30	VOL	ETL+ 3.8	KET12	13R
66	79	00211	520HF	Cr 0.15	Ax 0.10	ETL+ 2.5	KET12	13R
		00211	520HF	0.4 23	ID 41	ETL+ 2.5	KET12	13R
		00211	520HF	0.4 23	VOL	ETL+ 2.5	KET12	13R
66	80	00209	520HF	0.6 9	ID 9	ETL+ 1.1	KET12	13R
		00209	520HF	Cr 0.15	Ax 0.16	ETL+ 1.1	KET12	13R
		00209	520HF	0.6 9	VOL	ETL+ 1.1	KET12	13R
		00209	520HF	0.2 14	ID 18	ETL+ 1.8	KET12	13R
		00209	520HF	0.2 14	VOL	ETL+ 1.8	KET12	13R
		00209	520HF	Cr 0.15	Ax 0.16	ETL+ 1.8	KET12	13R
66	81	00211	520HF	0.5 25	VOL	ETL+ 1.6	KET12	13R
		00211	520HF	Cr 0.20	Ax 0.21	ETL+ 1.6	KET12	13R
		00211	520HF	0.5 25	ID 44	ETL+ 1.6	KET12	13R
66	88	00209	520HF	0.7 5	VOL	ETL+ 3.1	KET06	13R
		00209	520HF	Cr 0.16	Ax 0.16	ETL+ 3.1	KET06	13R
		00209	520HF	0.7 5	ID 4	ETL+ 3.1	KET06	13R
66	90	00209	520HF	Cr 0.21	Ax 0.21	ETL+ 1.8	KET06	13R
		00209	520HF	0.4 20	VOL	ETL+ 1.8	KET06	13R
		00209	520HF	0.4 20	ID 31	ETL+ 1.8	KET06	13R
66	127	00239	520HF	Cr 0.15	Ax 0.10	ETL+ 2.5	KET03	13R
		00239	520HF	0.9 21	VOL	ETL+ 2.5	KET03	13R
		00239	520HF	0.9 21	ID 32	ETL+ 2.5	KET03	13R
68	85	00209	520HF	1.9 38	NT 91	ETL+ 2.0	KET03	13R
		00209	520HF	0.3 49	ARC	ETL+ 2.0	KET03	13R
		00209	520HF	1.9 38	SCI	ETL+ 2.0	KET03	13R
		00209	520HF	1.0 25	ID 44	ETL+ 2.7	KET03	13R
		00209	520HF	1.0 25	VOL	ETL+ 2.7	KET03	13R
		00209	520HF	Cr 0.21	Ax 0.21	ETL+ 2.7	KET03	13R
		00209	520HF	Cr 0.21	Ax 0.16	ETL+ 3.4	KET03	13R
		00209	520HF	1.6 18	ID 26	ETL+ 3.4	KET03	13R

THREE MILE ISLAND UNIT 1
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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00209	520HF	1.6 18	VOL	ETL+ 3.4	KET03	13R
		00209	520HF	1.0 11	ID 12	ETL+ 3.7	KET03	13R
		00209	520HF	1.0 11	VOL	ETL+ 3.7	KET03	13R
		00209	520HF	Cr 0.21	Ax 0.11	ETL+ 3.7	KET03	13R
		00209	520HF	0.6 17	VOL	ETL+ 4.6	KET03	13R
		00209	520HF	0.6 17	ID 24	ETL+ 4.6	KET03	13R
		00209	520HF	Cr 0.16	Ax 0.16	ETL+ 4.6	KET03	13R
68	124	00239	520HF	Cr 0.21	Ax 0.16	ETL+ 1.3	KET03	13R
		00239	520HF	0.2 23	ID 39	ETL+ 1.3	KET03	13R
		00239	520HF	0.2 23	VOL	ETL+ 1.3	KET03	13R
69	16	00101	520HF	Cr 0.15	Ax 0.10	ETL+ 2.1	KET12	13R
		00101	520HF	0.3 10	ID 10	ETL+ 2.1	KET12	13R
		00101	520HF	0.3 10	VOL	ETL+ 2.1	KET12	13R
69	19	00099	520HF	Cr 0.20	Ax 0.17	ETL+ 1.9	KET12	13R
		00099	520HF	0.6 27	ID 50	ETL+ 1.9	KET12	13R
		00099	520HF	0.6 27	VOL	ETL+ 1.9	KET12	13R
69	25	00099	520HF	Cr 0.10	Ax 0.16	ETL+ 1.7	KET12	13R
		00099	520HF	0.4 16	VOL	ETL+ 1.7	KET12	13R
		00099	520HF	0.4 16	ID 21	ETL+ 1.7	KET12	13R
		00099	520HF	Cr 0.15	Ax 0.16	ETL+ 2.2	KET12	13R
		00099	520HF	0.3 29	VOL	ETL+ 2.2	KET12	13R
		00099	520HF	0.3 29	ID 57	ETL+ 2.2	KET12	13R
		00099	520HF	0.3 19	ID 28	ETL+ 3.2	KET12	13R
		00099	520HF	0.3 19	VOL	ETL+ 3.2	KET12	13R
		00099	520HF	Cr 0.15	Ax 0.16	ETL+ 3.2	KET12	13R
69	45	00251	520HF	0.1 15	VOL	ETL+ 2.3	KET12	13R
		00251	520HF	0.1 15	ID 20	ETL+ 2.3	KET12	13R
		00251	520HF	Cr 0.10	Ax 0.10	ETL+ 2.3	KET12	13R
69	50	00255	520HF	Cr 0.19	Ax 0.22	ETL+ 1.5	KET06	13R
		00255	520HF	0.4 19	ID 28	ETL+ 1.5	KET06	13R
		00255	520HF	0.4 19	VOL	ETL+ 1.5	KET06	13R
		00255	520HF	Cr 0.19	Ax 0.24	ETL+ 3.2	KET06	13R
		00255	520HF	0.7 16	ID 22	ETL+ 3.2	KET06	13R
		00255	520HF	0.7 16	VOL	ETL+ 3.2	KET06	13R
		00255	520HF	0.4 27	VOL	ETL+ 4.9	KET06	13R
		00255	520HF	Cr 0.16	Ax 0.19	ETL+ 4.9	KET06	13R
		00255	520HF	0.4 27	ID 51	ETL+ 4.9	KET06	13R
69	59	00047	520HF	0.4 23	VOL	ETL+ 3.4	KET12	13R
		00047	520HF	0.4 23	ID 35	ETL+ 3.4	KET12	13R
		00047	520HF	Cr 0.23	Ax 0.18	ETL+ 3.4	KET12	13R
69	63	00047	520HF	0.2 7	ID 4	ETL+ 1.7	KET12	13R
		00047	520HF	Cr 0.14	Ax 0.12	ETL+ 1.7	KET12	13R
		00047	520HF	0.2 7	VOL	ETL+ 1.7	KET12	13R
69	87	00211	520HF	Cr 0.21	Ax 0.20	ETL+ 2.4	KET06	13R
		00211	520HF	0.4 18	ID 31	ETL+ 2.4	KET06	13R
		00211	520HF	0.4 18	VOL	ETL+ 2.4	KET06	13R
71	30	00101	520HF	Cr 0.15	Ax 0.10	ETL+ 1.7	KET12	13R
		00101	520HF	0.3 16	ID 21	ETL+ 1.7	KET12	13R
		00101	520HF	0.3 16	VOL	ETL+ 1.7	KET12	13R
71	43	00247	520HF	0.3 18	ID 26	ETL+ 0.1	KET03	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00247	520HF	Cr 0.10	Ax 0.15	ETL+ 0.1	KET03	13R
		00247	520HF	0.3 18	VOL	ETL+ 0.1	KET03	13R
		00247	520HF	Cr 0.18	Ax 0.15	ETL+ 1.7	KET03	13R
		00247	520HF	0.4 17	VOL	ETL+ 1.7	KET03	13R
		00247	520HF	0.4 17	ID 24	ETL+ 1.7	KET03	13R
		00247	520HF	Cr 0.15	Ax 0.20	ETL+ 3.3	KET03	13R
		00247	520HF	0.4 21	ID 33	ETL+ 3.3	KET03	13R
		00247	520HF	0.4 21	VOL	ETL+ 3.3	KET03	13R
71	51	00247	520HF	0.7 24	ID 41	ETL+ 3.0	KET12	13R
		00247	520HF	Cr 0.15	Ax 0.15	ETL+ 3.0	KET12	13R
		00247	520HF	0.7 24	VOL	ETL+ 3.0	KET12	13R
72	31	00247	520HF	Cr 0.16	Ax 0.10	ETL+ 0.4	KET03	13R
		00247	520HF	0.3 30	ID 60	ETL+ 0.4	KET03	13R
		00247	520HF	0.3 30	VOL	ETL+ 0.4	KET03	13R
		00247	520HF	0.8 25	VOL	ETL+ 1.1	KET03	13R
		00247	520HF	0.8 25	ID 44	ETL+ 1.1	KET03	13R
		00247	520HF	Cr 0.10	Ax 0.20	ETL+ 1.1	KET03	13R
72	57	00049	520HF	0.2 13	ID 14	ETL+ 0.8	KET03	13R
		00049	520HF	Cr 0.18	Ax 0.12	ETL+ 0.8	KET03	13R
		00049	520HF	0.2 13	VOL	ETL+ 0.8	KET03	13R
		00049	520HF	Cr 0.14	Ax 0.12	ETL+ 1.7	KET03	13R
		00049	520HF	0.4 18	ID 26	ETL+ 1.7	KET03	13R
		00049	520HF	0.4 18	VOL	ETL+ 1.7	KET03	13R
		00049	520HF	0.9 24	ID 43	ETL+ 3.3	KET03	13R
		00049	520HF	Cr 0.27	Ax 0.17	ETL+ 3.3	KET03	13R
		00049	520HF	0.9 24	VOL	ETL+ 3.3	KET03	13R
		00049	520HF	Cr 0.18	Ax 0.12	ETL+ 3.8	KET03	13R
		00049	520HF	0.3 11	ID 11	ETL+ 3.8	KET03	13R
		00049	520HF	0.3 11	VOL	ETL+ 3.8	KET03	13R
73	23	00101	520HF	0.3 16	ID 21	ETL+ 1.9	KET12	13R
		00101	520HF	Cr 0.20	Ax 0.10	ETL+ 1.9	KET12	13R
		00101	520HF	0.3 16	VOL	ETL+ 1.9	KET12	13R
73	26	00099	520HF	0.2 26	VOL	ETL+ 1.0	KET06	13R
		00099	520HF	0.2 26	ID 47	ETL+ 1.0	KET06	13R
		00099	520HF	Cr 0.15	Ax 0.11	ETL+ 1.0	KET06	13R
		00099	520HF	0.3 12	VOL	ETL+ 2.0	KET06	13R
		00099	520HF	Cr 0.20	Ax 0.17	ETL+ 2.0	KET06	13R
		00099	520HF	0.3 12	ID 14	ETL+ 2.0	KET06	13R
		00099	520HF	Cr 0.15	Ax 0.11	ETL+ 4.5	KET06	13R
		00099	520HF	0.3 16	VOL	ETL+ 4.5	KET06	13R
		00099	520HF	0.3 16	ID 21	ETL+ 4.5	KET06	13R
		00099	520HF	0.3 23	VOL	ETL+ 5.1	KET06	13R
		00099	520HF	Cr 0.15	Ax 0.17	ETL+ 5.1	KET06	13R
		00099	520HF	0.3 23	ID 38	ETL+ 5.1	KET06	13R
73	31	00101	520HF	Cr 0.20	Ax 0.16	ETL+ 2.7	KET06	13R
		00101	520HF	1.1 25	ID 43	ETL+ 2.7	KET06	13R
		00101	520HF	1.1 25	VOL	ETL+ 2.7	KET06	13R
		00101	520HF	1.9 28	ID 53	ETL+ 4.8	KET06	13R
		00101	520HF	1.9 28	SCI	ETL+ 4.8	KET06	13R
		00101	520HF	0.3 46	ARC	ETL+ 4.8	KET06	13R

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KINETIC EXPANSION INDICATIONS

Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
73	32	00099	520HF	Cr 0.15	Ax 0.11	ETL+ 1.2	KET06	13R
		00099	520HF	0.2 33	VOL	ETL+ 1.2	KET06	13R
		00099	520HF	0.2 33	ID 71	ETL+ 1.2	KET06	13R
73	35	00099	520HF	0.2 16	VOL	ETL+ 1.9	KET12	13R
		00099	520HF	Cr 0.15	Ax 0.16	ETL+ 1.9	KET12	13R
		00099	520HF	0.2 16	ID 21	ETL+ 1.9	KET12	13R
		00099	520HF	Cr 0.20	Ax 0.16	ETL+ 3.2	KET12	13R
		00099	520HF	0.9 21	VOL	ETL+ 3.2	KET12	13R
		00099	520HF	0.9 21	ID 33	ETL+ 3.2	KET12	13R
		00099	520HF	0.3 14	VOL	ETL+ 4.5	KET12	13R
		00099	520HF	0.3 14	ID 17	ETL+ 4.5	KET12	13R
		00099	520HF	Cr 0.15	Ax 0.22	ETL+ 4.5	KET12	13R
73	37	00099	520HF	0.2 18	VOL	ETL+ 1.9	KET12	13R
		00099	520HF	Cr 0.15	Ax 0.11	ETL+ 1.9	KET12	13R
		00099	520HF	0.2 18	ID 26	ETL+ 1.9	KET12	13R
73	45	00247	520HF	Cr 0.16	Ax 0.15	ETL+ 2.3	KET12	13R
		00247	520HF	0.8 23	ID 38	ETL+ 2.3	KET12	13R
		00247	520HF	0.8 23	VOL	ETL+ 2.3	KET12	13R
		00247	520HF	Cr 0.16	Ax 0.15	ETL+ 3.8	KET12	13R
		00247	520HF	0.3 26	ID 47	ETL+ 3.8	KET12	13R
		00247	520HF	0.3 26	VOL	ETL+ 3.8	KET12	13R
		00247	520HF	Cr 0.16	Ax 0.15	ETL+ 4.4	KET12	13R
		00247	520HF	0.5 21	ID 33	ETL+ 4.4	KET12	13R
		00247	520HF	0.5 21	VOL	ETL+ 4.4	KET12	13R
		00247	520HF	0.4 28	ID 53	ETL+ 4.8	KET12	13R
		00247	520HF	0.4 28	VOL	ETL+ 4.8	KET12	13R
		00247	520HF	Cr 0.10	Ax 0.10	ETL+ 4.8	KET12	13R
		00247	520HF	0.3 28	VOL	ETL+ 5.2	KET12	13R
		00247	520HF	Cr 0.16	Ax 0.10	ETL+ 5.2	KET12	13R
		00247	520HF	0.3 28	ID 53	ETL+ 5.2	KET12	13R
73	51	00247	520HF	0.5 29	ID 57	ETL+ 1.0	KET12	13R
		00247	520HF	0.5 29	VOL	ETL+ 1.0	KET12	13R
		00247	520HF	Cr 0.16	Ax 0.15	ETL+ 1.0	KET12	13R
		00247	520HF	Cr 0.16	Ax 0.15	ETL+ 2.3	KET12	13R
		00247	520HF	0.6 25	ID 44	ETL+ 2.3	KET12	13R
		00247	520HF	0.6 25	VOL	ETL+ 2.3	KET12	13R
		00247	520HF	0.3 25	VOL	ETL+ 3.6	KET12	13R
		00247	520HF	0.3 25	ID 44	ETL+ 3.6	KET12	13R
		00247	520HF	Cr 0.16	Ax 0.15	ETL+ 3.6	KET12	13R
73	53	00247	520HF	0.3 21	ID 33	ETL+ 2.0	KET06	13R
		00247	520HF	0.3 21	VOL	ETL+ 2.0	KET06	13R
		00247	520HF	Cr 0.16	Ax 0.15	ETL+ 2.0	KET06	13R
		00247	520HF	0.2 23	VOL	ETL+ 2.2	KET06	13R
		00247	520HF	0.2 23	ID 38	ETL+ 2.2	KET06	13R
		00247	520HF	Cr 0.10	Ax 0.15	ETL+ 2.2	KET06	13R
		00247	520HF	0.5 19	ID 28	ETL+ 3.6	KET06	13R
		00247	520HF	0.5 19	VOL	ETL+ 3.6	KET06	13R
		00247	520HF	Cr 0.10	Ax 0.15	ETL+ 3.6	KET06	13R
		00247	520HF	Cr 0.10	Ax 0.15	ETL+ 4.6	KET06	13R
		00247	520HF	0.3 35	VOL	ETL+ 4.6	KET06	13R

THREE MILE ISLAND UNIT 1
OTSG-A
OUTAGE 13R
KINETIC EXPANSION INDICATIONS

Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00247	520HF	0.3 35	NT 78	ETL+ 4.6	KET06	13R
73	66	00047	520HF	Cr 0.18	Ax 0.12	ETL+ 0.7	KET12	13R
		00047	520HF	0.5 26	ID 45	ETL+ 0.7	KET12	13R
		00047	520HF	0.5 26	VOL	ETL+ 0.7	KET12	13R
73	68	00111	520HF	0.5 84	PID	ETL+ 1.5	SPEC-INT	13R
73	71	00047	520HF	0.2 24	VOL	ETL+ 0.5	KET03	13R
		00047	520HF	0.2 24	ID 38	ETL+ 0.5	KET03	13R
		00047	520HF	Cr 0.13	Ax 0.12	ETL+ 0.5	KET03	13R
		00047	520HF	Cr 0.18	Ax 0.19	ETL+ 1.0	KET03	13R
		00047	520HF	0.3 17	ID 20	ETL+ 1.0	KET03	13R
		00047	520HF	0.3 17	VOL	ETL+ 1.0	KET03	13R
		00047	520HF	0.2 3	VOL	ETL+ 2.4	KET03	13R
		00047	520HF	0.2 3	0	ETL+ 2.4	KET03	13R
		00047	520HF	Cr 0.18	Ax 0.19	ETL+ 2.4	KET03	13R
		00047	520HF	0.4 24	ID 38	ETL+ 4.8	KET03	13R
		00047	520HF	0.4 24	VOL	ETL+ 4.8	KET03	13R
		00047	520HF	Cr 0.22	Ax 0.19	ETL+ 4.8	KET03	13R
73	75	00047	520HF	0.6 20	VOL	ETL+ 2.7	KET12	13R
		00047	520HF	0.6 20	ID 27	ETL+ 2.7	KET12	13R
		00047	520HF	Cr 0.22	Ax 0.19	ETL+ 2.7	KET12	13R
73	79	00221	520HF	0.3 17	ID 24	ETL+ 0.0	KET12	13R
		00221	520HF	Cr 0.10	Ax 0.11	ETL+ 0.0	KET12	13R
		00221	520HF	0.3 17	VOL	ETL+ 0.0	KET12	13R
		00221	520HF	0.4 21	VOL	ETL+ 1.5	KET12	13R
		00221	520HF	Cr 0.16	Ax 0.11	ETL+ 1.5	KET12	13R
		00221	520HF	0.4 21	ID 33	ETL+ 1.5	KET12	13R
		00221	520HF	0.3 25	VOL	ETL+ 1.8	KET12	13R
		00221	520HF	0.3 25	ID 44	ETL+ 1.8	KET12	13R
		00221	520HF	Cr 0.16	Ax 0.11	ETL+ 1.8	KET12	13R
		00221	520HF	Cr 0.19	Ax 0.13	ETL+ 2.2	KET12	13R
		00221	520HF	0.1 27	VOL	ETL+ 2.2	KET12	13R
		00221	520HF	0.1 27	ID 50	ETL+ 2.2	KET12	13R
74	35	00101	520HF	0.5 23	ID 38	ETL+ 0.0	KET03	13R
		00101	520HF	0.5 23	VOL	ETL+ 0.0	KET03	13R
		00101	520HF	Cr 0.15	Ax 0.16	ETL+ 0.0	KET03	13R
		00101	520HF	3.2 34	ID 74	ETL+ 4.0	KET03	13R
		00101	520HF	3.2 34	SCI	ETL+ 4.0	KET03	13R
		00101	520HF	0.3 55	ARC	ETL+ 4.0	KET03	13R
		00245	520HF	0.0 0	PID	ETL+ 4.0	SPEC-INT	13R
74	36	00099	520HF	1.0 28	VOL	ETL+ 0.0	KET03	13R
		00099	520HF	1.0 28	ID 53	ETL+ 0.0	KET03	13R
		00099	520HF	Cr 0.15	Ax 0.17	ETL+ 0.0	KET03	13R
		00099	520HF	0.5 21	VOL	ETL+ 1.7	KET03	13R
		00099	520HF	Cr 0.20	Ax 0.17	ETL+ 1.7	KET03	13R
		00099	520HF	0.5 21	ID 33	ETL+ 1.7	KET03	13R
		00099	520HF	Cr 0.15	Ax 0.11	ETL+ 2.1	KET03	13R
		00099	520HF	0.7 22	VOL	ETL+ 2.1	KET03	13R
		00099	520HF	0.7 22	ID 36	ETL+ 2.1	KET03	13R
		00099	520HF	Cr 0.25	Ax 0.17	ETL+ 2.2	KET03	13R
		00099	520HF	0.7 25	ID 44	ETL+ 2.2	KET03	13R

THREE MILE ISLAND UNIT 1
OTSG-A
OUTAGE 13R
KINETIC EXPANSION INDICATIONS

Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00099	520HF	0.7 25	VOL	ETL+ 2.2	KET03	13R
		00099	520HF	0.8 33	ID 71	ETL+ 3.5	KET03	13R
		00099	520HF	Cr 0.25	Ax 0.17	ETL+ 3.5	KET03	13R
		00099	520HF	0.8 33	VOL	ETL+ 3.5	KET03	13R
74	50	00245	520HF	3.1 38	SCI	ETL+ 1.0	KET03	13R
		00245	520HF	0.2 39	ARC	ETL+ 1.0	KET03	13R
		00245	520HF	3.1 38	NT 91	ETL+ 1.0	KET03	13R
75	37	00099	520HF	0.4 22	ID 36	ETL+ 1.5	KET12	13R
		00099	520HF	0.4 22	VOL	ETL+ 1.5	KET12	13R
		00099	520HF	Cr 0.15	Ax 0.16	ETL+ 1.5	KET12	13R
75	44	00247	520HF	0.6 27	ID 50	ETL+ 0.6	KET12	13R
		00247	520HF	0.6 27	VOL	ETL+ 0.6	KET12	13R
		00247	520HF	Cr 0.10	Ax 0.15	ETL+ 0.6	KET12	13R
		00247	520HF	0.3 11	VOL	ETL+ 0.8	KET12	13R
		00247	520HF	0.3 11	ID 12	ETL+ 0.8	KET12	13R
		00247	520HF	Cr 0.15	Ax 0.15	ETL+ 0.8	KET12	13R
		00247	520HF	Cr 0.15	Ax 0.15	ETL+ 3.2	KET12	13R
		00247	520HF	0.8 29	ID 57	ETL+ 3.2	KET12	13R
		00247	520HF	0.8 29	VOL	ETL+ 3.2	KET12	13R
		00247	520HF	1.0 23	VOL	ETL+ 4.3	KET12	13R
		00247	520HF	Cr 0.15	Ax 0.15	ETL+ 4.3	KET12	13R
		00247	520HF	1.0 23	ID 38	ETL+ 4.3	KET12	13R
75	54	00247	520HF	Cr 0.10	Ax 0.15	ETL+ 0.9	KET12	13R
		00247	520HF	0.7 22	VOL	ETL+ 0.9	KET12	13R
		00247	520HF	0.7 22	ID 36	ETL+ 0.9	KET12	13R
		00247	520HF	0.5 22	VOL	ETL+ 1.5	KET12	13R
		00247	520HF	Cr 0.10	Ax 0.15	ETL+ 1.5	KET12	13R
		00247	520HF	0.5 22	ID 36	ETL+ 1.5	KET12	13R
75	55	00245	520HF	0.2 18	ID 27	ETL+ 0.5	KET12	13R
		00245	520HF	Cr 0.16	Ax 0.11	ETL+ 0.5	KET12	13R
		00245	520HF	0.2 18	VOL	ETL+ 0.5	KET12	13R
		00245	520HF	0.2 11	VOL	ETL+ 1.6	KET12	13R
		00245	520HF	0.2 11	ID 13	ETL+ 1.6	KET12	13R
		00245	520HF	Cr 0.10	Ax 0.11	ETL+ 1.6	KET12	13R
75	60	00047	520HF	Cr 0.18	Ax 0.19	ETL+ 0.4	KET12	13R
		00047	520HF	0.6 24	ID 38	ETL+ 0.4	KET12	13R
		00047	520HF	0.6 24	VOL	ETL+ 0.4	KET12	13R
		00047	520HF	Cr 0.18	Ax 0.19	ETL+ 2.3	KET12	13R
		00047	520HF	0.7 19	ID 25	ETL+ 2.3	KET12	13R
		00047	520HF	0.7 19	VOL	ETL+ 2.3	KET12	13R
75	75	00221	520HF	0.3 14	ID 17	ETL+ 2.5	KET12	13R
		00221	520HF	Cr 0.16	Ax 0.16	ETL+ 2.5	KET12	13R
		00221	520HF	0.3 14	VOL	ETL+ 2.5	KET12	13R
75	77	00221	520HF	0.8 26	SCI	ETL+ 2.4	KET12	13R
		00221	520HF	0.2 30	ARC	ETL+ 2.4	KET12	13R
		00221	520HF	0.8 26	ID 47	ETL+ 2.4	KET12	13R
		00221	520HF	0.3 29	VOL	ETL+ 2.9	KET12	13R
		00221	520HF	0.3 29	ID 57	ETL+ 2.9	KET12	13R
		00221	520HF	Cr 0.16	Ax 0.16	ETL+ 2.9	KET12	13R
75	124	00301	520HF	Cr 0.08	Ax 0.12	ETL+ 0.1	KET22	13R

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KINETIC EXPANSION INDICATIONS

Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00301	520HF	0.6 21	ID 33	ETL+ 0.1	KET22	13R
		00301	520HF	0.6 21	VOL	ETL+ 0.1	KET22	13R
77	50	00225	520HF	0.9 28	ID 52	ETL+ 0.1	KET03	13R
		00225	520HF	0.9 28	SCI	ETL+ 0.1	KET03	13R
		00225	520HF	0.2 32	ARC	ETL+ 0.1	KET03	13R
77	54	00225	520HF	1.0 29	ID 55	ETL+ 0.4	SPEC-INT	13R
		00225	520HF	1.0 29	VOL	ETL+ 0.4	SPEC-INT	13R
		00225	520HF	Cr 0.23	Ax 0.23	ETL+ 0.4	SPEC-INT	13R
		00225	520HF	0.4 30	VOL	ETL+ 1.1	KET03	13R
		00225	520HF	0.4 30	ID 59	ETL+ 1.1	KET03	13R
		00225	520HF	Cr 0.20	Ax 0.18	ETL+ 1.1	KET03	13R
		00225	520HF	Cr 0.20	Ax 0.20	ETL+ 1.8	KET03	13R
		00225	520HF	0.4 9	ID 8	ETL+ 1.8	KET03	13R
		00225	520HF	0.4 9	VOL	ETL+ 1.8	KET03	13R
		00225	520HF	1.8 33	ID 70	ETL+ 2.5	KET03	13R
		00225	520HF	1.8 33	VOL	ETL+ 2.5	KET03	13R
		00225	520HF	Cr 0.23	Ax 0.15	ETL+ 2.5	KET03	13R
77	56	00225	520HF	0.3 23	ID 36	ETL+ 0.5	KET03	13R
		00225	520HF	0.3 23	VOL	ETL+ 0.5	KET03	13R
		00225	520HF	Cr 0.18	Ax 0.15	ETL+ 0.5	KET03	13R
		00225	520HF	0.4 14	VOL	ETL+ 4.2	KET03	13R
		00225	520HF	Cr 0.18	Ax 0.13	ETL+ 4.2	KET03	13R
		00225	520HF	0.4 14	ID 16	ETL+ 4.2	KET03	13R
77	73	00159	520HF	Cr 0.16	Ax 0.18	ETL+ 0.3	KET03	13R
		00159	520HF	0.2 17	VOL	ETL+ 0.3	KET03	13R
		00159	520HF	0.2 17	ID 22	ETL+ 0.3	KET03	13R
		00159	520HF	Cr 0.27	Ax 0.22	ETL+ 0.7	KET03	13R
		00159	520HF	1.3 35	NT 78	ETL+ 0.7	KET03	13R
		00159	520HF	1.3 35	VOL	ETL+ 0.7	KET03	13R
		00159	520HF	Cr 0.16	Ax 0.13	ETL+ 1.1	KET03	13R
		00159	520HF	0.2 19	VOL	ETL+ 1.1	KET03	13R
		00159	520HF	0.2 19	ID 26	ETL+ 1.1	KET03	13R
		00159	520HF	0.7 29	VOL	ETL+ 1.5	KET03	13R
		00159	520HF	0.7 29	ID 55	ETL+ 1.5	KET03	13R
		00159	520HF	Cr 0.16	Ax 0.22	ETL+ 1.5	KET03	13R
		00159	520HF	0.5 20	VOL	ETL+ 4.1	KET03	13R
		00159	520HF	0.5 20	ID 29	ETL+ 4.1	KET03	13R
		00159	520HF	Cr 0.32	Ax 0.18	ETL+ 4.1	KET03	13R
		00159	520HF	0.3 17	ID 22	ETL+ 6.1	KET03	13R
		00159	520HF	0.3 17	VOL	ETL+ 6.1	KET03	13R
		00159	520HF	Cr 0.21	Ax 0.13	ETL+ 6.1	KET03	13R
78	33	00227	520HF	2.2 34	ID 76	ETL+ 2.7	KET12	13R
		00227	520HF	Cr 0.32	Ax 0.17	ETL+ 2.7	KET12	13R
		00227	520HF	2.2 34	VOL	ETL+ 2.7	KET12	13R
		00227	520HF	0.4 19	ID 30	ETL+ 3.8	KET12	13R
		00227	520HF	Cr 0.19	Ax 0.12	ETL+ 3.8	KET12	13R
		00227	520HF	0.4 19	VOL	ETL+ 3.8	KET12	13R
		00227	520HF	0.2 9	VOL	ETL+ 4.3	KET12	13R
		00227	520HF	Cr 0.13	Ax 0.12	ETL+ 4.3	KET12	13R
		00227	520HF	0.2 9	ID 10	ETL+ 4.3	KET12	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00227	520HF	0.2 9	ID 10	ETL+ 4.6	KET12	13R
		00227	520HF	0.2 9	VOL	ETL+ 4.6	KET12	13R
		00227	520HF	Cr 0.13	Ax 0.08	ETL+ 4.6	KET12	13R
		00227	520HF	0.8 21	VOL	ETL+ 5.1	KET12	13R
		00227	520HF	Cr 0.19	Ax 0.12	ETL+ 5.1	KET12	13R
		00227	520HF	0.8 21	ID 35	ETL+ 5.1	KET12	13R
78	40	00225	520HF	0.4 16	ID 19	ETL+ 1.0	KET12	13R
		00225	520HF	0.4 16	VOL	ETL+ 1.0	KET12	13R
		00225	520HF	Cr 0.19	Ax 0.24	ETL+ 1.0	KET12	13R
		00225	520HF	0.9 24	ID 39	ETL+ 3.1	KET12	13R
		00225	520HF	0.9 24	VOL	ETL+ 3.1	KET12	13R
		00225	520HF	Cr 0.25	Ax 0.24	ETL+ 3.1	KET12	13R
78	44	00225	520HF	0.6 22	ID 34	ETL+ 3.2	KET12	13R
		00225	520HF	0.6 22	VOL	ETL+ 3.2	KET12	13R
		00225	520HF	Cr 0.17	Ax 0.21	ETL+ 3.2	KET12	13R
78	45	00227	520HF	0.2 22	ID 37	ETL+ 0.4	KET12	13R
		00227	520HF	0.2 22	VOL	ETL+ 0.4	KET12	13R
		00227	520HF	Cr 0.13	Ax 0.08	ETL+ 0.4	KET12	13R
78	46	00225	520HF	Cr 0.25	Ax 0.17	ETL+ 0.5	KET12	13R
		00225	520HF	0.4 22	VOL	ETL+ 0.5	KET12	13R
		00225	520HF	0.4 22	ID 34	ETL+ 0.5	KET12	13R
		00225	520HF	0.9 24	ID 39	ETL+ 1.0	KET12	13R
		00225	520HF	Cr 0.22	Ax 0.21	ETL+ 1.0	KET12	13R
		00225	520HF	0.9 24	VOL	ETL+ 1.0	KET12	13R
		00225	520HF	0.3 17	VOL	ETL+ 2.0	KET12	13R
		00225	520HF	Cr 0.22	Ax 0.17	ETL+ 2.0	KET12	13R
		00225	520HF	0.3 17	ID 22	ETL+ 2.0	KET12	13R
		00225	520HF	0.3 9	VOL	ETL+ 3.3	KET12	13R
		00225	520HF	0.3 9	ID 8	ETL+ 3.3	KET12	13R
		00225	520HF	Cr 0.12	Ax 0.14	ETL+ 3.3	KET12	13R
		00225	520HF	0.4 18	VOL	ETL+ 5.3	KET12	13R
		00225	520HF	0.4 18	ID 24	ETL+ 5.3	KET12	13R
		00225	520HF	Cr 0.22	Ax 0.14	ETL+ 5.3	KET12	13R
78	49	00227	520HF	Cr 0.18	Ax 0.09	ETL+ 0.6	KET12	13R
		00227	520HF	0.5 12	ID 15	ETL+ 0.6	KET12	13R
		00227	520HF	0.5 12	VOL	ETL+ 0.6	KET12	13R
		00227	520HF	0.6 22	ID 37	ETL+ 0.9	KET12	13R
		00227	520HF	0.6 22	VOL	ETL+ 0.9	KET12	13R
		00227	520HF	Cr 0.18	Ax 0.13	ETL+ 0.9	KET12	13R
		00227	520HF	0.5 26	ID 49	ETL+ 1.1	KET12	13R
		00227	520HF	Cr 0.12	Ax 0.09	ETL+ 1.1	KET12	13R
		00227	520HF	0.5 26	VOL	ETL+ 1.1	KET12	13R
		00227	520HF	0.5 24	VOL	ETL+ 1.4	KET12	13R
		00227	520HF	Cr 0.18	Ax 0.13	ETL+ 1.4	KET12	13R
		00227	520HF	0.5 24	ID 43	ETL+ 1.4	KET12	13R
78	50	00398	520HF	0.3 20	PID	ETL+ 1.3	KET12	13R
		00225	520HF	Cr 0.20	Ax 0.21	ETL+ 1.3	KET12	13R
		00225	520HF	0.2 9	ID 8	ETL+ 1.3	KET12	13R
		00225	520HF	0.2 9	VOL	ETL+ 1.3	KET12	13R
		00225	520HF	Cr 0.23	Ax 0.18	ETL+ 2.0	KET12	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00225	520HF	0.4 17	VOL	ETL+ 2.0	KET12	13R
		00225	520HF	0.4 17	ID 22	ETL+ 2.0	KET12	13R
		00225	520HF	0.3 21	ID 31	ETL+ 3.1	KET12	13R
		00225	520HF	Cr 0.28	Ax 0.16	ETL+ 3.1	KET12	13R
		00225	520HF	0.3 21	VOL	ETL+ 3.1	KET12	13R
		00225	520HF	0.5 14	ID 16	ETL+ 3.3	KET12	13R
		00225	520HF	0.5 14	VOL	ETL+ 3.3	KET12	13R
		00225	520HF	Cr 0.20	Ax 0.13	ETL+ 3.3	KET12	13R
		00225	520HF	0.3 16	ID 19	ETL+ 4.1	KET12	13R
		00225	520HF	0.3 16	VOL	ETL+ 4.1	KET12	13R
		00225	520HF	Cr 0.26	Ax 0.16	ETL+ 4.1	KET12	13R
		00225	520HF	Cr 0.26	Ax 0.16	ETL+ 4.2	KET12	13R
		00225	520HF	0.3 26	VOL	ETL+ 4.2	KET12	13R
		00225	520HF	0.3 26	ID 45	ETL+ 4.2	KET12	13R
78	58	00049	520HF	Cr 0.14	Ax 0.11	ETL+ 1.3	KET12	13R
		00049	520HF	0.4 8	ID 6	ETL+ 1.3	KET12	13R
		00049	520HF	0.4 8	VOL	ETL+ 1.3	KET12	13R
		00049	520HF	Cr 0.14	Ax 0.06	ETL+ 5.0	KET12	13R
		00049	520HF	0.5 21	ID 34	ETL+ 5.0	KET12	13R
		00049	520HF	0.5 21	VOL	ETL+ 5.0	KET12	13R
78	61	00111	520HF	0.3 7	VOL	ETL+ 0.2	KET12	13R
		00111	520HF	Cr 0.15	Ax 0.11	ETL+ 0.2	KET12	13R
		00111	520HF	0.3 7	ID 7	ETL+ 0.2	KET12	13R
		00111	520HF	0.2 8	VOL	ETL+ 0.3	KET12	13R
		00111	520HF	Cr 0.15	Ax 0.11	ETL+ 0.3	KET12	13R
		00111	520HF	0.2 8	ID 9	ETL+ 0.3	KET12	13R
		00111	520HF	0.4 15	ID 21	ETL+ 0.7	KET12	13R
		00111	520HF	0.2 17	ID 25	ETL+ 1.9	KET12	13R
		00111	520HF	0.2 17	VOL	ETL+ 1.9	KET12	13R
		00111	520HF	Cr 0.15	Ax 0.11	ETL+ 1.9	KET12	13R
		00111	520HF	0.2 5	ID 5	ETL+ 2.9	KET12	13R
		00111	520HF	Cr 0.10	Ax 0.11	ETL+ 2.9	KET12	13R
		00111	520HF	0.2 5	VOL	ETL+ 2.9	KET12	13R
		00111	520HF	0.3 18	ID 27	ETL+ 3.5	KET12	13R
		00111	520HF	0.3 18	VOL	ETL+ 3.5	KET12	13R
		00111	520HF	Cr 0.10	Ax 0.06	ETL+ 3.5	KET12	13R
		00111	520HF	0.6 21	ID 35	ETL+ 3.8	KET12	13R
		00111	520HF	0.6 21	VOL	ETL+ 3.8	KET12	13R
		00111	520HF	Cr 0.15	Ax 0.11	ETL+ 3.8	KET12	13R
		00111	520HF	0.5 19	ID 30	ETL+ 4.5	KET12	13R
		00111	520HF	Cr 0.15	Ax 0.11	ETL+ 4.5	KET12	13R
		00111	520HF	0.5 19	VOL	ETL+ 4.5	KET12	13R
		00111	520HF	0.1 4	ID 4	ETL+ 5.8	KET12	13R
		00111	520HF	Cr 0.15	Ax 0.17	ETL+ 5.8	KET12	13R
		00111	520HF	1.1 18	VOL	ETL+ 5.8	KET12	13R
		00111	520HF	Cr 0.10	Ax 0.06	ETL+ 6.1	KET12	13R
		00111	520HF	0.5 20	VOL	ETL+ 6.1	KET12	13R
		00111	520HF	0.5 20	ID 32	ETL+ 6.1	KET12	13R
		00111	520HF	0.4 18	ID 27	ETL+ 6.6	KET12	13R
		00111	520HF	0.4 18	VOL	ETL+ 6.6	KET12	13R

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OUTAGE 13R
KINETIC EXPANSION INDICATIONS

Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00111	520HF	Cr 0.10	Ax 0.06	ETL+ 6.6	KET12	13R
		00111	520HF	0.7 23	VOL	ETL+ 6.8	KET12	13R
		00111	520HF	0.7 23	ID 40	ETL+ 6.8	KET12	13R
		00111	520HF	Cr 0.15	Ax 0.11	ETL+ 6.8	KET12	13R
		00111	520HF	Cr 0.15	Ax 0.11	ETL+ 6.9	KET12	13R
		00111	520HF	0.5 20	ID 32	ETL+ 6.9	KET12	13R
		00111	520HF	0.5 20	VOL	ETL+ 6.9	KET12	13R
		00111	520HF	0.8 22	VOL	ETL+ 7.1	KET12	13R
		00111	520HF	0.8 22	ID 37	ETL+ 7.1	KET12	13R
		00111	520HF	Cr 0.20	Ax 0.11	ETL+ 7.1	KET12	13R
		00111	520HF	Cr 0.20	Ax 0.11	ETL+ 7.4	KET12	13R
		00111	520HF	0.4 15	VOL	ETL+ 7.4	KET12	13R
78	88	00161	520HF	0.2 21	ID 35	ETL+ 2.2	KET03	13R
		00161	520HF	0.2 21	VOL	ETL+ 2.2	KET03	13R
		00161	520HF	Cr 0.16	Ax 0.14	ETL+ 2.2	KET03	13R
		00161	520HF	Cr 0.16	Ax 0.14	ETL+ 3.5	KET03	13R
		00161	520HF	0.3 17	ID 25	ETL+ 3.5	KET03	13R
		00161	520HF	0.3 17	VOL	ETL+ 3.5	KET03	13R
78	90	00386	520HF	0.0 0	PRA	ETL+ 0.3	KET12	13R
		00161	520HF	Cr 0.16	Ax 0.14	ETL+ 0.3	KET12	13R
		00161	520HF	0.4 18	VOL	ETL+ 0.3	KET12	13R
		00161	520HF	0.4 18	ID 27	ETL+ 0.3	KET12	13R
		00161	520HF	0.3 192	INR	ETL+ 4.1	KET12	13R
78	93	00159	520HF	0.2 18	ID 24	ETL+ 2.0	KET12	13R
		00159	520HF	0.2 18	VOL	ETL+ 2.0	KET12	13R
		00159	520HF	Cr 0.16	Ax 0.13	ETL+ 2.0	KET12	13R
		00159	520HF	Cr 0.16	Ax 0.18	ETL+ 2.4	KET12	13R
		00159	520HF	0.1 16	ID 19	ETL+ 2.4	KET12	13R
		00159	520HF	0.1 16	VOL	ETL+ 2.4	KET12	13R
		00159	520HF	0.2 24	ID 39	ETL+ 3.2	KET12	13R
		00159	520HF	0.2 24	VOL	ETL+ 3.2	KET12	13R
		00159	520HF	Cr 0.16	Ax 0.18	ETL+ 3.2	KET12	13R
		00159	520HF	Cr 0.16	Ax 0.13	ETL+ 3.3	KET12	13R
		00159	520HF	0.3 20	VOL	ETL+ 3.3	KET12	13R
		00159	520HF	0.3 20	ID 29	ETL+ 3.3	KET12	13R
78	99	00159	520HF	0.4 18	ID 24	ETL+ 0.8	KET12	13R
		00159	520HF	Cr 0.16	Ax 0.13	ETL+ 0.8	KET12	13R
		00159	520HF	0.4 18	VOL	ETL+ 0.8	KET12	13R
79	20	00225	520HF	0.3 29	VOL	ETL+ 2.4	KET03	13R
		00225	520HF	0.3 29	ID 55	ETL+ 2.4	KET03	13R
		00225	520HF	Cr 0.20	Ax 0.23	ETL+ 2.4	KET03	13R
79	59	00050	520HF	Cr 0.10	Ax 0.12	ETL+ 0.4	SPEC-INT	13R
		00050	520HF	0.6 17	ID 24	ETL+ 0.4	SPEC-INT	13R
		00050	520HF	0.6 17	VOL	ETL+ 0.4	SPEC-INT	13R
80	24	00227	520HF	Cr 0.19	Ax 0.17	ETL+ 0.3	KET12	13R
		00227	520HF	0.4 20	ID 32	ETL+ 0.3	KET12	13R
		00227	520HF	0.4 20	VOL	ETL+ 0.3	KET12	13R
80	30	00227	520HF	0.3 21	VOL	ETL+ 1.0	KET12	13R
		00227	520HF	0.3 21	ID 35	ETL+ 1.0	KET12	13R
		00227	520HF	Cr 0.19	Ax 0.13	ETL+ 1.0	KET12	13R

THREE MILE ISLAND UNIT 1
OTSG-A
OUTAGE 13R
KINETIC EXPANSION INDICATIONS

Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00227	520HF	0.2 26	VOL	ETL+ 3.4	KET12	13R
		00227	520HF	0.2 26	ID 49	ETL+ 3.4	KET12	13R
		00227	520HF	Cr 0.12	Ax 0.08	ETL+ 3.4	KET12	13R
		00227	520HF	0.4 26	VOL	ETL+ 3.8	KET12	13R
		00227	520HF	Cr 0.19	Ax 0.21	ETL+ 3.8	KET12	13R
		00227	520HF	0.4 26	ID 49	ETL+ 3.8	KET12	13R
		00227	520HF	0.1 2	ID 2	ETL+ 3.8	KET12	13R
		00227	520HF	Cr 0.19	Ax 0.13	ETL+ 3.8	KET12	13R
		00227	520HF	0.1 2	VOL	ETL+ 3.8	KET12	13R
		00227	520HF	0.0 0	INF	ETL+ 5.0	KET12	13R
		00227	520HF	0.0 0	INF	ETL+ 5.1	KET12	13R
80	33	00225	520HF	0.1 26	VOL	ETL+ 2.4	KET06	13R
		00225	520HF	0.1 26	ID 45	ETL+ 2.4	KET06	13R
		00225	520HF	Cr 0.19	Ax 0.19	ETL+ 2.4	KET06	13R
80	34	00227	520HF	Cr 0.13	Ax 0.12	ETL+ 0.6	KET12	13R
		00227	520HF	0.2 16	ID 23	ETL+ 0.6	KET12	13R
		00227	520HF	0.2 16	VOL	ETL+ 0.6	KET12	13R
		00227	520HF	0.2 23	VOL	ETL+ 1.1	KET12	13R
		00227	520HF	0.2 23	ID 40	ETL+ 1.1	KET12	13R
		00227	520HF	Cr 0.13	Ax 0.12	ETL+ 1.1	KET12	13R
		00227	520HF	0.2 25	ID 46	ETL+ 1.2	KET12	13R
		00227	520HF	Cr 0.19	Ax 0.12	ETL+ 1.2	KET12	13R
		00227	520HF	0.2 25	VOL	ETL+ 1.2	KET12	13R
		00227	520HF	1.7 34	ID 76	ETL+ 4.0	KET12	13R
		00227	520HF	1.7 34	VOL	ETL+ 4.0	KET12	13R
		00227	520HF	Cr 0.25	Ax 0.12	ETL+ 4.0	KET12	13R
80	37	00225	520HF	0.7 23	VOL	ETL+ 1.7	KET12	13R
		00225	520HF	Cr 0.13	Ax 0.14	ETL+ 1.7	KET12	13R
		00225	520HF	0.7 23	ID 36	ETL+ 1.7	KET12	13R
80	44	00398	520HF	0.9 27	PID	ETL+ 0.2	KET06	13R
		00227	520HF	0.3 33	ID 72	ETL+ 0.2	KET06	13R
		00227	520HF	0.3 33	VOL	ETL+ 0.2	KET06	13R
		00227	520HF	Cr 0.19	Ax 0.12	ETL+ 0.2	KET06	13R
		00227	520HF	Cr 0.13	Ax 0.16	ETL+ 1.3	KET06	13R
		00227	520HF	0.1 4	4	ETL+ 1.3	KET06	13R
		00227	520HF	0.1 4	VOL	ETL+ 1.3	KET06	13R
		00227	520HF	0.3 8	VOL	ETL+ 1.4	KET06	13R
		00227	520HF	0.3 8	ID 9	ETL+ 1.4	KET06	13R
		00227	520HF	Cr 0.13	Ax 0.12	ETL+ 1.4	KET06	13R
		00227	520HF	Cr 0.13	Ax 0.08	ETL+ 2.1	KET06	13R
		00227	520HF	0.3 14	ID 19	ETL+ 2.1	KET06	13R
		00227	520HF	0.3 14	VOL	ETL+ 2.1	KET06	13R
		00227	520HF	0.3 13	ID 17	ETL+ 2.2	KET06	13R
		00227	520HF	0.3 13	VOL	ETL+ 2.2	KET06	13R
		00227	520HF	Cr 0.06	Ax 0.08	ETL+ 2.2	KET06	13R
		00227	520HF	0.3 23	ID 40	ETL+ 3.7	KET06	13R
		00227	520HF	0.3 23	VOL	ETL+ 3.7	KET06	13R
		00227	520HF	Cr 0.19	Ax 0.12	ETL+ 3.7	KET06	13R
		00227	520HF	0.3 15	VOL	ETL+ 3.9	KET06	13R
		00227	520HF	0.3 15	ID 21	ETL+ 3.9	KET06	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00227	520HF	Cr 0.19	Ax 0.12	ETL+ 3.9	KET06	13R
		00227	520HF	Cr 0.13	Ax 0.16	ETL+ 4.0	KET06	13R
		00227	520HF	0.2 7	ID 7	ETL+ 4.0	KET06	13R
		00227	520HF	0.2 7	VOL	ETL+ 4.0	KET06	13R
		00227	520HF	0.3 34	ID 76	ETL+ 4.8	KET06	13R
		00227	520HF	0.3 34	VOL	ETL+ 4.8	KET06	13R
		00227	520HF	Cr 0.19	Ax 0.16	ETL+ 4.8	KET06	13R
		00227	520HF	0.2 24	ID 43	ETL+ 5.2	KET06	13R
		00227	520HF	Cr 0.19	Ax 0.16	ETL+ 5.2	KET06	13R
		00227	520HF	0.2 24	VOL	ETL+ 5.2	KET06	13R
80	46	00227	520HF	Cr 0.13	Ax 0.08	ETL+ 0.5	KET12	13R
		00227	520HF	0.1 19	30	ETL+ 0.5	KET12	13R
		00227	520HF	0.1 19	VOL	ETL+ 0.5	KET12	13R
		00227	520HF	0.2 21	ID 35	ETL+ 0.9	KET12	13R
		00227	520HF	Cr 0.19	Ax 0.16	ETL+ 0.9	KET12	13R
		00227	520HF	0.2 21	VOL	ETL+ 0.9	KET12	13R
		00227	520HF	0.2 19	ID 30	ETL+ 2.4	KET12	13R
		00227	520HF	0.2 19	VOL	ETL+ 2.4	KET12	13R
		00227	520HF	Cr 0.13	Ax 0.12	ETL+ 2.4	KET12	13R
80	47	00225	520HF	0.2 19	ID 26	ETL+ 2.9	KET03	13R
		00225	520HF	Cr 0.19	Ax 0.21	ETL+ 2.9	KET03	13R
		00225	520HF	0.2 19	VOL	ETL+ 2.9	KET03	13R
80	51	00225	520HF	0.4 19	ID 26	ETL+ 1.5	KET12	13R
		00225	520HF	0.4 19	VOL	ETL+ 1.5	KET12	13R
		00225	520HF	Cr 0.12	Ax 0.14	ETL+ 1.5	KET12	13R
		00225	520HF	0.3 14	VOL	ETL+ 1.6	KET12	13R
		00225	520HF	0.3 14	ID 16	ETL+ 1.6	KET12	13R
		00225	520HF	Cr 0.12	Ax 0.09	ETL+ 1.6	KET12	13R
		00225	520HF	Cr 0.12	Ax 0.14	ETL+ 3.6	KET12	13R
		00225	520HF	0.4 25	ID 42	ETL+ 3.6	KET12	13R
		00225	520HF	0.4 25	VOL	ETL+ 3.6	KET12	13R
		00225	520HF	0.8 30	SCI	ETL+ 3.8	KET12	13R
		00225	520HF	0.2 90	ARC	ETL+ 3.8	KET12	13R
		00225	520HF	0.8 30	ID 59	ETL+ 3.8	KET12	13R
80	52	00227	520HF	0.1 17	ID 25	ETL+ 0.6	KET12	13R
		00227	520HF	0.1 17	VOL	ETL+ 0.6	KET12	13R
		00227	520HF	Cr 0.12	Ax 0.21	ETL+ 0.6	KET12	13R
		00227	520HF	Cr 0.19	Ax 0.13	ETL+ 1.5	KET12	13R
		00227	520HF	1.0 28	VOL	ETL+ 1.5	KET12	13R
		00227	520HF	1.0 28	ID 55	ETL+ 1.5	KET12	13R
80	56	00111	520HF	Cr 0.10	Ax 0.11	ETL+ 0.9	KET12	13R
		00111	520HF	0.2 29	ID 58	ETL+ 0.9	KET12	13R
		00111	520HF	0.2 29	VOL	ETL+ 0.9	KET12	13R
80	58	00111	520HF	Cr 0.15	Ax 0.11	ETL+ 0.1	KET12	13R
		00111	520HF	1.0 20	ID 32	ETL+ 0.1	KET12	13R
		00111	520HF	1.0 20	VOL	ETL+ 0.1	KET12	13R
		00111	520HF	Cr 0.15	Ax 0.11	ETL+ 1.7	KET12	13R
		00111	520HF	0.4 9	VOL	ETL+ 1.7	KET12	13R
		00111	520HF	0.4 9	ID 10	ETL+ 1.7	KET12	13R
		00111	520HF	0.2 18	VOL	ETL+ 4.3	KET12	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00111	520HF	Cr 0.10	Ax 0.06	ETL+ 4.3	KET12	13R
		00111	520HF	0.2 18	ID 27	ETL+ 4.3	KET12	13R
		00111	520HF	Cr 0.10	Ax 0.06	ETL+ 5.4	KET12	13R
		00111	520HF	0.3 12	VOL	ETL+ 5.4	KET12	13R
		00111	520HF	0.3 12	ID 15	ETL+ 5.4	KET12	13R
80	61	00398	520HF	0.6 19	PID	ETL+ 2.0	KET03	13R
		00111	520HF	Cr 0.22	Ax 0.14	ETL+ 2.0	KET03	13R
		00111	520HF	0.5 21	ID 35	ETL+ 2.0	KET03	13R
		00111	520HF	0.5 21	VOL	ETL+ 2.0	KET03	13R
		00111	520HF	0.5 17	ID 25	ETL+ 2.2	KET03	13R
		00111	520HF	0.5 17	VOL	ETL+ 2.2	KET03	13R
		00111	520HF	Cr 0.15	Ax 0.11	ETL+ 2.2	KET03	13R
		00111	520HF	Cr 0.15	Ax 0.11	ETL+ 2.3	KET03	13R
		00111	520HF	0.5 15	ID 21	ETL+ 2.3	KET03	13R
		00111	520HF	0.5 15	VOL	ETL+ 2.3	KET03	13R
		00111	520HF	0.5 18	VOL	ETL+ 2.6	KET03	13R
		00111	520HF	0.5 18	ID 27	ETL+ 2.6	KET03	13R
		00111	520HF	Cr 0.15	Ax 0.11	ETL+ 2.6	KET03	13R
		00111	520HF	0.8 24	ID 43	ETL+ 4.1	KET03	13R
		00111	520HF	Cr 0.20	Ax 0.17	ETL+ 4.1	KET03	13R
		00111	520HF	0.8 24	VOL	ETL+ 4.1	KET03	13R
		00111	520HF	0.6 19	INR	ETL+ 6.0	KET03	13R
80	73	00049	520HF	0.3 13	VOL	ETL+ 2.1	KET12	13R
		00049	520HF	0.3 13	ID 14	ETL+ 2.1	KET12	13R
		00049	520HF	Cr 0.15	Ax 0.11	ETL+ 2.1	KET12	13R
80	78	00159	520HF	0.3 29	ID 55	ETL+ 0.4	KET12	13R
		00159	520HF	0.3 29	VOL	ETL+ 0.4	KET12	13R
		00159	520HF	Cr 0.16	Ax 0.17	ETL+ 0.4	KET12	13R
80	80	00398	520HF	0.4 26	PID	ETL+ 1.0	SPEC-INT	13R
		00159	520HF	0.4 23	VOL	ETL+ 1.0	KET06	13R
		00159	520HF	0.4 23	ID 36	ETL+ 1.0	KET06	13R
		00159	520HF	Cr 0.16	Ax 0.18	ETL+ 1.0	KET06	13R
		00159	520HF	0.3 27	VOL	ETL+ 1.5	KET06	13R
		00159	520HF	0.3 27	ID 49	ETL+ 1.5	KET06	13R
		00159	520HF	Cr 0.16	Ax 0.18	ETL+ 1.5	KET06	13R
		00159	520HF	0.2 23	VOL	ETL+ 1.6	KET06	13R
		00159	520HF	0.2 23	ID 36	ETL+ 1.6	KET06	13R
		00159	520HF	Cr 0.21	Ax 0.18	ETL+ 1.6	KET06	13R
		00159	520HF	0.1 17	ID 22	ETL+ 2.4	KET06	13R
		00159	520HF	Cr 0.16	Ax 0.13	ETL+ 2.4	KET06	13R
		00159	520HF	0.1 17	VOL	ETL+ 2.4	KET06	13R
		00159	520HF	Cr 0.31	Ax 0.13	ETL+ 2.7	KET06	13R
		00159	520HF	0.2 26	VOL	ETL+ 2.7	KET06	13R
		00159	520HF	0.2 26	ID 45	ETL+ 2.7	KET06	13R
		00159	520HF	0.4 24	ID 39	ETL+ 3.2	KET06	13R
		00159	520HF	Cr 0.21	Ax 0.18	ETL+ 3.2	KET06	13R
		00159	520HF	0.4 24	VOL	ETL+ 3.2	KET06	13R
		00159	520HF	0.4 23	ID 36	ETL+ 3.6	KET06	13R
		00159	520HF	0.4 23	VOL	ETL+ 3.6	KET06	13R
		00159	520HF	Cr 0.21	Ax 0.13	ETL+ 3.6	KET06	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00159	520HF	0.3 22	ID 34	ETL+ 4.2	KET06	13R
		00159	520HF	Cr 0.21	Ax 0.18	ETL+ 4.2	KET06	13R
		00159	520HF	0.3 22	VOL	ETL+ 4.2	KET06	13R
80	88	00159	520HF	0.1 2	ID 1	ETL+ 0.0	KET12	13R
		00159	520HF	Cr 0.18	Ax 0.16	ETL+ 0.0	KET12	13R
		00159	520HF	0.1 2	VOL	ETL+ 0.0	KET12	13R
80	96	00159	520HF	0.1 16	VOL	ETL+ 2.7	KET03	13R
		00159	520HF	0.1 16	ID 19	ETL+ 2.7	KET03	13R
		00159	520HF	Cr 0.16	Ax 0.13	ETL+ 2.7	KET03	13R
		00159	520HF	0.2 8	ID 6	ETL+ 3.8	KET03	13R
		00159	520HF	Cr 0.16	Ax 0.13	ETL+ 3.8	KET03	13R
		00159	520HF	0.2 8	VOL	ETL+ 3.8	KET03	13R
81	130	00306	520HF	0.9 30	VOL	ETL+ 1.6	SPEC-INT	13R
		00306	520HF	0.9 30	ID 61	ETL+ 1.6	SPEC-INT	13R
		00306	520HF	Cr 0.17	Ax 0.15	ETL+ 1.6	SPEC-INT	13R
82	22	00225	520HF	0.4 25	ID 42	ETL+ 1.5	KET03	13R
		00225	520HF	0.2 35	ARC	ETL+ 1.5	KET03	13R
		00225	520HF	0.4 25	SCI	ETL+ 1.5	KET03	13R
82	26	00225	520HF	0.2 27	VOL	ETL+ 0.8	KET03	13R
		00225	520HF	0.2 27	ID 49	ETL+ 0.8	KET03	13R
		00225	520HF	Cr 0.17	Ax 0.16	ETL+ 0.8	KET03	13R
		00225	520HF	0.3 46	ARC	ETL+ 1.6	KET03	13R
		00225	520HF	0.9 29	ID 55	ETL+ 1.6	KET03	13R
		00225	520HF	0.9 29	SCI	ETL+ 1.6	KET03	13R
		00225	520HF	Cr 0.12	Ax 0.09	ETL+ 2.0	KET03	13R
		00225	520HF	0.4 16	VOL	ETL+ 2.0	KET03	13R
		00225	520HF	0.4 16	ID 19	ETL+ 2.0	KET03	13R
		00225	520HF	0.2 11	ID 10	ETL+ 2.3	KET03	13R
		00225	520HF	Cr 0.19	Ax 0.14	ETL+ 2.3	KET03	13R
		00225	520HF	0.2 11	VOL	ETL+ 2.3	KET03	13R
83	25	00227	520HF	0.2 25	VOL	ETL+ 2.6	KET06	13R
		00227	520HF	0.2 25	ID 46	ETL+ 2.6	KET06	13R
		00227	520HF	Cr 0.06	Ax 0.08	ETL+ 2.6	KET06	13R
83	33	00227	520HF	0.5 27	ID 52	ETL+ 1.1	KET12	13R
		00227	520HF	Cr 0.25	Ax 0.13	ETL+ 1.1	KET12	13R
		00227	520HF	0.5 27	VOL	ETL+ 1.1	KET12	13R
		00227	520HF	Cr 0.19	Ax 0.13	ETL+ 2.3	KET12	13R
		00227	520HF	0.4 17	VOL	ETL+ 2.3	KET12	13R
		00227	520HF	0.4 17	ID 25	ETL+ 2.3	KET12	13R
		00227	520HF	0.3 26	VOL	ETL+ 2.5	KET12	13R
		00227	520HF	0.3 26	ID 49	ETL+ 2.5	KET12	13R
		00227	520HF	Cr 0.19	Ax 0.13	ETL+ 2.5	KET12	13R
		00227	520HF	Cr 0.25	Ax 0.17	ETL+ 4.4	KET12	13R
		00227	520HF	0.5 31	VOL	ETL+ 4.4	KET12	13R
		00227	520HF	0.5 31	ID 65	ETL+ 4.4	KET12	13R
83	34	00225	520HF	0.2 21	VOL	ETL+ 0.6	KET03	13R
		00225	520HF	Cr 0.19	Ax 0.14	ETL+ 0.6	KET03	13R
		00225	520HF	0.2 21	ID 31	ETL+ 0.6	KET03	13R
		00225	520HF	0.3 18	ID 24	ETL+ 1.4	KET03	13R
		00225	520HF	0.3 18	VOL	ETL+ 1.4	KET03	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00225	520HF	Cr 0.16	Ax 0.17	ETL+ 1.4	KET03	13R
83	41	00227	520HF	0.2 19	VOL	ETL+ 1.0	KET12	13R
		00227	520HF	Cr 0.12	Ax 0.08	ETL+ 1.0	KET12	13R
		00227	520HF	0.2 19	ID 30	ETL+ 1.0	KET12	13R
83	47	00227	520HF	0.3 25	VOL	ETL+ 2.0	KET12	13R
		00227	520HF	0.3 25	ID 46	ETL+ 2.0	KET12	13R
		00227	520HF	Cr 0.12	Ax 0.13	ETL+ 2.0	KET12	13R
83	55	00227	520HF	Cr 0.13	Ax 0.12	ETL+ 0.9	KET12	13R
		00227	520HF	0.1 11	ID 13	ETL+ 0.9	KET12	13R
		00227	520HF	0.1 11	VOL	ETL+ 0.9	KET12	13R
83	56	00225	520HF	Cr 0.12	Ax 0.14	ETL+ 1.1	KET06	13R
		00225	520HF	0.2 19	ID 26	ETL+ 1.1	KET06	13R
		00225	520HF	0.2 19	VOL	ETL+ 1.1	KET06	13R
83	60	00047	520HF	0.6 18	VOL	ETL+ 2.6	KET06	13R
		00047	520HF	0.6 18	ID 22	ETL+ 2.6	KET06	13R
		00047	520HF	Cr 0.15	Ax 0.11	ETL+ 2.6	KET06	13R
83	85	00147	520HF	0.8 21	VOL	ETL+ 0.0	KET12	13R
		00147	520HF	Cr 0.13	Ax 0.09	ETL+ 0.0	KET12	13R
		00147	520HF	0.8 21	ID 29	ETL+ 0.0	KET12	13R
		00147	520HF	0.2 30	ARC	ETL+ 2.3	KET12	13R
		00147	520HF	1.2 26	ID 45	ETL+ 2.3	KET12	13R
		00147	520HF	1.2 26	SCI	ETL+ 2.3	KET12	13R
83	96	00149	520HF	0.5 26	VOL	ETL+ 1.4	KET12	13R
		00149	520HF	0.5 26	ID 48	ETL+ 1.4	KET12	13R
		00149	520HF	Cr 0.16	Ax 0.09	ETL+ 1.4	KET12	13R
83	114	00149	520HF	0.4 13	ID 16	ETL+ 2.7	KET12	13R
		00149	520HF	Cr 0.11	Ax 0.09	ETL+ 2.7	KET12	13R
		00149	520HF	0.4 13	VOL	ETL+ 2.7	KET12	13R
83	121	00269	520HF	Cr 0.16	Ax 0.16	ETL+ 2.0	KET12	13R
		00269	520HF	0.3 26	VOL	ETL+ 2.0	KET12	13R
		00269	520HF	0.3 26	ID 47	ETL+ 2.0	KET12	13R
		00269	520HF	0.4 22	VOL	ETL+ 3.2	KET12	13R
		00269	520HF	Cr 0.16	Ax 0.16	ETL+ 3.2	KET12	13R
		00269	520HF	0.4 22	ID 36	ETL+ 3.2	KET12	13R
		00269	520HF	0.5 24	MVI	ETL+ 3.9	KET12	13R
		00269	520HF	0.5 24	ID 41	ETL+ 3.9	KET12	13R
		00269	520HF	Cr 0.31	Ax 0.16	ETL+ 3.9	KET12	13R
83	131	00267	520HF	1.3 26	ID 47	ETL+ 1.6	KET03	13R
		00267	520HF	1.3 26	VOL	ETL+ 1.6	KET03	13R
		00267	520HF	Cr 0.22	Ax 0.14	ETL+ 1.6	KET03	13R
84	130	00306	520HF	0.0 0	PRA	ETL+ 0.4	KET22	13R
		00323	520HF	2.4 35	SCI	ETL+ 0.4	KET22	13R
		00323	520HF	0.3 60	ARC	ETL+ 0.4	KET22	13R
		00323	520HF	2.4 35	NT 79	ETL+ 0.4	KET22	13R
		00306	520HF	0.0 0	PRA	ETL+ 2.9	KET22	13R
		00323	520HF	Cr 0.27	Ax 0.18	ETL+ 2.9	KET22	13R
		00323	520HF	0.4 23	ID 39	ETL+ 2.9	KET22	13R
		00323	520HF	0.4 23	VOL	ETL+ 2.9	KET22	13R
		00306	520HF	0.0 0	PRA	ETL+ 4.1	KET22	13R
		00323	520HF	Cr 0.22	Ax 0.22	ETL+ 4.1	KET22	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00323	520HF	0.4 27	VOL	ETL+ 4.1	KET22	13R
		00323	520HF	0.4 27	ID 51	ETL+ 4.1	KET22	13R
85	10	00263	520HF	0.2 13	VOL	ETL+ 0.9	KET06	13R
		00263	520HF	0.2 13	ID 17	ETL+ 0.9	KET06	13R
		00263	520HF	Cr 0.17	Ax 0.09	ETL+ 0.9	KET06	13R
85	18	00217	520HF	0.6 21	ID 34	ETL+ 1.8	KET12	13R
		00217	520HF	0.6 21	VOL	ETL+ 1.8	KET12	13R
		00217	520HF	Cr 0.12	Ax 0.14	ETL+ 1.8	KET12	13R
85	28	00225	520HF	0.3 18	VOL	ETL+ 2.6	KET06	13R
		00225	520HF	Cr 0.19	Ax 0.19	ETL+ 2.6	KET06	13R
		00225	520HF	0.3 18	ID 24	ETL+ 2.6	KET06	13R
85	31	00227	520HF	Cr 0.12	Ax 0.09	ETL+ 0.6	KET12	13R
		00227	520HF	0.6 25	ID 46	ETL+ 0.6	KET12	13R
		00227	520HF	0.6 25	VOL	ETL+ 0.6	KET12	13R
		00227	520HF	0.5 34	ID 76	ETL+ 1.3	KET12	13R
		00227	520HF	0.5 34	VOL	ETL+ 1.3	KET12	13R
		00227	520HF	Cr 0.18	Ax 0.09	ETL+ 1.3	KET12	13R
		00227	520HF	0.9 30	ID 61	ETL+ 3.9	KET12	13R
		00227	520HF	Cr 0.12	Ax 0.09	ETL+ 3.9	KET12	13R
		00227	520HF	0.9 30	VOL	ETL+ 3.9	KET12	13R
85	32	00225	520HF	Cr 0.12	Ax 0.14	ETL+ 1.4	KET12	13R
		00225	520HF	0.3 17	VOL	ETL+ 1.4	KET12	13R
		00225	520HF	0.3 17	ID 22	ETL+ 1.4	KET12	13R
		00225	520HF	0.3 17	ID 22	ETL+ 4.2	KET12	13R
		00225	520HF	Cr 0.25	Ax 0.21	ETL+ 4.2	KET12	13R
		00225	520HF	0.3 17	VOL	ETL+ 4.2	KET12	13R
85	44	00225	520HF	0.1 21	VOL	ETL+ 0.0	KET03	13R
		00225	520HF	Cr 0.16	Ax 0.12	ETL+ 0.0	KET03	13R
		00225	520HF	0.1 21	31	ETL+ 0.0	KET03	13R
85	48	00225	520HF	Cr 0.12	Ax 0.09	ETL+ 2.9	KET12	13R
		00225	520HF	0.3 16	VOL	ETL+ 2.9	KET12	13R
		00225	520HF	0.3 16	ID 19	ETL+ 2.9	KET12	13R
		00225	520HF	Cr 0.12	Ax 0.12	ETL+ 4.3	KET12	13R
		00225	520HF	0.2 24	ID 39	ETL+ 4.3	KET12	13R
		00225	520HF	0.2 24	VOL	ETL+ 4.3	KET12	13R
		00225	520HF	0.4 22	VOL	ETL+ 5.0	KET12	13R
		00225	520HF	0.4 22	ID 34	ETL+ 5.0	KET12	13R
		00225	520HF	Cr 0.19	Ax 0.19	ETL+ 5.0	KET12	13R
		00225	520HF	0.6 34	ID 74	ETL+ 5.1	KET12	13R
		00225	520HF	0.6 34	VOL	ETL+ 5.1	KET12	13R
		00225	520HF	Cr 0.12	Ax 0.19	ETL+ 5.1	KET12	13R
85	49	00227	520HF	0.3 10	VOL	ETL+ 0.8	KET12	13R
		00227	520HF	Cr 0.19	Ax 0.12	ETL+ 0.8	KET12	13R
		00227	520HF	0.3 10	ID 12	ETL+ 0.8	KET12	13R
		00227	520HF	Cr 0.13	Ax 0.08	ETL+ 1.8	KET12	13R
		00227	520HF	0.4 24	ID 43	ETL+ 1.8	KET12	13R
		00227	520HF	0.4 24	VOL	ETL+ 1.8	KET12	13R
85	50	00225	520HF	Cr 0.19	Ax 0.14	ETL+ 1.5	KET12	13R
		00225	520HF	0.4 31	ID 62	ETL+ 1.5	KET12	13R
		00225	520HF	0.4 31	VOL	ETL+ 1.5	KET12	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
85	51	00398	520HF	0.3 28	PID	ETL+ 0.5	KET12	13R
		00227	520HF	0.3 24	VOL	ETL+ 0.5	KET12	13R
		00227	520HF	Cr 0.12	Ax 0.13	ETL+ 0.5	KET12	13R
		00227	520HF	0.3 24	ID 43	ETL+ 0.5	KET12	13R
		00227	520HF	Cr 0.12	Ax 0.08	ETL+ 0.9	KET12	13R
		00227	520HF	0.4 23	VOL	ETL+ 0.9	KET12	13R
		00227	520HF	0.4 23	ID 40	ETL+ 0.9	KET12	13R
		00227	520HF	0.3 22	ID 37	ETL+ 1.7	KET12	13R
		00227	520HF	0.3 22	VOL	ETL+ 1.7	KET12	13R
		00227	520HF	Cr 0.12	Ax 0.08	ETL+ 1.7	KET12	13R
		00227	520HF	Cr 0.12	Ax 0.13	ETL+ 2.1	KET12	13R
		00227	520HF	0.2 13	VOL	ETL+ 2.1	KET12	13R
		00227	520HF	0.2 13	ID 17	ETL+ 2.1	KET12	13R
		00227	520HF	0.2 18	ID 27	ETL+ 2.7	KET12	13R
		00227	520HF	Cr 0.19	Ax 0.13	ETL+ 2.7	KET12	13R
		00227	520HF	0.2 18	VOL	ETL+ 2.7	KET12	13R
		00227	520HF	0.2 29	ID 58	ETL+ 2.7	KET12	13R
		00227	520HF	0.2 29	VOL	ETL+ 2.7	KET12	13R
		00227	520HF	Cr 0.12	Ax 0.08	ETL+ 2.7	KET12	13R
		00227	520HF	Cr 0.19	Ax 0.13	ETL+ 3.3	KET12	13R
		00227	520HF	0.3 25	VOL	ETL+ 3.3	KET12	13R
		00227	520HF	0.3 25	ID 46	ETL+ 3.3	KET12	13R
		00227	520HF	0.5 20	VOL	ETL+ 3.5	KET12	13R
		00227	520HF	Cr 0.19	Ax 0.13	ETL+ 3.5	KET12	13R
		00227	520HF	0.5 20	ID 32	ETL+ 3.5	KET12	13R
		00227	520HF	0.3 19	ID 30	ETL+ 4.2	KET12	13R
		00227	520HF	0.3 19	VOL	ETL+ 4.2	KET12	13R
		00227	520HF	Cr 0.19	Ax 0.17	ETL+ 4.2	KET12	13R
85	57	00111	520HF	Cr 0.12	Ax 0.11	ETL+ 0.8	KET03	13R
		00111	520HF	0.3 17	VOL	ETL+ 0.8	KET03	13R
		00111	520HF	0.3 17	ID 25	ETL+ 0.8	KET03	13R
		00111	520HF	0.3 21	VOL	ETL+ 1.8	KET03	13R
		00111	520HF	Cr 0.17	Ax 0.14	ETL+ 1.8	KET03	13R
		00111	520HF	0.3 21	ID 35	ETL+ 1.8	KET03	13R
		00111	520HF	Cr 0.20	Ax 0.17	ETL+ 2.0	KET03	13R
		00111	520HF	0.5 19	ID 30	ETL+ 2.0	KET03	13R
		00111	520HF	0.5 19	VOL	ETL+ 2.0	KET03	13R
		00111	520HF	0.6 20	VOL	ETL+ 2.5	KET03	13R
		00111	520HF	0.6 20	ID 32	ETL+ 2.5	KET03	13R
		00111	520HF	Cr 0.20	Ax 0.17	ETL+ 2.5	KET03	13R
		00111	520HF	0.7 25	VOL	ETL+ 3.4	KET03	13R
		00111	520HF	0.7 25	ID 46	ETL+ 3.4	KET03	13R
		00111	520HF	Cr 0.20	Ax 0.17	ETL+ 3.4	KET03	13R
85	58	00069	520HF	0.5 23	ID 66	ETL+ 2.2	KET03	13R
		00069	520HF	Cr 0.19	Ax 0.11	ETL+ 2.2	KET03	13R
		00069	520HF	0.5 23	VOL	ETL+ 2.2	KET03	13R
85	59	00111	520HF	0.4 19	VOL	ETL+ 3.0	KET12	13R
		00111	520HF	0.4 19	ID 30	ETL+ 3.0	KET12	13R
		00111	520HF	Cr 0.15	Ax 0.14	ETL+ 3.0	KET12	13R
85	60	00069	520HF	0.7 25	VOL	ETL+ 2.3	KET12	13R

THREE MILE ISLAND UNIT 1
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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00069	520HF	0.7 25	ID 71	ETL+ 2.3	KET12	13R
		00069	520HF	Cr 0.19	Ax 0.11	ETL+ 2.3	KET12	13R
85	74	00111	520HF	0.9 26	ID 49	ETL+ 2.0	KET12	13R
		00111	520HF	0.9 26	VOL	ETL+ 2.0	KET12	13R
		00111	520HF	Cr 0.17	Ax 0.14	ETL+ 2.0	KET12	13R
85	84	00149	520HF	0.5 12	ID 14	ETL+ 0.5	KET12	13R
		00149	520HF	Cr 0.17	Ax 0.13	ETL+ 0.5	KET12	13R
		00149	520HF	0.5 12	VOL	ETL+ 0.5	KET12	13R
85	127	00323	520HF	0.2 25	VOL	ETL+ 1.2	KET22	13R
		00323	520HF	0.2 25	ID 44	ETL+ 1.2	KET22	13R
		00323	520HF	Cr 0.15	Ax 0.14	ETL+ 1.2	KET22	13R
		00323	520HF	2.0 37	NT 87	ETL+ 2.7	KET22	13R
		00323	520HF	2.0 37	SCI	ETL+ 2.7	KET22	13R
		00323	520HF	0.3 47	ARC	ETL+ 2.7	KET22	13R
		00323	520HF	0.3 51	ARC	ETL+ 4.4	KET22	13R
		00323	520HF	4.6 43	SCI	ETL+ 4.4	KET22	13R
		00323	520HF	4.6 43	NT 99	ETL+ 4.4	KET22	13R
		00323	520HF	0.2 37	ARC	ETL+ 4.6	KET22	13R
		00323	520HF	2.8 38	NT 91	ETL+ 4.6	KET22	13R
		00323	520HF	2.8 38	SCI	ETL+ 4.6	KET22	13R
86	93	00183	520HF	Cr 0.16	Ax 0.18	ETL+ 0.6	KET03	13R
		00183	520HF	0.4 21	ID 33	ETL+ 0.6	KET03	13R
		00183	520HF	0.4 21	VOL	ETL+ 0.6	KET03	13R
		00183	520HF	0.5 20	VOL	ETL+ 1.9	KET03	13R
		00183	520HF	0.5 20	ID 31	ETL+ 1.9	KET03	13R
		00183	520HF	Cr 0.16	Ax 0.12	ETL+ 1.9	KET03	13R
		00183	520HF	0.4 15	ID 19	ETL+ 2.7	KET03	13R
		00183	520HF	Cr 0.16	Ax 0.18	ETL+ 2.7	KET03	13R
		00183	520HF	0.4 15	VOL	ETL+ 2.7	KET03	13R
86	121	00269	520HF	1.8 40	SCI	ETL+ 0.0	KET03	13R
		00323	520HF	2.1 36	PID	ETL+ 0.0	KET03	13R
		00269	520HF	0.2 35	ARC	ETL+ 0.0	KET03	13R
		00269	520HF	1.8 40	NT 100	ETL+ 0.0	KET03	13R
87	28	00219	520HF	0.1 25	46	ETL+ 2.0	KET03	13R
		00219	520HF	0.1 25	VOL	ETL+ 2.0	KET03	13R
		00219	520HF	Cr 0.13	Ax 0.09	ETL+ 2.0	KET03	13R
87	30	00219	520HF	0.3 16	ID 23	ETL+ 2.4	KET12	13R
		00219	520HF	0.3 16	VOL	ETL+ 2.4	KET12	13R
		00219	520HF	Cr 0.13	Ax 0.14	ETL+ 2.4	KET12	13R
87	31	00217	520HF	Cr 0.12	Ax 0.14	ETL+ 1.3	KET12	13R
		00217	520HF	0.8 24	ID 42	ETL+ 1.3	KET12	13R
		00217	520HF	0.8 24	VOL	ETL+ 1.3	KET12	13R
		00217	520HF	Cr 0.18	Ax 0.19	ETL+ 1.8	KET12	13R
		00217	520HF	0.9 17	ID 24	ETL+ 1.8	KET12	13R
		00217	520HF	0.9 17	VOL	ETL+ 1.8	KET12	13R
		00217	520HF	0.4 27	VOL	ETL+ 2.0	KET12	13R
		00217	520HF	Cr 0.18	Ax 0.14	ETL+ 2.0	KET12	13R
		00217	520HF	0.4 27	ID 51	ETL+ 2.0	KET12	13R
		00217	520HF	0.6 29	VOL	ETL+ 2.7	KET12	13R
		00217	520HF	Cr 0.12	Ax 0.19	ETL+ 2.7	KET12	13R

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OTSG-A
OUTAGE 13R
KINETIC EXPANSION INDICATIONS

Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00217	520HF	0.6 29	ID 57	ETL+ 2.7	KET12	13R
		00217	520HF	1.3 33	ID 71	ETL+ 3.7	KET12	13R
		00217	520HF	Cr 0.18	Ax 0.33	ETL+ 3.7	KET12	13R
		00217	520HF	1.3 33	SVI	ETL+ 3.7	KET12	13R
87	32	00219	520HF	0.3 28	VOL	ETL+ 0.2	KET06	13R
		00219	520HF	0.3 28	ID 55	ETL+ 0.2	KET06	13R
		00219	520HF	Cr 0.13	Ax 0.14	ETL+ 0.2	KET06	13R
		00219	520HF	0.1 23	40	ETL+ 1.9	KET06	13R
		00219	520HF	0.1 23	VOL	ETL+ 1.9	KET06	13R
		00219	520HF	Cr 0.13	Ax 0.09	ETL+ 1.9	KET06	13R
		00219	520HF	0.1 15	VOL	ETL+ 5.1	KET06	13R
		00219	520HF	0.1 15	ID 21	ETL+ 5.1	KET06	13R
		00219	520HF	Cr 0.20	Ax 0.14	ETL+ 5.1	KET06	13R
87	34	00219	520HF	Cr 0.20	Ax 0.14	ETL+ 2.0	KET12	13R
		00219	520HF	0.1 15	VOL	ETL+ 2.0	KET12	13R
		00219	520HF	0.1 15	ID 21	ETL+ 2.0	KET12	13R
		00219	520HF	0.3 14	ID 19	ETL+ 2.3	KET12	13R
		00219	520HF	Cr 0.13	Ax 0.14	ETL+ 2.3	KET12	13R
		00219	520HF	0.3 14	VOL	ETL+ 2.3	KET12	13R
		00219	520HF	Cr 0.20	Ax 0.24	ETL+ 2.4	KET12	13R
		00219	520HF	0.2 17	ID 25	ETL+ 2.4	KET12	13R
		00219	520HF	0.2 17	VOL	ETL+ 2.4	KET12	13R
		00219	520HF	Cr 0.20	Ax 0.14	ETL+ 3.5	KET12	13R
		00219	520HF	0.2 18	ID 27	ETL+ 3.5	KET12	13R
		00219	520HF	0.2 18	VOL	ETL+ 3.5	KET12	13R
		00219	520HF	Cr 0.13	Ax 0.14	ETL+ 4.7	KET12	13R
		00219	520HF	0.3 21	VOL	ETL+ 4.7	KET12	13R
		00219	520HF	0.3 21	ID 35	ETL+ 4.7	KET12	13R
87	35	00217	520HF	0.4 15	ID 20	ETL+ 2.2	KET06	13R
		00217	520HF	0.4 15	VOL	ETL+ 2.2	KET06	13R
		00217	520HF	Cr 0.18	Ax 0.14	ETL+ 2.2	KET06	13R
		00217	520HF	Cr 0.12	Ax 0.14	ETL+ 3.2	KET06	13R
		00217	520HF	0.2 21	VOL	ETL+ 3.2	KET06	13R
		00217	520HF	0.2 21	ID 34	ETL+ 3.2	KET06	13R
87	45	00217	520HF	0.3 19	ID 29	ETL+ 3.1	KET12	13R
		00217	520HF	0.3 19	VOL	ETL+ 3.1	KET12	13R
		00217	520HF	Cr 0.18	Ax 0.19	ETL+ 3.1	KET12	13R
87	51	00217	520HF	Cr 0.18	Ax 0.15	ETL+ 0.0	KET12	13R
		00217	520HF	0.6 13	VOL	ETL+ 0.0	KET12	13R
		00217	520HF	0.6 13	ID 16	ETL+ 0.0	KET12	13R
		00217	520HF	0.4 19	ID 29	ETL+ 3.2	KET12	13R
		00217	520HF	0.4 19	VOL	ETL+ 3.2	KET12	13R
		00217	520HF	Cr 0.12	Ax 0.10	ETL+ 3.2	KET12	13R
87	52	00219	520HF	Cr 0.13	Ax 0.14	ETL+ 0.2	KET06	13R
		00219	520HF	0.1 16	VOL	ETL+ 0.2	KET06	13R
		00219	520HF	0.1 16	ID 23	ETL+ 0.2	KET06	13R
		00219	520HF	Cr 0.13	Ax 0.10	ETL+ 2.2	KET06	13R
		00219	520HF	0.1 15	ID 21	ETL+ 2.2	KET06	13R
		00219	520HF	0.1 15	VOL	ETL+ 2.2	KET06	13R
87	54	00219	520HF	0.2 14	VOL	ETL+ 2.1	KET12	13R

THREE MILE ISLAND UNIT 1
OTSG-A
OUTAGE 13R
KINETIC EXPANSION INDICATIONS

Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00219	520HF	Cr 0.13	Ax 0.09	ETL+ 2.1	KET12	13R
		00219	520HF	0.2 14	ID 19	ETL+ 2.1	KET12	13R
		00219	520HF	0.1 25	VOL	ETL+ 3.3	KET12	13R
		00219	520HF	Cr 0.13	Ax 0.14	ETL+ 3.3	KET12	13R
		00219	520HF	0.1 25	46	ETL+ 3.3	KET12	13R
87	69	00111	520HF	Cr 0.10	Ax 0.09	ETL+ 2.8	KET12	13R
		00111	520HF	0.2 10	ID 12	ETL+ 2.8	KET12	13R
		00111	520HF	0.2 10	VOL	ETL+ 2.8	KET12	13R
87	75	00111	520HF	0.6 13	VOL	ETL+ 2.2	KET12	13R
		00111	520HF	0.4 12	VOL	ETL+ 2.2	KET12	13R
		00111	520HF	0.4 12	ID 15	ETL+ 2.2	KET12	13R
		00111	520HF	Cr 0.15	Ax 0.11	ETL+ 2.2	KET12	13R
		00111	520HF	Cr 0.10	Ax 0.11	ETL+ 2.2	KET12	13R
		00111	520HF	0.6 13	ID 17	ETL+ 2.2	KET12	13R
87	91	00149	520HF	0.3 17	VOL	ETL+ 0.1	KET12	13R
		00149	520HF	0.3 17	ID 24	ETL+ 0.1	KET12	13R
		00149	520HF	Cr 0.22	Ax 0.11	ETL+ 0.1	KET12	13R
87	94	00147	520HF	Cr 0.13	Ax 0.07	ETL+ 0.4	KET06	13R
		00147	520HF	0.6 24	VOL	ETL+ 0.4	KET06	13R
		00147	520HF	0.6 24	ID 39	ETL+ 0.4	KET06	13R
		00147	520HF	Cr 0.19	Ax 0.15	ETL+ 2.3	KET06	13R
		00147	520HF	0.5 19	VOL	ETL+ 2.3	KET06	13R
		00147	520HF	0.5 19	ID 26	ETL+ 2.3	KET06	13R
89	24	00217	520HF	Cr 0.12	Ax 0.15	ETL+ 2.2	KET12	13R
		00217	520HF	0.2 20	ID 31	ETL+ 2.2	KET12	13R
		00217	520HF	0.2 20	VOL	ETL+ 2.2	KET12	13R
89	25	00219	520HF	Cr 0.19	Ax 0.10	ETL+ 2.7	KET12	13R
		00219	520HF	0.2 22	ID 37	ETL+ 2.7	KET12	13R
		00219	520HF	0.2 22	VOL	ETL+ 2.7	KET12	13R
		00219	520HF	0.6 20	ID 32	ETL+ 3.9	KET12	13R
		00219	520HF	0.6 20	VOL	ETL+ 3.9	KET12	13R
		00219	520HF	Cr 0.26	Ax 0.14	ETL+ 3.9	KET12	13R
89	30	00217	520HF	0.6 27	ID 51	ETL+ 2.5	KET12	13R
		00217	520HF	0.6 27	VOL	ETL+ 2.5	KET12	13R
		00217	520HF	Cr 0.18	Ax 0.15	ETL+ 2.5	KET12	13R
		00217	520HF	Cr 0.18	Ax 0.15	ETL+ 5.1	KET12	13R
		00217	520HF	0.5 32	VOL	ETL+ 5.1	KET12	13R
		00217	520HF	0.5 32	ID 67	ETL+ 5.1	KET12	13R
89	33	00219	520HF	0.1 29	58	ETL+ 0.8	KET12	13R
		00219	520HF	Cr 0.13	Ax 0.10	ETL+ 0.8	KET12	13R
		00219	520HF	0.1 29	VOL	ETL+ 0.8	KET12	13R
89	37	00219	520HF	0.2 31	VOL	ETL+ 0.3	KET06	13R
		00219	520HF	0.2 31	ID 65	ETL+ 0.3	KET06	13R
		00219	520HF	Cr 0.19	Ax 0.19	ETL+ 0.3	KET06	13R
		00219	520HF	Cr 0.19	Ax 0.14	ETL+ 1.1	KET06	13R
		00219	520HF	0.1 13	VOL	ETL+ 1.1	KET06	13R
		00219	520HF	0.1 13	ID 17	ETL+ 1.1	KET06	13R
		00219	520HF	0.1 8	ID 9	ETL+ 2.4	KET06	13R
		00219	520HF	0.1 8	VOL	ETL+ 2.4	KET06	13R
		00219	520HF	Cr 0.19	Ax 0.19	ETL+ 2.4	KET06	13R

THREE MILE ISLAND UNIT 1
OTSG-A
OUTAGE 13R
KINETIC EXPANSION INDICATIONS

Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
89	42	00217	520HF	Cr 0.18	Ax 0.15	ETL+ 2.0	KET12	13R
		00217	520HF	0.3 25	ID 45	ETL+ 2.0	KET12	13R
		00217	520HF	0.3 25	VOL	ETL+ 2.0	KET12	13R
89	45	00219	520HF	Cr 0.20	Ax 0.09	ETL+ 1.5	KET03	13R
		00219	520HF	0.1 24	VOL	ETL+ 1.5	KET03	13R
		00219	520HF	0.1 24	ID 43	ETL+ 1.5	KET03	13R
		00219	520HF	0.2 23	ID 40	ETL+ 2.0	KET03	13R
		00219	520HF	Cr 0.20	Ax 0.14	ETL+ 2.0	KET03	13R
		00219	520HF	0.2 23	VOL	ETL+ 2.0	KET03	13R
		00219	520HF	Cr 0.13	Ax 0.14	ETL+ 3.3	KET03	13R
		00219	520HF	0.3 20	ID 32	ETL+ 3.3	KET03	13R
		00219	520HF	0.3 20	VOL	ETL+ 3.3	KET03	13R
		00219	520HF	0.2 19	VOL	ETL+ 3.7	KET03	13R
		00219	520HF	Cr 0.13	Ax 0.09	ETL+ 3.7	KET03	13R
		00219	520HF	0.2 19	ID 30	ETL+ 3.7	KET03	13R
		00219	520HF	Cr 0.13	Ax 0.09	ETL+ 3.7	KET03	13R
		00219	520HF	0.1 6	VOL	ETL+ 3.7	KET03	13R
		00219	520HF	0.1 6	6	ETL+ 3.7	KET03	13R
		00219	520HF	0.2 18	VOL	ETL+ 4.4	KET03	13R
		00219	520HF	0.2 18	ID 27	ETL+ 4.4	KET03	13R
		00219	520HF	Cr 0.20	Ax 0.19	ETL+ 4.4	KET03	13R
89	52	00217	520HF	0.3 18	ID 26	ETL+ 0.0	KET12	13R
		00217	520HF	0.3 18	VOL	ETL+ 0.0	KET12	13R
		00217	520HF	Cr 0.18	Ax 0.15	ETL+ 0.0	KET12	13R
89	57	00111	520HF	0.3 16	VOL	ETL+ 0.9	KET12	13R
		00111	520HF	Cr 0.10	Ax 0.11	ETL+ 0.9	KET12	13R
		00111	520HF	0.3 16	ID 23	ETL+ 0.9	KET12	13R
		00111	520HF	0.2 11	VOL	ETL+ 2.5	KET12	13R
		00111	520HF	Cr 0.10	Ax 0.06	ETL+ 2.5	KET12	13R
		00111	520HF	0.2 11	ID 13	ETL+ 2.5	KET12	13R
		00111	520HF	0.1 15	VOL	ETL+ 2.9	KET12	13R
		00111	520HF	0.1 15	ID 21	ETL+ 2.9	KET12	13R
		00111	520HF	Cr 0.15	Ax 0.11	ETL+ 2.9	KET12	13R
89	70	00111	520HF	Cr 0.15	Ax 0.11	ETL+ 0.2	KET12	13R
		00111	520HF	0.6 23	VOL	ETL+ 0.2	KET12	13R
		00111	520HF	0.6 23	ID 40	ETL+ 0.2	KET12	13R
		00111	520HF	0.2 18	VOL	ETL+ 0.5	KET12	13R
		00111	520HF	Cr 0.10	Ax 0.11	ETL+ 0.5	KET12	13R
		00111	520HF	0.2 18	ID 27	ETL+ 0.5	KET12	13R
		00111	520HF	0.3 19	VOL	ETL+ 1.5	KET12	13R
		00111	520HF	Cr 0.10	Ax 0.11	ETL+ 1.5	KET12	13R
		00111	520HF	0.3 19	ID 30	ETL+ 1.5	KET12	13R
		00111	520HF	0.2 4	VOL	ETL+ 1.5	KET12	13R
		00111	520HF	0.2 4	ID 4	ETL+ 1.5	KET12	13R
		00111	520HF	Cr 0.15	Ax 0.11	ETL+ 1.5	KET12	13R
		00111	520HF	0.1 11	ID 13	ETL+ 3.1	KET12	13R
		00111	520HF	Cr 0.15	Ax 0.11	ETL+ 3.1	KET12	13R
		00111	520HF	0.1 11	VOL	ETL+ 3.1	KET12	13R
		00111	520HF	Cr 0.20	Ax 0.17	ETL+ 3.9	KET12	13R
		00111	520HF	0.4 12	ID 15	ETL+ 3.9	KET12	13R

THREE MILE ISLAND UNIT 1
OTSG-A
OUTAGE 13R
KINETIC EXPANSION INDICATIONS

Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00111	520HF	0.4 12	VOL	ETL+ 3.9	KET12	13R
89	72	00111	520HF	Cr 0.15	Ax 0.23	ETL+ 0.9	KET03	13R
		00111	520HF	0.3 20	ID 32	ETL+ 0.9	KET03	13R
		00111	520HF	0.3 20	VOL	ETL+ 0.9	KET03	13R
89	73	00069	520HF	0.2 21	VOL	ETL+ 3.3	KET06	13R
		00069	520HF	0.2 21	ID 45	ETL+ 3.3	KET06	13R
		00069	520HF	Cr 0.15	Ax 0.11	ETL+ 3.3	KET06	13R
89	88	00149	520HF	0.2 15	VOL	ETL+ 1.2	KET12	13R
		00149	520HF	Cr 0.11	Ax 0.09	ETL+ 1.2	KET12	13R
		00149	520HF	0.2 15	ID 20	ETL+ 1.2	KET12	13R
		00149	520HF	0.4 8	ID 8	ETL+ 1.6	KET12	13R
		00149	520HF	0.4 8	VOL	ETL+ 1.6	KET12	13R
		00149	520HF	Cr 0.16	Ax 0.09	ETL+ 1.6	KET12	13R
89	95	00147	520HF	0.3 17	ID 22	ETL+ 2.7	KET03	13R
		00147	520HF	0.3 17	VOL	ETL+ 2.7	KET03	13R
		00147	520HF	Cr 0.13	Ax 0.16	ETL+ 2.7	KET03	13R
89	114	00149	520HF	0.2 34	VOL	ETL+ 0.8	KET03	13R
		00149	520HF	0.2 34	ID 75	ETL+ 0.8	KET03	13R
		00149	520HF	Cr 0.16	Ax 0.14	ETL+ 0.8	KET03	13R
		00149	520HF	Cr 0.16	Ax 0.14	ETL+ 1.6	KET03	13R
		00149	520HF	0.2 22	ID 37	ETL+ 1.6	KET03	13R
		00149	520HF	0.2 22	VOL	ETL+ 1.6	KET03	13R
89	121	00273	520HF	1.4 27	VOL	ETL+ 1.9	KET03	13R
		00273	520HF	Cr 0.22	Ax 0.18	ETL+ 1.9	KET03	13R
		00273	520HF	1.4 27	ID 52	ETL+ 1.9	KET03	13R
		00273	520HF	0.4 12	ID 15	ETL+ 2.8	KET03	13R
		00273	520HF	Cr 0.11	Ax 0.09	ETL+ 2.8	KET03	13R
		00273	520HF	0.4 12	VOL	ETL+ 2.8	KET03	13R
92	15	00219	520HF	Cr 0.20	Ax 0.09	ETL+ 2.2	KET12	13R
		00219	520HF	0.2 11	ID 13	ETL+ 2.2	KET12	13R
		00219	520HF	0.2 11	VOL	ETL+ 2.2	KET12	13R
92	18	00217	520HF	0.3 26	VOL	ETL+ 2.4	KET12	13R
		00217	520HF	Cr 0.18	Ax 0.15	ETL+ 2.4	KET12	13R
		00217	520HF	0.3 26	ID 48	ETL+ 2.4	KET12	13R
92	23	00219	520HF	0.1 36	NT 83	ETL+ 1.4	KET06	13R
		00219	520HF	Cr 0.20	Ax 0.14	ETL+ 1.4	KET06	13R
		00219	520HF	0.1 36	VOL	ETL+ 1.4	KET06	13R
92	42	00217	520HF	Cr 0.12	Ax 0.15	ETL+ 0.7	KET12	13R
		00217	520HF	0.3 26	ID 48	ETL+ 0.7	KET12	13R
		00217	520HF	0.3 26	VOL	ETL+ 0.7	KET12	13R
92	44	00217	520HF	Cr 0.18	Ax 0.15	ETL+ 0.9	KET12	13R
		00217	520HF	0.2 25	ID 45	ETL+ 0.9	KET12	13R
		00217	520HF	0.2 25	VOL	ETL+ 0.9	KET12	13R
92	45	00219	520HF	0.1 10	12	ETL+ 2.3	KET12	13R
		00219	520HF	0.1 10	VOL	ETL+ 2.3	KET12	13R
		00219	520HF	Cr 0.13	Ax 0.09	ETL+ 2.3	KET12	13R
92	51	00219	520HF	Cr 0.19	Ax 0.14	ETL+ 0.2	KET06	13R
		00219	520HF	0.2 33	VOL	ETL+ 0.2	KET06	13R
		00219	520HF	0.2 33	ID 72	ETL+ 0.2	KET06	13R
		00219	520HF	Cr 0.13	Ax 0.10	ETL+ 2.3	KET06	13R

THREE MILE ISLAND UNIT 1
OTSG-A
OUTAGE 13R
KINETIC EXPANSION INDICATIONS

Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00219	520HF	0.1 31	ID 65	ETL+ 2.3	KET06	13R
		00219	520HF	0.1 31	VOL	ETL+ 2.3	KET06	13R
		00219	520HF	0.1 15	VOL	ETL+ 2.4	KET06	13R
		00219	520HF	0.1 15	21	ETL+ 2.4	KET06	13R
		00219	520HF	Cr 0.13	Ax 0.14	ETL+ 2.4	KET06	13R
92	70	00093	520HF	0.3 23	VOL	ETL+ 0.9	KET12	13R
		00093	520HF	Cr 0.20	Ax 0.16	ETL+ 0.9	KET12	13R
		00093	520HF	0.3 23	ID 40	ETL+ 0.9	KET12	13R
		00093	520HF	0.3 29	VOL	ETL+ 3.8	KET12	13R
		00093	520HF	Cr 0.15	Ax 0.14	ETL+ 3.8	KET12	13R
		00093	520HF	0.3 29	ID 58	ETL+ 3.8	KET12	13R
92	73	00091	520HF	0.3 19	ID 28	ETL+ 0.8	KET12	13R
		00091	520HF	Cr 0.20	Ax 0.22	ETL+ 0.8	KET12	13R
		00091	520HF	0.3 19	VOL	ETL+ 0.8	KET12	13R
		00312	520HF	0.3 19	VOL	ETL+ 0.9	SPEC-INT	13R
		00312	520HF	0.3 19	ID 28	ETL+ 0.9	SPEC-INT	13R
		00312	520HF	Cr 0.11	Ax 0.22	ETL+ 0.9	KET12	13R
		00091	520HF	Cr 0.20	Ax 0.18	ETL+ 2.9	KET12	13R
		00091	520HF	0.2 5	ID 4	ETL+ 2.9	KET12	13R
		00091	520HF	0.2 5	VOL	ETL+ 2.9	KET12	13R
		00312	520HF	0.3 14	VOL	ETL+ 3.3	SPEC-INT	13R
		00312	520HF	0.3 14	ID 19	ETL+ 3.3	SPEC-INT	13R
		00312	520HF	Cr 0.17	Ax 0.16	ETL+ 3.3	KET12	13R
92	78	00149	520HF	0.3 19	ID 29	ETL+ 0.9	KET12	13R
		00149	520HF	0.3 19	VOL	ETL+ 0.9	KET12	13R
		00149	520HF	Cr 0.16	Ax 0.14	ETL+ 0.9	KET12	13R
		00149	520HF	0.2 19	ID 29	ETL+ 1.3	KET12	13R
		00149	520HF	Cr 0.16	Ax 0.14	ETL+ 1.3	KET12	13R
		00149	520HF	0.2 19	VOL	ETL+ 1.3	KET12	13R
92	125	00273	520HF	0.1 16	VOL	ETL+ 1.3	KET12	13R
		00273	520HF	0.1 16	ID 23	ETL+ 1.3	KET12	13R
		00273	520HF	Cr 0.11	Ax 0.14	ETL+ 1.3	KET12	13R
		00273	520HF	0.2 21	VOL	ETL+ 1.6	KET12	13R
		00273	520HF	Cr 0.11	Ax 0.09	ETL+ 1.6	KET12	13R
		00273	520HF	0.2 21	ID 35	ETL+ 1.6	KET12	13R
		00273	520HF	Cr 0.11	Ax 0.14	ETL+ 2.1	KET12	13R
		00273	520HF	0.2 2	VOL	ETL+ 2.1	KET12	13R
		00273	520HF	0.2 2	ID 2	ETL+ 2.1	KET12	13R
93	58	00137	520HF	0.3 18	ID 24	ETL+ 0.2	SPEC-INT	13R
		00137	520HF	Cr 0.17	Ax 0.16	ETL+ 0.2	SPEC-INT	13R
		00137	520HF	0.3 18	VOL	ETL+ 0.2	SPEC-INT	13R
		00137	520HF	0.5 25	VOL	ETL+ 0.7	SPEC-INT	13R
		00137	520HF	0.5 25	ID 42	ETL+ 0.7	SPEC-INT	13R
		00137	520HF	Cr 0.17	Ax 0.18	ETL+ 0.7	SPEC-INT	13R
		00137	520HF	0.7 23	VOL	ETL+ 1.4	SPEC-INT	13R
		00137	520HF	0.7 23	ID 36	ETL+ 1.4	SPEC-INT	13R
		00137	520HF	Cr 0.17	Ax 0.16	ETL+ 1.4	SPEC-INT	13R
		00137	520HF	0.4 13	ID 14	ETL+ 1.8	SPEC-INT	13R
		00137	520HF	0.4 13	VOL	ETL+ 1.8	SPEC-INT	13R
		00137	520HF	Cr 0.17	Ax 0.12	ETL+ 1.8	SPEC-INT	13R

THREE MILE ISLAND UNIT 1
OTSG-A
OUTAGE 13R
KINETIC EXPANSION INDICATIONS

Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00137	520HF	Cr 0.17	Ax 0.12	ETL+ 2.3	SPEC-INT	13R
		00137	520HF	0.4 13	ID 14	ETL+ 2.3	SPEC-INT	13R
		00137	520HF	0.4 13	VOL	ETL+ 2.3	SPEC-INT	13R
		00137	520HF	0.4 22	VOL	ETL+ 3.8	SPEC-INT	13R
		00137	520HF	Cr 0.17	Ax 0.12	ETL+ 3.8	SPEC-INT	13R
		00137	520HF	0.4 22	ID 34	ETL+ 3.8	SPEC-INT	13R
94	5	00263	520HF	1.8 27	ID 52	ETL+ 0.3	KET12	13R
		00263	520HF	1.8 27	VOL	ETL+ 0.3	KET12	13R
		00263	520HF	Cr 0.23	Ax 0.13	ETL+ 0.3	KET12	13R
94	27	00217	520HF	0.3 22	ID 36	ETL+ 2.8	KET12	13R
		00217	520HF	Cr 0.12	Ax 0.15	ETL+ 2.8	KET12	13R
		00217	520HF	0.3 22	VOL	ETL+ 2.8	KET12	13R
94	42	00217	520HF	0.3 21	VOL	ETL+ 0.3	KET12	13R
		00217	520HF	0.3 21	ID 34	ETL+ 0.3	KET12	13R
		00217	520HF	Cr 0.12	Ax 0.15	ETL+ 0.3	KET12	13R
		00217	520HF	0.3 25	ID 45	ETL+ 0.7	KET12	13R
		00217	520HF	Cr 0.12	Ax 0.10	ETL+ 0.7	KET12	13R
		00217	520HF	0.3 25	VOL	ETL+ 0.7	KET12	13R
		00217	520HF	0.3 21	ID 34	ETL+ 1.3	KET12	13R
		00217	520HF	0.3 21	VOL	ETL+ 1.3	KET12	13R
		00217	520HF	Cr 0.12	Ax 0.20	ETL+ 1.3	KET12	13R
		00217	520HF	Cr 0.12	Ax 0.15	ETL+ 1.6	KET12	13R
		00217	520HF	0.4 26	ID 48	ETL+ 1.6	KET12	13R
		00217	520HF	0.4 26	VOL	ETL+ 1.6	KET12	13R
		00217	520HF	0.2 19	VOL	ETL+ 3.1	KET12	13R
		00217	520HF	0.2 19	ID 29	ETL+ 3.1	KET12	13R
		00217	520HF	Cr 0.12	Ax 0.15	ETL+ 3.1	KET12	13R
		00217	520HF	0.3 20	VOL	ETL+ 3.3	KET12	13R
		00217	520HF	0.3 20	ID 31	ETL+ 3.3	KET12	13R
		00217	520HF	Cr 0.17	Ax 0.15	ETL+ 3.3	KET12	13R
		00217	520HF	0.3 23	ID 39	ETL+ 4.7	KET12	13R
		00217	520HF	0.3 23	VOL	ETL+ 4.7	KET12	13R
		00217	520HF	Cr 0.23	Ax 0.15	ETL+ 4.7	KET12	13R
		00217	520HF	1.3 28	ID 54	ETL+ 6.1	KET12	13R
		00217	520HF	Cr 0.17	Ax 0.15	ETL+ 6.1	KET12	13R
		00217	520HF	1.3 28	VOL	ETL+ 6.1	KET12	13R
94	48	00217	520HF	0.5 32	ID 67	ETL+ 1.2	KET12	13R
		00217	520HF	0.5 32	VOL	ETL+ 1.2	KET12	13R
		00217	520HF	Cr 0.18	Ax 0.15	ETL+ 1.2	KET12	13R
94	52	00217	520HF	0.2 21	VOL	ETL+ 0.4	KET03	13R
		00217	520HF	0.2 21	ID 34	ETL+ 0.4	KET03	13R
		00217	520HF	Cr 0.18	Ax 0.15	ETL+ 0.4	KET03	13R
		00217	520HF	Cr 0.12	Ax 0.15	ETL+ 1.1	KET03	13R
		00217	520HF	0.4 18	VOL	ETL+ 1.1	KET03	13R
		00217	520HF	0.4 18	ID 26	ETL+ 1.1	KET03	13R
		00217	520HF	Cr 0.12	Ax 0.15	ETL+ 2.3	KET03	13R
		00217	520HF	0.2 18	VOL	ETL+ 2.3	KET03	13R
		00217	520HF	0.2 18	ID 26	ETL+ 2.3	KET03	13R
94	53	00219	520HF	0.5 28	VOL	ETL+ 0.7	KET06	13R
		00219	520HF	Cr 0.13	Ax 0.10	ETL+ 0.7	KET06	13R

THREE MILE ISLAND UNIT 1
OTSG-A
OUTAGE 13R
KINETIC EXPANSION INDICATIONS

Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00219	520HF	0.5 28	ID 55	ETL+ 0.7	KET06	13R
		00219	520HF	0.1 22	ID 37	ETL+ 1.6	KET06	13R
		00219	520HF	0.1 22	VOL	ETL+ 1.6	KET06	13R
		00219	520HF	Cr 0.13	Ax 0.14	ETL+ 1.6	KET06	13R
		00219	520HF	0.1 10	ID 12	ETL+ 2.6	KET06	13R
		00219	520HF	0.1 10	VOL	ETL+ 2.6	KET06	13R
		00219	520HF	Cr 0.19	Ax 0.14	ETL+ 2.6	KET06	13R
		00219	520HF	0.1 30	VOL	ETL+ 3.4	KET06	13R
		00219	520HF	0.1 30	61	ETL+ 3.4	KET06	13R
		00219	520HF	Cr 0.13	Ax 0.14	ETL+ 3.4	KET06	13R
		00219	520HF	Cr 0.13	Ax 0.14	ETL+ 3.8	KET06	13R
		00219	520HF	0.1 34	ID 76	ETL+ 3.8	KET06	13R
		00219	520HF	0.1 34	VOL	ETL+ 3.8	KET06	13R
		00219	520HF	0.1 34	ID 76	ETL+ 4.0	KET06	13R
		00219	520HF	0.1 34	VOL	ETL+ 4.0	KET06	13R
		00219	520HF	Cr 0.19	Ax 0.10	ETL+ 4.0	KET06	13R
		00219	520HF	Cr 0.19	Ax 0.14	ETL+ 5.4	KET06	13R
		00219	520HF	0.3 32	VOL	ETL+ 5.4	KET06	13R
		00219	520HF	0.3 32	ID 68	ETL+ 5.4	KET06	13R
94	71	00091	520HF	0.7 24	ID 41	ETL+ 1.5	KET12	13R
		00091	520HF	0.7 24	VOL	ETL+ 1.5	KET12	13R
		00091	520HF	Cr 0.16	Ax 0.13	ETL+ 1.5	KET12	13R
94	79	00149	520HF	0.5 27	ID 51	ETL+ 0.3	KET12	13R
		00149	520HF	Cr 0.22	Ax 0.18	ETL+ 0.3	KET12	13R
		00149	520HF	0.5 27	VOL	ETL+ 0.3	KET12	13R
94	88	00147	520HF	Cr 0.16	Ax 0.18	ETL+ 1.2	KET12	13R
		00147	520HF	0.2 20	VOL	ETL+ 1.2	KET12	13R
		00147	520HF	0.2 20	ID 29	ETL+ 1.2	KET12	13R
94	101	00147	520HF	Cr 0.12	Ax 0.11	ETL+ 0.5	KET03	13R
		00147	520HF	0.4 14	VOL	ETL+ 0.5	KET03	13R
		00147	520HF	0.4 14	ID 16	ETL+ 0.5	KET03	13R
		00147	520HF	1.2 28	ID 52	ETL+ 0.9	KET03	13R
		00147	520HF	0.2 34	ARC	ETL+ 0.9	KET03	13R
		00147	520HF	1.2 28	SCI	ETL+ 0.9	KET03	13R
		00183	520HF	1.6 29	PID	ETL+ 0.9	KET03	13R
		00147	520HF	0.9 20	VOL	ETL+ 1.8	KET03	13R
		00147	520HF	Cr 0.28	Ax 0.17	ETL+ 1.8	KET03	13R
		00147	520HF	0.9 20	ID 29	ETL+ 1.8	KET03	13R
96	4	00261	520HF	0.2 44	ARC	ETL+ 2.0	KET03	13R
		00261	520HF	8.8 43	SCI	ETL+ 2.0	KET03	13R
		00261	520HF	8.8 43	NT 99	ETL+ 2.0	KET03	13R
96	61	00322	520HF	0.3 18	VOL	ETL+ 1.3	SPEC-INT	13R
		00322	520HF	Cr 0.11	Ax 0.10	ETL+ 1.3	SPEC-INT	13R
		00322	520HF	0.3 18	ID 26	ETL+ 1.3	SPEC-INT	13R
		00322	520HF	Cr 0.13	Ax 0.12	ETL+ 2.0	SPEC-INT	13R
		00322	520HF	0.5 18	VOL	ETL+ 2.0	SPEC-INT	13R
		00322	520HF	0.5 18	ID 26	ETL+ 2.0	SPEC-INT	13R
		00322	520HF	Cr 0.11	Ax 0.11	ETL+ 2.6	SPEC-INT	13R
		00322	520HF	0.2 27	VOL	ETL+ 2.6	SPEC-INT	13R
		00322	520HF	0.2 27	ID 51	ETL+ 2.6	SPEC-INT	13R

THREE MILE ISLAND UNIT 1
OTSG-A
OUTAGE 13R
KINETIC EXPANSION INDICATIONS

Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00322	520HF	0.4 21	VOL	ETL+ 3.4	SPEC-INT	13R
		00322	520HF	0.4 21	ID 33	ETL+ 3.4	SPEC-INT	13R
		00322	520HF	Cr 0.11	Ax 0.12	ETL+ 3.4	SPEC-INT	13R
		00322	520HF	Cr 0.15	Ax 0.12	ETL+ 4.8	SPEC-INT	13R
		00322	520HF	0.3 18	ID 26	ETL+ 4.8	SPEC-INT	13R
		00322	520HF	0.3 18	VOL	ETL+ 4.8	SPEC-INT	13R
97	28	00219	520HF	Cr 0.19	Ax 0.10	ETL+ 1.9	KET12	13R
		00219	520HF	0.2 22	VOL	ETL+ 1.9	KET12	13R
		00219	520HF	0.2 22	ID 37	ETL+ 1.9	KET12	13R
97	33	00319	520HF	1.1 30	ID 61	ETL+ 0.7	KET22	13R
		00319	520HF	Cr 0.21	Ax 0.14	ETL+ 0.7	KET22	13R
		00319	520HF	1.1 30	VOL	ETL+ 0.7	KET22	13R
		00319	520HF	Cr 0.18	Ax 0.23	ETL+ 1.6	KET22	13R
		00319	520HF	0.3 22	ID 36	ETL+ 1.6	KET22	13R
		00319	520HF	0.3 22	VOL	ETL+ 1.6	KET22	13R
97	46	00217	520HF	Cr 0.12	Ax 0.15	ETL+ 0.5	KET06	13R
		00217	520HF	0.2 21	VOL	ETL+ 0.5	KET06	13R
		00217	520HF	0.2 21	ID 34	ETL+ 0.5	KET06	13R
		00217	520HF	Cr 0.18	Ax 0.15	ETL+ 2.2	KET06	13R
		00217	520HF	0.2 31	ID 64	ETL+ 2.2	KET06	13R
		00217	520HF	0.2 31	VOL	ETL+ 2.2	KET06	13R
		00217	520HF	0.6 30	VOL	ETL+ 2.6	KET06	13R
		00217	520HF	0.6 30	ID 60	ETL+ 2.6	KET06	13R
		00217	520HF	Cr 0.23	Ax 0.15	ETL+ 2.6	KET06	13R
97	54	00103	520HF	Cr 0.16	Ax 0.14	ETL+ 1.9	KET12	13R
		00103	520HF	0.3 21	ID 31	ETL+ 1.9	KET12	13R
		00103	520HF	0.3 21	VOL	ETL+ 1.9	KET12	13R
		00103	520HF	0.3 15	VOL	ETL+ 1.9	KET12	13R
		00103	520HF	0.3 15	ID 17	ETL+ 1.9	KET12	13R
		00103	520HF	Cr 0.16	Ax 0.12	ETL+ 1.9	KET12	13R
		00103	520HF	Cr 0.16	Ax 0.16	ETL+ 3.2	KET12	13R
		00103	520HF	0.4 22	ID 34	ETL+ 3.2	KET12	13R
		00103	520HF	0.4 22	VOL	ETL+ 3.2	KET12	13R
		00103	520HF	0.3 17	VOL	ETL+ 4.1	KET12	13R
		00103	520HF	Cr 0.16	Ax 0.16	ETL+ 4.1	KET12	13R
		00103	520HF	0.3 17	ID 22	ETL+ 4.1	KET12	13R
		00103	520HF	Cr 0.16	Ax 0.14	ETL+ 4.7	KET12	13R
		00103	520HF	0.5 14	VOL	ETL+ 4.7	KET12	13R
		00103	520HF	0.5 14	ID 16	ETL+ 4.7	KET12	13R
97	57	00103	520HF	0.1 17	VOL	ETL+ 2.5	KET12	13R
		00103	520HF	Cr 0.16	Ax 0.17	ETL+ 2.5	KET12	13R
		00103	520HF	0.1 17	22	ETL+ 2.5	KET12	13R
		00103	520HF	0.2 16	ID 19	ETL+ 2.6	KET12	13R
		00103	520HF	Cr 0.18	Ax 0.13	ETL+ 2.6	KET12	13R
		00103	520HF	0.2 16	VOL	ETL+ 2.6	KET12	13R
		00103	520HF	0.3 10	ID 9	ETL+ 5.0	KET12	13R
		00103	520HF	Cr 0.16	Ax 0.12	ETL+ 5.0	KET12	13R
		00103	520HF	0.3 10	VOL	ETL+ 5.0	KET12	13R
97	58	00105	520HF	Cr 0.16	Ax 0.15	ETL+ 2.7	KET12	13R
		00105	520HF	0.4 16	ID 21	ETL+ 2.7	KET12	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00105	520HF	0.4 16	VOL	ETL+ 2.7	KET12	13R
97	60	00189	520HF	0.1 20	31	ETL+ 0.1	KET12	13R
		00189	520HF	Cr 0.11	Ax 0.11	ETL+ 0.1	KET12	13R
		00189	520HF	0.1 20	VOL	ETL+ 0.1	KET12	13R
		00189	520HF	Cr 0.11	Ax 0.11	ETL+ 1.5	KET12	13R
		00189	520HF	1.2 14	ID 18	ETL+ 1.5	KET12	13R
		00189	520HF	0.2 10	VOL	ETL+ 1.5	KET12	13R
		00189	520HF	2.3 11	ID 12	ETL+ 3.0	KET12	13R
		00189	520HF	Cr 0.11	Ax 0.11	ETL+ 3.0	KET12	13R
		00189	520HF	2.3 11	VOL	ETL+ 3.0	KET12	13R
97	62	00105	520HF	0.4 10	VOL	ETL+ 1.6	KET12	13R
		00105	520HF	0.4 10	ID 10	ETL+ 1.6	KET12	13R
		00105	520HF	Cr 0.16	Ax 0.16	ETL+ 1.6	KET12	13R
97	70	00105	520HF	0.3 2	VOL	ETL+ 0.6	KET12	13R
		00105	520HF	0.3 2	ID 2	ETL+ 0.6	KET12	13R
		00105	520HF	Cr 0.16	Ax 0.10	ETL+ 0.6	KET12	13R
97	86	00139	520HF	0.3 11	ID 10	ETL+ 2.8	KET12	13R
		00139	520HF	Cr 0.06	Ax 0.08	ETL+ 2.8	KET12	13R
		00139	520HF	0.3 11	VOL	ETL+ 2.8	KET12	13R
97	95	00141	520HF	0.6 14	ID 19	ETL+ 2.4	KET12	13R
		00141	520HF	0.6 14	VOL	ETL+ 2.4	KET12	13R
		00141	520HF	Cr 0.16	Ax 0.14	ETL+ 2.4	KET12	13R
97	115	00271	520HF	0.2 27	ID 49	ETL+ 0.9	KET03	13R
		00271	520HF	Cr 0.10	Ax 0.11	ETL+ 0.9	KET03	13R
		00271	520HF	0.2 27	VOL	ETL+ 0.9	KET03	13R
98	4	00261	520HF	0.2 45	ARC	ETL+ 1.5	KET03	13R
		00261	520HF	2.6 31	ID 62	ETL+ 1.5	KET03	13R
		00261	520HF	2.6 31	SCI	ETL+ 1.5	KET03	13R
99	25	00217	520HF	0.1 29	ID 57	ETL+ 2.5	KET06	13R
		00217	520HF	0.1 29	VOL	ETL+ 2.5	KET06	13R
		00217	520HF	Cr 0.17	Ax 0.10	ETL+ 2.5	KET06	13R
		00217	520HF	Cr 0.17	Ax 0.15	ETL+ 3.9	KET06	13R
		00217	520HF	0.6 22	ID 36	ETL+ 3.9	KET06	13R
		00217	520HF	0.6 22	VOL	ETL+ 3.9	KET06	13R
99	28	00219	520HF	0.3 26	ID 49	ETL+ 0.9	KET12	13R
		00219	520HF	Cr 0.13	Ax 0.15	ETL+ 0.9	KET12	13R
		00219	520HF	0.3 26	VOL	ETL+ 0.9	KET12	13R
		00219	520HF	Cr 0.19	Ax 0.15	ETL+ 3.3	KET12	13R
		00219	520HF	0.4 18	ID 27	ETL+ 3.3	KET12	13R
		00219	520HF	0.4 18	VOL	ETL+ 3.3	KET12	13R
99	29	00217	520HF	1.2 31	VOL	ETL+ 0.5	KET12	13R
		00217	520HF	1.2 31	ID 64	ETL+ 0.5	KET12	13R
		00217	520HF	Cr 0.23	Ax 0.15	ETL+ 0.5	KET12	13R
		00217	520HF	0.3 25	VOL	ETL+ 1.4	KET12	13R
		00217	520HF	0.3 25	ID 45	ETL+ 1.4	KET12	13R
		00217	520HF	Cr 0.18	Ax 0.15	ETL+ 1.4	KET12	13R
		00217	520HF	0.6 29	ID 57	ETL+ 2.2	KET12	13R
		00217	520HF	Cr 0.18	Ax 0.10	ETL+ 2.2	KET12	13R
		00217	520HF	0.6 29	VOL	ETL+ 2.2	KET12	13R
		00217	520HF	0.4 18	ID 26	ETL+ 2.4	KET12	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00217	520HF	0.4 18	VOL	ETL+ 2.4	KET12	13R
		00217	520HF	Cr 0.18	Ax 0.15	ETL+ 2.4	KET12	13R
		00217	520HF	0.2 27	ARC	ETL+ 2.7	KET12	13R
		00217	520HF	0.9 30	ID 60	ETL+ 2.7	KET12	13R
		00217	520HF	0.9 30	SCI	ETL+ 2.7	KET12	13R
		00398	520HF	3.4 48	PID	ETL+ 2.7	KET12	13R
		00217	520HF	4.0 44	NT 98	ETL+ 2.7	KET12	13R
		00217	520HF	0.2 44	ARC	ETL+ 2.7	KET12	13R
		00217	520HF	4.0 44	SCI	ETL+ 2.7	KET12	13R
		00217	520HF	0.2 27	ARC	ETL+ 3.0	KET12	13R
		00217	520HF	0.5 24	ID 42	ETL+ 3.0	KET12	13R
		00217	520HF	0.5 24	SCI	ETL+ 3.0	KET12	13R
		00217	520HF	0.4 29	ID 57	ETL+ 4.1	KET12	13R
		00217	520HF	Cr 0.18	Ax 0.20	ETL+ 4.1	KET12	13R
		00217	520HF	0.4 29	VOL	ETL+ 4.1	KET12	13R
		00217	520HF	0.6 31	ID 64	ETL+ 4.5	KET12	13R
		00217	520HF	0.6 31	VOL	ETL+ 4.5	KET12	13R
		00217	520HF	Cr 0.12	Ax 0.15	ETL+ 4.5	KET12	13R
		00217	520HF	Cr 0.18	Ax 0.10	ETL+ 4.9	KET12	13R
		00217	520HF	0.3 22	VOL	ETL+ 4.9	KET12	13R
		00217	520HF	0.3 22	ID 36	ETL+ 4.9	KET12	13R
		00217	520HF	Cr 0.18	Ax 0.10	ETL+ 5.2	KET12	13R
		00217	520HF	0.5 30	VOL	ETL+ 5.2	KET12	13R
		00217	520HF	0.5 30	ID 60	ETL+ 5.2	KET12	13R
		00217	520HF	Cr 0.23	Ax 0.15	ETL+ 5.9	KET12	13R
		00217	520HF	0.7 24	VOL	ETL+ 5.9	KET12	13R
		00217	520HF	0.7 24	ID 42	ETL+ 5.9	KET12	13R
		00217	520HF	0.2 33	ARC	ETL+ 7.5	KET12	13R
		00217	520HF	0.7 24	SCI	ETL+ 7.5	KET12	13R
		00217	520HF	0.7 24	ID 42	ETL+ 7.5	KET12	13R
		00217	520HF	0.2 33	ARC	ETL+ 7.7	KET12	13R
		00217	520HF	1.4 39	SCI	ETL+ 7.7	KET12	13R
		00217	520HF	1.4 39	NT 95	ETL+ 7.7	KET12	13R
99	32	00219	520HF	0.3 20	ID 32	ETL+ 1.2	KET12	13R
		00219	520HF	0.3 20	VOL	ETL+ 1.2	KET12	13R
		00219	520HF	Cr 0.23	Ax 0.19	ETL+ 1.2	KET12	13R
99	47	00217	520HF	Cr 0.12	Ax 0.10	ETL+ 0.8	KET03	13R
		00217	520HF	0.2 14	ID 18	ETL+ 0.8	KET03	13R
		00217	520HF	0.2 14	VOL	ETL+ 0.8	KET03	13R
99	58	00103	520HF	0.3 18	ID 24	ETL+ 1.3	KET03	13R
		00103	520HF	0.3 18	VOL	ETL+ 1.3	KET03	13R
		00103	520HF	Cr 0.16	Ax 0.16	ETL+ 1.3	KET03	13R
		00103	520HF	0.8 16	ID 19	ETL+ 3.1	KET03	13R
		00103	520HF	0.8 16	VOL	ETL+ 3.1	KET03	13R
		00103	520HF	Cr 0.22	Ax 0.21	ETL+ 3.1	KET03	13R
		00103	520HF	Cr 0.22	Ax 0.21	ETL+ 4.0	KET03	13R
		00103	520HF	0.5 16	ID 19	ETL+ 4.0	KET03	13R
		00103	520HF	0.5 16	VOL	ETL+ 4.0	KET03	13R
99	60	00103	520HF	0.4 14	VOL	ETL+ 0.2	KET12	13R
		00103	520HF	Cr 0.16	Ax 0.11	ETL+ 0.2	KET12	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00103	520HF	0.4 14	ID 16	ETL+ 0.2	KET12	13R
		00103	520HF	0.2 20	VOL	ETL+ 1.2	KET12	13R
		00103	520HF	Cr 0.16	Ax 0.11	ETL+ 1.2	KET12	13R
		00103	520HF	0.2 20	ID 29	ETL+ 1.2	KET12	13R
		00103	520HF	Cr 0.14	Ax 0.12	ETL+ 2.6	KET12	13R
		00103	520HF	0.3 7	ID 5	ETL+ 2.6	KET12	13R
		00103	520HF	0.3 7	VOL	ETL+ 2.6	KET12	13R
		00103	520HF	Cr 0.11	Ax 0.11	ETL+ 4.6	KET12	13R
		00103	520HF	0.1 19	VOL	ETL+ 4.6	KET12	13R
		00103	520HF	0.1 19	26	ETL+ 4.6	KET12	13R
		00103	520HF	0.2 13	ID 14	ETL+ 4.9	KET12	13R
		00103	520HF	Cr 0.11	Ax 0.11	ETL+ 4.9	KET12	13R
		00103	520HF	0.2 13	VOL	ETL+ 4.9	KET12	13R
99	68	00103	520HF	0.3 15	VOL	ETL+ 3.3	KET12	13R
		00103	520HF	Cr 0.16	Ax 0.19	ETL+ 3.3	KET12	13R
		00103	520HF	0.3 15	ID 17	ETL+ 3.3	KET12	13R
		00103	520HF	0.4 16	ID 19	ETL+ 3.6	KET12	13R
		00103	520HF	0.4 16	VOL	ETL+ 3.6	KET12	13R
		00103	520HF	Cr 0.16	Ax 0.12	ETL+ 3.6	KET12	13R
99	91	00139	520HF	0.3 16	VOL	ETL+ 1.9	KET12	13R
		00139	520HF	Cr 0.06	Ax 0.08	ETL+ 1.9	KET12	13R
		00139	520HF	0.3 16	ID 19	ETL+ 1.9	KET12	13R
99	101	00183	520HF	0.5 21	ID 33	ETL+ 0.2	KET12	13R
		00183	520HF	Cr 0.21	Ax 0.18	ETL+ 0.2	KET12	13R
		00183	520HF	0.5 21	VOL	ETL+ 0.2	KET12	13R
99	107	00183	520HF	Cr 0.18	Ax 0.19	ETL+ 2.7	KET12	13R
		00183	520HF	0.3 12	ID 14	ETL+ 2.7	KET12	13R
		00183	520HF	0.3 12	VOL	ETL+ 2.7	KET12	13R
99	120	00271	520HF	0.4 17	VOL	ETL+ 1.6	KET12	13R
		00271	520HF	0.4 17	ID 22	ETL+ 1.6	KET12	13R
		00271	520HF	Cr 0.15	Ax 0.11	ETL+ 1.6	KET12	13R
100	32	00217	520HF	Cr 0.18	Ax 0.20	ETL+ 0.7	KET03	13R
		00217	520HF	0.3 19	VOL	ETL+ 0.7	KET03	13R
		00217	520HF	0.3 19	ID 29	ETL+ 0.7	KET03	13R
		00217	520HF	0.1 45	NT 98	ETL+ 1.6	KET03	13R
		00217	520HF	0.1 45	VOL	ETL+ 1.6	KET03	13R
		00217	520HF	Cr 0.18	Ax 0.20	ETL+ 1.6	KET03	13R
		00217	520HF	0.2 23	VOL	ETL+ 2.7	KET03	13R
		00217	520HF	0.2 23	ID 39	ETL+ 2.7	KET03	13R
		00217	520HF	Cr 0.12	Ax 0.15	ETL+ 2.7	KET03	13R
		00217	520HF	0.4 24	ID 42	ETL+ 4.7	KET03	13R
		00217	520HF	0.4 24	VOL	ETL+ 4.7	KET03	13R
		00217	520HF	Cr 0.23	Ax 0.15	ETL+ 4.7	KET03	13R
100	51	00289	520HF	Cr 0.14	Ax 0.10	ETL+ 0.7	SPEC-INT	13R
		00289	520HF	0.2 17	VOL	ETL+ 0.7	SPEC-INT	13R
		00289	520HF	0.2 17	ID 24	ETL+ 0.7	SPEC-INT	13R
101	17	00213	520HF	0.6 23	SCI	ETL+ 1.7	KET12	13R
		00213	520HF	0.6 23	ID 36	ETL+ 1.7	KET12	13R
		00213	520HF	0.2 35	ARC	ETL+ 1.7	KET12	13R
101	24	00319	520HF	0.2 19	VOL	ETL+ 2.9	KET06	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00319	520HF	Cr 0.19	Ax 0.15	ETL+ 2.9	KET06	13R
		00319	520HF	0.2 19	ID 28	ETL+ 2.9	KET06	13R
101	27	00213	520HF	0.4 13	ID 14	ETL+ 3.2	KET03	13R
		00213	520HF	0.4 13	SCI	ETL+ 3.2	KET03	13R
		00213	520HF	0.2 29	ARC	ETL+ 3.2	KET03	13R
101	29	00213	520HF	Cr 0.16	Ax 0.16	ETL+ 0.3	KET12	13R
		00213	520HF	0.5 21	ID 31	ETL+ 0.3	KET12	13R
		00213	520HF	0.5 21	VOL	ETL+ 0.3	KET12	13R
101	43	00217	520HF	Cr 0.17	Ax 0.10	ETL+ 0.8	KET12	13R
		00217	520HF	0.3 15	VOL	ETL+ 0.8	KET12	13R
		00217	520HF	0.3 15	ID 20	ETL+ 0.8	KET12	13R
101	47	00217	520HF	0.4 16	VOL	ETL+ 1.3	KET12	13R
		00217	520HF	Cr 0.18	Ax 0.15	ETL+ 1.3	KET12	13R
		00217	520HF	0.4 16	ID 22	ETL+ 1.3	KET12	13R
		00217	520HF	Cr 0.12	Ax 0.10	ETL+ 1.6	KET12	13R
		00217	520HF	0.3 27	ID 51	ETL+ 1.6	KET12	13R
		00217	520HF	0.3 27	VOL	ETL+ 1.6	KET12	13R
101	51	00217	520HF	0.0 0	PRA	ETL+ 1.4	KET06	13R
		00289	520HF	0.4 16	ID 22	ETL+ 1.4	KET06	13R
		00289	520HF	0.4 16	VOL	ETL+ 1.4	KET06	13R
		00289	520HF	Cr 0.19	Ax 0.15	ETL+ 1.4	KET06	13R
101	66	00107	520HF	0.2 8	VOL	ETL+ 3.2	KET12	13R
		00107	520HF	Cr 0.13	Ax 0.09	ETL+ 3.2	KET12	13R
		00107	520HF	0.2 8	ID 7	ETL+ 3.2	KET12	13R
		00107	520HF	Cr 0.19	Ax 0.19	ETL+ 3.7	KET12	13R
		00107	520HF	0.7 24	VOL	ETL+ 3.7	KET12	13R
		00107	520HF	0.7 24	ID 41	ETL+ 3.7	KET12	13R
101	70	00107	520HF	0.3 15	VOL	ETL+ 0.4	KET12	13R
		00107	520HF	0.3 15	ID 19	ETL+ 0.4	KET12	13R
		00107	520HF	Cr 0.06	Ax 0.09	ETL+ 0.4	KET12	13R
101	90	00141	520HF	0.2 18	ID 27	ETL+ 1.7	KET06	13R
		00141	520HF	0.2 18	VOL	ETL+ 1.7	KET06	13R
		00141	520HF	Cr 0.16	Ax 0.14	ETL+ 1.7	KET06	13R
		00141	520HF	Cr 0.16	Ax 0.14	ETL+ 3.4	KET06	13R
		00141	520HF	0.3 24	VOL	ETL+ 3.4	KET06	13R
		00141	520HF	0.3 24	ID 43	ETL+ 3.4	KET06	13R
		00141	520HF	Cr 0.16	Ax 0.14	ETL+ 3.6	KET06	13R
		00141	520HF	0.2 10	VOL	ETL+ 3.6	KET06	13R
		00141	520HF	0.2 10	ID 12	ETL+ 3.6	KET06	13R
		00141	520HF	0.3 18	VOL	ETL+ 4.9	KET06	13R
		00141	520HF	0.3 18	ID 27	ETL+ 4.9	KET06	13R
		00141	520HF	Cr 0.16	Ax 0.14	ETL+ 4.9	KET06	13R
		00141	520HF	0.3 25	ID 46	ETL+ 5.2	KET06	13R
		00141	520HF	Cr 0.21	Ax 0.14	ETL+ 5.2	KET06	13R
		00141	520HF	0.3 25	VOL	ETL+ 5.2	KET06	13R
103	4	00263	520HF	0.3 15	ID 21	ETL+ 1.3	KET06	13R
		00263	520HF	0.3 15	VOL	ETL+ 1.3	KET06	13R
		00263	520HF	Cr 0.23	Ax 0.13	ETL+ 1.3	KET06	13R
103	21	00213	520HF	Cr 0.16	Ax 0.16	ETL+ 1.3	KET12	13R
		00213	520HF	0.2 18	ID 24	ETL+ 1.3	KET12	13R

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OTSG-A
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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00213	520HF	0.2 18	VOL	ETL+ 1.3	KET12	13R
103	28	00203	520HF	0.7 9	ID 8	ETL+ 0.2	KET12	13R
		00203	520HF	Cr 0.13	Ax 0.14	ETL+ 0.2	KET12	13R
		00203	520HF	0.7 9	VOL	ETL+ 0.2	KET12	13R
		00203	520HF	0.5 23	ID 36	ETL+ 2.3	KET12	13R
		00203	520HF	Cr 0.13	Ax 0.14	ETL+ 2.3	KET12	13R
		00203	520HF	0.5 23	VOL	ETL+ 2.3	KET12	13R
		00203	520HF	Cr 0.13	Ax 0.05	ETL+ 2.9	KET12	13R
		00203	520HF	0.6 24	ID 39	ETL+ 2.9	KET12	13R
		00203	520HF	0.6 24	VOL	ETL+ 2.9	KET12	13R
103	32	00319	520HF	0.3 20	ID 31	ETL+ 0.6	KET03	13R
		00319	520HF	Cr 0.19	Ax 0.15	ETL+ 0.6	KET03	13R
		00319	520HF	0.3 20	VOL	ETL+ 0.6	KET03	13R
		00319	520HF	Cr 0.19	Ax 0.20	ETL+ 1.9	KET03	13R
		00319	520HF	0.3 16	ID 22	ETL+ 1.9	KET03	13R
		00319	520HF	0.3 16	VOL	ETL+ 1.9	KET03	13R
103	34	00203	520HF	0.6 8	ID 6	ETL+ 1.3	KET12	13R
		00203	520HF	Cr 0.19	Ax 0.14	ETL+ 1.3	KET12	13R
		00203	520HF	0.6 8	VOL	ETL+ 1.3	KET12	13R
		00203	520HF	Cr 0.19	Ax 0.14	ETL+ 1.8	KET12	13R
		00203	520HF	1.0 27	ID 49	ETL+ 1.8	KET12	13R
		00203	520HF	1.0 27	VOL	ETL+ 1.8	KET12	13R
		00203	520HF	Cr 0.13	Ax 0.14	ETL+ 4.0	KET12	13R
		00203	520HF	0.2 15	VOL	ETL+ 4.0	KET12	13R
		00203	520HF	0.2 15	ID 17	ETL+ 4.0	KET12	13R
		00203	520HF	0.4 3	VOL	ETL+ 4.8	KET12	13R
		00203	520HF	Cr 0.16	Ax 0.14	ETL+ 4.8	KET12	13R
		00203	520HF	0.4 3	ID 2	ETL+ 4.8	KET12	13R
103	43	00319	520HF	0.3 23	VOL	ETL+ 1.2	KET12	13R
		00319	520HF	Cr 0.23	Ax 0.21	ETL+ 1.2	KET12	13R
		00319	520HF	0.3 23	ID 39	ETL+ 1.2	KET12	13R
103	50	00203	520HF	Cr 0.13	Ax 0.14	ETL+ 2.9	KET12	13R
		00203	520HF	0.3 20	ID 29	ETL+ 2.9	KET12	13R
		00203	520HF	0.3 20	VOL	ETL+ 2.9	KET12	13R
103	55	00117	520HF	Cr 0.18	Ax 0.13	ETL+ 2.2	KET12	13R
		00117	520HF	0.2 11	ID 13	ETL+ 2.2	KET12	13R
		00117	520HF	0.2 11	VOL	ETL+ 2.2	KET12	13R
		00117	520HF	0.2 17	VOL	ETL+ 2.9	KET12	13R
		00117	520HF	0.2 17	ID 25	ETL+ 2.9	KET12	13R
		00117	520HF	Cr 0.18	Ax 0.13	ETL+ 2.9	KET12	13R
		00117	520HF	0.2 18	VOL	ETL+ 4.0	KET12	13R
		00117	520HF	0.2 18	ID 27	ETL+ 4.0	KET12	13R
		00117	520HF	Cr 0.12	Ax 0.13	ETL+ 4.0	KET12	13R
103	56	00115	520HF	0.2 10	VOL	ETL+ 2.8	KET06	13R
		00115	520HF	0.2 10	ID 10	ETL+ 2.8	KET06	13R
		00115	520HF	Cr 0.12	Ax 0.16	ETL+ 2.8	KET06	13R
103	57	00117	520HF	Cr 0.18	Ax 0.21	ETL+ 0.5	KET12	13R
		00117	520HF	0.3 13	VOL	ETL+ 0.5	KET12	13R
		00117	520HF	0.3 13	ID 17	ETL+ 0.5	KET12	13R
103	60	00115	520HF	0.4 20	ID 30	ETL+ 1.6	KET12	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00115	520HF	0.4 20	VOL	ETL+ 1.6	KET12	13R
		00115	520HF	Cr 0.12	Ax 0.12	ETL+ 1.6	KET12	13R
		00115	520HF	Cr 0.06	Ax 0.12	ETL+ 3.8	KET12	13R
		00115	520HF	0.3 20	ID 30	ETL+ 3.8	KET12	13R
		00115	520HF	0.3 20	VOL	ETL+ 3.8	KET12	13R
103	66	00117	520HF	0.3 21	ID 35	ETL+ 2.8	KET12	13R
		00117	520HF	Cr 0.18	Ax 0.13	ETL+ 2.8	KET12	13R
		00117	520HF	0.3 21	VOL	ETL+ 2.8	KET12	13R
103	69	00107	520HF	0.6 28	VOL	ETL+ 0.8	KET06	13R
		00107	520HF	0.6 28	ID 53	ETL+ 0.8	KET06	13R
		00107	520HF	Cr 0.19	Ax 0.14	ETL+ 0.8	KET06	13R
		00107	520HF	0.4 23	ID 38	ETL+ 1.5	KET06	13R
		00107	520HF	Cr 0.19	Ax 0.14	ETL+ 1.5	KET06	13R
		00107	520HF	0.4 23	VOL	ETL+ 1.5	KET06	13R
		00107	520HF	0.7 27	ID 50	ETL+ 1.7	KET06	13R
		00107	520HF	Cr 0.19	Ax 0.14	ETL+ 1.7	KET06	13R
		00107	520HF	0.7 27	VOL	ETL+ 1.7	KET06	13R
		00107	520HF	Cr 0.19	Ax 0.09	ETL+ 4.4	KET06	13R
		00107	520HF	0.3 18	VOL	ETL+ 4.4	KET06	13R
		00107	520HF	0.3 18	ID 25	ETL+ 4.4	KET06	13R
103	91	00139	520HF	Cr 0.09	Ax 0.12	ETL+ 2.7	KET12	13R
		00139	520HF	0.2 12	VOL	ETL+ 2.7	KET12	13R
		00139	520HF	0.2 12	ID 12	ETL+ 2.7	KET12	13R
		00139	520HF	1.4 30	VOL	ETL+ 3.8	KET12	13R
		00139	520HF	Cr 0.24	Ax 0.16	ETL+ 3.8	KET12	13R
		00139	520HF	1.4 30	ID 59	ETL+ 3.8	KET12	13R
103	93	00139	520HF	1.0 26	ID 45	ETL+ 0.9	KET12	13R
		00139	520HF	Cr 0.19	Ax 0.15	ETL+ 0.9	KET12	13R
		00139	520HF	1.0 26	VOL	ETL+ 0.9	KET12	13R
105	14	00203	520HF	0.3 8	VOL	ETL+ 0.1	KET03	13R
		00203	520HF	Cr 0.13	Ax 0.09	ETL+ 0.1	KET03	13R
		00203	520HF	0.3 8	ID 6	ETL+ 0.1	KET03	13R
105	71	00115	520HF	0.0 0	INF	ETL+ 1.8	KET03	13R
106	24	00319	520HF	0.4 30	ID 61	ETL+ 3.0	KET12	13R
		00319	520HF	0.4 30	VOL	ETL+ 3.0	KET12	13R
		00319	520HF	Cr 0.24	Ax 0.20	ETL+ 3.0	KET12	13R
106	25	00319	520HF	Cr 0.18	Ax 0.21	ETL+ 0.7	KET06	13R
		00319	520HF	0.2 19	ID 28	ETL+ 0.7	KET06	13R
		00319	520HF	0.2 19	VOL	ETL+ 0.7	KET06	13R
		00319	520HF	0.4 15	VOL	ETL+ 1.7	KET06	13R
		00319	520HF	Cr 0.23	Ax 0.21	ETL+ 1.7	KET06	13R
		00319	520HF	0.4 15	ID 20	ETL+ 1.7	KET06	13R
		00319	520HF	0.3 21	ID 33	ETL+ 2.7	KET06	13R
		00319	520HF	0.3 21	VOL	ETL+ 2.7	KET06	13R
		00319	520HF	Cr 0.23	Ax 0.21	ETL+ 2.7	KET06	13R
106	36	00319	520HF	0.4 23	VOL	ETL+ 1.3	KET12	13R
		00319	520HF	Cr 0.23	Ax 0.21	ETL+ 1.3	KET12	13R
		00319	520HF	0.4 23	ID 39	ETL+ 1.3	KET12	13R
		00319	520HF	Cr 0.19	Ax 0.21	ETL+ 1.8	KET12	13R
		00319	520HF	0.2 11	VOL	ETL+ 1.8	KET12	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00319	520HF	0.2 11	ID 12	ETL+ 1.8	KET12	13R
106	40	00319	520HF	0.2 18	VOL	ETL+ 0.7	KET12	13R
		00319	520HF	Cr 0.14	Ax 0.15	ETL+ 0.7	KET12	13R
		00319	520HF	0.2 18	ID 26	ETL+ 0.7	KET12	13R
		00319	520HF	0.2 8	ID 8	ETL+ 1.6	KET12	13R
		00319	520HF	0.2 8	VOL	ETL+ 1.6	KET12	13R
		00319	520HF	Cr 0.14	Ax 0.15	ETL+ 1.6	KET12	13R
106	42	00319	520HF	Cr 0.19	Ax 0.20	ETL+ 0.3	KET12	13R
		00319	520HF	0.4 19	VOL	ETL+ 0.3	KET12	13R
		00319	520HF	0.4 19	ID 28	ETL+ 0.3	KET12	13R
106	45	00203	520HF	0.3 24	ID 39	ETL+ 3.0	KET12	13R
		00203	520HF	0.3 24	VOL	ETL+ 3.0	KET12	13R
		00203	520HF	Cr 0.13	Ax 0.09	ETL+ 3.0	KET12	13R
106	47	00203	520HF	Cr 0.13	Ax 0.14	ETL+ 2.2	KET06	13R
		00203	520HF	0.3 17	ID 22	ETL+ 2.2	KET06	13R
		00203	520HF	0.3 17	VOL	ETL+ 2.2	KET06	13R
106	55	00117	520HF	0.2 26	ID 49	ETL+ 1.6	KET06	13R
		00117	520HF	0.2 26	VOL	ETL+ 1.6	KET06	13R
		00117	520HF	Cr 0.18	Ax 0.13	ETL+ 1.6	KET06	13R
106	58	00115	520HF	Cr 0.12	Ax 0.12	ETL+ 2.2	KET12	13R
		00115	520HF	0.2 13	VOL	ETL+ 2.2	KET12	13R
		00115	520HF	0.2 13	ID 15	ETL+ 2.2	KET12	13R
106	72	00398	520HF	0.4 17	PID	ETL+ 1.4	SPEC-INT	13R
		00141	520HF	Cr 0.10	Ax 0.15	ETL+ 1.4	KET12	13R
		00141	520HF	0.2 24	ID 43	ETL+ 1.4	KET12	13R
		00141	520HF	0.2 24	VOL	ETL+ 1.4	KET12	13R
		00141	520HF	Cr 0.15	Ax 0.15	ETL+ 2.4	KET12	13R
		00141	520HF	0.3 18	ID 27	ETL+ 2.4	KET12	13R
		00141	520HF	0.3 18	VOL	ETL+ 2.4	KET12	13R
		00141	520HF	0.4 21	VOL	ETL+ 2.7	KET12	13R
		00141	520HF	Cr 0.15	Ax 0.15	ETL+ 2.7	KET12	13R
		00141	520HF	0.4 21	ID 35	ETL+ 2.7	KET12	13R
		00141	520HF	Cr 0.15	Ax 0.15	ETL+ 2.8	KET12	13R
		00141	520HF	0.2 20	VOL	ETL+ 2.8	KET12	13R
		00141	520HF	0.2 20	ID 32	ETL+ 2.8	KET12	13R
		00141	520HF	Cr 0.15	Ax 0.10	ETL+ 2.9	KET12	13R
		00141	520HF	0.3 17	VOL	ETL+ 2.9	KET12	13R
		00141	520HF	0.3 17	ID 25	ETL+ 2.9	KET12	13R
		00141	520HF	0.2 24	VOL	ETL+ 3.0	KET12	13R
		00141	520HF	Cr 0.15	Ax 0.15	ETL+ 3.0	KET12	13R
		00141	520HF	0.2 24	ID 43	ETL+ 3.0	KET12	13R
		00141	520HF	0.2 12	VOL	ETL+ 3.3	KET12	13R
		00141	520HF	Cr 0.21	Ax 0.15	ETL+ 3.3	KET12	13R
		00141	520HF	0.2 12	ID 15	ETL+ 3.3	KET12	13R
		00141	520HF	Cr 0.15	Ax 0.15	ETL+ 3.3	KET12	13R
		00141	520HF	0.5 20	VOL	ETL+ 3.3	KET12	13R
		00141	520HF	0.5 20	ID 32	ETL+ 3.3	KET12	13R
106	86	00141	520HF	0.3 16	VOL	ETL+ 1.8	KET06	13R
		00141	520HF	Cr 0.21	Ax 0.15	ETL+ 1.8	KET06	13R
		00141	520HF	0.3 16	ID 23	ETL+ 1.8	KET06	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
108	24	00207	520HF	0.4 13	ID 17	ETL+ 2.0	KET12	13R
		00207	520HF	Cr 0.13	Ax 0.10	ETL+ 2.0	KET12	13R
		00207	520HF	0.4 13	VOL	ETL+ 2.0	KET12	13R
108	40	00319	520HF	0.5 27	VOL	ETL+ 1.7	KET12	13R
		00319	520HF	0.5 27	ID 51	ETL+ 1.7	KET12	13R
		00319	520HF	Cr 0.19	Ax 0.15	ETL+ 1.7	KET12	13R
108	50	00115	520HF	0.3 10	ID 10	ETL+ 0.4	KET12	13R
		00115	520HF	0.3 10	VOL	ETL+ 0.4	KET12	13R
		00115	520HF	Cr 0.12	Ax 0.12	ETL+ 0.4	KET12	13R
		00115	520HF	0.3 11	VOL	ETL+ 1.6	KET12	13R
		00115	520HF	0.3 11	ID 12	ETL+ 1.6	KET12	13R
		00115	520HF	Cr 0.18	Ax 0.20	ETL+ 1.6	KET12	13R
108	52	00115	520HF	Cr 0.12	Ax 0.12	ETL+ 2.2	KET12	13R
		00115	520HF	0.2 12	VOL	ETL+ 2.2	KET12	13R
		00115	520HF	0.2 12	ID 13	ETL+ 2.2	KET12	13R
108	65	00117	520HF	0.3 14	VOL	ETL+ 2.0	KET03	13R
		00117	520HF	Cr 0.18	Ax 0.13	ETL+ 2.0	KET03	13R
		00117	520HF	0.3 14	ID 19	ETL+ 2.0	KET03	13R
		00117	520HF	Cr 0.18	Ax 0.13	ETL+ 2.3	KET03	13R
		00117	520HF	0.2 11	VOL	ETL+ 2.3	KET03	13R
		00117	520HF	0.2 11	ID 13	ETL+ 2.3	KET03	13R
		00117	520HF	0.2 17	VOL	ETL+ 3.8	KET03	13R
		00117	520HF	0.2 17	ID 25	ETL+ 3.8	KET03	13R
		00117	520HF	Cr 0.18	Ax 0.13	ETL+ 3.8	KET03	13R
		00117	520HF	0.4 27	ID 52	ETL+ 4.1	KET03	13R
		00117	520HF	Cr 0.24	Ax 0.17	ETL+ 4.1	KET03	13R
		00117	520HF	0.4 27	VOL	ETL+ 4.1	KET03	13R
108	86	00141	520HF	0.4 31	VOL	ETL+ 1.4	KET12	13R
		00141	520HF	Cr 0.15	Ax 0.10	ETL+ 1.4	KET12	13R
		00141	520HF	0.4 31	ID 65	ETL+ 1.4	KET12	13R
		00141	520HF	0.3 14	ID 19	ETL+ 1.9	KET12	13R
		00141	520HF	0.3 14	VOL	ETL+ 1.9	KET12	13R
		00141	520HF	Cr 0.15	Ax 0.15	ETL+ 1.9	KET12	13R
		00141	520HF	0.2 11	ID 13	ETL+ 3.6	KET12	13R
		00141	520HF	0.2 11	VOL	ETL+ 3.6	KET12	13R
		00141	520HF	Cr 0.15	Ax 0.15	ETL+ 3.6	KET12	13R
		00141	520HF	0.4 19	ID 30	ETL+ 4.8	KET12	13R
		00141	520HF	0.4 19	VOL	ETL+ 4.8	KET12	13R
		00141	520HF	Cr 0.15	Ax 0.20	ETL+ 4.8	KET12	13R
		00141	520HF	Cr 0.10	Ax 0.10	ETL+ 6.8	KET12	13R
		00141	520HF	0.2 10	VOL	ETL+ 6.8	KET12	13R
		00141	520HF	0.2 10	ID 12	ETL+ 6.8	KET12	13R
		00141	520HF	0.4 24	ID 43	ETL+ 7.3	KET12	13R
		00141	520HF	Cr 0.20	Ax 0.20	ETL+ 7.3	KET12	13R
		00141	520HF	0.4 24	VOL	ETL+ 7.3	KET12	13R
108	107	00183	520HF	0.4 25	ID 38	ETL+ 0.0	KET06	13R
		00183	520HF	Cr 0.26	Ax 0.06	ETL+ 0.0	KET06	13R
		00183	520HF	0.4 25	VOL	ETL+ 0.0	KET06	13R
		00183	520HF	Cr 0.21	Ax 0.12	ETL+ 3.5	KET06	13R
		00183	520HF	0.3 28	VOL	ETL+ 3.5	KET06	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00183	520HF	0.3 28	ID 53	ETL+ 3.5	KET06	13R
108	110	00183	520HF	0.2 21	ID 28	ETL+ 0.1	KET12	13R
		00183	520HF	0.2 21	VOL	ETL+ 0.1	KET12	13R
		00183	520HF	Cr 0.16	Ax 0.12	ETL+ 0.1	KET12	13R
108	112	00271	520HF	0.6 17	ID 22	ETL+ 2.2	KET12	13R
		00271	520HF	0.6 17	VOL	ETL+ 2.2	KET12	13R
		00271	520HF	Cr 0.26	Ax 0.22	ETL+ 2.2	KET12	13R
		00271	520HF	Cr 0.10	Ax 0.11	ETL+ 5.5	KET12	13R
		00271	520HF	0.4 18	ID 24	ETL+ 5.5	KET12	13R
		00271	520HF	0.4 18	VOL	ETL+ 5.5	KET12	13R
108	117	00271	520HF	0.2 11	ID 10	ETL+ 1.6	KET06	13R
		00271	520HF	Cr 0.10	Ax 0.17	ETL+ 1.6	KET06	13R
		00271	520HF	0.2 11	VOL	ETL+ 1.6	KET06	13R
110	5	00261	520HF	2.1 29	ID 55	ETL+ 2.4	KET03	13R
		00261	520HF	Cr 0.22	Ax 0.16	ETL+ 2.4	KET03	13R
		00261	520HF	2.1 29	VOL	ETL+ 2.4	KET03	13R
110	25	00203	520HF	0.9 25	VOL	ETL+ 2.4	KET03	13R
		00203	520HF	Cr 0.21	Ax 0.13	ETL+ 2.4	KET03	13R
		00203	520HF	0.9 25	ID 42	ETL+ 2.4	KET03	13R
		00203	520HF	3.1 34	ID 74	ETL+ 3.0	KET03	13R
		00203	520HF	0.2 39	ARC	ETL+ 3.0	KET03	13R
		00203	520HF	3.1 34	SCI	ETL+ 3.0	KET03	13R
110	27	00203	520HF	0.5 13	ID 14	ETL+ 0.2	KET03	13R
		00203	520HF	0.5 13	VOL	ETL+ 0.2	KET03	13R
		00203	520HF	Cr 0.20	Ax 0.13	ETL+ 0.2	KET03	13R
		00203	520HF	Cr 0.20	Ax 0.13	ETL+ 0.6	KET03	13R
		00203	520HF	0.9 15	VOL	ETL+ 0.6	KET03	13R
		00203	520HF	0.9 15	ID 17	ETL+ 0.6	KET03	13R
		00203	520HF	0.9 23	VOL	ETL+ 1.8	KET03	13R
		00203	520HF	0.9 23	ID 36	ETL+ 1.8	KET03	13R
		00203	520HF	Cr 0.20	Ax 0.13	ETL+ 1.8	KET03	13R
		00203	520HF	Cr 0.13	Ax 0.13	ETL+ 4.0	KET03	13R
		00203	520HF	0.3 15	ID 17	ETL+ 4.0	KET03	13R
		00203	520HF	0.3 15	VOL	ETL+ 4.0	KET03	13R
		00203	520HF	0.3 22	ID 34	ETL+ 4.5	KET03	13R
		00203	520HF	0.3 22	VOL	ETL+ 4.5	KET03	13R
		00203	520HF	Cr 0.13	Ax 0.13	ETL+ 4.5	KET03	13R
		00203	520HF	0.7 25	VOL	ETL+ 4.8	KET03	13R
		00203	520HF	Cr 0.20	Ax 0.13	ETL+ 4.8	KET03	13R
		00203	520HF	0.7 25	ID 42	ETL+ 4.8	KET03	13R
110	39	00203	520HF	0.4 17	VOL	ETL+ 2.6	KET03	13R
		00203	520HF	Cr 0.13	Ax 0.13	ETL+ 2.6	KET03	13R
		00203	520HF	0.4 17	ID 22	ETL+ 2.6	KET03	13R
		00203	520HF	1.6 27	VOL	ETL+ 2.7	KET03	13R
		00203	520HF	Cr 0.20	Ax 0.22	ETL+ 2.7	KET03	13R
		00203	520HF	1.6 27	ID 49	ETL+ 2.7	KET03	13R
111	21	00203	520HF	Cr 0.13	Ax 0.14	ETL+ 3.2	KET06	13R
		00203	520HF	0.3 14	VOL	ETL+ 3.2	KET06	13R
		00203	520HF	0.3 14	ID 16	ETL+ 3.2	KET06	13R
111	23	00203	520HF	0.4 17	VOL	ETL+ 1.6	KET03	13R

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OUTAGE 13R
KINETIC EXPANSION INDICATIONS

Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00203	520HF	Cr 0.13	Ax 0.14	ETL+ 1.6	KET03	13R
		00203	520HF	0.4 17	ID 22	ETL+ 1.6	KET03	13R
		00203	520HF	Cr 0.13	Ax 0.05	ETL+ 1.7	KET03	13R
		00203	520HF	0.2 9	VOL	ETL+ 1.7	KET03	13R
		00203	520HF	0.2 9	ID 8	ETL+ 1.7	KET03	13R
		00203	520HF	0.3 10	VOL	ETL+ 1.9	KET03	13R
		00203	520HF	0.3 10	ID 9	ETL+ 1.9	KET03	13R
		00203	520HF	Cr 0.13	Ax 0.14	ETL+ 1.9	KET03	13R
		00203	520HF	Cr 0.13	Ax 0.14	ETL+ 2.8	KET03	13R
		00203	520HF	0.2 22	VOL	ETL+ 2.8	KET03	13R
		00203	520HF	0.2 22	ID 34	ETL+ 2.8	KET03	13R
		00203	520HF	Cr 0.13	Ax 0.14	ETL+ 3.3	KET03	13R
		00203	520HF	0.1 9	VOL	ETL+ 3.3	KET03	13R
		00203	520HF	0.1 9	ID 8	ETL+ 3.3	KET03	13R
111	29	00203	520HF	0.3 17	VOL	ETL+ 2.1	KET12	13R
		00203	520HF	0.3 17	ID 22	ETL+ 2.1	KET12	13R
		00203	520HF	Cr 0.13	Ax 0.14	ETL+ 2.1	KET12	13R
		00203	520HF	Cr 0.13	Ax 0.14	ETL+ 2.3	KET12	13R
		00203	520HF	0.2 15	VOL	ETL+ 2.3	KET12	13R
		00203	520HF	0.2 15	ID 17	ETL+ 2.3	KET12	13R
		00203	520HF	Cr 0.13	Ax 0.14	ETL+ 3.9	KET12	13R
		00203	520HF	0.2 5	VOL	ETL+ 3.9	KET12	13R
		00203	520HF	0.2 5	ID 3	ETL+ 3.9	KET12	13R
111	30	00207	520HF	0.4 17	VOL	ETL+ 0.6	KET12	13R
		00207	520HF	0.4 17	ID 25	ETL+ 0.6	KET12	13R
		00207	520HF	Cr 0.16	Ax 0.09	ETL+ 0.6	KET12	13R
		00207	520HF	0.4 16	ID 23	ETL+ 1.9	KET12	13R
		00207	520HF	0.4 16	VOL	ETL+ 1.9	KET12	13R
		00207	520HF	Cr 0.19	Ax 0.20	ETL+ 1.9	KET12	13R
		00207	520HF	Cr 0.19	Ax 0.15	ETL+ 3.1	KET12	13R
		00207	520HF	0.4 10	ID 12	ETL+ 3.1	KET12	13R
		00207	520HF	0.4 10	VOL	ETL+ 3.1	KET12	13R
		00207	520HF	Cr 0.19	Ax 0.15	ETL+ 4.2	KET12	13R
		00207	520HF	0.2 9	VOL	ETL+ 4.2	KET12	13R
		00207	520HF	0.2 9	ID 10	ETL+ 4.2	KET12	13R
		00207	520HF	Cr 0.19	Ax 0.15	ETL+ 4.4	KET12	13R
		00207	520HF	0.5 17	ID 25	ETL+ 4.4	KET12	13R
		00207	520HF	0.5 17	VOL	ETL+ 4.4	KET12	13R
111	37	00203	520HF	Cr 0.13	Ax 0.13	ETL+ 2.3	KET03	13R
		00203	520HF	0.3 24	VOL	ETL+ 2.3	KET03	13R
		00203	520HF	0.3 24	ID 39	ETL+ 2.3	KET03	13R
111	45	00203	520HF	0.3 16	VOL	ETL+ 0.9	KET12	13R
		00203	520HF	Cr 0.13	Ax 0.13	ETL+ 0.9	KET12	13R
		00203	520HF	0.3 16	ID 19	ETL+ 0.9	KET12	13R
		00203	520HF	0.8 23	ID 36	ETL+ 1.3	KET12	13R
		00203	520HF	Cr 0.20	Ax 0.18	ETL+ 1.3	KET12	13R
		00203	520HF	0.8 23	VOL	ETL+ 1.3	KET12	13R
		00203	520HF	Cr 0.20	Ax 0.18	ETL+ 2.7	KET12	13R
		00203	520HF	0.6 20	VOL	ETL+ 2.7	KET12	13R
		00203	520HF	0.6 20	ID 29	ETL+ 2.7	KET12	13R

THREE MILE ISLAND UNIT 1
OTSG-A
OUTAGE 13R
KINETIC EXPANSION INDICATIONS

Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00203	520HF	0.4 15	ID 17	ETL+ 3.8	KET12	13R
		00203	520HF	Cr 0.13	Ax 0.13	ETL+ 3.8	KET12	13R
		00203	520HF	0.4 15	VOL	ETL+ 3.8	KET12	13R
		00203	520HF	0.6 23	ID 36	ETL+ 4.2	KET12	13R
		00203	520HF	0.6 23	VOL	ETL+ 4.2	KET12	13R
		00203	520HF	Cr 0.13	Ax 0.18	ETL+ 4.2	KET12	13R
		00203	520HF	0.6 18	VOL	ETL+ 4.9	KET12	13R
		00203	520HF	0.6 18	ID 24	ETL+ 4.9	KET12	13R
		00203	520HF	Cr 0.20	Ax 0.13	ETL+ 4.9	KET12	13R
		00203	520HF	Cr 0.13	Ax 0.13	ETL+ 5.2	KET12	13R
		00203	520HF	0.5 19	VOL	ETL+ 5.2	KET12	13R
		00203	520HF	0.5 19	ID 26	ETL+ 5.2	KET12	13R
111	50	00117	520HF	0.3 27	VOL	ETL+ 0.2	KET12	13R
		00117	520HF	0.3 27	ID 52	ETL+ 0.2	KET12	13R
		00117	520HF	Cr 0.18	Ax 0.17	ETL+ 0.2	KET12	13R
		00117	520HF	0.2 20	VOL	ETL+ 1.5	KET12	13R
		00117	520HF	Cr 0.18	Ax 0.17	ETL+ 1.5	KET12	13R
		00117	520HF	0.2 20	ID 32	ETL+ 1.5	KET12	13R
111	52	00117	520HF	0.3 22	VOL	ETL+ 0.9	KET12	13R
		00117	520HF	0.3 22	ID 37	ETL+ 0.9	KET12	13R
		00117	520HF	Cr 0.12	Ax 0.13	ETL+ 0.9	KET12	13R
		00117	520HF	0.3 23	ID 40	ETL+ 1.1	KET12	13R
		00117	520HF	0.3 23	VOL	ETL+ 1.1	KET12	13R
		00117	520HF	Cr 0.18	Ax 0.13	ETL+ 1.1	KET12	13R
		00117	520HF	Cr 0.18	Ax 0.17	ETL+ 3.3	KET12	13R
		00117	520HF	0.3 18	ID 27	ETL+ 3.3	KET12	13R
		00117	520HF	0.3 18	VOL	ETL+ 3.3	KET12	13R
111	54	00117	520HF	0.3 12	VOL	ETL+ 0.1	KET12	13R
		00117	520HF	Cr 0.18	Ax 0.08	ETL+ 0.1	KET12	13R
		00117	520HF	0.3 12	ID 15	ETL+ 0.1	KET12	13R
		00117	520HF	0.3 17	VOL	ETL+ 4.1	KET12	13R
		00117	520HF	0.3 17	ID 25	ETL+ 4.1	KET12	13R
		00117	520HF	Cr 0.18	Ax 0.17	ETL+ 4.1	KET12	13R
		00117	520HF	0.2 31	ID 65	ETL+ 4.6	KET12	13R
		00117	520HF	0.2 31	VOL	ETL+ 4.6	KET12	13R
		00117	520HF	Cr 0.12	Ax 0.08	ETL+ 4.6	KET12	13R
111	57	00115	520HF	0.2 11	VOL	ETL+ 1.0	KET03	13R
		00115	520HF	0.2 11	ID 12	ETL+ 1.0	KET03	13R
		00115	520HF	Cr 0.12	Ax 0.12	ETL+ 1.0	KET03	13R
		00115	520HF	0.2 16	VOL	ETL+ 1.6	KET03	13R
		00115	520HF	0.2 16	ID 21	ETL+ 1.6	KET03	13R
		00115	520HF	Cr 0.12	Ax 0.15	ETL+ 1.6	KET03	13R
111	63	00115	520HF	0.3 16	VOL	ETL+ 2.7	KET12	13R
		00115	520HF	0.3 16	ID 21	ETL+ 2.7	KET12	13R
		00115	520HF	Cr 0.18	Ax 0.19	ETL+ 2.7	KET12	13R
111	71	00127	520HF	0.7 15	ID 19	ETL+ 1.0	KET12	13R
		00127	520HF	Cr 0.17	Ax 0.21	ETL+ 1.0	KET12	13R
		00127	520HF	0.7 15	VOL	ETL+ 1.0	KET12	13R
111	73	00127	520HF	0.1 6	5	ETL+ 0.0	KET12	13R
		00127	520HF	Cr 0.11	Ax 0.10	ETL+ 0.0	KET12	13R

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OTSG-A
OUTAGE 13R
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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00127	520HF	0.1 6	VOL	ETL+ 0.0	KET12	13R
111	74	00129	520HF	Cr 0.17	Ax 0.13	ETL+ 1.1	KET03	13R
		00129	520HF	0.4 25	VOL	ETL+ 1.1	KET03	13R
		00129	520HF	0.4 25	ID 46	ETL+ 1.1	KET03	13R
		00129	520HF	0.7 28	ID 55	ETL+ 1.5	KET03	13R
		00129	520HF	Cr 0.17	Ax 0.13	ETL+ 1.5	KET03	13R
		00129	520HF	0.7 28	VOL	ETL+ 1.5	KET03	13R
		00129	520HF	0.4 35	SCI	ETL+ 3.2	KET03	13R
		00129	520HF	0.4 35	NT 79	ETL+ 3.2	KET03	13R
		00129	520HF	0.1 37	ARC	ETL+ 3.2	KET03	13R
111	111	00271	520HF	Cr 0.17	Ax 0.11	ETL+ 2.2	KET12	13R
		00271	520HF	0.2 38	NT 91	ETL+ 2.2	KET12	13R
		00271	520HF	0.2 38	VOL	ETL+ 2.2	KET12	13R
		00271	520HF	0.5 28	VOL	ETL+ 3.3	KET12	13R
		00271	520HF	Cr 0.17	Ax 0.13	ETL+ 3.3	KET12	13R
		00271	520HF	0.5 28	ID 52	ETL+ 3.3	KET12	13R
112	106	00183	520HF	0.2 34	ARC	ETL+ 0.5	KET22	13R
		00183	520HF	2.1 40	SCI	ETL+ 0.5	KET22	13R
		00183	520HF	2.1 39	NT 97	ETL+ 0.5	KET22	13R
		00183	520HF	3.7 38	NT 91	ETL+ 5.8	KET22	13R
		00183	520HF	3.7 38	VOL	ETL+ 5.8	KET22	13R
		00183	520HF	Cr 0.16	Ax 0.12	ETL+ 5.8	KET22	13R
113	23	00319	520HF	0.5 23	VOL	ETL+ 1.0	KET12	13R
		00319	520HF	0.5 23	ID 39	ETL+ 1.0	KET12	13R
		00319	520HF	Cr 0.23	Ax 0.21	ETL+ 1.0	KET12	13R
113	24	00203	520HF	0.1 20	ID 29	ETL+ 3.0	KET12	13R
		00203	520HF	0.1 20	VOL	ETL+ 3.0	KET12	13R
		00203	520HF	Cr 0.13	Ax 0.14	ETL+ 3.0	KET12	13R
113	26	00203	520HF	0.5 14	VOL	ETL+ 1.6	KET06	13R
		00203	520HF	Cr 0.20	Ax 0.14	ETL+ 1.6	KET06	13R
		00203	520HF	0.5 14	ID 16	ETL+ 1.6	KET06	13R
		00203	520HF	Cr 0.20	Ax 0.14	ETL+ 2.3	KET06	13R
		00203	520HF	0.5 16	ID 19	ETL+ 2.3	KET06	13R
		00203	520HF	0.5 16	VOL	ETL+ 2.3	KET06	13R
		00203	520HF	0.8 27	VOL	ETL+ 3.5	KET06	13R
		00203	520HF	Cr 0.20	Ax 0.14	ETL+ 3.5	KET06	13R
		00203	520HF	0.8 27	ID 49	ETL+ 3.5	KET06	13R
113	28	00203	520HF	0.4 10	VOL	ETL+ 3.1	KET12	13R
		00203	520HF	Cr 0.14	Ax 0.14	ETL+ 3.1	KET12	13R
		00203	520HF	0.4 10	ID 9	ETL+ 3.1	KET12	13R
113	30	00203	520HF	0.4 8	VOL	ETL+ 2.5	KET12	13R
		00203	520HF	Cr 0.18	Ax 0.14	ETL+ 2.5	KET12	13R
		00203	520HF	0.4 8	ID 6	ETL+ 2.5	KET12	13R
113	51	00115	520HF	0.2 13	ID 15	ETL+ 0.3	KET12	13R
		00115	520HF	Cr 0.16	Ax 0.11	ETL+ 0.3	KET12	13R
		00115	520HF	0.2 13	VOL	ETL+ 0.3	KET12	13R
113	54	00117	520HF	0.3 25	ID 46	ETL+ 1.2	KET03	13R
		00117	520HF	0.3 25	VOL	ETL+ 1.2	KET03	13R
		00117	520HF	Cr 0.18	Ax 0.16	ETL+ 1.2	KET03	13R
		00117	520HF	Cr 0.12	Ax 0.12	ETL+ 1.7	KET03	13R

THREE MILE ISLAND UNIT 1
OTSG-A
OUTAGE 13R
KINETIC EXPANSION INDICATIONS

Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00117	520HF	0.2 17	ID 25	ETL+ 1.7	KET03	13R
		00117	520HF	0.2 17	VOL	ETL+ 1.7	KET03	13R
113	60	00117	520HF	0.7 25	VOL	ETL+ 3.0	KET06	13R
		00117	520HF	0.7 25	ID 46	ETL+ 3.0	KET06	13R
		00117	520HF	Cr 0.25	Ax 0.21	ETL+ 3.0	KET06	13R
113	72	00127	520HF	0.3 17	ID 23	ETL+ 1.7	KET12	13R
		00127	520HF	0.3 17	VOL	ETL+ 1.7	KET12	13R
		00127	520HF	Cr 0.11	Ax 0.12	ETL+ 1.7	KET12	13R
113	85	00117	520HF	0.2 23	VOL	ETL+ 3.0	KET06	13R
		00117	520HF	0.2 23	ID 40	ETL+ 3.0	KET06	13R
		00117	520HF	Cr 0.12	Ax 0.12	ETL+ 3.0	KET06	13R
113	105	00183	520HF	0.3 30	ID 60	ETL+ 4.1	KET22	13R
		00183	520HF	Cr 0.16	Ax 0.12	ETL+ 4.1	KET22	13R
		00183	520HF	0.3 30	VOL	ETL+ 4.1	KET22	13R
		00183	520HF	0.2 14	VOL	ETL+ 4.8	KET22	13R
		00183	520HF	Cr 0.16	Ax 0.12	ETL+ 4.8	KET22	13R
		00183	520HF	0.2 14	ID 17	ETL+ 4.8	KET22	13R
		00183	520HF	3.3 40	SCI	ETL+ 6.2	KET22	13R
		00183	520HF	3.3 40	NT 100	ETL+ 6.2	KET22	13R
		00183	520HF	0.2 44	ARC	ETL+ 6.2	KET22	13R
		00183	520HF	5.1 40	NT 100	ETL+ 6.8	KET22	13R
		00183	520HF	0.2 44	ARC	ETL+ 6.8	KET22	13R
		00183	520HF	5.1 40	SCI	ETL+ 6.8	KET22	13R
115	22	00203	520HF	0.4 21	VOL	ETL+ 0.1	KET03	13R
		00203	520HF	Cr 0.19	Ax 0.14	ETL+ 0.1	KET03	13R
		00203	520HF	0.4 21	ID 31	ETL+ 0.1	KET03	13R
		00203	520HF	Cr 0.19	Ax 0.14	ETL+ 0.9	KET03	13R
		00203	520HF	0.4 26	ID 45	ETL+ 0.9	KET03	13R
		00203	520HF	0.4 26	VOL	ETL+ 0.9	KET03	13R
		00203	520HF	0.2 17	VOL	ETL+ 4.1	KET03	13R
		00203	520HF	Cr 0.13	Ax 0.14	ETL+ 4.1	KET03	13R
		00203	520HF	0.2 17	ID 22	ETL+ 4.1	KET03	13R
115	32	00319	520HF	Cr 0.23	Ax 0.16	ETL+ 2.1	KET12	13R
		00319	520HF	0.9 32	ID 68	ETL+ 2.1	KET12	13R
		00319	520HF	0.9 32	VOL	ETL+ 2.1	KET12	13R
115	34	00207	520HF	0.4 15	VOL	ETL+ 0.2	KET12	13R
		00207	520HF	Cr 0.19	Ax 0.15	ETL+ 0.2	KET12	13R
		00207	520HF	0.4 15	ID 21	ETL+ 0.2	KET12	13R
115	41	00203	520HF	0.2 11	ID 10	ETL+ 1.6	KET12	13R
		00203	520HF	0.2 11	VOL	ETL+ 1.6	KET12	13R
		00203	520HF	Cr 0.13	Ax 0.09	ETL+ 1.6	KET12	13R
115	45	00203	520HF	0.3 19	ID 26	ETL+ 2.8	KET12	13R
		00203	520HF	0.3 19	VOL	ETL+ 2.8	KET12	13R
		00203	520HF	Cr 0.20	Ax 0.18	ETL+ 2.8	KET12	13R
115	46	00203	520HF	Cr 0.13	Ax 0.09	ETL+ 0.0	KET03	13R
		00203	520HF	0.2 23	VOL	ETL+ 0.0	KET03	13R
		00203	520HF	0.2 23	ID 36	ETL+ 0.0	KET03	13R
		00203	520HF	Cr 0.20	Ax 0.14	ETL+ 0.8	KET03	13R
		00203	520HF	0.6 27	VOL	ETL+ 0.8	KET03	13R
		00203	520HF	0.6 27	ID 49	ETL+ 0.8	KET03	13R

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OUTAGE 13R
KINETIC EXPANSION INDICATIONS

Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00203	520HF	0.3 18	ID 24	ETL+ 1.0	KET03	13R
		00203	520HF	Cr 0.20	Ax 0.14	ETL+ 1.0	KET03	13R
		00203	520HF	0.3 18	VOL	ETL+ 1.0	KET03	13R
		00203	520HF	0.5 23	VOL	ETL+ 3.0	KET03	13R
		00203	520HF	Cr 0.20	Ax 0.14	ETL+ 3.0	KET03	13R
		00203	520HF	0.5 23	ID 36	ETL+ 3.0	KET03	13R
		00203	520HF	0.5 26	VOL	ETL+ 4.2	KET03	13R
		00203	520HF	Cr 0.20	Ax 0.14	ETL+ 4.2	KET03	13R
		00203	520HF	0.5 26	ID 45	ETL+ 4.2	KET03	13R
		00203	520HF	0.5 25	VOL	ETL+ 4.6	KET03	13R
		00203	520HF	0.5 25	ID 42	ETL+ 4.6	KET03	13R
		00203	520HF	Cr 0.13	Ax 0.14	ETL+ 4.6	KET03	13R
115	50	00115	520HF	0.3 11	VOL	ETL+ 0.0	KET12	13R
		00115	520HF	0.3 11	ID 12	ETL+ 0.0	KET12	13R
		00115	520HF	Cr 0.12	Ax 0.11	ETL+ 0.0	KET12	13R
		00115	520HF	0.3 15	ID 19	ETL+ 2.5	KET12	13R
		00115	520HF	0.3 15	VOL	ETL+ 2.5	KET12	13R
		00115	520HF	Cr 0.12	Ax 0.15	ETL+ 2.5	KET12	13R
115	51	00117	520HF	0.3 18	VOL	ETL+ 2.3	KET03	13R
		00117	520HF	Cr 0.18	Ax 0.12	ETL+ 2.3	KET03	13R
		00117	520HF	0.3 18	ID 27	ETL+ 2.3	KET03	13R
115	62	00117	520HF	Cr 0.18	Ax 0.17	ETL+ 1.5	KET12	13R
		00117	520HF	0.5 23	ID 40	ETL+ 1.5	KET12	13R
		00117	520HF	0.5 23	VOL	ETL+ 1.5	KET12	13R
		00117	520HF	0.7 19	ID 30	ETL+ 3.0	KET12	13R
		00117	520HF	Cr 0.18	Ax 0.17	ETL+ 3.0	KET12	13R
		00117	520HF	0.7 19	VOL	ETL+ 3.0	KET12	13R
		00117	520HF	Cr 0.18	Ax 0.17	ETL+ 4.1	KET12	13R
		00117	520HF	0.4 20	VOL	ETL+ 4.1	KET12	13R
		00117	520HF	0.4 20	ID 32	ETL+ 4.1	KET12	13R
117	20	00203	520HF	0.6 28	ID 52	ETL+ 0.9	KET06	13R
		00203	520HF	Cr 0.19	Ax 0.09	ETL+ 0.9	KET06	13R
		00203	520HF	0.6 28	VOL	ETL+ 0.9	KET06	13R
		00203	520HF	0.3 24	ID 39	ETL+ 1.8	KET06	13R
		00203	520HF	Cr 0.13	Ax 0.09	ETL+ 1.8	KET06	13R
		00203	520HF	0.3 24	VOL	ETL+ 1.8	KET06	13R
		00203	520HF	0.3 18	ID 24	ETL+ 3.2	KET06	13R
		00203	520HF	0.3 18	VOL	ETL+ 3.2	KET06	13R
		00203	520HF	Cr 0.13	Ax 0.12	ETL+ 3.2	KET06	13R
		00203	520HF	0.6 24	VOL	ETL+ 3.3	KET06	13R
		00203	520HF	Cr 0.13	Ax 0.14	ETL+ 3.3	KET06	13R
		00203	520HF	0.6 24	ID 39	ETL+ 3.3	KET06	13R
		00203	520HF	0.5 32	SVI	ETL+ 3.5	KET06	13R
		00203	520HF	0.5 32	ID 66	ETL+ 3.5	KET06	13R
		00203	520HF	Cr 0.16	Ax 0.42	ETL+ 3.5	KET06	13R
		00203	520HF	Cr 0.19	Ax 0.16	ETL+ 4.6	KET06	13R
		00203	520HF	1.3 42	VOL	ETL+ 4.6	KET06	13R
		00203	520HF	1.3 42	NT 99	ETL+ 4.6	KET06	13R
117	33	00319	520HF	0.1 15	ID 20	ETL+ 0.5	KET12	13R
		00319	520HF	0.1 15	VOL	ETL+ 0.5	KET12	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00319	520HF	Cr 0.19	Ax 0.15	ETL+ 0.5	KET12	13R
117	45	00115	520HF	Cr 0.12	Ax 0.11	ETL+ 0.6	KET12	13R
		00115	520HF	0.2 19	ID 27	ETL+ 0.6	KET12	13R
		00115	520HF	0.2 19	VOL	ETL+ 0.6	KET12	13R
117	84	00093	520HF	0.9 25	ID 46	ETL+ 1.6	KET03	13R
		00093	520HF	0.9 25	VOL	ETL+ 1.6	KET03	13R
		00093	520HF	Cr 0.19	Ax 0.12	ETL+ 1.6	KET03	13R
117	90	00091	520HF	Cr 0.15	Ax 0.14	ETL+ 0.1	KET12	13R
		00091	520HF	0.5 20	ID 31	ETL+ 0.1	KET12	13R
		00091	520HF	0.5 20	VOL	ETL+ 0.1	KET12	13R
120	19	00225	520HF	Cr 0.11	Ax 0.11	ETL+ 2.8	KET12	13R
		00225	520HF	0.3 24	VOL	ETL+ 2.8	KET12	13R
		00225	520HF	0.3 24	ID 39	ETL+ 2.8	KET12	13R
120	42	00225	520HF	1.6 28	ID 52	ETL+ 1.1	KET06	13R
		00225	520HF	1.6 28	SCI	ETL+ 1.1	KET06	13R
		00225	520HF	0.2 35	ARC	ETL+ 1.1	KET06	13R
		00225	520HF	0.2 17	VOL	ETL+ 1.8	KET06	13R
		00225	520HF	Cr 0.11	Ax 0.11	ETL+ 1.8	KET06	13R
		00225	520HF	0.2 17	ID 22	ETL+ 1.8	KET06	13R
		00225	520HF	1.2 23	VOL	ETL+ 4.8	KET06	13R
		00225	520HF	Cr 0.24	Ax 0.16	ETL+ 4.8	KET06	13R
		00225	520HF	1.2 23	ID 36	ETL+ 4.8	KET06	13R
120	60	00241	520HF	0.6 6	VOL	ETL+ 3.0	KET06	13R
		00241	520HF	0.6 6	ID 6	ETL+ 3.0	KET06	13R
		00241	520HF	Cr 0.26	Ax 0.15	ETL+ 3.0	KET06	13R
120	66	00241	520HF	0.5 21	ID 35	ETL+ 0.8	KET06	13R
		00241	520HF	0.5 21	VOL	ETL+ 0.8	KET06	13R
		00241	520HF	Cr 0.23	Ax 0.08	ETL+ 0.8	KET06	13R
120	95	00241	520HF	1.1 26	ID 49	ETL+ 1.9	KET03	13R
		00241	520HF	1.1 26	VOL	ETL+ 1.9	KET03	13R
		00241	520HF	Cr 0.17	Ax 0.17	ETL+ 1.9	KET03	13R
		00241	520HF	Cr 0.12	Ax 0.12	ETL+ 3.8	KET03	13R
		00241	520HF	0.4 17	ID 25	ETL+ 3.8	KET03	13R
		00241	520HF	0.4 17	VOL	ETL+ 3.8	KET03	13R
		00241	520HF	Cr 0.12	Ax 0.12	ETL+ 4.3	KET03	13R
		00241	520HF	0.2 16	VOL	ETL+ 4.3	KET03	13R
		00241	520HF	0.2 16	ID 23	ETL+ 4.3	KET03	13R
120	96	00321	520HF	Cr 0.15	Ax 0.14	ETL+ 1.3	KET12	13R
		00321	520HF	0.4 10	VOL	ETL+ 1.3	KET12	13R
		00321	520HF	0.4 10	ID 11	ETL+ 1.3	KET12	13R
120	98	00321	520HF	1.1 20	ID 31	ETL+ 2.3	KET12	13R
		00321	520HF	Cr 0.16	Ax 0.13	ETL+ 2.3	KET12	13R
		00321	520HF	1.1 20	VOL	ETL+ 2.3	KET12	13R
		00321	520HF	0.9 20	VOL	ETL+ 4.3	KET12	13R
		00321	520HF	0.9 20	ID 31	ETL+ 4.3	KET12	13R
		00321	520HF	Cr 0.16	Ax 0.13	ETL+ 4.3	KET12	13R
122	38	00235	520HF	0.5 17	VOL	ETL+ 2.1	KET03	13R
		00235	520HF	0.5 17	ID 24	ETL+ 2.1	KET03	13R
		00235	520HF	Cr 0.18	Ax 0.12	ETL+ 2.1	KET03	13R
		00235	520HF	Cr 0.18	Ax 0.17	ETL+ 2.4	KET03	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00235	520HF	0.8 26	VOL	ETL+ 2.4	KET03	13R
		00235	520HF	0.8 26	ID 48	ETL+ 2.4	KET03	13R
122	39	00233	520HF	0.3 11	VOL	ETL+ 0.3	KET12	13R
		00233	520HF	Cr 0.14	Ax 0.21	ETL+ 0.3	KET12	13R
		00233	520HF	0.3 11	ID 12	ETL+ 0.3	KET12	13R
122	41	00233	520HF	0.2 23	VOL	ETL+ 0.6	KET12	13R
		00233	520HF	Cr 0.16	Ax 0.19	ETL+ 0.6	KET12	13R
		00233	520HF	0.2 23	ID 39	ETL+ 0.6	KET12	13R
		00233	520HF	0.3 3	ID 2	ETL+ 2.3	KET12	13R
		00233	520HF	Cr 0.13	Ax 0.11	ETL+ 2.3	KET12	13R
		00233	520HF	0.3 3	VOL	ETL+ 2.3	KET12	13R
		00233	520HF	0.4 23	ID 39	ETL+ 3.3	KET12	13R
		00233	520HF	Cr 0.13	Ax 0.14	ETL+ 3.3	KET12	13R
		00233	520HF	0.4 23	VOL	ETL+ 3.3	KET12	13R
		00233	520HF	0.4 20	VOL	ETL+ 4.8	KET12	13R
		00233	520HF	Cr 0.13	Ax 0.16	ETL+ 4.8	KET12	13R
		00233	520HF	0.4 20	ID 31	ETL+ 4.8	KET12	13R
122	52	00235	520HF	0.4 22	VOL	ETL+ 1.3	KET12	13R
		00235	520HF	0.4 22	ID 37	ETL+ 1.3	KET12	13R
		00235	520HF	Cr 0.18	Ax 0.17	ETL+ 1.3	KET12	13R
122	65	00321	520HF	0.7 21	VOL	ETL+ 3.2	KET06	13R
		00321	520HF	0.7 21	ID 33	ETL+ 3.2	KET06	13R
		00321	520HF	Cr 0.22	Ax 0.13	ETL+ 3.2	KET06	13R
122	80	00257	520HF	0.2 25	ID 44	ETL+ 0.3	KET12	13R
		00257	520HF	Cr 0.18	Ax 0.22	ETL+ 0.3	KET12	13R
		00257	520HF	0.2 25	VOL	ETL+ 0.3	KET12	13R
122	97	00259	520HF	0.6 30	VOL	ETL+ 1.2	KET12	13R
		00259	520HF	Cr 0.19	Ax 0.15	ETL+ 1.2	KET12	13R
		00259	520HF	0.6 30	ID 61	ETL+ 1.2	KET12	13R
124	37	00233	520HF	0.8 31	VOL	ETL+ 0.6	KET03	13R
		00233	520HF	Cr 0.20	Ax 0.15	ETL+ 0.6	KET03	13R
		00233	520HF	0.8 31	ID 64	ETL+ 0.6	KET03	13R
		00233	520HF	0.4 26	VOL	ETL+ 2.0	KET03	13R
		00233	520HF	Cr 0.17	Ax 0.21	ETL+ 2.0	KET03	13R
		00233	520HF	0.4 26	ID 48	ETL+ 2.0	KET03	13R
		00233	520HF	0.3 34	VOL	ETL+ 4.0	KET03	13R
		00233	520HF	0.3 34	ID 75	ETL+ 4.0	KET03	13R
		00233	520HF	Cr 0.20	Ax 0.19	ETL+ 4.0	KET03	13R
127	3	00235	520HF	0.3 17	ID 24	ETL+ 0.3	KET12	13R
		00235	520HF	Cr 0.15	Ax 0.13	ETL+ 0.3	KET12	13R
		00235	520HF	0.3 17	VOL	ETL+ 0.3	KET12	13R
		00235	520HF	Cr 0.18	Ax 0.13	ETL+ 2.4	KET12	13R
		00235	520HF	1.0 28	VOL	ETL+ 2.4	KET12	13R
		00235	520HF	1.0 28	ID 54	ETL+ 2.4	KET12	13R
127	18	00233	520HF	0.2 18	VOL	ETL+ 0.5	KET03	13R
		00233	520HF	0.2 18	ID 26	ETL+ 0.5	KET03	13R
		00233	520HF	Cr 0.14	Ax 0.20	ETL+ 0.5	KET03	13R
		00233	520HF	Cr 0.14	Ax 0.20	ETL+ 0.9	KET03	13R
		00233	520HF	0.3 25	ID 44	ETL+ 0.9	KET03	13R
		00233	520HF	0.3 25	VOL	ETL+ 0.9	KET03	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
127	26	00233	520HF	0.3 26	ID 48	ETL+ 1.6	KET12	13R
		00233	520HF	Cr 0.14	Ax 0.11	ETL+ 1.6	KET12	13R
		00233	520HF	0.3 26	VOL	ETL+ 1.6	KET12	13R
127	38	00233	520HF	0.3 22	ID 36	ETL+ 2.3	KET06	13R
		00233	520HF	0.3 22	VOL	ETL+ 2.3	KET06	13R
		00233	520HF	Cr 0.17	Ax 0.15	ETL+ 2.3	KET06	13R
127	63	00257	520HF	0.2 21	VOL	ETL+ 0.1	KET12	13R
		00257	520HF	Cr 0.09	Ax 0.15	ETL+ 0.1	KET12	13R
		00257	520HF	0.2 21	ID 33	ETL+ 0.1	KET12	13R
127	84	00257	520HF	0.9 23	VOL	ETL+ 0.7	KET12	13R
		00257	520HF	0.9 23	ID 39	ETL+ 0.7	KET12	13R
		00257	520HF	Cr 0.23	Ax 0.15	ETL+ 0.7	KET12	13R
		00257	520HF	2.1 34	ID 75	ETL+ 2.2	KET12	13R
		00257	520HF	2.1 34	VOL	ETL+ 2.2	KET12	13R
		00257	520HF	Cr 0.23	Ax 0.15	ETL+ 2.2	KET12	13R
128	5	00233	520HF	0.4 14	ID 18	ETL+ 1.1	KET03	13R
		00233	520HF	0.4 14	VOL	ETL+ 1.1	KET03	13R
		00233	520HF	Cr 0.17	Ax 0.24	ETL+ 1.1	KET03	13R
		00233	520HF	0.5 21	VOL	ETL+ 2.8	KET03	13R
		00233	520HF	Cr 0.17	Ax 0.22	ETL+ 2.8	KET03	13R
		00233	520HF	0.5 21	ID 33	ETL+ 2.8	KET03	13R
		00233	520HF	Cr 0.17	Ax 0.09	ETL+ 4.9	KET03	13R
		00233	520HF	0.6 18	ID 26	ETL+ 4.9	KET03	13R
		00233	520HF	0.6 18	VOL	ETL+ 4.9	KET03	13R
		00233	520HF	0.5 30	ID 61	ETL+ 5.3	KET03	13R
		00233	520HF	0.5 30	VOL	ETL+ 5.3	KET03	13R
		00233	520HF	Cr 0.17	Ax 0.13	ETL+ 5.3	KET03	13R
128	13	00233	520HF	0.6 30	VOL	ETL+ 0.5	KET03	13R
		00233	520HF	Cr 0.23	Ax 0.21	ETL+ 0.5	KET03	13R
		00233	520HF	0.6 30	ID 61	ETL+ 0.5	KET03	13R
128	61	00257	520HF	0.0 0	INF	ETL+ 3.2	KET03	13R
128	88	00257	520HF	0.0 0	INF	ETL+ 2.2	KET03	13R
129	28	00235	520HF	Cr 0.18	Ax 0.17	ETL+ 2.5	KET12	13R
		00235	520HF	0.2 20	VOL	ETL+ 2.5	KET12	13R
		00235	520HF	0.2 20	ID 32	ETL+ 2.5	KET12	13R
129	43	00233	520HF	0.4 21	ID 33	ETL+ 2.8	KET12	13R
		00233	520HF	Cr 0.14	Ax 0.19	ETL+ 2.8	KET12	13R
		00233	520HF	0.4 21	VOL	ETL+ 2.8	KET12	13R
129	62	00259	520HF	0.3 23	VOL	ETL+ 2.7	KET12	13R
		00259	520HF	0.3 23	ID 39	ETL+ 2.7	KET12	13R
		00259	520HF	Cr 0.13	Ax 0.14	ETL+ 2.7	KET12	13R
130	25	00233	520HF	Cr 0.17	Ax 0.19	ETL+ 2.1	KET03	13R
		00233	520HF	0.3 25	VOL	ETL+ 2.1	KET03	13R
		00233	520HF	0.3 25	ID 44	ETL+ 2.1	KET03	13R
130	60	00257	520HF	1.5 36	SCI	ETL+ 1.6	KET03	13R
		00257	520HF	0.3 48	ARC	ETL+ 1.6	KET03	13R
		00257	520HF	1.5 36	NT 83	ETL+ 1.6	KET03	13R
130	80	00321	520HF	Cr 0.21	Ax 0.18	ETL+ 4.1	KET22	13R
		00321	520HF	1.3 23	ID 38	ETL+ 4.1	KET22	13R
		00321	520HF	1.3 23	VOL	ETL+ 4.1	KET22	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00321	520HF	2.8 29	VOL	ETL+ 4.4	KET22	13R
		00321	520HF	Cr 0.21	Ax 0.18	ETL+ 4.4	KET22	13R
		00321	520HF	2.8 29	ID 57	ETL+ 4.4	KET22	13R
		00321	520HF	0.0 0	INF	ETL+ 6.3	KET22	13R
		00321	520HF	0.0 0	INF	ETL+ 6.6	KET22	13R
130	84	00321	520HF	0.9 17	ID 24	ETL+ 2.7	KET22	13R
		00321	520HF	0.9 17	SCI	ETL+ 2.7	KET22	13R
		00321	520HF	0.4 76	ARC	ETL+ 2.7	KET22	13R
		00321	520HF	0.0 0	INF	ETL+ 6.0	KET22	13R
131	31	00235	520HF	0.4 24	ID 42	ETL+ 1.3	KET12	13R
		00235	520HF	0.4 24	VOL	ETL+ 1.3	KET12	13R
		00235	520HF	Cr 0.12	Ax 0.17	ETL+ 1.3	KET12	13R
131	38	00233	520HF	Cr 0.23	Ax 0.19	ETL+ 0.6	KET12	13R
		00233	520HF	0.6 21	VOL	ETL+ 0.6	KET12	13R
		00233	520HF	0.6 21	ID 33	ETL+ 0.6	KET12	13R
131	40	00233	520HF	1.0 22	VOL	ETL+ 1.8	KET12	13R
		00233	520HF	Cr 0.20	Ax 0.19	ETL+ 1.8	KET12	13R
		00233	520HF	1.0 22	ID 36	ETL+ 1.8	KET12	13R
		00233	520HF	0.4 12	ID 14	ETL+ 2.2	KET12	13R
		00233	520HF	Cr 0.17	Ax 0.23	ETL+ 2.2	KET12	13R
		00233	520HF	0.4 12	VOL	ETL+ 2.2	KET12	13R
131	51	00257	520HF	0.5 28	VOL	ETL+ 0.1	KET12	13R
		00257	520HF	0.5 28	ID 54	ETL+ 0.1	KET12	13R
		00257	520HF	Cr 0.20	Ax 0.14	ETL+ 0.1	KET12	13R
131	65	00257	520HF	0.4 21	ID 33	ETL+ 2.2	KET12	13R
		00257	520HF	Cr 0.15	Ax 0.09	ETL+ 2.2	KET12	13R
		00257	520HF	0.4 21	VOL	ETL+ 2.2	KET12	13R
		00257	520HF	Cr 0.15	Ax 0.09	ETL+ 5.0	KET12	13R
		00257	520HF	0.5 35	NT 79	ETL+ 5.0	KET12	13R
		00257	520HF	0.5 35	VOL	ETL+ 5.0	KET12	13R
131	77	00257	520HF	0.5 2	ID 1	ETL+ 1.4	KET06	13R
		00257	520HF	Cr 0.15	Ax 0.09	ETL+ 1.4	KET06	13R
		00257	520HF	0.5 2	VOL	ETL+ 1.4	KET06	13R
		00257	520HF	Cr 0.15	Ax 0.09	ETL+ 1.9	KET06	13R
		00257	520HF	0.3 23	VOL	ETL+ 1.9	KET06	13R
		00257	520HF	0.3 23	ID 39	ETL+ 1.9	KET06	13R
134	46	00263	520HF	0.5 23	ID 40	ETL+ 2.8	KET12	13R
		00263	520HF	Cr 0.16	Ax 0.09	ETL+ 2.8	KET12	13R
		00263	520HF	0.5 23	VOL	ETL+ 2.8	KET12	13R
134	51	00257	520HF	0.3 18	VOL	ETL+ 0.1	KET03	13R
		00257	520HF	0.3 18	ID 26	ETL+ 0.1	KET03	13R
		00257	520HF	Cr 0.15	Ax 0.09	ETL+ 0.1	KET03	13R
134	74	00290	520HF	Cr 0.28	Ax 0.16	ETL+ 0.0	SPEC-INT	13R
		00290	520HF	1.2 30	VOL	ETL+ 0.0	SPEC-INT	13R
		00290	520HF	1.2 30	ID 60	ETL+ 0.0	SPEC-INT	13R
		00321	520HF	Cr 0.22	Ax 0.18	ETL+ 2.4	KET22	13R
		00321	520HF	1.4 28	VOL	ETL+ 2.4	KET22	13R
		00321	520HF	1.4 28	ID 53	ETL+ 2.4	KET22	13R
136	29	00241	520HF	0.4 17	ID 25	ETL+ 1.9	KET12	13R
		00241	520HF	Cr 0.11	Ax 0.08	ETL+ 1.9	KET12	13R

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Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00241	520HF	0.4 17	VOL	ETL+ 1.9	KET12	13R
136	36	00243	520HF	Cr 0.19	Ax 0.16	ETL+ 0.1	KET12	13R
		00243	520HF	0.5 26	VOL	ETL+ 0.1	KET12	13R
		00243	520HF	0.5 26	ID 48	ETL+ 0.1	KET12	13R
136	38	00243	520HF	Cr 0.22	Ax 0.18	ETL+ 0.4	KET12	13R
		00243	520HF	0.5 28	VOL	ETL+ 0.4	KET12	13R
		00243	520HF	0.5 28	ID 54	ETL+ 0.4	KET12	13R
136	42	00261	520HF	0.3 16	ID 19	ETL+ 0.6	KET12	13R
		00261	520HF	0.3 16	VOL	ETL+ 0.6	KET12	13R
		00261	520HF	Cr 0.13	Ax 0.13	ETL+ 0.6	KET12	13R
136	45	00261	520HF	0.3 21	VOL	ETL+ 2.7	KET03	13R
		00261	520HF	Cr 0.16	Ax 0.13	ETL+ 2.7	KET03	13R
		00261	520HF	0.3 21	ID 31	ETL+ 2.7	KET03	13R
136	63	00263	520HF	0.4 18	VOL	ETL+ 2.4	KET12	13R
		00263	520HF	Cr 0.18	Ax 0.21	ETL+ 2.4	KET12	13R
		00263	520HF	0.4 18	ID 27	ETL+ 2.4	KET12	13R
136	80	00261	520HF	0.7 24	VOL	ETL+ 0.6	KET12	13R
		00261	520HF	0.7 24	ID 39	ETL+ 0.6	KET12	13R
		00261	520HF	Cr 0.21	Ax 0.13	ETL+ 0.6	KET12	13R
		00261	520HF	0.5 14	ID 16	ETL+ 1.1	KET12	13R
		00261	520HF	0.5 14	VOL	ETL+ 1.1	KET12	13R
		00261	520HF	Cr 0.21	Ax 0.18	ETL+ 1.1	KET12	13R
137	68	00321	520HF	0.6 7	ID 7	ETL+ 3.2	KET22	13R
		00321	520HF	Cr 0.21	Ax 0.23	ETL+ 3.2	KET22	13R
		00321	520HF	0.6 7	VOL	ETL+ 3.2	KET22	13R
		00321	520HF	8.2 46	OD 97	ETL+ 3.6	KET22	13R
		00321	520HF	8.2 46	SCI	ETL+ 3.6	KET22	13R
		00321	520HF	0.4 72	ARC	ETL+ 3.6	KET22	13R
138	19	00241	520HF	0.3 32	ID 61	ETL+ 0.1	KET03	13R
		00241	520HF	0.3 32	VOL	ETL+ 0.1	KET03	13R
		00241	520HF	Cr 0.17	Ax 0.12	ETL+ 0.1	KET03	13R
		00241	520HF	Cr 0.12	Ax 0.12	ETL+ 2.6	KET03	13R
		00241	520HF	0.2 23	ID 40	ETL+ 2.6	KET03	13R
		00241	520HF	0.2 23	VOL	ETL+ 2.6	KET03	13R
139	45	00261	520HF	Cr 0.16	Ax 0.13	ETL+ 0.6	KET06	13R
		00261	520HF	0.5 22	VOL	ETL+ 0.6	KET06	13R
		00261	520HF	0.5 22	ID 34	ETL+ 0.6	KET06	13R
139	55	00261	520HF	Cr 0.10	Ax 0.09	ETL+ 0.8	KET12	13R
		00261	520HF	0.2 23	VOL	ETL+ 0.8	KET12	13R
		00261	520HF	0.2 23	ID 36	ETL+ 0.8	KET12	13R
		00261	520HF	0.5 27	ID 49	ETL+ 2.3	KET12	13R
		00261	520HF	0.5 27	VOL	ETL+ 2.3	KET12	13R
		00261	520HF	Cr 0.16	Ax 0.14	ETL+ 2.3	KET12	13R
		00261	520HF	0.6 20	ID 29	ETL+ 2.6	KET12	13R
		00261	520HF	Cr 0.21	Ax 0.18	ETL+ 2.6	KET12	13R
		00261	520HF	0.6 20	VOL	ETL+ 2.6	KET12	13R
		00261	520HF	1.9 32	ID 66	ETL+ 3.4	KET12	13R
		00261	520HF	1.9 32	VOL	ETL+ 3.4	KET12	13R
		00261	520HF	Cr 0.26	Ax 0.18	ETL+ 3.4	KET12	13R
		00261	520HF	Cr 0.21	Ax 0.23	ETL+ 4.1	KET12	13R

THREE MILE ISLAND UNIT 1
OTSG-A
OUTAGE 13R
KINETIC EXPANSION INDICATIONS

Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00261	520HF	1.6 21	VOL	ETL+ 4.1	KET12	13R
		00261	520HF	1.6 21	ID 31	ETL+ 4.1	KET12	13R
139	70	00261	520HF	0.9 20	ID 29	ETL+ 0.5	KET12	13R
		00261	520HF	0.9 20	VOL	ETL+ 0.5	KET12	13R
		00261	520HF	Cr 0.21	Ax 0.18	ETL+ 0.5	KET12	13R
141	23	00321	520HF	0.3 19	ID 28	ETL+ 1.8	KET06	13R
		00321	520HF	0.3 19	VOL	ETL+ 1.8	KET06	13R
		00321	520HF	Cr 0.16	Ax 0.16	ETL+ 1.8	KET06	13R
		00321	520HF	Cr 0.27	Ax 0.20	ETL+ 2.2	KET06	13R
		00321	520HF	0.3 22	VOL	ETL+ 2.2	KET06	13R
		00321	520HF	0.3 22	ID 36	ETL+ 2.2	KET06	13R
141	35	00241	520HF	0.2 26	ID 49	ETL+ 1.8	KET12	13R
		00241	520HF	Cr 0.17	Ax 0.13	ETL+ 1.8	KET12	13R
		00241	520HF	0.2 26	VOL	ETL+ 1.8	KET12	13R
		00241	520HF	1.3 33	ID 72	ETL+ 2.1	KET12	13R
		00241	520HF	Cr 0.22	Ax 0.17	ETL+ 2.1	KET12	13R
		00241	520HF	1.3 33	VOL	ETL+ 2.1	KET12	13R
141	47	00263	520HF	0.3 20	VOL	ETL+ 1.3	KET12	13R
		00263	520HF	0.3 20	ID 32	ETL+ 1.3	KET12	13R
		00263	520HF	Cr 0.12	Ax 0.13	ETL+ 1.3	KET12	13R
		00263	520HF	0.2 9	ID 10	ETL+ 1.7	KET12	13R
		00263	520HF	0.2 9	VOL	ETL+ 1.7	KET12	13R
		00263	520HF	Cr 0.12	Ax 0.13	ETL+ 1.7	KET12	13R
141	50	00321	520HF	14.4 43	NT 99	ETL+ 2.8	KET22	13R
		00321	520HF	14.4 43	SCI	ETL+ 2.8	KET22	13R
		00321	520HF	0.4 69	ARC	ETL+ 2.8	KET22	13R
143	26	00241	520HF	0.8 23	VOL	ETL+ 1.9	KET12	13R
		00241	520HF	0.8 23	ID 40	ETL+ 1.9	KET12	13R
		00241	520HF	Cr 0.29	Ax 0.17	ETL+ 1.9	KET12	13R
		00321	520HF	0.0 0	PRA	ETL+ 1.9	KET12	13R
		00279	520HF	0.9 22	ID 36	ETL+ 2.0	KET12	13R
		00279	520HF	0.9 22	SCI	ETL+ 2.0	KET12	13R
		00279	520HF	0.2 45	ARC	ETL+ 2.0	KET12	13R
145	8	00241	520HF	0.2 20	VOL	ETL+ 1.7	KET12	13R
		00241	520HF	Cr 0.17	Ax 0.12	ETL+ 1.7	KET12	13R
		00241	520HF	0.2 20	ID 32	ETL+ 1.7	KET12	13R
145	16	00241	520HF	1.0 25	ID 46	ETL+ 0.8	KET12	13R
		00241	520HF	Cr 0.20	Ax 0.14	ETL+ 0.8	KET12	13R
		00241	520HF	1.0 25	VOL	ETL+ 0.8	KET12	13R
147	38	00321	520HF	0.3 65	ARC	ETL+ 1.0	KET22	13R
		00321	520HF	3.6 40	SCI	ETL+ 1.0	KET22	13R
		00321	520HF	3.6 40	NT 100	ETL+ 1.0	KET22	13R
148	33	00261	520HF	Cr 0.17	Ax 0.12	ETL+ 2.3	KET12	13R
		00261	520HF	0.4 23	VOL	ETL+ 2.3	KET12	13R
		00261	520HF	0.4 23	ID 36	ETL+ 2.3	KET12	13R
		00261	520HF	Cr 0.12	Ax 0.08	ETL+ 3.0	KET12	13R
		00261	520HF	0.2 6	ID 4	ETL+ 3.0	KET12	13R
		00261	520HF	0.2 6	VOL	ETL+ 3.0	KET12	13R

THREE MILE ISLAND UNIT 1
OTSG-B
OUTAGE 13R
KINETIC EXPANSION INDICATIONS

Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
2	25	00203	520HF	1.9 34	ID 75	ETL+ 0.1	KET03	13R
		00203	520HF	1.9 34	VOL	ETL+ 0.1	KET03	13R
		00203	520HF	Cr 0.21	Ax 0.17	ETL+ 0.1	KET03	13R
		00203	520HF	0.7 20	ID 31	ETL+ 1.2	KET03	13R
		00203	520HF	0.7 20	VOL	ETL+ 1.2	KET03	13R
		00203	520HF	Cr 0.16	Ax 0.17	ETL+ 1.2	KET03	13R
4	22	00147	520HF	1.0 30	ID 61	ETL+ 2.0	KET12	13R
		00147	520HF	Cr 0.29	Ax 0.18	ETL+ 2.0	KET12	13R
		00147	520HF	1.0 30	VOL	ETL+ 2.0	KET12	13R
4	31	00145	520HF	Cr 0.21	Ax 0.22	ETL+ 1.7	KET12	13R
		00145	520HF	0.8 20	VOL	ETL+ 1.7	KET12	13R
		00145	520HF	0.8 20	ID 31	ETL+ 1.7	KET12	13R
6	41	00205	520HF	0.6 18	ID 26	ETL+ 1.8	KET12	13R
		00205	520HF	Cr 0.10	Ax 0.22	ETL+ 1.8	KET12	13R
		00205	520HF	0.6 18	VOL	ETL+ 1.8	KET12	13R
		00205	520HF	0.3 12	VOL	ETL+ 2.4	KET12	13R
		00205	520HF	0.3 12	ID 14	ETL+ 2.4	KET12	13R
		00205	520HF	Cr 0.10	Ax 0.11	ETL+ 2.4	KET12	13R
9	21	00135	520HF	1.1 28	ID 55	ETL+ 0.1	KET12	13R
		00135	520HF	Cr 0.19	Ax 0.12	ETL+ 0.1	KET12	13R
		00135	520HF	1.1 28	VOL	ETL+ 0.1	KET12	13R
9	38	00147	520HF	Cr 0.34	Ax 0.18	ETL+ 0.8	KET12	13R
		00147	520HF	0.6 25	ID 44	ETL+ 0.8	KET12	13R
		00147	520HF	0.6 25	VOL	ETL+ 0.8	KET12	13R
9	41	00147	520HF	0.5 37	NT 87	ETL+ 0.0	KET12	13R
		00147	520HF	0.5 37	VOL	ETL+ 0.0	KET12	13R
		00147	520HF	Cr 0.17	Ax 0.09	ETL+ 0.0	KET12	13R
10	40	00203	520HF	Cr 0.21	Ax 0.17	ETL+ 1.8	KET22	13R
		00203	520HF	1.4 29	VOL	ETL+ 1.8	KET22	13R
		00203	520HF	1.4 29	ID 57	ETL+ 1.8	KET22	13R
		00203	520HF	0.3 58	ARC	ETL+ 4.8	KET22	13R
		00203	520HF	2.7 40	NT 100	ETL+ 4.8	KET22	13R
		00203	520HF	2.7 40	SCI	ETL+ 4.8	KET22	13R
12	34	00215	520HF	1.9 35	SCI	ETL+ 4.3	KET22	13R
		00215	520HF	1.9 35	NT 79	ETL+ 4.3	KET22	13R
		00215	520HF	0.4 83	ARC	ETL+ 4.3	KET22	13R
		00215	520HF	0.0 0	INF	ETL+ 6.4	KET22	13R
		00215	520HF	0.3 58	ARC	ETL+ 7.1	KET22	13R
		00215	520HF	1.9 31	ID 64	ETL+ 7.1	KET22	13R
		00215	520HF	1.9 31	SCI	ETL+ 7.1	KET22	13R
14	7	00424	520HF	9.2 45	PID	ETL+ 1.3	KET12	13R
		00127	520HF	10.5 48	MCI	ETL+ 1.3	KET12	13R
		00127	520HF	0.3 54	ARC	ETL+ 1.3	KET12	13R
		00127	520HF	10.5 48	OD 97	ETL+ 1.3	KET12	13R
		00127	520HF	11.6 44	NT 98	ETL+ 2.6	KET12	13R
		00127	520HF	11.6 44	MCI	ETL+ 2.6	KET12	13R
		00127	520HF	0.6 122	ARC	ETL+ 2.6	KET12	13R
14	44	00203	520HF	6.6 48	OD 97	ETL+ 4.8	KET22	13R
		00203	520HF	0.3 53	ARC	ETL+ 4.8	KET22	13R
		00203	520HF	6.6 48	SCI	ETL+ 4.8	KET22	13R

THREE MILE ISLAND UNIT 1
OTSG-B
OUTAGE 13R
KINETIC EXPANSION INDICATIONS

Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00203	520HF	0.0 0	NDF	ETL+ 6.3	KET22	13R
14	49	00203	520HF	0.0 0	INF	ETL+ 5.2	KET22	13R
17	27	00215	520HF	0.4 68	ARC	ETL+ 7.6	KET22	13R
		00215	520HF	9.0 50	OD 96	ETL+ 7.6	KET22	13R
		00215	520HF	9.0 50	SCI	ETL+ 7.6	KET22	13R
21	35	00127	520HF	0.6 37	NT 87	ETL+ 2.9	KET12	13R
		00127	520HF	0.6 37	VOL	ETL+ 2.9	KET12	13R
		00127	520HF	Cr 0.24	Ax 0.19	ETL+ 2.9	KET12	13R
		00127	520HF	0.6 29	ID 58	ETL+ 3.0	KET12	13R
		00127	520HF	0.6 29	VOL	ETL+ 3.0	KET12	13R
		00127	520HF	Cr 0.29	Ax 0.19	ETL+ 3.0	KET12	13R
		00127	520HF	7.9 38	NT 91	ETL+ 3.8	KET12	13R
		00127	520HF	7.9 38	SCI	ETL+ 3.8	KET12	13R
		00127	520HF	0.3 53	ARC	ETL+ 3.8	KET12	13R
		00127	520HF	1.3 40	NT 100	ETL+ 4.7	KET12	13R
		00127	520HF	1.3 40	SCI	ETL+ 4.7	KET12	13R
		00127	520HF	0.3 71	ARC	ETL+ 4.7	KET12	13R
21	37	00127	520HF	0.3 26	VOL	ETL+ 2.7	KET12	13R
		00127	520HF	Cr 0.29	Ax 0.18	ETL+ 2.7	KET12	13R
		00127	520HF	0.3 26	ID 48	ETL+ 2.7	KET12	13R
		00127	520HF	Cr 0.15	Ax 0.12	ETL+ 3.8	KET12	13R
		00127	520HF	0.5 12	VOL	ETL+ 3.8	KET12	13R
		00127	520HF	0.5 12	ID 14	ETL+ 3.8	KET12	13R
		00127	520HF	Cr 0.15	Ax 0.18	ETL+ 4.3	KET12	13R
		00127	520HF	0.4 24	ID 42	ETL+ 4.3	KET12	13R
		00127	520HF	0.4 24	VOL	ETL+ 4.3	KET12	13R
22	50	00203	520HF	0.0 0	INF	ETL+ 7.1	KET22	13R
24	2	00121	520HF	0.8 27	VOL	ETL+ 2.0	KET12	13R
		00121	520HF	0.8 27	ID 52	ETL+ 2.0	KET12	13R
		00121	520HF	Cr 0.10	Ax 0.13	ETL+ 2.0	KET12	13R
		00121	520HF	18.0 46	SCI	ETL+ 4.0	KET12	13R
		00121	520HF	0.3 55	ARC	ETL+ 4.0	KET12	13R
		00121	520HF	18.0 46	OD 97	ETL+ 4.0	KET12	13R
26	11	00117	520HF	9.0 48	OD 97	ETL+ 0.1	KET06	13R
		00117	520HF	0.3 50	ARC	ETL+ 0.1	KET06	13R
		00117	520HF	9.0 48	SCI	ETL+ 0.1	KET06	13R
26	19	00117	520HF	5.2 52	OD 96	ETL+ 2.6	KET12	13R
		00117	520HF	5.2 52	SCI	ETL+ 2.6	KET12	13R
		00117	520HF	0.5 89	ARC	ETL+ 2.6	KET12	13R
		00117	520HF	1.4 22	VOL	ETL+ 4.6	KET12	13R
		00117	520HF	Cr 0.19	Ax 0.18	ETL+ 4.6	KET12	13R
		00117	520HF	1.4 22	ID 37	ETL+ 4.6	KET12	13R
26	54	00153	520HF	0.0 0	INF	ETL+ 5.5	KET22	13R
		00153	520HF	1.6 32	ID 68	ETL+ 6.8	KET22	13R
		00153	520HF	1.6 32	SCI	ETL+ 6.8	KET22	13R
		00153	520HF	0.4 75	ARC	ETL+ 6.8	KET22	13R
		00153	520HF	0.0 0	INF	ETL+ 7.3	KET22	13R
		00153	520HF	2.2 39	NT 95	ETL+ 8.9	KET22	13R
		00153	520HF	2.2 39	SCI	ETL+ 8.9	KET22	13R
		00153	520HF	0.3 61	ARC	ETL+ 8.9	KET22	13R

THREE MILE ISLAND UNIT 1
OTSG-B
OUTAGE 13R
KINETIC EXPANSION INDICATIONS

Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00153	520HF	0.5 17	ID 25	ETL+ 10.4	KET22	13R
		00153	520HF	0.5 17	VOL	ETL+ 10.4	KET22	13R
		00153	520HF	Cr 0.20	Ax 0.17	ETL+ 10.4	KET22	13R
26	58	00153	520HF	Cr 0.25	Ax 0.23	ETL+ 3.0	KET12	13R
		00153	520HF	0.3 14	VOL	ETL+ 3.0	KET12	13R
		00153	520HF	0.3 14	ID 19	ETL+ 3.0	KET12	13R
26	68	00155	520HF	0.2 20	VOL	ETL+ 2.3	KET06	13R
		00155	520HF	0.2 20	ID 32	ETL+ 2.3	KET06	13R
		00155	520HF	Cr 0.15	Ax 0.12	ETL+ 2.3	KET06	13R
27	61	00153	520HF	0.0 0	INF	ETL+ 7.4	KET22	13R
29	54	00153	520HF	Cr 0.25	Ax 0.17	ETL+ 0.5	KET12	13R
		00153	520HF	0.5 22	ID 37	ETL+ 0.5	KET12	13R
		00153	520HF	0.5 22	VOL	ETL+ 0.5	KET12	13R
29	68	00153	520HF	0.3 60	ARC	ETL+ 2.7	KET12	13R
		00153	520HF	2.5 39	SCI	ETL+ 2.7	KET12	13R
		00153	520HF	2.5 39	NT 95	ETL+ 2.7	KET12	13R
		00153	520HF	5.3 45	NT 98	ETL+ 4.1	KET12	13R
		00153	520HF	5.3 45	SCI	ETL+ 4.1	KET12	13R
		00153	520HF	0.3 60	ARC	ETL+ 4.1	KET12	13R
29	84	00155	520HF	Cr 0.10	Ax 0.12	ETL+ 2.9	KET12	13R
		00155	520HF	0.5 18	VOL	ETL+ 2.9	KET12	13R
		00155	520HF	0.5 18	ID 27	ETL+ 2.9	KET12	13R
		00155	520HF	Cr 0.10	Ax 0.18	ETL+ 4.5	KET12	13R
		00155	520HF	0.2 16	ID 23	ETL+ 4.5	KET12	13R
		00155	520HF	0.2 16	VOL	ETL+ 4.5	KET12	13R
30	64	00151	520HF	0.0 0	NDF	ETL+ 7.2	KET22	13R
		00151	520HF	11.0 46	SCI	ETL+ 8.2	KET22	13R
		00151	520HF	11.0 46	OD 97	ETL+ 8.2	KET22	13R
		00151	520HF	0.4 66	ARC	ETL+ 8.2	KET22	13R
31	18	00223	520HF	0.4 12	ID 15	ETL+ 6.5	KET22	13R
		00223	520HF	Cr 0.20	Ax 0.18	ETL+ 6.5	KET22	13R
		00223	520HF	0.4 12	VOL	ETL+ 6.5	KET22	13R
		00223	520HF	11.7 45	SCI	ETL+ 8.6	KET22	13R
		00223	520HF	11.7 45	NT 98	ETL+ 8.6	KET22	13R
		00223	520HF	0.3 55	ARC	ETL+ 8.6	KET22	13R
35	19	00223	520HF	0.3 46	ARC	ETL+ 7.8	KET22	13R
		00223	520HF	8.5 43	NT 99	ETL+ 7.8	KET22	13R
		00223	520HF	8.5 43	SCI	ETL+ 7.8	KET22	13R
36	25	00083	520HF	0.7 20	VOL	ETL+ 1.5	KET12	13R
		00083	520HF	Cr 0.21	Ax 0.17	ETL+ 1.5	KET12	13R
		00083	520HF	0.7 20	ID 32	ETL+ 1.5	KET12	13R
36	51	00081	520HF	0.6 20	ID 32	ETL+ 1.4	KET12	13R
		00081	520HF	0.6 20	SCI	ETL+ 1.4	KET12	13R
		00081	520HF	0.2 34	ARC	ETL+ 1.4	KET12	13R
37	31	00223	520HF	0.3 51	ARC	ETL+ 6.2	KET22	13R
		00223	520HF	1.1 30	SCI	ETL+ 6.2	KET22	13R
		00223	520HF	1.1 30	ID 61	ETL+ 6.2	KET22	13R
		00223	520HF	0.8 157	ARC	ETL+ 9.5	KET22	13R
		00223	520HF	5.5 50	OD 96	ETL+ 9.5	KET22	13R
		00223	520HF	5.5 50	SCI	ETL+ 9.5	KET22	13R

THREE MILE ISLAND UNIT 1
OTSG-B
OUTAGE 13R
KINETIC EXPANSION INDICATIONS

Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
38	75	00217	520HF	0.0 0	INF	ETL+ 7.7	KET22	13R
39	48	00089	520HF	0.3 25	VOL	ETL+ 2.8	KET12	13R
		00089	520HF	0.3 25	ID 46	ETL+ 2.8	KET12	13R
		00089	520HF	Cr 0.31	Ax 0.22	ETL+ 2.8	KET12	13R
39	81	00165	520HF	Cr 0.15	Ax 0.12	ETL+ 1.4	KET12	13R
		00165	520HF	0.6 12	ID 14	ETL+ 1.4	KET12	13R
		00165	520HF	0.6 12	VOL	ETL+ 1.4	KET12	13R
41	56	00151	520HF	0.2 38	VOL	ETL+ 0.3	KET22	13R
		00151	520HF	Cr 0.15	Ax 0.17	ETL+ 0.3	KET22	13R
		00151	520HF	0.2 38	NT 91	ETL+ 0.3	KET22	13R
		00151	520HF	Cr 0.10	Ax 0.11	ETL+ 0.3	KET22	13R
		00151	520HF	0.2 38	NT 91	ETL+ 0.3	KET22	13R
		00151	520HF	0.2 38	VOL	ETL+ 0.3	KET22	13R
		00151	520HF	Cr 0.20	Ax 0.17	ETL+ 7.0	KET22	13R
		00151	520HF	1.5 36	VOL	ETL+ 7.0	KET22	13R
		00151	520HF	1.5 36	NT 83	ETL+ 7.0	KET22	13R
44	85	00165	520HF	Cr 0.15	Ax 0.11	ETL+ 1.6	KET12	13R
		00165	520HF	0.9 13	VOL	ETL+ 1.6	KET12	13R
		00165	520HF	0.9 13	ID 16	ETL+ 1.6	KET12	13R
46	82	00217	520HF	Cr 0.45	Ax 0.53	ETL+ 2.5	KET12	13R
		00217	520HF	3.4 20	SVI	ETL+ 2.5	KET12	13R
		00217	520HF	3.4 20	ID 31	ETL+ 2.5	KET12	13R
47	7	00109	520HF	19.6 41	SCI	ETL+ 1.2	KET03	13R
		00109	520HF	0.4 70	ARC	ETL+ 1.2	KET03	13R
		00109	520HF	19.6 41	NT 100	ETL+ 1.2	KET03	13R
		00109	520HF	18.1 42	SCI	ETL+ 3.1	KET03	13R
		00109	520HF	18.1 42	NT 99	ETL+ 3.1	KET03	13R
		00109	520HF	0.3 57	ARC	ETL+ 3.1	KET03	13R
47	14	00089	520HF	Cr 0.26	Ax 0.17	ETL+ 2.4	KET03	13R
		00089	520HF	4.8 37	VOL	ETL+ 2.4	KET03	13R
		00089	520HF	4.8 37	NT 87	ETL+ 2.4	KET03	13R
50	13	00093	520HF	0.4 67	ARC	ETL+ 1.1	KET03	13R
		00093	520HF	18.5 43	NT 99	ETL+ 1.1	KET03	13R
		00093	520HF	18.5 43	SCI	ETL+ 1.1	KET03	13R
		00093	520HF	0.4 77	ARC	ETL+ 4.9	KET03	13R
		00093	520HF	19.2 44	SCI	ETL+ 4.9	KET03	13R
		00093	520HF	19.2 44	NT 98	ETL+ 4.9	KET03	13R
51	15	00223	520HF	1.3 34	VOL	ETL+ 2.2	KET12	13R
		00223	520HF	1.3 34	ID 76	ETL+ 2.2	KET12	13R
		00223	520HF	Cr 0.30	Ax 0.18	ETL+ 2.2	KET12	13R
52	18	00095	520HF	0.2 30	INF	ETL+ 2.9	KET03	13R
53	20	00223	520HF	0.0 0	INF	ETL+ 5.1	KET22	13R
		00223	520HF	15.8 46	SCI	ETL+ 6.1	KET22	13R
		00223	520HF	15.8 46	OD 97	ETL+ 6.1	KET22	13R
		00223	520HF	0.3 60	ARC	ETL+ 6.1	KET22	13R
54	82	00181	520HF	0.3 23	ID 40	ETL+ 1.2	KET12	13R
		00181	520HF	Cr 0.15	Ax 0.18	ETL+ 1.2	KET12	13R
		00181	520HF	0.3 23	VOL	ETL+ 1.2	KET12	13R
		00181	520HF	Cr 0.29	Ax 0.25	ETL+ 3.8	KET12	13R
		00181	520HF	0.5 18	VOL	ETL+ 3.8	KET12	13R

THREE MILE ISLAND UNIT 1
OTSG-B
OUTAGE 13R
KINETIC EXPANSION INDICATIONS

Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00181	520HF	0.5 18	ID 27	ETL+ 3.8	KET12	13R
56	14	00093	520HF	0.6 18	VOL	ETL+ 2.3	KET12	13R
		00093	520HF	Cr 0.21	Ax 0.11	ETL+ 2.3	KET12	13R
		00093	520HF	0.6 18	ID 27	ETL+ 2.3	KET12	13R
63	14	00109	520HF	1.6 32	VOL	ETL+ 2.9	KET03	13R
		00109	520HF	1.6 32	ID 68	ETL+ 2.9	KET03	13R
		00109	520HF	Cr 0.34	Ax 0.24	ETL+ 2.9	KET03	13R
67	13	00223	520HF	15.0 41	SCI	ETL+ 6.5	KET22	13R
		00223	520HF	15.0 41	NT 100	ETL+ 6.5	KET22	13R
		00223	520HF	0.4 84	ARC	ETL+ 6.5	KET22	13R
71	33	00101	520HF	0.2 2	VOL	ETL+ 2.2	KET12	13R
		00101	520HF	0.2 2	ID 2	ETL+ 2.2	KET12	13R
		00101	520HF	Cr 0.13	Ax 0.12	ETL+ 2.2	KET12	13R
73	22	00103	520HF	1.2 31	ID 68	ETL+ 0.0	KET03	13R
		00103	520HF	1.2 31	SCI	ETL+ 0.0	KET03	13R
		00103	520HF	0.3 54	ARC	ETL+ 0.0	KET03	13R
		00103	520HF	Cr 0.21	Ax 0.28	ETL+ 4.8	KET03	13R
		00103	520HF	1.2 27	VOL	ETL+ 4.8	KET03	13R
		00103	520HF	1.2 27	ID 53	ETL+ 4.8	KET03	13R
		00103	520HF	Cr 0.16	Ax 0.17	ETL+ 5.2	KET03	13R
		00103	520HF	0.8 16	VOL	ETL+ 5.2	KET03	13R
		00103	520HF	0.8 16	ID 21	ETL+ 5.5	KET03	13R
73	23	00103	520HF	Cr 0.21	Ax 0.17	ETL+ 1.1	KET03	13R
		00103	520HF	0.6 25	ID 46	ETL+ 1.1	KET03	13R
		00103	520HF	0.6 25	VOL	ETL+ 1.1	KET03	13R
74	65	00149	520HF	3.3 43	NT 99	ETL+ 5.2	KET22	13R
		00149	520HF	3.3 43	SCI	ETL+ 5.2	KET22	13R
		00149	520HF	0.3 64	ARC	ETL+ 5.2	KET22	13R
76	64	00057	520HF	Cr 0.31	Ax 0.17	ETL+ 0.6	KET12	13R
		00057	520HF	1.4 30	ID 61	ETL+ 0.6	KET12	13R
		00057	520HF	1.4 30	VOL	ETL+ 0.6	KET12	13R
		00057	520HF	Cr 0.26	Ax 0.11	ETL+ 1.8	KET12	13R
		00057	520HF	1.2 26	VOL	ETL+ 1.8	KET12	13R
		00057	520HF	1.2 26	ID 49	ETL+ 1.8	KET12	13R
		00057	520HF	1.5 31	ID 65	ETL+ 4.5	KET12	13R
		00057	520HF	Cr 0.37	Ax 0.17	ETL+ 4.5	KET12	13R
		00057	520HF	1.5 31	VOL	ETL+ 4.5	KET12	13R
79	14	00163	520HF	0.0 0	INF	ETL+ 3.0	KET03	13R
79	16	00177	520HF	2.6 41	NT 100	ETL+ 3.0	KET03	13R
		00177	520HF	2.6 41	SCI	ETL+ 3.0	KET03	13R
		00177	520HF	0.3 65	ARC	ETL+ 3.0	KET03	13R
		00177	520HF	3.3 38	SCI	ETL+ 3.6	KET03	13R
		00177	520HF	0.4 70	ARC	ETL+ 3.6	KET03	13R
		00177	520HF	3.3 38	NT 88	ETL+ 3.6	KET03	13R
79	21	00177	520HF	0.0 0	INF	ETL+ 2.8	KET03	13R
		00177	520HF	0.0 0	INF	ETL+ 3.2	KET03	13R
79	56	00175	520HF	Cr 0.15	Ax 0.06	ETL+ 3.2	KET12	13R
		00175	520HF	0.4 24	ID 42	ETL+ 3.2	KET12	13R
		00175	520HF	0.4 24	VOL	ETL+ 3.2	KET12	13R
		00175	520HF	Cr 0.10	Ax 0.06	ETL+ 3.7	KET12	13R

THREE MILE ISLAND UNIT 1
OTSG-B
OUTAGE 13R
KINETIC EXPANSION INDICATIONS

Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00175	520HF	0.4 31	VOL	ETL+ 3.7	KET12	13R
		00175	520HF	0.4 31	ID 64	ETL+ 3.7	KET12	13R
		00175	520HF	0.4 29	VOL	ETL+ 4.3	KET12	13R
		00175	520HF	0.4 29	ID 58	ETL+ 4.3	KET12	13R
		00175	520HF	Cr 0.10	Ax 0.06	ETL+ 4.3	KET12	13R
80	62	00149	520HF	0.3 53	ARC	ETL+ 2.5	KET22	13R
		00149	520HF	3.1 39	SCI	ETL+ 2.5	KET22	13R
		00169	520HF	3.3 39	PID	ETL+ 2.5	KET22	13R
		00149	520HF	3.1 39	NT 96	ETL+ 2.5	KET22	13R
		00149	520HF	0.6 14	VOL	ETL+ 3.2	KET22	13R
		00149	520HF	Cr 0.19	Ax 0.16	ETL+ 3.2	KET22	13R
		00149	520HF	0.6 14	ID 19	ETL+ 3.2	KET22	13R
		00149	520HF	0.5 31	ID 65	ETL+ 5.9	KET22	13R
		00149	520HF	Cr 0.19	Ax 0.21	ETL+ 5.9	KET22	13R
		00149	520HF	0.5 31	VOL	ETL+ 5.9	KET22	13R
		00149	520HF	Cr 0.38	Ax 0.16	ETL+ 7.1	KET22	13R
		00149	520HF	2.3 32	ID 68	ETL+ 7.1	KET22	13R
		00149	520HF	2.3 32	VOL	ETL+ 7.1	KET22	13R
		00149	520HF	Cr 0.34	Ax 0.21	ETL+ 8.2	KET22	13R
		00149	520HF	1.3 30	ID 61	ETL+ 8.2	KET22	13R
		00149	520HF	1.3 30	VOL	ETL+ 8.2	KET22	13R
		00149	520HF	1.3 20	SVI	ETL+ 8.6	KET22	13R
		00424	520HF	1.6 26	PID	ETL+ 8.6	KET22	13R
		00149	520HF	Cr 0.34	Ax 0.27	ETL+ 8.6	KET22	13R
		00149	520HF	1.3 20	ID 32	ETL+ 8.6	KET22	13R
		00149	520HF	1.4 31	SVI	ETL+ 9.3	KET22	13R
		00149	520HF	1.4 31	ID 65	ETL+ 9.3	KET22	13R
		00149	520HF	Cr 0.43	Ax 0.48	ETL+ 9.3	KET22	13R
83	26	00239	520HF	2.6 39	SCI	ETL+ 5.1	KET22	13R
		00239	520HF	2.6 39	NT 95	ETL+ 5.1	KET22	13R
		00239	520HF	0.4 79	ARC	ETL+ 5.1	KET22	13R
84	8	00161	520HF	2.2 41	SCI	ETL+ 0.6	KET03	13R
		00161	520HF	2.2 41	NT 100	ETL+ 0.6	KET03	13R
		00161	520HF	0.3 58	ARC	ETL+ 0.6	KET03	13R
84	37	00185	520HF	0.6 21	ID 33	ETL+ 1.3	KET12	13R
		00185	520HF	Cr 0.20	Ax 0.17	ETL+ 1.3	KET12	13R
		00185	520HF	0.6 21	VOL	ETL+ 1.3	KET12	13R
86	28	00183	520HF	Cr 0.14	Ax 0.12	ETL+ 6.9	KET22	13R
		00183	520HF	0.4 20	VOL	ETL+ 6.9	KET22	13R
		00183	520HF	0.4 20	ID 32	ETL+ 6.9	KET22	13R
		00183	520HF	0.3 49	ARC	ETL+ 8.2	KET22	13R
		00183	520HF	1.3 29	ID 58	ETL+ 8.2	KET22	13R
		00183	520HF	1.3 29	SCI	ETL+ 8.2	KET22	13R
90	17	00239	520HF	0.2 42	ARC	ETL+ 7.4	KET22	13R
		00239	520HF	2.6 39	SCI	ETL+ 7.4	KET22	13R
		00239	520HF	2.6 39	NT 95	ETL+ 7.4	KET22	13R
90	33	00241	520HF	6.2 46	SCI	ETL+ 7.8	KET22	13R
		00241	520HF	0.4 69	ARC	ETL+ 7.8	KET22	13R
		00241	520HF	6.2 46	OD 97	ETL+ 7.8	KET22	13R
91	1	00161	520HF	0.9 24	VOL	ETL+ 2.5	KET12	13R

THREE MILE ISLAND UNIT 1
OTSG-B
OUTAGE 13R
KINETIC EXPANSION INDICATIONS

Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00161	520HF	0.9 24	ID 43	ETL+ 2.5	KET12	13R
		00161	520HF	Cr 0.14	Ax 0.10	ETL+ 2.5	KET12	13R
93	17	00239	520HF	9.9 47	OD 97	ETL+ 7.6	KET22	13R
		00239	520HF	0.3 61	ARC	ETL+ 7.6	KET22	13R
		00239	520HF	9.9 47	SCI	ETL+ 7.6	KET22	13R
93	41	00183	520HF	10.7 4	VOL	ETL+ 0.0	KET03	13R
		00183	520HF	1.4 7	ID 7	ETL+ 0.0	KET03	13R
		00183	520HF	Cr 0.10	Ax 0.23	ETL+ 0.0	KET03	13R
		00183	520HF	Cr 0.24	Ax 0.23	ETL+ 0.1	KET03	13R
		00183	520HF	0.3 10	ID 12	ETL+ 0.1	KET03	13R
		00183	520HF	0.3 10	VOL	ETL+ 0.1	KET03	13R
95	17	00241	520HF	0.6 114	ARC	ETL+ 7.0	KET22	13R
		00241	520HF	14.6 42	SCI	ETL+ 7.0	KET22	13R
		00241	520HF	14.6 42	NT 99	ETL+ 7.0	KET22	13R
96	94	00125	520HF	0.2 34	VOL	ETL+ 0.9	KET12	13R
		00125	520HF	Cr 0.20	Ax 0.15	ETL+ 0.9	KET12	13R
		00125	520HF	0.2 34	ID 75	ETL+ 0.9	KET12	13R
101	9	00163	520HF	9.2 50	MCI	ETL+ 1.3	KET12	13R
		00163	520HF	0.4 78	ARC	ETL+ 1.3	KET12	13R
		00163	520HF	9.2 50	OD 96	ETL+ 1.3	KET12	13R
102	8	00161	520HF	0.3 53	ARC	ETL+ 1.7	KET03	13R
		00161	520HF	15.3 43	SCI	ETL+ 1.7	KET03	13R
		00161	520HF	15.3 43	NT 99	ETL+ 1.7	KET03	13R
102	16	00197	520HF	0.6 27	VOL	ETL+ 1.0	KET03	13R
		00197	520HF	0.6 27	ID 52	ETL+ 1.0	KET03	13R
		00197	520HF	Cr 0.20	Ax 0.18	ETL+ 1.0	KET03	13R
		00197	520HF	0.2 22	INR	ETL+ 4.7	KET03	13R
105	11	00241	520HF	0.9 31	ID 64	ETL+ 1.7	KET22	13R
		00241	520HF	0.9 31	VOL	ETL+ 1.7	KET22	13R
		00241	520HF	Cr 0.25	Ax 0.24	ETL+ 1.7	KET22	13R
		00241	520HF	Cr 0.25	Ax 0.24	ETL+ 4.3	KET22	13R
		00241	520HF	0.5 29	VOL	ETL+ 4.3	KET22	13R
		00241	520HF	0.5 29	ID 57	ETL+ 4.3	KET22	13R
		00241	520HF	1.5 39	NT 95	ETL+ 5.9	KET22	13R
		00241	520HF	Cr 0.25	Ax 0.24	ETL+ 5.9	KET22	13R
		00241	520HF	1.5 39	VOL	ETL+ 5.9	KET22	13R
		00241	520HF	0.6 21	VOL	ETL+ 7.0	KET22	13R
		00241	520HF	0.6 21	ID 33	ETL+ 7.0	KET22	13R
		00241	520HF	Cr 0.20	Ax 0.24	ETL+ 7.0	KET22	13R
106	68	00113	520HF	Cr 0.10	Ax 0.11	ETL+ 1.0	KET03	13R
		00113	520HF	0.2 14	VOL	ETL+ 1.0	KET03	13R
		00113	520HF	0.2 14	ID 19	ETL+ 1.0	KET03	13R
109	5	00161	520HF	1.5 40	SCI	ETL+ 1.7	KET12	13R
		00161	520HF	0.3 49	ARC	ETL+ 1.7	KET12	13R
		00161	520HF	1.5 40	NT 100	ETL+ 1.7	KET12	13R
		00161	520HF	2.0 36	NT 83	ETL+ 3.2	KET12	13R
		00161	520HF	2.0 36	SCI	ETL+ 3.2	KET12	13R
		00161	520HF	0.3 58	ARC	ETL+ 3.2	KET12	13R
		00161	520HF	3.1 35	NT 79	ETL+ 4.4	KET12	13R
		00161	520HF	3.1 35	SCI	ETL+ 4.4	KET12	13R

THREE MILE ISLAND UNIT 1
OTSG-B
OUTAGE 13R
KINETIC EXPANSION INDICATIONS

Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00161	520HF	0.3 49	ARC	ETL+ 4.4	KET12	13R
109	45	00197	520HF	Cr 0.17	Ax 0.12	ETL+ 2.0	KET12	13R
		00197	520HF	1.0 25	VOL	ETL+ 2.0	KET12	13R
		00197	520HF	1.0 25	ID 46	ETL+ 2.0	KET12	13R
111	15	00197	520HF	0.5 87	ARC	ETL+ 6.1	KET22	13R
		00197	520HF	6.4 49	SCI	ETL+ 6.1	KET22	13R
		00197	520HF	6.4 49	OD 96	ETL+ 6.1	KET22	13R
111	23	00197	520HF	0.0 0	INF	ETL+ 7.5	KET22	13R
		00197	520HF	0.4 82	ARC	ETL+ 8.7	KET22	13R
		00197	520HF	4.3 41	SCI	ETL+ 8.7	KET22	13R
		00197	520HF	4.3 41	NT 100	ETL+ 8.7	KET22	13R
112	68	00253	520HF	0.3 59	ARC	ETL+ 6.5	KET22	13R
		00253	520HF	15.1 40	SCI	ETL+ 6.5	KET22	13R
		00253	520HF	15.1 40	NT 100	ETL+ 6.5	KET22	13R
		00253	520HF	0.3 54	ARC	ETL+ 7.4	KET22	13R
		00253	520HF	4.6 39	NT 95	ETL+ 7.4	KET22	13R
		00253	520HF	4.6 39	SCI	ETL+ 7.4	KET22	13R
114	66	00087	520HF	Cr 0.19	Ax 0.18	ETL+ 0.8	KET12	13R
		00087	520HF	0.2 21	ID 35	ETL+ 0.8	KET12	13R
		00087	520HF	0.9 21	VOL	ETL+ 0.8	KET12	13R
116	64	00087	520HF	0.9 24	VOL	ETL+ 1.7	KET12	13R
		00087	520HF	0.7 19	ID 30	ETL+ 1.7	KET12	13R
		00087	520HF	Cr 0.15	Ax 0.12	ETL+ 1.7	KET12	13R
116	66	00087	520HF	0.6 16	INR	ETL+ 2.2	KET03	13R
117	3	00161	520HF	1.3 32	SCI	ETL+ 1.3	KET03	13R
		00161	520HF	0.3 53	ARC	ETL+ 1.3	KET03	13R
		00161	520HF	1.3 32	ID 68	ETL+ 1.3	KET03	13R
119	21	00239	520HF	0.4 75	ARC	ETL+ 6.3	KET22	13R
		00239	520HF	5.5 39	NT 95	ETL+ 6.3	KET22	13R
		00239	520HF	5.5 39	SCI	ETL+ 6.3	KET22	13R
127	33	00249	520HF	0.3 7	ID 8	ETL+ 0.0	KET03	13R
		00249	520HF	Cr 0.20	Ax 0.20	ETL+ 0.0	KET03	13R
		00249	520HF	0.3 7	VOL	ETL+ 0.0	KET03	13R
		00249	520HF	Cr 0.17	Ax 0.12	ETL+ 2.1	KET03	13R
		00249	520HF	0.2 9	ID 11	ETL+ 2.1	KET03	13R
		00249	520HF	0.2 9	VOL	ETL+ 2.1	KET03	13R
129	22	00249	520HF	3.1 40	SCI	ETL+ 7.4	KET22	13R
		00249	520HF	3.1 40	NT 100	ETL+ 7.4	KET22	13R
		00249	520HF	0.3 90	ARC	ETL+ 7.4	KET22	13R
131	11	00249	520HF	0.6 36	NT 84	ETL+ 2.0	KET06	13R
		00249	520HF	0.6 36	VOL	ETL+ 2.0	KET06	13R
		00249	520HF	Cr 0.20	Ax 0.12	ETL+ 2.0	KET06	13R
131	15	00249	520HF	0.6 90	ARC	ETL+ 2.5	KET12	13R
		00249	520HF	1.2 25	SCI	ETL+ 2.5	KET12	13R
		00249	520HF	1.2 25	ID 47	ETL+ 2.5	KET12	13R
132	26	00249	520HF	2.5 30	SCI	ETL+ 1.8	KET03	13R
		00249	520HF	0.4 90	ARC	ETL+ 1.8	KET03	13R
		00249	520HF	2.5 30	ID 62	ETL+ 1.8	KET03	13R
132	32	00249	520HF	0.2 7	INR	ETL+ 0.6	KET03	13R
134	3	00251	520HF	0.4 26	ID 49	ETL+ 0.8	KET12	13R

THREE MILE ISLAND UNIT 1
OTSG-B
OUTAGE 13R
KINETIC EXPANSION INDICATIONS

Row	Tube	Reel	Probe	Volts/ Degrees	Origin/ Percent	Location	Data Set	Exam
		00251	520HF	Cr 0.22	Ax 0.24	ETL+ 0.8	KET12	13R
		00251	520HF	0.8 28	VOL	ETL+ 0.8	KET12	13R
134	28	00291	520HF	0.0 0	INF	ETL+ 7.9	KET22	13R
139	21	00291	520HF	0.5 19	VOL	ETL+ 2.4	KET12	13R
		00291	520HF	Cr 0.15	Ax 0.15	ETL+ 2.4	KET12	13R
		00291	520HF	0.5 19	ID 30	ETL+ 2.4	KET12	13R
		00291	520HF	1.1 30	ID 61	ETL+ 4.3	KET12	13R
		00291	520HF	1.1 30	VOL	ETL+ 4.3	KET12	13R
		00291	520HF	Cr 0.36	Ax 0.20	ETL+ 4.3	KET12	13R
146	10	00291	520HF	0.6 26	VOL	ETL+ 0.4	KET12	13R
		00291	520HF	Cr 0.21	Ax 0.15	ETL+ 0.4	KET12	13R
		00291	520HF	0.6 26	ID 49	ETL+ 0.4	KET12	13R
149	1	00259	520HF	1.3 33	ID 72	ETL+ 0.1	KET12	13R
		00259	520HF	1.3 33	SCI	ETL+ 0.1	KET12	13R
		00259	520HF	0.3 53	ARC	ETL+ 0.1	KET12	13R
		00259	520HF	Cr 0.14	Ax 0.12	ETL+ 3.5	KET12	13R
		00259	520HF	0.5 18	ID 27	ETL+ 3.5	KET12	13R
		00259	520HF	0.5 18	VOL	ETL+ 3.5	KET12	13R
		00259	520HF	0.5 22	VOL	ETL+ 3.7	KET12	13R
		00259	520HF	Cr 0.14	Ax 0.12	ETL+ 3.7	KET12	13R
		00259	520HF	0.5 22	ID 37	ETL+ 3.7	KET12	13R
151	4	00291	520HF	0.6 19	ID 30	ETL+ 0.1	KET12	13R
		00291	520HF	0.6 19	VOL	ETL+ 0.1	KET12	13R
		00291	520HF	Cr 0.20	Ax 0.20	ETL+ 0.1	KET12	13R

ENCLOSURE 1

NIS-1 TABLE 1

ABSTRACT OF ISI PRESSURE BOUNDARY AND COMPONENT SUPPORT EXAMINATIONS (EXCLUDING OTSG EDDY CURRENT)

TERMS AND DEFINITIONS

NIS-1 TABLE 1

ABSTRACT OF ISI PRESSURE BOUNDARY AND COMPONENT SUPPORT EXAMINATIONS

(EXCLUDING OTSG EDDY CURRENT)

TERMS AND DEFINITIONS

1. Explanation of Columnar Information

   A. **ASME Item No.** – Provides the assigned item number per ASME Section XI.

   B. **ASME Cat.** – Provides the assigned category number per ASME Section XI.

   C. **Identification** – Provides a unique identification for every component/subcomponent in the schedule. Tag number, suffix (when used), and code are all used to make up a unique identification for all components.

      1. **Tag Number** – This provides the highest level of identification for components.

      2. **Suffix** – Major components such as a steam generator have to be broken down to a subcomponent level in order to identify such things as specific welds. Suffix provides this further breakdown if necessary.

      3. **Code** – Provides the mechanical component code per TMI procedure EP-035T.

Several examples of identification are shown below:

Tag Number	Suffix	Code
RC-T-0001	**RV-0012**	**Weld**
(Reactor Vessel ID)	(Specific weld number)	(code for welds)

Tag Number	Suffix	Code
RC-P-0001A	**001MFM** (See Note 1)	**Bolt**
(Reactor Coolant Pump 1A)	(Main Flange bolt 1)	(code for bolts)

Tag Number	Suffix	Code
RC-0001		**Weld**
(nozzle-to-pipe weld identification)	(Not used for items which are not part of a major component)	(code for welds)

Note 1: M & Q is the designator used for Bolts and Nuts.

D. **Syst** – Provides an abbreviation for the system in which the component is located. See the listing below.

Abbreviation	System
BS	Reactor Building Spray
CF	Core Flood
CO	Condensate
DC	Decay Heat Closed Cooling
DH	Decay Heat Removal
EF	Emergency Feedwater
FW	Main Feedwater
HP	Hydrogen Purge
MS	Main Steam
MU	Make-Up and Purification
NS	Nuclear Services Closed Cooling
RC	Reactor Coolant
RR	Reactor Building Emergency Cooling
RW	River Water

E. **NDE Meth** – Lists the examination method applicable to each examination number. See the listing below.

Abbreviation	Examination Method
VIS	Visual Examination
MT	Magnetic Particle Examination
PT	Dye Penetrant Examination
RT	Radiographic Examination
UT	Ultrasonic Examination

F. **Exam Date/Reason** – Provides the examination completion date and the reason the component was examined.

Abbreviation	Reason for Performance of the Examination
PSI	The examination was a preservice examination required by ASME Section XI IWB-2200, IWC-2200, or IWD-2200.
ISI	The examination was performed as part of the normal inspection schedule required by ASME Section XI IWB-2420, IWC-2420, IWD-2420, or IWF-2420.
EXP	The examination was performed as part of an expanded sample as required by ASME Section XI IWB-2430, IWC-2430, IWD-2430, or IWF-2430.
FOL	The examination was a follow-up examination required per ASME Section XI IWB-2420, IWC-2420, IWD-2420, or IWF-2420.

G. **FROM DIAM./TO DIAM.**- This field designates the diameter of the component if applicable.

H. **REMARKS** – This is a field where applicable remarks may be entered if necessary.

ENCLOSURE 1

NIS-1 TABLE 1

ABSTRACT OF ISI PRESSURE BOUNDARY AND COMPONENT SUPPORT EXAMINATIONS (EXCLUDING OTSG EDDY CURRENT)

1. OWNER: Metropolitan Edison Compar 2800 Pottsville Pike, Reading, Pennsylvania
2. PLANT: Three Mile Island Nuclear Generating Station Route 441 South, Middletown, Pennsylvania
3. PLANT UNIT: 1
4. OWNER CERTIFICATION OF AUTHORIZATION (if required): None
5. COMMERCIAL SERVICE DATE: 09/02/74
6. NATIONAL BOARD NUMBER FOR UNIT: Reactor Vessel N-109

OUTAGE 13R
TABLE 1

ASME CAT	ASME ITEM NO	IDENTIFICATION TAG NUMBER SUFFIX	CODE	DESCRIPTION	SYST	NDE METH	EXAM DATE/ REASON	FROM DIAM./ TO DIAM.	REMARKS
B-A	B1.40	RC-T-0001		HEAD TO FLANGE WELD	RC	MT	100799	159.000	EXAMINE ADJACENT TO STUD HOLES 40
		RH-0001	WELD				ISI	159.000	THRU 1.
B-B	B2.70	MU-C-0001A		MANIFOLD LONG SEAM	MU	UT	093099	4.000	
		MU-1036L	WELD	WELD			ISI	4.000	
B-B	B2.70	MU-C-0001A		MANIFOLD LONG SEAM	MU	UT	092899	4.000	
		MU-1037L	WELD	WELD			ISI	4.000	
B-F	B5.130	DH-0001BM		BRANCH SAFE END WELD	DH	PT	101299	13.800	
			WELD				ISI	12.000	
B-F	B5.130	DH-0001BM		BRANCH SAFE END WELD	DH	UT	101299	13.800	
			WELD				ISI	12.000	
B-F	B5.130	RC-0043BM		PIPE TO PIPE WELD	RC	PT	100499	28.000	
			WELD				ISI	28.000	
B-F	B5.130	RC-0043BM		PIPE TO PIPE WELD	RC	UT	100799	28.000	
			WELD				ISI	28.000	
B-F	B5.130	RC-0043BM		PIPE TO PIPE WELD	RC	PT	101399	28.000	
			WELD				ISI	28.000	
B-F	B5.130	RC-0097BM		PIPE TO PIPE WELD	RC	PT	100899	28.000	
			WELD				ISI	28.000	
B-F	B5.130	RC-0097BM		PIPE TO PIPE WELD	RC	UT	100899	28.000	
			WELD				ISI	28.000	
B-F	B5.130	RC-0155BM		PIPE TO ELBOW WELD	RC	PT	100799	28.000	
			WELD				ISI	28.000	
B-F	B5.130	RC-0155BM		PIPE TO ELBOW WELD	RC	UT	100799	28.000	
			WELD				ISI	28.000	
B-F	B5.130	SP-0021BM		ELBOW TO SAFE END WELD	RC	PT	100799	4.000	
			WELD				ISI	4.000	
B-F	B5.130	SP-0021BM		ELBOW TO SAFE END WELD	RC	UT	100799	4.000	
			WELD				ISI	4.000	
B-F	B5.140	MU-0900BM		SAFE END TO NOZZLE WELD	MU	PT	100899	3.500	
			WELD				ISI	3.500	
B-F	B5.140	MU-0901BM		VALVE TO SAFE END WELD	MU	PT	100899	2.500	
			WELD				ISI	2.500	
B-F	B5.140	MU-0902BM		SAFE END TO NOZZLE WELD	MU	PT	101399	3.500	
			WELD				ISI	3.500	
B-F	B5.140	MU-0903BM		VALVE TO SAFE END WELD	MU	PT	101399	2.500	
			WELD				ISI	2.500	
B-F	B5.140	RC-0173BM		SAFE END TO ELBOW WELD	RC	PT	092999	1.500	
			WELD				ISI	1.500	
B-F	B5.140	RC-0205BM		SAFE END TO ELBOW WELD	RC	PT	100899	1.500	
			WELD				ISI	1.500	
B-F	B5.140	RC-0251BM		NOZZLE TO SAFE END WELD	RC	PT	100899	1.500	
			WELD				ISI	1.500	
B-F	B5.140	RC-0288BM		SAFE END TO ELBOW WELD	RC	PT	092999	1.500	
			WELD				ISI	1.500	

NIS-1 OWNERS DATA REPORT FOR SERVICE INSPECTION

1. OWNER: Metropolitan Edison Company 2800 Pottsville Pike, Reading, Pennsylvania
2. PLANT: Three Mile Island Nuclear Generating Station Route 441 South, Middletown, Pennsylvania
3. PLANT UNIT: 1
4. OWNER CERTIFICATION OF AUTHORIZATION (if required): None
5. COMMERCIAL SERVICE DATE: 09/02/74
6. NATIONAL BOARD NUMBER FOR UNIT: Reactor Vessel N-109

OUTAGE 13R
TABLE 1

ASME CAT	ASME ITEM NO	IDENTIFICATION TAG NUMBER SUFFIX	CODE	DESCRIPTION	SYST	NDE METH	EXAM DATE/ REASON	FROM DIAM./ TO DIAM.	REMARKS
B-F	B5.40	RC-T-0002 PR-0021BM	WELD	NOZZLE TO SAFE END WELD	RC	PT	100799 ISI	11.500 10.900	
B-G-1	B6.10	RC-T-0001 RH-0041M&Q	BOLT	HEAD STUD AND NUT	RC	MT	093099 ISI	6.500	
B-G-1	B6.10	RC-T-0001 RH-0042M&Q	BOLT	HEAD STUD AND NUT	RC	MT	093099 ISI	6.500	
B-G-1	B6.10	RC-T-0001 RH-0043M&Q	BOLT	HEAD STUD AND NUT	RC	MT	093099 ISI	6.500	
B-G-1	B6.10	RC-T-0001 RH-0044M&Q	BOLT	HEAD STUD AND NUT	RC	MT	093099 ISI	6.500	
B-G-1	B6.10	RC-T-0001 RH-0045M&Q	BOLT	HEAD STUD AND NUT	RC	MT	093099 ISI	6.500	
B-G-1	B6.10	RC-T-0001 RH-0046M&Q	BOLT	HEAD STUD AND NUT	RC	MT	093099 ISI	6.500	
B-G-1	B6.10	RC-T-0001 RH-0047M&Q	BOLT	HEAD STUD AND NUT	RC	MT	093099 ISI	6.500	
B-G-1	B6.10	RC-T-0001 RH-0048M&Q	BOLT	HEAD STUD AND NUT	RC	MT	093099 ISI	6.500	
B-G-1	B6.10	RC-T-0001 RH-0049M&Q	BOLT	HEAD STUD AND NUT	RC	MT	093099 ISI	6.500	
B-G-1	B6.10	RC-T-0001 RH-0050M&Q	BOLT	HEAD STUD AND NUT	RC	MT	093099 ISI	6.500	
B-G-1	B6.10	RC-T-0001 RH-0051M&Q	BOLT	HEAD STUD AND NUT	RC	MT	093099 ISI	6.500	
B-G-1	B6.10	RC-T-0001 RH-0052M&Q	BOLT	HEAD STUD AND NUT	RC	MT	093099 ISI	6.500	
B-G-1	B6.10	RC-T-0001 RH-0053M&Q	BOLT	HEAD STUD AND NUT	RC	MT	093099 ISI	6.500	
B-G-1	B6.10	RC-T-0001 RH-0054M&Q	BOLT	HEAD STUD AND NUT	RC	MT	093099 ISI	6.500	
B-G-1	B6.10	RC-T-0001 RH-0055M&Q	BOLT	HEAD STUD AND NUT	RC	MT	093099 ISI	6.500	
B-G-1	B6.10	RC-T-0001 RH-0056M&Q	BOLT	HEAD STUD AND NUT	RC	MT	093099 ISI	6.500	
B-G-1	B6.10	RC-T-0001 RH-0057M&Q	BOLT	HEAD STUD AND NUT	RC	MT	093099 ISI	6.500	
B-G-1	B6.10	RC-T-0001 RH-0058M&Q	BOLT	HEAD STUD AND NUT	RC	MT	093099 ISI	6.500	
B-G-1	B6.10	RC-T-0001 RH-0059M&Q	BOLT	HEAD STUD AND NUT	RC	MT	093099 ISI	6.500	
B-G-1	B6.10	RC-T-0001 RH-0060M&Q	BOLT	HEAD STUD AND NUT	RC	MT	093099 ISI	6.500	
B-G-1	B6.180	RC-P-0001C 001MFM	BOLT	MAIN FLANGE BOLT	RC	UT	101099 ISI	4.500	

NIS-1 OWNERS DATA REPORT FOR SERVICE INSPECTION

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4. OWNER CERTIFICATION OF AUTHORIZATION (if required): None
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OUTAGE 13R
TABLE 1

ASME CAT	ASME ITEM NO	IDENTIFICATION TAG NUMBER SUFFIX	CODE	DESCRIPTION	SYST	NDE METH	EXAM DATE/ REASON	FROM DIAM./ TO DIAM.	REMARKS
B-G-1	B6.180	RC-P-0001C 001MFM	BOLT	MAIN FLANGE BOLT	RC	UT	091799 PSI	4.500	REPLACEMENT STUD.
B-G-1	B6.180	RC-P-0001C 002MFM	BOLT	MAIN FLANGE BOLT	RC	UT	101099 ISI	4.500	
B-G-1	B6.180	RC-P-0001C 002MFM	BOLT	MAIN FLANGE BOLT	RC	UT	091799 PSI	4.500	REPLACEMENT STUD.
B-G-1	B6.180	RC-P-0001C 003MFM	BOLT	MAIN FLANGE BOLT	RC	UT	101099 ISI	4.500	
B-G-1	B6.180	RC-P-0001C 003MFM	BOLT	MAIN FLANGE BOLT	RC	UT	091799 PSI	4.500	REPLACEMENT STUD.
B-G-1	B6.180	RC-P-0001C 004MFM	BOLT	MAIN FLANGE BOLT	RC	UT	101099 ISI	4.500	
B-G-1	B6.180	RC-P-0001C 004MFM	BOLT	MAIN FLANGE BOLT	RC	UT	091799 PSI	4.500	REPLACEMENT STUD.
B-G-1	B6.180	RC-P-0001C 005MFM	BOLT	MAIN FLANGE BOLT	RC	UT	101099 ISI	4.500	
B-G-1	B6.180	RC-P-0001C 005MFM	BOLT	MAIN FLANGE BOLT	RC	UT	091799 PSI	4.500	REPLACEMENT STUD.
B-G-1	B6.180	RC-P-0001C 006MFM	BOLT	MAIN FLANGE BOLT	RC	UT	101099 ISI	4.500	
B-G-1	B6.180	RC-P-0001C 006MFM	BOLT	MAIN FLANGE BOLT	RC	UT	091799 PSI	4.500	REPLACEMENT STUD.
B-G-1	B6.180	RC-P-0001C 007MFM	BOLT	MAIN FLANGE BOLT	RC	UT	101099 ISI	4.500	
B-G-1	B6.180	RC-P-0001C 007MFM	BOLT	MAIN FLANGE BOLT	RC	UT	091799 PSI	4.500	REPLACEMENT STUD.
B-G-1	B6.180	RC-P-0001C 008MFM	BOLT	MAIN FLANGE BOLT	RC	UT	101099 ISI	4.500	
B-G-1	B6.180	RC-P-0001C 008MFM	BOLT	MAIN FLANGE BOLT	RC	UT	091799 PSI	4.500	REPLACEMENT STUD.
B-G-1	B6.180	RC-P-0001C 009MFM	BOLT	MAIN FLANGE BOLT	RC	UT	101099 ISI	4.500	
B-G-1	B6.180	RC-P-0001C 009MFM	BOLT	MAIN FLANGE BOLT	RC	UT	091799 PSI	4.500	REPLACEMENT STUD.
B-G-1	B6.180	RC-P-0001C 010MFM	BOLT	MAIN FLANGE BOLT	RC	UT	101099 ISI	4.500	
B-G-1	B6.180	RC-P-0001C 010MFM	BOLT	MAIN FLANGE BOLT	RC	UT	091799 PSI	4.500	REPLACEMENT STUD.
B-G-1	B6.180	RC-P-0001C 011MFM	BOLT	MAIN FLANGE BOLT	RC	UT	101099 ISI	4.500	
B-G-1	B6.180	RC-P-0001C 011MFM	BOLT	MAIN FLANGE BOLT	RC	UT	091799 PSI	4.500	REPLACEMENT STUD.
B-G-1	B6.180	RC-P-0001C 012MFM	BOLT	MAIN FLANGE BOLT	RC	UT	101099 ISI	4.500	

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OUTAGE 13R
TABLE 1

ASME CAT	ASME ITEM NO	IDENTIFICATION TAG NUMBER SUFFIX	CODE	DESCRIPTION	SYST	NDE METH	EXAM DATE/ REASON	FROM DIAM./ TO DIAM.	REMARKS
B-G-1	B6.180	RC-P-0001C 012MFM	BOLT	MAIN FLANGE BOLT	RC	UT	091799 PSI	4.500	REPLACEMENT STUD.
B-G-1	B6.180	RC-P-0001C 013MFM	BOLT	MAIN FLANGE BOLT	RC	UT	091799 PSI	4.500	REPLACEMENT STUD.
B-G-1	B6.180	RC-P-0001C 014MFM	BOLT	MAIN FLANGE BOLT	RC	UT	091799 PSI	4.500	REPLACEMENT STUD.
B-G-1	B6.180	RC-P-0001C 015MFM	BOLT	MAIN FLANGE BOLT	RC	UT	091799 PSI	4.500	REPLACEMENT STUD.
B-G-1	B6.180	RC-P-0001C 016MFM	BOLT	MAIN FLANGE BOLT	RC	UT	091799 PSI	4.500	REPLACEMENT STUD.
B-G-1	B6.180	RC-P-0001C 017MFM	BOLT	MAIN FLANGE BOLT	RC	UT	091799 PSI	4.500	REPLACEMENT STUD.
B-G-1	B6.180	RC-P-0001C 018MFM	BOLT	MAIN FLANGE BOLT	RC	UT	091799 PSI	4.500	REPLACEMENT STUD.
B-G-1	B6.180	RC-P-0001C 019MFM	BOLT	MAIN FLANGE BOLT	RC	UT	091799 PSI	4.500	REPLACEMENT STUD.
B-G-1	B6.180	RC-P-0001C 020MFM	BOLT	MAIN FLANGE BOLT	RC	UT	091799 PSI	4.500	REPLACEMENT STUD.
B-G-1	B6.180	RC-P-0001C 021MFM	BOLT	MAIN FLANGE BOLT	RC	UT	091799 PSI	4.500	REPLACEMENT STUD.
B-G-1	B6.180	RC-P-0001C 022MFM	BOLT	MAIN FLANGE BOLT	RC	UT	091799 PSI	4.500	REPLACEMENT STUD.
B-G-1	B6.180	RC-P-0001C 023MFM	BOLT	MAIN FLANGE BOLT	RC	UT	091799 PSI	4.500	REPLACEMENT STUD.
B-G-1	B6.180	RC-P-0001C 024MFM	BOLT	MAIN FLANGE BOLT	RC	UT	091799 PSI	4.500	REPLACEMENT STUD.
B-G-1	B6.190	RC-P-0001C 001MFF	BLTNG	MAIN FLANGE BOLTING	RC	VIS	100199 ISI	4.500	DISASSEMBLED FLANGE SURFACE.
B-G-1	B6.190	RC-P-0001C 002MFF	BLTNG	MAIN FLANGE BOLTING	RC	VIS	100199 ISI	4.500	DISASSEMBLED FLANGE SURFACE.
B-G-1	B6.190	RC-P-0001C 003MFF	BLTNG	MAIN FLANGE BOLTING	RC	VIS	100199 ISI	4.500	DISASSEMBLED FLANGE SURFACE.
B-G-1	B6.190	RC-P-0001C 004MFF	BLTNG	MAIN FLANGE BOLTING	RC	VIS	100199 ISI	4.500	DISASSEMBLED FLANGE SURFACE.
B-G-1	B6.190	RC-P-0001C 005MFF	BLTNG	MAIN FLANGE BOLTING	RC	VIS	100199 ISI	4.500	DISASSEMBLED FLANGE SURFACE.
B-G-1	B6.190	RC-P-0001C 006MFF	BLTNG	MAIN FLANGE BOLTING	RC	VIS	100199 ISI	4.500	DISASSEMBLED FLANGE SURFACE.
B-G-1	B6.190	RC-P-0001C 007MFF	BLTNG	MAIN FLANGE BOLTING	RC	VIS	100199 ISI	4.500	DISASSEMBLED FLANGE SURFACE.
B-G-1	B6.190	RC-P-0001C 008MFF	BLTNG	MAIN FLANGE BOLTING	RC	VIS	100199 ISI	4.500	DISASSEMBLED FLANGE SURFACE.
B-G-1	B6.190	RC-P-0001C 009MFF	BLTNG	MAIN FLANGE BOLTING	RC	VIS	100199 ISI	4.500	DISASSEMBLED FLANGE SURFACE.

1. OWNER: Metropolitan Edison Company 2800 Pottsville Pike, Reading, Pennsylvania
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4. OWNER CERTIFICATION OF AUTHORIZATION (if required): None
5. COMMERCIAL SERVICE DATE: 09/02/74
6. NATIONAL BOARD NUMBER FOR UNIT: Reactor Vessel N-109

OUTAGE 13R
TABLE 1

ASME CAT	ASME ITEM NO	IDENTIFICATION TAG NUMBER SUFFIX	CODE	DESCRIPTION	SYST	NDE METH	EXAM DATE/ REASON	FROM DIAM./ TO DIAM.	REMARKS
B-G-1	B6.190	RC-P-0001C 010MFF	BLTNG	MAIN FLANGE BOLTING	RC	VIS	100199 ISI	4.500	DISASSEMBLED FLANGE SURFACE.
B-G-1	B6.190	RC-P-0001C 011MFF	BLTNG	MAIN FLANGE BOLTING	RC	VIS	100199 ISI	4.500	DISASSEMBLED FLANGE SURFACE.
B-G-1	B6.190	RC-P-0001C 012MFF	BLTNG	MAIN FLANGE BOLTING	RC	VIS	100199 ISI	4.500	DISASSEMBLED FLANGE SURFACE.
B-G-1	B6.190	RC-P-0001C 013MFF	BLTNG	MAIN FLANGE BOLTING	RC	VIS	100199 ISI	4.500	DISASSEMBLED FLANGE SURFACE.
B-G-1	B6.190	RC-P-0001C 014MFF	BLTNG	MAIN FLANGE BOLTING	RC	VIS	100199 ISI	4.500	DISASSEMBLED FLANGE SURFACE.
B-G-1	B6.190	RC-P-0001C 015MFF	BLTNG	MAIN FLANGE BOLTING	RC	VIS	100199 ISI	4.500	DISASSEMBLED FLANGE SURFACE.
B-G-1	B6.190	RC-P-0001C 016MFF	BLTNG	MAIN FLANGE BOLTING	RC	VIS	100199 ISI	4.500	DISASSEMBLED FLANGE SURFACE.
B-G-1	B6.190	RC-P-0001C 017MFF	BLTNG	MAIN FLANGE BOLTING	RC	VIS	100199 ISI	4.500	DISASSEMBLED FLANGE SURFACE.
B-G-1	B6.190	RC-P-0001C 018MFF	BLTNG	MAIN FLANGE BOLTING	RC	VIS	100199 ISI	4.500	DISASSEMBLED FLANGE SURFACE.
B-G-1	B6.190	RC-P-0001C 019MFF	BLTNG	MAIN FLANGE BOLTING	RC	VIS	100199 ISI	4.500	DISASSEMBLED FLANGE SURFACE.
B-G-1	B6.190	RC-P-0001C 020MFF	BLTNG	MAIN FLANGE BOLTING	RC	VIS	100199 ISI	4.500	DISASSEMBLED FLANGE SURFACE.
B-G-1	B6.190	RC-P-0001C 021MFF	BLTNG	MAIN FLANGE BOLTING	RC	VIS	100199 ISI	4.500	DISASSEMBLED FLANGE SURFACE.
B-G-1	B6.190	RC-P-0001C 022MFF	BLTNG	MAIN FLANGE BOLTING	RC	VIS	100199 ISI	4.500	DISASSEMBLED FLANGE SURFACE.
B-G-1	B6.190	RC-P-0001C 023MFF	BLTNG	MAIN FLANGE BOLTING	RC	VIS	100199 ISI	4.500	DISASSEMBLED FLANGE SURFACE.
B-G-1	B6.190	RC-P-0001C 024MFF	BLTNG	MAIN FLANGE BOLTING	RC	VIS	100199 ISI	4.500	DISASSEMBLED FLANGE SURFACE.
B-G-1	B6.200	RC-P-0001C 001MFM	BOLT	MAIN FLANGE BOLT	RC	VIS	091799 PSI	4.500	NUT.
B-G-1	B6.200	RC-P-0001C 002MFM	BOLT	MAIN FLANGE BOLT	RC	VIS	091799 PSI	4.500	NUT.
B-G-1	B6.200	RC-P-0001C 003MFM	BOLT	MAIN FLANGE BOLT	RC	VIS	091799 PSI	4.500	NUT.
B-G-1	B6.200	RC-P-0001C 004MFM	BOLT	MAIN FLANGE BOLT	RC	VIS	091799 PSI	4.500	NUT.
B-G-1	B6.200	RC-P-0001C 005MFM	BOLT	MAIN FLANGE BOLT	RC	VIS	091799 PSI	4.500	NUT.
B-G-1	B6.200	RC-P-0001C 006MFM	BOLT	MAIN FLANGE BOLT	RC	VIS	091799 PSI	4.500	NUT.
B-G-1	B6.200	RC-P-0001C 007MFM	BOLT	MAIN FLANGE BOLT	RC	VIS	091799 PSI	4.500	NUT.

NIS-1 OWNERS DATA REPORT FOR IN SERVICE INSPECTION

1. OWNER: Metropolitan Edison Company 2800 Pottsville Pike, Reading, Pennsylvania
2. PLANT: Three Mile Island Nuclear Generating Station Route 441 South, Middletown, Pennsylvania
3. PLANT UNIT: 1
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OUTAGE 13R
TABLE 1

ASME CAT	ASME ITEM NO	IDENTIFICATION TAG NUMBER SUFFIX	CODE	DESCRIPTION	SYST	NDE METH	EXAM DATE/ REASON	FROM DIAM./ TO DIAM.	REMARKS
B-G-1	B6.200	RC-P-0001C 008MFM	BOLT	MAIN FLANGE BOLT	RC	VIS	091799 PSI	4.500	NUT.
B-G-1	B6.200	RC-P-0001C 009MFM	BOLT	MAIN FLANGE BOLT	RC	VIS	091799 PSI	4.500	NUT.
B-G-1	B6.200	RC-P-0001C 010MFM	BOLT	MAIN FLANGE BOLT	RC	VIS	091799 PSI	4.500	NUT.
B-G-1	B6.200	RC-P-0001C 011MFM	BOLT	MAIN FLANGE BOLT	RC	VIS	091799 PSI	4.500	NUT.
B-G-1	B6.200	RC-P-0001C 012MFM	BOLT	MAIN FLANGE BOLT	RC	VIS	091799 PSI	4.500	NUT.
B-G-1	B6.200	RC-P-0001C 013MFM	BOLT	MAIN FLANGE BOLT	RC	VIS	091799 PSI	4.500	NUT.
B-G-1	B6.200	RC-P-0001C 014MFM	BOLT	MAIN FLANGE BOLT	RC	VIS	091799 PSI	4.500	NUT.
B-G-1	B6.200	RC-P-0001C 015MFM	BOLT	MAIN FLANGE BOLT	RC	VIS	091799 PSI	4.500	NUT.
B-G-1	B6.200	RC-P-0001C 016MFM	BOLT	MAIN FLANGE BOLT	RC	VIS	091799 PSI	4.500	NUT.
B-G-1	B6.200	RC-P-0001C 017MFM	BOLT	MAIN FLANGE BOLT	RC	VIS	091799 PSI	4.500	NUT.
B-G-1	B6.200	RC-P-0001C 018MFM	BOLT	MAIN FLANGE BOLT	RC	VIS	091799 PSI	4.500	NUT.
B-G-1	B6.200	RC-P-0001C 019MFM	BOLT	MAIN FLANGE BOLT	RC	VIS	091799 PSI	4.500	NUT.
B-G-1	B6.200	RC-P-0001C 020MFM	BOLT	MAIN FLANGE BOLT	RC	VIS	091799 PSI	4.500	NUT.
B-G-1	B6.200	RC-P-0001C 021MFM	BOLT	MAIN FLANGE BOLT	RC	VIS	091799 PSI	4.500	NUT.
B-G-1	B6.200	RC-P-0001C 022MFM	BOLT	MAIN FLANGE BOLT	RC	VIS	091799 PSI	4.500	NUT.
B-G-1	B6.200	RC-P-0001C 023MFM	BOLT	MAIN FLANGE BOLT	RC	VIS	091799 PSI	4.500	NUT.
B-G-1	B6.200	RC-P-0001C 024MFM	BOLT	MAIN FLANGE BOLT	RC	VIS	091799 PSI	4.500	NUT.
B-G-1	B6.30	RC-T-0001 RH-0041M&Q	BOLT	HEAD STUD AND NUT	RC	MT	100199 ISI	6.500	
B-G-1	B6.30	RC-T-0001 RH-0041M&Q	BOLT	HEAD STUD AND NUT	RC	UT	100699 ISI	6.500	
B-G-1	B6.30	RC-T-0001 RH-0042M&Q	BOLT	HEAD STUD AND NUT	RC	MT	100199 ISI	6.500	
B-G-1	B6.30	RC-T-0001 RH-0042M&Q	BOLT	HEAD STUD AND NUT	RC	UT	093099 ISI	6.500	
B-G-1	B6.30	RC-T-0001 RH-0043M&Q	BOLT	HEAD STUD AND NUT	RC	MT	100199 ISI	6.500	

NIS-1 OWNERS DATA REPORT FOR ERVICE INSPECTION

TE: 01/07/00
E: 0007

1. OWNER: Metropolitan Edison Compar 2800 Pottsville Pike, Reading, Pennsylvania
2. PLANT: Three Mile Island Nuclear Generating Station Route 441 South, Middletown, Pennsylvania
3. PLANT UNIT: 1
4. OWNER CERTIFICATION OF AUTHORIZATION (if required): None
5. COMMERCIAL SERVICE DATE: 09/02/74
6. NATIONAL BOARD NUMBER FOR UNIT: Reactor Vessel N-109

OUTAGE 13R
TABLE 1

ASME CAT	ASME ITEM NO	IDENTIFICATION TAG NUMBER SUFFIX	CODE	DESCRIPTION	SYST	NDE METH	EXAM DATE/ REASON	FROM DIAM./ TO DIAM.	REMARKS
B-G-1	B6.30	RC-T-0001 RH-0043M&Q	BOLT	HEAD STUD AND NUT	RC	UT	093099 ISI	6.500	
B-G-1	B6.30	RC-T-0001 RH-0044M&Q	BOLT	HEAD STUD AND NUT	RC	MT	100199 ISI	6.500	
B-G-1	B6.30	RC-T-0001 RH-0044M&Q	BOLT	HEAD STUD AND NUT	RC	UT	093099 ISI	6.500	
B-G-1	B6.30	RC-T-0001 RH-0045M&Q	BOLT	HEAD STUD AND NUT	RC	MT	100199 ISI	6.500	
B-G-1	B6.30	RC-T-0001 RH-0045M&Q	BOLT	HEAD STUD AND NUT	RC	UT	093099 ISI	6.500	
B-G-1	B6.30	RC-T-0001 RH-0046M&Q	BOLT	HEAD STUD AND NUT	RC	MT	100199 ISI	6.500	
B-G-1	B6.30	RC-T-0001 RH-0046M&Q	BOLT	HEAD STUD AND NUT	RC	UT	093099 ISI	6.500	
B-G-1	B6.30	RC-T-0001 RH-0047M&Q	BOLT	HEAD STUD AND NUT	RC	MT	100199 ISI	6.500	
B-G-1	B6.30	RC-T-0001 RH-0047M&Q	BOLT	HEAD STUD AND NUT	RC	UT	093099 ISI	6.500	
B-G-1	B6.30	RC-T-0001 RH-0048M&Q	BOLT	HEAD STUD AND NUT	RC	MT	100199 ISI	6.500	
B-G-1	B6.30	RC-T-0001 RH-0048M&Q	BOLT	HEAD STUD AND NUT	RC	UT	093099 ISI	6.500	
B-G-1	B6.30	RC-T-0001 RH-0049M&Q	BOLT	HEAD STUD AND NUT	RC	MT	100199 ISI	6.500	
B-G-1	B6.30	RC-T-0001 RH-0049M&Q	BOLT	HEAD STUD AND NUT	RC	UT	093099 ISI	6.500	
B-G-1	B6.30	RC-T-0001 RH-0050M&Q	BOLT	HEAD STUD AND NUT	RC	UT	093099 ISI	6.500	
B-G-1	B6.30	RC-T-0001 RH-0050M&Q	BOLT	HEAD STUD AND NUT	RC	MT	100199 ISI	6.500	
B-G-1	B6.30	RC-T-0001 RH-0051M&Q	BOLT	HEAD STUD AND NUT	RC	MT	100199 ISI	6.500	
B-G-1	B6.30	RC-T-0001 RH-0051M&Q	BOLT	HEAD STUD AND NUT	RC	UT	093099 ISI	6.500	
B-G-1	B6.30	RC-T-0001 RH-0052M&Q	BOLT	HEAD STUD AND NUT	RC	MT	100199 ISI	6.500	
B-G-1	B6.30	RC-T-0001 RH-0052M&Q	BOLT	HEAD STUD AND NUT	RC	UT	093099 ISI	6.500	
B-G-1	B6.30	RC-T-0001 RH-0053M&Q	BOLT	HEAD STUD AND NUT	RC	MT	093099 ISI	6.500	
B-G-1	B6.30	RC-T-0001 RH-0053M&Q	BOLT	HEAD STUD AND NUT	RC	UT	093099 ISI	6.500	
B-G-1	B6.30	RC-T-0001 RH-0054M&Q	BOLT	HEAD STUD AND NUT	RC	MT	093099 ISI	6.500	

NIS-1 OWNERS DATA REPORT FOR SERVICE INSPECTION

1. OWNER: Metropolitan Edison Company 2800 Pottsville Pike, Reading, Pennsylvania
2. PLANT: Three Mile Island Nuclear Generating Station Route 441 South, Middletown, Pennsylvania
3. PLANT UNIT: 1
4. OWNER CERTIFICATION OF AUTHORIZATION (if required): None
5. COMMERCIAL SERVICE DATE: 09/02/74
6. NATIONAL BOARD NUMBER FOR UNIT: Reactor Vessel N-109

OUTAGE 13R
TABLE 1

ASME CAT	ASME ITEM NO	IDENTIFICATION TAG NUMBER SUFFIX	CODE	DESCRIPTION	SYST	NDE METH	EXAM DATE/ REASON	FROM DIAM./ TO DIAM.	REMARKS
B-G-1	B6.30	RC-T-0001 RH-0054M&Q	BOLT	HEAD STUD AND NUT	RC	UT	093099 ISI	6.500	
B-G-1	B6.30	RC-T-0001 RH-0055M&Q	BOLT	HEAD STUD AND NUT	RC	MT	100199 ISI	6.500	
B-G-1	B6.30	RC-T-0001 RH-0055M&Q	BOLT	HEAD STUD AND NUT	RC	UT	093099 ISI	6.500	
B-G-1	B6.30	RC-T-0001 RH-0056M&Q	BOLT	HEAD STUD AND NUT	RC	MT	100199 ISI	6.500	
B-G-1	B6.30	RC-T-0001 RH-0056M&Q	BOLT	HEAD STUD AND NUT	RC	UT	093099 ISI	6.500	
B-G-1	B6.30	RC-T-0001 RH-0057M&Q	BOLT	HEAD STUD AND NUT	RC	MT	100199 ISI	6.500	
B-G-1	B6.30	RC-T-0001 RH-0057M&Q	BOLT	HEAD STUD AND NUT	RC	UT	093099 ISI	6.500	
B-G-1	B6.30	RC-T-0001 RH-0058M&Q	BOLT	HEAD STUD AND NUT	RC	MT	100199 ISI	6.500	
B-G-1	B6.30	RC-T-0001 RH-0058M&Q	BOLT	HEAD STUD AND NUT	RC	UT	093099 ISI	6.500	
B-G-1	B6.30	RC-T-0001 RH-0059M&Q	BOLT	HEAD STUD AND NUT	RC	MT	100199 ISI	6.500	
B-G-1	B6.30	RC-T-0001 RH-0059M&Q	BOLT	HEAD STUD AND NUT	RC	UT	093099 ISI	6.500	
B-G-1	B6.30	RC-T-0001 RH-0060M&Q	BOLT	HEAD STUD AND NUT	RC	MT	100199 ISI	6.500	
B-G-1	B6.30	RC-T-0001 RH-0060M&Q	BOLT	HEAD STUD AND NUT	RC	UT	093099 ISI	6.500	
B-G-1	B6.40	RC-T-0001 RH-0041F	FLANGE	FLANGE LIGAMENTS	RC	UT	101299 ISI	6.500	
B-G-1	B6.40	RC-T-0001 RH-0042F	FLANGE	FLANGE LIGAMENTS	RC	UT	101299 ISI	6.500	
B-G-1	B6.40	RC-T-0001 RH-0043F	FLANGE	FLANGE LIGAMENTS	RC	UT	101299 ISI	6.500	
B-G-1	B6.40	RC-T-0001 RH-0044F	FLANGE	FLANGE LIGAMENTS	RC	UT	101299 ISI	6.500	
B-G-1	B6.40	RC-T-0001 RH-0045F	FLANGE	FLANGE LIGAMENTS	RC	UT	101299 ISI	6.500	
B-G-1	B6.40	RC-T-0001 RH-0046F	FLANGE	FLANGE LIGAMENTS	RC	UT	101299 ISI	6.500	
B-G-1	B6.40	RC-T-0001 RH-0047F	FLANGE	FLANGE LIGAMENTS	RC	UT	101299 ISI	6.500	
B-G-1	B6.40	RC-T-0001 RH-0048F	FLANGE	FLANGE LIGAMENTS	RC	UT	101299 ISI	6.500	
B-G-1	B6.40	RC-T-0001 RH-0049F	FLANGE	FLANGE LIGAMENTS	RC	UT	101299 ISI	6.500	

NIS-1 OWNERS DATA REPORT FOR SERVICE INSPECTION

1. OWNER: Metropolitan Edison Company 2800 Pottsville Pike, Reading, Pennsylvania
2. PLANT: Three Mile Island Nuclear Generating Station Route 441 South, Middletown, Pennsylvania
3. PLANT UNIT: 1
4. OWNER CERTIFICATION OF AUTHORIZATION (if required): None
5. COMMERCIAL SERVICE DATE: 09/02/74
6. NATIONAL BOARD NUMBER FOR UNIT: Reactor Vessel N-109

OUTAGE 13R
TABLE 1

ASME CAT	ASME ITEM NO	IDENTIFICATION TAG NUMBER SUFFIX	CODE	DESCRIPTION	SYST	NDE METH	EXAM DATE/ REASON	FROM DIAM./ TO DIAM.	REMARKS
B-G-1	B6.40	RC-T-0001 RH-0050F	FLANGE	FLANGE LIGAMENTS	RC	UT	101299 ISI	6.500	
B-G-1	B6.40	RC-T-0001 RH-0051F	FLANGE	FLANGE LIGAMENTS	RC	UT	101299 ISI	6.500	
B-G-1	B6.40	RC-T-0001 RH-0052F	FLANGE	FLANGE LIGAMENTS	RC	UT	101299 ISI	6.500	
B-G-1	B6.40	RC-T-0001 RH-0053F	FLANGE	FLANGE LIGAMENTS	RC	UT	101299 ISI	6.500	
B-G-1	B6.40	RC-T-0001 RH-0054F	FLANGE	FLANGE LIGAMENTS	RC	UT	101299 ISI	6.500	
B-G-1	B6.40	RC-T-0001 RH-0055F	FLANGE	FLANGE LIGAMENTS	RC	UT	101299 ISI	6.500	
B-G-1	B6.40	RC-T-0001 RH-0056F	FLANGE	FLANGE LIGAMENTS	RC	UT	101299 ISI	6.500	
B-G-1	B6.40	RC-T-0001 RH-0057F	FLANGE	FLANGE LIGAMENTS	RC	UT	101299 ISI	6.500	
B-G-1	B6.40	RC-T-0001 RH-0058F	FLANGE	FLANGE LIGAMENTS	RC	UT	101299 ISI	6.500	
B-G-1	B6.40	RC-T-0001 RH-0059F	FLANGE	FLANGE LIGAMENTS	RC	UT	101299 ISI	6.500	
B-G-1	B6.40	RC-T-0001 RH-0060F	FLANGE	FLANGE LIGAMENTS	RC	UT	101299 ISI	6.500	
B-G-1	B6.50	RC-T-0001 RH-0041W	BOLT	SPHERICAL WASHERS	RC	VIS	093099 ISI	6.500	
B-G-1	B6.50	RC-T-0001 RH-0042W	BOLT	SPHERICAL WASHERS	RC	VIS	093099 ISI	6.500	
B-G-1	B6.50	RC-T-0001 RH-0043W	BOLT	SPHERICAL WASHERS	RC	VIS	093099 ISI	6.500	
B-G-1	B6.50	RC-T-0001 RH-0044W	BOLT	SPHERICAL WASHERS	RC	VIS	093099 ISI	6.500	
B-G-1	B6.50	RC-T-0001 RH-0045W	BOLT	SPHERICAL WASHERS	RC	VIS	093099 ISI	6.500	
B-G-1	B6.50	RC-T-0001 RH-0046W	BOLT	SPHERICAL WASHERS	RC	VIS	093099 ISI	6.500	
B-G-1	B6.50	RC-T-0001 RH-0047W	BOLT	SPHERICAL WASHERS	RC	VIS	093099 ISI	6.500	
B-G-1	B6.50	RC-T-0001 RH-0048W	BOLT	SPHERICAL WASHERS	RC	VIS	093099 ISI	6.500	
B-G-1	B6.50	RC-T-0001 RH-0049W	BOLT	SPHERICAL WASHERS	RC	VIS	093099 ISI	6.500	
B-G-1	B6.50	RC-T-0001 RH-0050W	BOLT	SPHERICAL WASHERS	RC	VIS	093099 ISI	6.500	
B-G-1	B6.50	RC-T-0001 RH-0051W	BOLT	SPHERICAL WASHERS	RC	VIS	093099 ISI	6.500	

1. OWNER: Metropolitan Edison Compa 2800 Pottsville Pike, Reading, Pennsylvania
2. PLANT: Three Mile Island Nuclear Generating Station Route 441 South, Middletown, Pennsylvania
3. PLANT UNIT: 1
4. OWNER CERTIFICATION OF AUTHORIZATION (if required): None
5. COMMERCIAL SERVICE DATE: 09/02/74
6. NATIONAL BOARD NUMBER FOR UNIT: Reactor Vessel N-109

OUTAGE 13R
TABLE 1

ASME CAT	ASME ITEM NO	IDENTIFICATION TAG NUMBER SUFFIX	CODE	DESCRIPTION	SYST	NDE METH	EXAM DATE/ REASON	FROM DIAM./ TO DIAM.	REMARKS
B-G-1	B6.50	RC-T-0001 RH-0052W	BOLT	SPHERICAL WASHERS	RC	VIS	093099 ISI	6.500	
B-G-1	B6.50	RC-T-0001 RH-0053W	BOLT	SPHERICAL WASHERS	RC	VIS	100299 ISI	6.500	
B-G-1	B6.50	RC-T-0001 RH-0054W	BOLT	SPHERICAL WASHERS	RC	VIS	093099 ISI	6.500	
B-G-1	B6.50	RC-T-0001 RH-0055W	BOLT	SPHERICAL WASHERS	RC	VIS	093099 ISI	6.500	
B-G-1	B6.50	RC-T-0001 RH-0056W	BOLT	SPHERICAL WASHERS	RC	VIS	093099 ISI	6.500	
B-G-1	B6.50	RC-T-0001 RH-0057W	BOLT	SPHERICAL WASHERS	RC	VIS	093099 ISI	6.500	
B-G-1	B6.50	RC-T-0001 RH-0058W	BOLT	SPHERICAL WASHERS	RC	VIS	093099 ISI	6.500	
B-G-1	B6.50	RC-T-0001 RH-0059W	BOLT	SPHERICAL WASHERS	RC	VIS	093099 ISI	6.500	
B-G-1	B6.50	RC-T-0001 RH-0060W	BOLT	SPHERICAL WASHERS	RC	VIS	093099 ISI	6.500	
B-G-2	B7.20	RC-T-0002 RC-0274-BT	FLANGE	RC-RV-2 INLET FLANGE BOLTING	RC	VIS	100799 ISI	1.125	
B-G-2	B7.30	RC-H-0001A LPH-BT	BLTNG	LOWER PRIMARY HANDHOLE BOLTING	RC	VIS	101499 ISI	1.000	
B-G-2	B7.30	RC-H-0001A LPM-BT	BLTNG	LOWER PRIMARY MANWAY BOLTING	RC	VIS	101499 ISI	2.000	
B-G-2	B7.60	RC-P-0001C LSHBT	BLTNG	LOWER SEAL HOUSING BOLTING	RC	VIS	091499 PSI	4.500	
B-G-2	B7.70	CF-V-0004B	BOLT	HINGE PIN RETAINER BOLTS	CF	VIS	091799 ISI	2.000	
B-G-2	B7.70	RC-V-0002	BLTNG	BONNET BOLTING	RC	VIS	100799 ISI	2.500	
B-G-2	B7.80	RDU-0001 CRDM-001	FLANGE	FLANGE BOLTING	RC	VIS	092999 ISI	1.000	
B-G-2	B7.80	RDU-0002 CRDM-002	FLANGE	FLANGE BOLTING	RC	VIS	092499 ISI	1.000	
B-G-2	B7.80	RDU-0003 CRDM-003	FLANGE	FLANGE BOLTING	RC	VIS	092499 ISI	1.000	
B-G-2	B7.80	RDU-0004 CRDM-004	FLANGE	FLANGE BOLTING	RC	VIS	092499 ISI	1.000	
B-G-2	B7.80	RDU-0005 CRDM-005	FLANGE	FLANGE BOLTING	RC	VIS	092499 ISI	1.000	
B-G-2	B7.80	RDU-0006 CRDM-006	FLANGE	FLANGE BOLTING	RC	VIS	092999 ISI	1.000	
B-G-2	B7.80	RDU-0007 CRDM-007	FLANGE	FLANGE BOLTING	RC	VIS	092999 ISI	1.000	

NIS-1 OWNERS DATA REPORT FOR ERVICE INSPECTION

1. OWNER: Metropolitan Edison Compa 2800 Pottsville Pike, Reading, Pennsylvania
2. PLANT: Three Mile Island Nuclear Generating Station Route 441 South, Middletown, Pennsylvania
3. PLANT UNIT: 1
4. OWNER CERTIFICATION OF AUTHORIZATION (if required): None
5. COMMERCIAL SERVICE DATE: 09/02/74
6. NATIONAL BOARD NUMBER FOR UNIT: Reactor Vessel N-109

OUTAGE 13R
TABLE 1

ASME CAT	ASME ITEM NO	IDENTIFICATION TAG NUMBER SUFFIX	CODE	DESCRIPTION	SYST	NDE METH	EXAM DATE/ REASON	FROM DIAM./ TO DIAM.	REMARKS
B-G-2	B7.80	RDU-0008		FLANGE BOLTING	RC	VIS	092999	1.000	
		CRDM-008	FLANGE				ISI		
B-G-2	B7.80	RDU-0009		FLANGE BOLTING	RC	VIS	092499	1.000	
		CRDM-009	FLANGE				ISI		
B-G-2	B7.80	RDU-0010		FLANGE BOLTING	RC	VIS	092499	1.000	
		CRDM-010	FLANGE				ISI		
B-G-2	B7.80	RDU-0011		FLANGE BOLTING	RC	VIS	100299	1.000	
		CRDM-011	FLANGE				ISI		
B-G-2	B7.80	RDU-0012		FLANGE BOLTING	RC	VIS	092499	1.000	
		CRDM-012	FLANGE				ISI		
B-G-2	B7.80	RDU-0013		FLANGE BOLTING	RC	VIS	092499	1.000	
		CRDM-013	FLANGE				ISI		
B-G-2	B7.80	RDU-0014		FLANGE BOLTING	RC	VIS	092499	1.000	
		CRDM-014	FLANGE				ISI		
B-G-2	B7.80	RDU-0015		FLANGE BOLTING	RC	VIS	092499	1.000	
		CRDM-015	FLANGE				ISI		
B-G-2	B7.80	RDU-0016		FLANGE BOLTING	RC	VIS	092499	1.000	
		CRDM-016	FLANGE				ISI		
B-G-2	B7.80	RDU-0017		FLANGE BOLTING	RC	VIS	092499	1.000	
		CRDM-017	FLANGE				ISI		
B-G-2	B7.80	RDU-0018		FLANGE BOLTING	RC	VIS	092999	1.000	SEE TABLE 2.
		CRDM-018	FLANGE				ISI		
B-G-2	B7.80	RDU-0019		FLANGE BOLTING	RC	VIS	092499	1.000	
		CRDM-019	FLANGE				ISI		
B-G-2	B7.80	RDU-0020		FLANGE BOLTING	RC	VIS	092999	1.000	SEE TABLE 2.
		CRDM-020	FLANGE				ISI		
B-G-2	B7.80	RDU-0021		FLANGE BOLTING	RC	VIS	092999	1.000	
		CRDM-021	FLANGE				ISI		
B-G-2	B7.80	RDU-0022		FLANGE BOLTING	RC	VIS	092499	1.000	
		CRDM-022	FLANGE				ISI		
B-G-2	B7.80	RDU-0023		FLANGE BOLTING	RC	VIS	092499	1.000	
		CRDM-023	FLANGE				ISI		
B-G-2	B7.80	RDU-0024		FLANGE BOLTING	RC	VIS	092499	1.000	
		CRDM-024	FLANGE				ISI		
B-G-2	B7.80	RDU-0025		FLANGE BOLTING	RC	VIS	092999	1.000	SEE TABLE 2.
		CRDM-025	FLANGE				ISI		
B-G-2	B7.80	RDU-0026		FLANGE BOLTING	RC	VIS	092499	1.000	
		CRDM-026	FLANGE				ISI		
B-G-2	B7.80	RDU-0027		FLANGE BOLTING	RC	VIS	092999	1.000	SEE TABLE 2.
		CRDM-027	FLANGE				ISI		
B-G-2	B7.80	RDU-0028		FLANGE BOLTING	RC	VIS	092499	1.000	
		CRDM-028	FLANGE				ISI		
B-G-2	B7.80	RDU-0029		FLANGE BOLTING	RC	VIS	092499	1.000	
		CRDM-029	FLANGE				ISI		

NIS-1 OWNERS DATA REPORT FOR ERVICE INSPECTION

1. OWNER: Metropolitan Edison Compar 2800 Pottsville Pike, Reading, Pennsylvania
2. PLANT: Three Mile Island Nuclear Generating Station Route 441 South, Middletown, Pennsylvania
3. PLANT UNIT: 1
4. OWNER CERTIFICATION OF AUTHORIZATION (if required): None
5. COMMERCIAL SERVICE DATE: 09/02/74
6. NATIONAL BOARD NUMBER FOR UNIT: Reactor Vessel N-109

OUTAGE 13R
TABLE 1

ASME CAT	ASME ITEM NO	IDENTIFICATION TAG NUMBER SUFFIX	CODE	DESCRIPTION	SYST	NDE METH	EXAM DATE/ REASON	FROM DIAM./ TO DIAM.	REMARKS
B-G-2	B7.80	RDU-0030 CRDM-030	FLANGE	FLANGE BOLTING	RC	VIS	092499 ISI	1.000	
B-G-2	B7.80	RDU-0031 CRDM-031	FLANGE	FLANGE BOLTING	RC	VIS	092499 ISI	1.000	
B-G-2	B7.80	RDU-0032 CRDM-032	FLANGE	FLANGE BOLTING	RC	VIS	092499 ISI	1.000	
B-G-2	B7.80	RDU-0033 CRDM-033	FLANGE	FLANGE BOLTING	RC	VIS	092999 ISI	1.000	SEE TABLE 2.
B-G-2	B7.80	RDU-0034 CRDM-034	FLANGE	FLANGE BOLTING	RC	VIS	092499 ISI	1.000	
B-G-2	B7.80	RDU-0035 CRDM-035	FLANGE	FLANGE BOLTING	RC	VIS	092499 ISI	1.000	
B-G-2	B7.80	RDU-0036 CRDM-036	FLANGE	FLANGE BOLTING	RC	VIS	092499 ISI	1.000	
B-G-2	B7.80	RDU-0037 CRDM-037	FLANGE	FLANGE BOLTING	RC	VIS	092499 ISI	1.000	
B-G-2	B7.80	RDU-0038 CRDM-038	FLANGE	FLANGE BOLTING	RC	VIS	092499 ISI	1.000	
B-G-2	B7.80	RDU-0039 CRDM-039	FLANGE	FLANGE BOLTING	RC	VIS	092499 ISI	1.000	
B-G-2	B7.80	RDU-0040 CRDM-040	FLANGE	FLANGE BOLTING	RC	VIS	092499 ISI	1.000	
B-G-2	B7.80	RDU-0041 CRDM-041	FLANGE	FLANGE BOLTING	RC	VIS	092999 ISI	1.000	SEE TABLE 2.
B-G-2	B7.80	RDU-0042 CRDM-042	FLANGE	FLANGE BOLTING	RC	VIS	092499 ISI	1.000	
B-G-2	B7.80	RDU-0043 CRDM-043	FLANGE	FLANGE BOLTING	RC	VIS	092499 ISI	1.000	
B-G-2	B7.80	RDU-0044 CRDM-044	FLANGE	FLANGE BOLTING	RC	VIS	092499 ISI	1.000	
B-G-2	B7.80	RDU-0045 CRDM-045	FLANGE	FLANGE BOLTING	RC	VIS	092999 ISI	1.000	SEE TABLE 2.
B-G-2	B7.80	RDU-0046 CRDM-046	FLANGE	FLANGE BOLTING	RC	VIS	092499 ISI	1.000	
B-G-2	B7.80	RDU-0047 CRDM-047	FLANGE	FLANGE BOLTING	RC	VIS	092499 ISI	1.000	
B-G-2	B7.80	RDU-0048 CRDM-048	FLANGE	FLANGE BOLTING	RC	VIS	092499 ISI	1.000	
B-G-2	B7.80	RDU-0049 CRDM-049	FLANGE	FLANGE BOLTING	RC	VIS	092499 ISI	1.000	
B-G-2	B7.80	RDU-0050 CRDM-050	FLANGE	FLANGE BOLTING	RC	VIS	092499 ISI	1.000	
B-G-2	B7.80	RDU-0051 CRDM-051	FLANGE	FLANGE BOLTING	RC	VIS	092499 ISI	1.000	

1. OWNER: Metropolitan Edison Company 2800 Pottsville Pike, Reading, Pennsylvania
2. PLANT: Three Mile Island Nuclear Generating Station Route 441 South, Middletown, Pennsylvania
3. PLANT UNIT: 1
4. OWNER CERTIFICATION OF AUTHORIZATION (if required): None
5. COMMERCIAL SERVICE DATE: 09/02/74
6. NATIONAL BOARD NUMBER FOR UNIT: Reactor Vessel N-109

OUTAGE 13R
TABLE 1

ASME CAT	ASME ITEM NO	IDENTIFICATION TAG NUMBER SUFFIX	CODE	DESCRIPTION	SYST	NDE METH	EXAM DATE/ REASON	FROM DIAM./ TO DIAM.	REMARKS
B-G-2	B7.80	RDU-0052		FLANGE BOLTING	RC	VIS	092499	1.000	
		CRDM-052	FLANGE				ISI		
B-G-2	B7.80	RDU-0053		FLANGE BOLTING	RC	VIS	092499	1.000	
		CRDM-053	FLANGE				ISI		
B-G-2	B7.80	RDU-0054		FLANGE BOLTING	RC	VIS	092499	1.000	
		CRDM-054	FLANGE				ISI		
B-G-2	B7.80	RDU-0055		FLANGE BOLTING	RC	VIS	092499	1.000	
		CRDM-055	FLANGE				ISI		
B-G-2	B7.80	RDU-0056		FLANGE BOLTING	RC	VIS	092499	1.000	
		CRDM-056	FLANGE				ISI		
B-G-2	B7.80	RDU-0057		FLANGE BOLTING	RC	VIS	092499	1.000	
		CRDM-057	FLANGE				ISI		
B-G-2	B7.80	RDU-0058		FLANGE BOLTING	RC	VIS	092499	1.000	
		CRDM-058	FLANGE				ISI		
B-G-2	B7.80	RDU-0059		FLANGE BOLTING	RC	VIS	092499	1.000	
		CRDM-059	FLANGE				ISI		
B-G-2	B7.80	RDU-0060		FLANGE BOLTING	RC	VIS	092499	1.000	
		CRDM-060	FLANGE				ISI		
B-G-2	B7.80	RDU-0061		FLANGE BOLTING	RC	VIS	092999	1.000	SEE TABLE 2.
		CRDM-061	FLANGE				ISI		
B-G-2	B7.80	RDU-0062		FLANGE BOLTING	RC	VIS	092499	1.000	
		CRDM-062	FLANGE				ISI		
B-G-2	B7.80	RDU-0063		FLANGE BOLTING	RC	VIS	092499	1.000	
		CRDM-063	FLANGE				ISI		
B-G-2	B7.80	RDU-0064		FLANGE BOLTING	RC	VIS	092499	1.000	
		CRDM-064	FLANGE				ISI		
B-G-2	B7.80	RDU-0065		FLANGE BOLTING	RC	VIS	092499	1.000	
		CRDM-065	FLANGE				ISI		
B-G-2	B7.80	RDU-0066		FLANGE BOLTING	RC	VIS	092999	1.000	SEE TABLE 2.
		CRDM-066	FLANGE				ISI		
B-G-2	B7.80	RDU-0067		FLANGE BOLTING	RC	VIS	092499	1.000	
		CRDM-067	FLANGE				ISI		
B-G-2	B7.80	RDU-0068		FLANGE BOLTING	RC	VIS	092499	1.000	
		CRDM-068	FLANGE				ISI		
B-G-2	B7.80	RDU-0069		FLANGE BOLTING	RC	VIS	092499	1.000	
		CRDM-069	FLANGE				ISI		
B-H	B8.30	RC-H-0001B		HEAD TO TRANSITION RING W	RC	MT	091899	146.000	
		SG-0013	WELD	ELD			ISI	146.000	
B-H	B8.30	RC-H-0001B		HEAD TO TRANSITION RING W	RC	VIS	091899	146.000	
		SG-0013	WELD	ELD			ISI	146.000	
B-J	B9.11	DH-0056		PIPE TO PIPE WELD	DH	PT	101599	12.000	
			WELD				ISI	12.000	
B-J	B9.11	DH-0056		PIPE TO PIPE WELD	DH	UT	101599	12.000	
			WELD				ISI	12.000	

NIS-1 OWNERS DATA REPORT FOR IN-SERVICE INSPECTION

1. OWNER: Metropolitan Edison Company 2800 Pottsville Pike, Reading, Pennsylvania
2. PLANT: Three Mile Island Nuclear Generating Station Route 441 South, Middletown, Pennsylvania
3. PLANT UNIT: 1
4. OWNER CERTIFICATION OF AUTHORIZATION (if required): None
5. COMMERCIAL SERVICE DATE: 09/02/74
6. NATIONAL BOARD NUMBER FOR UNIT: Reactor Vessel N-109

OUTAGE 13R
TABLE 1

ASME CAT	ASME ITEM NO	IDENTIFICATION TAG NUMBER SUFFIX	CODE	DESCRIPTION	SYST	NDE METH	EXAM DATE/ REASON	FROM DIAM./ TO DIAM.	REMARKS
B-J	B9.11	RC-0044	WELD	PIPE TO PUMP WELD	RC	PT	100799 ISI	31.000 28.000	
B-J	B9.11	RC-0044	WELD	PIPE TO PUMP WELD	RC	UT	100799 ISI	31.000 28.000	
B-J	B9.11	RC-0120	WELD	PIPE TO PIPE WELD	RC	PT	100799 ISI	31.000 31.000	
B-J	B9.11	RC-0120	WELD	PIPE TO PIPE WELD	RC	UT	100799 ISI	31.000 31.000	
B-J	B9.11	SR-0009	WELD	ELBOW TO SAFE END WELD	RC	PT	091899 ISI	10.000 10.000	
B-J	B9.11	SR-0009	WELD	ELBOW TO SAFE END WELD	RC	UT	100799 ISI	10.000 10.000	
B-J	B9.12	RC-0165L	WELD	OUTSIDE RADIUS LONG ELBOW WELD	RC	PT	100799 ISI	28.000 28.000	
B-J	B9.12	RC-0165L	WELD	OUTSIDE RADIUS LONG ELBOW WELD	RC	UT	100799 ISI	28.000 28.000	
B-J	B9.12	RC-0166L	WELD	INSIDE RADIUS LONG ELBOW WELD	RC	PT	100799 ISI	28.000 28.000	
B-J	B9.12	RC-0166L	WELD	INSIDE RADIUS LONG ELBOW WELD	RC	UT	100799 ISI	28.000 28.000	
B-J	B9.21	MU-0017	WELD	PIPE TO ELBOW WELD	MU	PT	101599 ISI	2.500 2.500	
B-J	B9.21	MU-0018	WELD	ELBOW TO PIPE WELD	MU	PT	101599 ISI	2.500 2.500	
B-J	B9.21	MU-0035	WELD	PIPE TO ELBOW WELD	MU	PT	093099 ISI	2.500 2.500	
B-J	B9.21	MU-0131	WELD	PIPE TO VALVE WELD	MU	PT	100799 ISI	2.500 2.500	
B-J	B9.21	MU-0132	WELD	ELBOW TO PIPE WELD	MU	PT	100799 ISI	2.500 2.500	
B-J	B9.21	MU-0133	WELD	PIPE TO ELBOW WELD	MU	PT	100799 ISI	2.500 2.500	
B-J	B9.21	MU-0134	WELD	PIPE TO ELBOW WELD	MU	PT	091799 ISI	2.500 2.500	
B-J	B9.21	MU-0135	WELD	ELBOW TO PIPE WELD	MU	PT	101399 ISI	2.500 2.500	
B-J	B9.21	MU-0136	WELD	PIPE TO ELBOW WELD	MU	PT	101399 ISI	2.500 2.500	
B-J	B9.21	MU-0137	WELD	ELBOW TO PIPE WELD	MU	PT	101399 ISI	2.500 2.500	
B-J	B9.21	MU-0138	WELD	PIPE TO ELBOW WELD	MU	PT	101399 ISI	2.500 2.500	
B-J	B9.21	MU-0139	WELD	ELBOW TO PIPE WELD	MU	PT	101399 ISI	2.500 2.500	

NIS-1 OWNERS DATA REPORT FOR ERVICE INSPECTION

1. OWNER: Metropolitan Edison Compar 2800 Pottsville Pike, Reading, Pennsylvania
2. PLANT: Three Mile Island Nuclear Generating Station Route 441 South, Middletown, Pennsylvania
3. PLANT UNIT: 1
4. OWNER CERTIFICATION OF AUTHORIZATION (if required): None
5. COMMERCIAL SERVICE DATE: 09/02/74
6. NATIONAL BOARD NUMBER FOR UNIT: Reactor Vessel N-109

OUTAGE 13R
TABLE 1

ASME CAT	ASME ITEM NO	IDENTIFICATION TAG NUMBER SUFFIX	CODE	DESCRIPTION	SYST	NDE METH	EXAM DATE/ REASON	FROM DIAM./ TO DIAM.	REMARKS
B-J	B9.21	MU-0187	WELD	PIPE TO ELBOW WELD	MU	PT	092299 ISI	2.500 2.500	
B-J	B9.21	MU-0188	WELD	ELBOW TO PIPE WELD	MU	PT	092499 ISI	2.500 2.500	
B-J	B9.21	MU-0202	WELD	PIPE TO ELBOW WELD	MU	PT	093099 ISI	2.500 2.500	
B-J	B9.21	MU-0217	WELD	ELBOW TO VALVE WELD	MU	PT	093099 ISI	2.500 2.500	
B-J	B9.21	MU-0223	WELD	MANIFOLD TO ELBOW WELD	MU	PT	093099 ISI	3.000 3.000	
B-J	B9.21	MU-0224	WELD	ELBOW TO PIPE WELD	MU	PT	093099 ISI	2.500 2.500	
B-J	B9.21	MU-0237	WELD	PIPE TO ELBOW WELD	MU	PT	093099 ISI	2.500 2.500	
B-J	B9.21	MU-0238	WELD	ELBOW TO PIPE WELD	MU	PT	093099 ISI	2.500 2.500	
B-J	B9.21	MU-0266	WELD	PIPE TO PIPE WELD	MU	PT	093099 ISI	2.500 2.500	
B-J	B9.21	RC-0275	WELD	FLANGE TO VALVE WELD	RC	PT	092199 ISI	2.500 2.500	
B-J	B9.21	SP-0001	WELD	NOZZLE TO PIPE WELD	RC	PT	100799 ISI	2.500 2.500	
B-J	B9.21	SP-0003	WELD	ELBOW TO PIPE WELD	RC	PT	100799 ISI	2.500 2.500	
B-J	B9.21	SR-0011	WELD	REDUCER TO PIPE WELD	RC	PT	101399 ISI	2.000 2.000	
B-J	B9.21	SR-0012	WELD	PIPE TO ELBOW WELD	RC	PT	101399 ISI	2.000 2.000	
B-J	B9.21	SR-0021	WELD	ELBOW TO PIPE WELD	RC	PT	091799 ISI	2.000 2.000	
B-J	B9.21	SR-0022	WELD	PIPE TO VALVE WELD	RC	PT	091799 ISI	2.000 2.000	
B-J	B9.32	RC-0109B	WELD	NOZZLE BRANCH WELD	RC	PT	100799 ISI	28.000 2.500	
B-J	B9.40	MU-0796S	WELD	PIPE TO COUPLING WELD	MU	PT	091799 ISI	2.000 2.000	
B-J	B9.40	MU-0797S	WELD	COUPLING TO PIPE WELD	MU	PT	091799 ISI	2.000 2.000	
B-J	B9.40	MU-0828S	WELD	ELBOW TO PIPE WELD	MU	PT	100199 ISI	1.500 1.500	
B-J	B9.40	MU-0829S	WELD	TEE TO PIPE WELD	MU	PT	100899 ISI	1.500 1.500	
B-J	B9.40	MU-0830S	WELD	TEE TO REDUCER WELD	MU	PT	100899 ISI	1.500 1.500	

NIS-1 OWNERS DATA REPORT FOR ERVICE INSPECTION

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3. PLANT UNIT: 1
4. OWNER CERTIFICATION OF AUTHORIZATION (if required): None
5. COMMERCIAL SERVICE DATE: 09/02/74
6. NATIONAL BOARD NUMBER FOR UNIT: Reactor Vessel N-109

OUTAGE 13R
TABLE 1

ASME CAT	ASME ITEM NO	IDENTIFICATION TAG NUMBER SUFFIX	CODE	DESCRIPTION	SYST	NDE METH	EXAM DATE/ REASON	FROM DIAM./ TO DIAM.	REMARKS
B-J	B9.40	MU-0831S	WELD	PIPE TO TEE WELD	MU	PT	100899 ISI	1.500 1.500	
B-J	B9.40	MU-0832S	WELD	COUPLING TO PIPE WELD	MU	PT	100899 ISI	1.500 1.500	
B-J	B9.40	MU-0833S	WELD	PIPE TO COUPLING WELD	MU	PT	100899 ISI	1.500 1.500	
B-J	B9.40	MU-0834S	WELD	ELBOW TO PIPE WELD	MU	PT	100899 ISI	1.500 1.500	
B-J	B9.40	MU-0835S	WELD	PIPE TO ELBOW WELD	MU	PT	100899 ISI	1.500 1.500	
B-J	B9.40	MU-0836S	WELD	ELBOW TO PIPE WELD	MU	PT	100899 ISI	1.500 1.500	
B-J	B9.40	MU-0837S	WELD	PIPE TO ELBOW WELD	MU	PT	100899 ISI	1.500 1.500	
B-J	B9.40	MU-0838S	WELD	ELBOW TO PIPE WELD	MU	PT	100899 ISI	1.500 1.500	
B-J	B9.40	MU-0839S	WELD	PIPE TO ELBOW WELD	MU	PT	100899 ISI	1.500 1.500	
B-J	B9.40	MU-0840S	WELD	ELBOW TO PIPE WELD	MU	PT	100899 ISI	1.500 1.500	
B-J	B9.40	MU-0841S	WELD	PIPE TO ELBOW WELD	MU	PT	100899 ISI	1.500 1.500	
B-J	B9.40	MU-0842S	WELD	ELBOW TO PIPE WELD	MU	PT	100899 ISI	1.500 1.500	
B-J	B9.40	MU-0843S	WELD	PIPE TO ELBOW WELD	MU	PT	100899 ISI	1.500 1.500	
B-J	B9.40	MU-0844S	WELD	ELBOW TO PIPE WELD	MU	PT	091799 ISI	1.500 1.500	
B-J	B9.40	MU-0845S	WELD	PIPE TO ELBOW WELD	MU	PT	091799 ISI	1.500 1.500	
B-J	B9.40	MU-0846S	WELD	VALVE TO PIPE WELD	MU	PT	091799 ISI	1.500 1.500	
B-J	B9.40	MU-0847S	WELD	REDUCER TO VALVE WELD	MU	PT	091799 ISI	1.500 1.500	
B-J	B9.40	MU-0848S	WELD	FLOW ELEMENT TO REDUCER W ELD	MU	PT	101599 ISI	1.500 1.500	
B-J	B9.40	MU-0849S	WELD	ELBOW TO FLOW ELEMENT WEL D	MU	PT	101399 ISI	1.500 1.500	
B-J	B9.40	MU-0850S	WELD	PIPE TO ELBOW WELD	MU	PT	101399 ISI	1.500 1.500	
B-J	B9.40	MU-0851S	WELD	ELBOW TO PIPE WELD	MU	PT	101399 ISI	1.500 1.500	
B-J	B9.40	MU-0852S	WELD	PIPE TO ELBOW WELD	MU	PT	101399 ISI	1.500 1.500	

NIS-1 OWNERS DATA REPORT FOR ERVICE INSPECTION

1. OWNER: Metropolitan Edison Compa 2800 Pottsville Pike, Reading, Pennsylvania
2. PLANT: Three Mile Island Nuclear Generating Station Route 441 South, Middletown, Pennsylvania
3. PLANT UNIT: 1
4. OWNER CERTIFICATION OF AUTHORIZATION (if required): None
5. COMMERCIAL SERVICE DATE: 09/02/74
6. NATIONAL BOARD NUMBER FOR UNIT: Reactor Vessel N-109

OUTAGE 13R
TABLE 1

ASME CAT	ASME ITEM NO	IDENTIFICATION TAG NUMBER SUFFIX	CODE	DESCRIPTION	SYST	NDE METH	EXAM DATE/ REASON	FROM DIAM./ TO DIAM.	REMARKS
B-J	B9.40	SR-0027S	WELD	PIPE TO COUPLING	RC	PT	100699 ISI	2.000 2.000	
B-K-1	B10.10	CF-0051WA	WELD	INTEGRAL ATTACHMENT WELD	CF	PT	100799 ISI	14.000 14.000	
B-K-1	B10.10	CF-0052WA	WELD	INTEGRAL ATTACHMENT WELD	CF	PT	100799 ISI	14.000	
B-K-1	B10.10	CF-0053WA	WELD	INTEGRAL ATTACHMENT WELD	CF	PT	100799 ISI	14.000	
B-K-1	B10.10	CF-0054WA	WELD	INTEGRAL ATTACHMENT WELD	CF	PT	100799 ISI	14.000	
B-L-2	B12.20	RC-P-0001C	INTER	RC-P-1C PUMP INTERIOR	RC	VIS	100699 ISI		
B-M-1	B12.30	RC-RV-0002 RC-288	WELD	BODY TO FLANGE	RC	PT	100799 ISI	2.500 2.500	
B-M-1	B12.30	RC-RV-0002 RC-289	WELD	OPERATOR TO FLANGE	RC	PT	100799 ISI	2.500 2.500	
C-A	C1.20	DH-C-0001A DH-0396	WELD	HEAD TO SHELL CIRC WELD	DH	UT	091799 ISI	33.250 33.250	
C-A	C1.30	RC-H-0001A SG-0020	WELD	SHELL TO TUBESHEET CIRC W ELD	RC	UT	101299 ISI	151.000 151.000	
C-C	C3.20	DH-0160WA	WELD	INTEGRAL ATTACHMENT WELD	DH	PT	083099 ISI	12.000	
C-C	C3.20	DH-0223WA	WELD	INTEGRAL ATTACHMENT WELD	DH	PT	092299 ISI	12.000	
C-C	C3.20	DH-0414WA	WELD	INTEGRAL ATTACHMENT WELD	DH	PT	082599 ISI	14.000	
C-C	C3.20	DH-0415WA	WELD	INTEGRAL ATTACHMENT WELD	DH	PT	082599 ISI	14.000	
C-C	C3.20	DH-0416WA	WELD	INTEGRAL ATTACHMENT WELD	DH	PT	082599 ISI	14.000	
C-C	C3.20	FW-0214WA	WELD	INTEGRAL ATTACHMENT WELD	FW	MT	100799 ISI	20.000	
C-C	C3.20	FW-0215WA	WELD	INTEGRAL ATTACHMENT WELD	FW	MT	100799 ISI	20.000	
C-C	C3.20	FW-0216WA	WELD	INTEGRAL ATTACHMENT WELD	FW	MT	092799 ISI	20.000	
C-C	C3.20	FW-0217WA	WELD	INTEGRAL ATTACHMENT WELD	FW	MT	100799 ISI	20.000	
C-C	C3.20	FW-0218WA	WELD	INTEGRAL ATTACHMENT WELD	FW	MT	092799 ISI	20.000	
C-C	C3.20	FW-0219WA	WELD	INTEGRAL ATTACHMENT WELD	FW	MT	092799 ISI	20.000	
C-C	C3.20	FW-0220WA	WELD	INTEGRAL ATTACHMENT WELD	FW	MT	100799 ISI	20.000	

NIS-1 OWNERS DATA REPORT FOR ERVICE INSPECTION

1. OWNER: Metropolitan Edison Compa 2800 Pottsville Pike, Reading, Pennsylvania
2. PLANT: Three Mile Island Nuclear Generating Station Route 441 South, Middletown, Pennsylvania
3. PLANT UNIT: 1
4. OWNER CERTIFICATION OF AUTHORIZATION (if required): None
5. COMMERCIAL SERVICE DATE: 09/02/74
6. NATIONAL BOARD NUMBER FOR UNIT: Reactor Vessel N-109

OUTAGE 13R
TABLE 1

ASME CAT	ASME ITEM NO	IDENTIFICATION TAG NUMBER SUFFIX	CODE	DESCRIPTION	SYST	NDE METH	EXAM DATE/ REASON	FROM DIAM./ TO DIAM.	REMARKS
C-C	C3.20	FW-0221WA	WELD	INTEGRAL ATTACHMENT WELD	FW	MT	100799 ISI	20.000	
C-C	C3.20	FW-0222WA	WELD	INTEGRAL ATTACHMENT WELD	FW	MT	100799 ISI	20.000	
C-C	C3.20	FW-0223WA	WELD	INTEGRAL ATTACHMENT WELD	FW	MT	100799 ISI	20.000	
C-C	C3.20	FW-0224WA	WELD	INTEGRAL ATTACHMENT WELD	FW	MT	100799 ISI	20.000	
C-C	C3.20	FW-0225WA	WELD	INTEGRAL ATTACHMENT WELD	FW	MT	100799 ISI	20.000	
C-C	C3.20	FW-0254WA	WELD	INTEGRAL ATTACHMEMT WELD	FW	MT	101299 ISI	20.000	
C-C	C3.20	FW-0255WA	WELD	INTEGRAL ATTACHMENT WELD	FW	MT	101299 ISI	20.000	
C-C	C3.20	FW-0256WA	WELD	INTEGRAL ATTACHMENT WELD	FW	MT	101299 ISI	20.000	
C-C	C3.20	FW-0257WA	WELD	INTEGRAL ATTACHMENT WELD	FW	MT	101299 ISI	20.000	
C-C	C3.20	FW-0258WA	WELD	INTEGRAL ATTACHMENT WELD	FW	MT	101299 ISI	20.000	
C-C	C3.20	FW-0259WA	WELD	INTEGRAL ATTACHMENT WELD	FW	MT	101299 ISI	20.000	
C-C	C3.20	FW-0260WA	WELD	INTEGRAL ATTACHMENT WELD	FW	MT	101299 ISI	20.000	
C-C	C3.20	FW-0261WA	WELD	INTEGRAL ATTACHMENT WELD	FW	MT	101299 ISI	20.000	
C-C	C3.20	FW-0262WA	WELD	INTEGRAL ATTACHMENT WELD	FW	MT	101299 ISI	20.000	
C-C	C3.20	FW-0263WA	WELD	INTEGRAL ATTACHMENT WELD	FW	MT	101299 ISI	20.000	
C-C	C3.20	MS-0195WA	WELD	INTEGRAL ATTACHMENT WELD	MS	MT	092299 ISI	8.000	
C-C	C3.20	MS-0196WA	WELD	INTEGRAL ATTACHMENT WELD	MS	MT	092499 ISI	8.000	
C-C	C3.20	MS-0197WA	WELD	INTEGRAL ATTACHMENT WELD	MS	MT	092499 ISI	8.000	
C-C	C3.20	MS-0198WA	WELD	INTEGRAL ATTACHMENT WELD	MS	MT	092499 ISI	8.000	
C-C	C3.20	RR-0099WA	WELD	INTEGRAL ATTACHMENT WELD	RR	MT	090999 ISI	12.000	
C-C	C3.20	RR-0100WA	WELD	INTEGRAL ATTACHMENT WELD	RR	MT	100799 ISI	12.000	
C-C	C3.20	RR-0101WA	WELD	INTEGRAL ATTACHMENT WELD	RR	MT	091599 ISI	12.000	

NIS-1 OWNERS DATA REPORT FOR IN-SERVICE INSPECTION

1. OWNER: Metropolitan Edison Company 2800 Pottsville Pike, Reading, Pennsylvania
2. PLANT: Three Mile Island Nuclear Generating Station Route 441 South, Middletown, Pennsylvania
3. PLANT UNIT: 1
4. OWNER CERTIFICATION OF AUTHORIZATION (if required): None
5. COMMERCIAL SERVICE DATE: 09/02/74
6. NATIONAL BOARD NUMBER FOR UNIT: Reactor Vessel N-109

OUTAGE 13R
TABLE 1

ASME CAT	ASME ITEM NO	IDENTIFICATION TAG NUMBER SUFFIX	CODE	DESCRIPTION	SYST	NDE METH	EXAM DATE/ REASON	FROM DIAM./ TO DIAM.	REMARKS
C-C	C3.20	RR-0101WA	WELD	INTEGRAL ATTACHMENT WELD	RR	MT	101499 ISI	12.000	
C-F-1	C5.11	BS-0053	WELD	PIPE TO ELBOW FOR BS-P-1B WELD	BS	UT	092299 ISI	10.000 10.000	
C-F-1	C5.11	BS-0053	WELD	PIPE TO ELBOW FOR BS-P-1B WELD	BS	PT	083099 ISI	10.000 10.000	
C-F-1	C5.11	BS-0054	WELD	ELBOW TO PIPE FOR BS-P-1B WELD	BS	UT	092299 ISI	10.000 10.000	
C-F-1	C5.11	BS-0054	WELD	ELBOW TO PIPE FOR BS-P-1B WELD	BS	PT	092299 ISI	10.000 10.000	
C-F-1	C5.11	BS-0071	WELD	PIPE TO FLANGE BS1FE1 IN WELD	BS	UT	092299 ISI	8.000 8.000	
C-F-1	C5.11	BS-0071	WELD	PIPE TO FLANGE BS1FE1 IN WELD	BS	PT	090799 ISI	8.000 8.000	
C-F-1	C5.11	DH-0034	WELD	PIPE TO VALVE WELD	DH	PT	100899 ISI	10.000 10.000	
C-F-1	C5.11	DH-0034	WELD	PIPE TO VALVE WELD	DH	UT	100899 ISI	10.000 10.000	
C-F-1	C5.11	DH-0100	WELD	PIPE TO REDUCER WELD	DH	PT	082599 ISI	14.000 14.000	
C-F-1	C5.11	DH-0100	WELD	PIPE TO REDUCER WELD	DH	UT	090299 ISI	14.000 14.000	
C-F-1	C5.11	DH-0181	WELD	TEE TO PIPE WELD	DH	PT	083199 ISI	14.000 14.000	
C-F-1	C5.11	DH-0181	WELD	TEE TO PIPE WELD	DH	UT	092299 ISI	14.000 14.000	
C-F-1	C5.11	DH-0250	WELD	PIPE TO WELD-O-LET WELD	DH	PT	090299 ISI	12.000 12.000	
C-F-1	C5.11	DH-0250	WELD	PIPE TO WELD-O-LET WELD	DH	UT	090299 ISI	12.000 12.000	
C-F-1	C5.11	DH-0253	WELD	ELBOW TO PIPE WELD	DH	PT	090199 ISI	12.000 12.000	
C-F-1	C5.11	DH-0253	WELD	ELBOW TO PIPE WELD	DH	UT	090199 ISI	12.000 12.000	
C-F-1	C5.11	DH-0344	WELD	PIPE TO REDUCER WELD	DH	PT	092299 ISI	10.000 10.000	
C-F-1	C5.11	DH-0344	WELD	PIPE TO REDUCER WELD	DH	UT	092299 ISI	10.000 10.000	
C-F-1	C5.11	DH-0518	WELD	PIPE TO ELBOW WELD	DH	PT	090799 ISI	14.000 14.000	
C-F-1	C5.11	DH-0518	WELD	PIPE TO ELBOW WELD	DH	UT	090799 ISI	14.000 14.000	
C-F-1	C5.11	DH-0527	WELD	REDUCER TO PIPE WELD	DH	UT	090299 ISI	6.000 6.000	

NIS-1 OWNERS DATA REPORT FOR ERVICE INSPECTION

1. OWNER: Metropolitan Edison Compan 2800 Pottsville Pike, Reading, Pennsylvania
2. PLANT: Three Mile Island Nuclear Generating Station Route 441 South, Middletown, Pennsylvania
3. PLANT UNIT: 1
4. OWNER CERTIFICATION OF AUTHORIZATION (if required): None
5. COMMERCIAL SERVICE DATE: 09/02/74
6. NATIONAL BOARD NUMBER FOR UNIT: Reactor Vessel N-109

OUTAGE 13R
TABLE 1

ASME CAT	ASME ITEM NO	IDENTIFICATION TAG NUMBER SUFFIX	CODE	DESCRIPTION	SYST	NDE METH	EXAM DATE/ REASON	FROM DIAM./ TO DIAM.	REMARKS
C-F-1	C5.11	DH-0527	WELD	REDUCER TO PIPE WELD	DH	PT	082599 ISI	6.000 6.000	
C-F-1	C5.11	DH-0530	WELD	REDUCER TO PIPE WELD	DH	UT	090799 ISI	6.000 6.000	
C-F-1	C5.11	DH-0530	WELD	REDUCER TO PIPE WELD	DH	PT	090799 ISI	6.000 6.000	
C-F-1	C5.11	DH-0621	WELD	ELBOW TO ELBOW WELD	DH	UT	090799 ISI	8.000 8.000	
C-F-1	C5.11	DH-0621	WELD	ELBOW TO ELBOW WELD	DH	PT	083099 ISI	8.000 8.000	
C-F-1	C5.11	EF-0103BM	WELD	VENTURI TO PIPE WELD	EF	PT	091799 ISI	6.000 6.000	
C-F-1	C5.11	EF-0103BM	WELD	VENTURI TO PIPE WELD	EF	UT	091799 ISI	6.000 6.000	
C-F-1	C5.11	MU-0984	WELD	ELBOW TO TEE WELD	MU	UT	101399 ISI	4.000 4.000	
C-F-1	C5.11	MU-0984	WELD	ELBOW TO TEE WELD	MU	PT	091799 ISI	4.000 4.000	
C-F-1	C5.11	MU-1002	WELD	PIPE TO ELBOW WELD	MU	UT	090799 ISI	6.000 6.000	
C-F-1	C5.11	MU-1002	WELD	PIPE TO ELBOW WELD	MU	PT	090299 ISI	6.000 6.000	
C-F-1	C5.11	MU-1013	WELD	ELBOW TO PIPE WELD	MU	UT	090799 ISI	6.000 6.000	
C-F-1	C5.11	MU-1013	WELD	ELBOW TO PIPE WELD	MU	PT	090799 ISI	6.000 6.000	
C-F-1	C5.21	MU-1219	WELD	FLOW ELEMENT TO PIPE WELD	MU	PT	092299 ISI	2.500 2.500	
C-F-1	C5.21	MU-1219	WELD	FLOW ELEMENT TO PIPE WELD	MU	UT	092299 ISI	2.500 2.500	
C-F-1	C5.21	MU-1220	WELD	PIPE TO ELBOW WELD	MU	PT	092299 ISI	2.500 2.500	
C-F-1	C5.21	MU-1220	WELD	PIPE TO ELBOW WELD	MU	UT	092299 ISI	2.500 2.500	
C-F-1	C5.21	MU-1278	WELD	PIPE TO ELBOW WELD	MU	PT	092299 ISI	2.500 2.500	
C-F-1	C5.21	MU-1278	WELD	PIPE TO ELBOW WELD	MU	UT	092299 ISI	2.500 2.500	
C-F-1	C5.30	MU-1321S	WELD	REDUCER TO ELBOW WELD	MU	PT	082599 ISI	2.000 2.000	
C-F-1	C5.30	MU-1338S	WELD	PIPE TO ELBOW WELD	MU	PT	101399 ISI	2.000 2.000	
C-F-2	C5.51	EF-0052	WELD	PIPE TO ELBOW WELD	EF	MT	101299 ISI	6.000 6.000	

NIS-1 OWNERS DATA REPORT FOR ERVICE INSPECTION

1. OWNER: Metropolitan Edison Compar 2800 Pottsville Pike, Reading, Pennsylvania
2. PLANT: Three Mile Island Nuclear Generating Station Route 441 South, Middletown, Pennsylvania
3. PLANT UNIT: 1
4. OWNER CERTIFICATION OF AUTHORIZATION (if required): None
5. COMMERCIAL SERVICE DATE: 09/02/74
6. NATIONAL BOARD NUMBER FOR UNIT: Reactor Vessel N-109

OUTAGE 13R
TABLE 1

ASME CAT	ASME ITEM NO	IDENTIFICATION TAG NUMBER SUFFIX	CODE	DESCRIPTION	SYST	NDE METH	EXAM DATE/ REASON	FROM DIAM./ TO DIAM.	REMARKS
C-F-2	C5.51	EF-0052	WELD	PIPE TO ELBOW WELD	EF	UT	101299 ISI	6.000 6.000	
C-F-2	C5.51	EF-0064	WELD	VALVE TO PIPE WELD	EF	MT	100199 ISI	6.000 6.000	
C-F-2	C5.51	EF-0064	WELD	VALVE TO PIPE WELD	EF	UT	100199 ISI	6.000 6.000	
C-F-2	C5.51	EF-0167	WELD	VALVE TO PIPE WELD	EF	MT	091499 ISI	6.000 6.000	
C-F-2	C5.51	EF-0167	WELD	VALVE TO PIPE WELD	EF	UT	091799 ISI	6.000 6.000	
C-F-2	C5.51	FW-0034	WELD	VALVE TO ELBOW WELD	FW	MT	092499 ISI	20.000 20.000	
C-F-2	C5.51	FW-0034	WELD	VALVE TO ELBOW WELD	FW	UT	091499 ISI	20.000 20.000	
C-F-2	C5.51	FW-0036	WELD	PIPE TO ELBOW WELD	FW	MT	092999 ISI	20.000 20.000	
C-F-2	C5.51	FW-0036	WELD	PIPE TO ELBOW WELD	FW	UT	101499 ISI	20.000 20.000	
C-F-2	C5.51	FW-0050	WELD	PIPE TO ELBOW WELD	FW	MT	100299 ISI	20.000 20.000	
C-F-2	C5.51	FW-0050	WELD	PIPE TO ELBOW WELD	FW	UT	100299 ISI	20.000 20.000	
C-F-2	C5.51	MS-0001	WELD	PENETRATION TO PIPE WELD	MS	MT	093099 ISI	24.000 24.000	
C-F-2	C5.51	MS-0001	WELD	PENETRATION TO PIPE WELD	MS	UT	093099 ISI	24.000 24.000	
C-F-2	C5.51	MS-0002	WELD	ELBOW TO ELBOW WELD	MS	MT	101499 ISI	24.000 24.000	
C-F-2	C5.51	MS-0002	WELD	ELBOW TO ELBOW WELD	MS	UT	101499 ISI	24.000 24.000	
C-F-2	C5.51	MS-0003	WELD	PENETRATION TO ELBOW WELD	MS	MT	101499 ISI	24.000 24.000	
C-F-2	C5.51	MS-0003	WELD	PENETRATION TO ELBOW WELD	MS	UT	101499 ISI	24.000 24.000	
C-F-2	C5.51	MS-0036	WELD	PIPE TO ELBOW WELD	MS	MT	101299 ISI	24.000 24.000	
C-F-2	C5.51	MS-0036	WELD	PIPE TO ELBOW WELD	MS	UT	101299 ISI	24.000 24.000	
C-F-2	C5.51	MS-0047	WELD	NOZZLE TO ELBOW WELD	MS	MT	101299 ISI	24.000 24.000	
C-F-2	C5.51	MS-0047	WELD	NOZZLE TO ELBOW WELD	MS	UT	101299 ISI	24.000 24.000	
C-F-2	C5.51	MS-0095	WELD	WELD-O-LET TO PIPE WELD	MS	MT	093099 ISI	18.000 18.000	

NIS-1 OWNERS DATA REPORT FOR SERVICE INSPECTION

1. OWNER: Metropolitan Edison Compa 2800 Pottsville Pike, Reading, Pennsylvania
2. PLANT: Three Mile Island Nuclear Generating Station Route 441 South, Middletown, Pennsylvania
3. PLANT UNIT: 1
4. OWNER CERTIFICATION OF AUTHORIZATION (if required): None
5. COMMERCIAL SERVICE DATE: 09/02/74
6. NATIONAL BOARD NUMBER FOR UNIT: Reactor Vessel N-109

OUTAGE 13R
TABLE 1

ASME CAT	ASME ITEM NO	IDENTIFICATION TAG NUMBER SUFFIX	CODE	DESCRIPTION	SYST	NDE METH	EXAM DATE/ REASON	FROM DIAM./ TO DIAM.	REMARKS
C-F-2	C5.51	MS-0095	WELD	WELD-O-LET TO PIPE WELD	MS	UT	093099 ISI	18.000 18.000	
C-F-2	C5.51	MS-0185	WELD	ELBOW TO PIPE WELD	MS	MT	101499 ISI	8.000 8.000	
C-F-2	C5.51	MS-0185	WELD	ELBOW TO PIPE WELD	MS	UT	101499 ISI	8.000 8.000	
C-F-2	C5.51	RR-0029	WELD	ELBOW TO ELBOW WELD	RR	MT	083099 ISI	12.000 12.000	
C-F-2	C5.51	RR-0029	WELD	ELBOW TO ELBOW WELD	RR	UT	083099 ISI	12.000 12.000	
C-F-2	C5.51	RR-0040	WELD	PIPE TO VALVE WELD	RR	MT	091399 ISI	12.000 12.000	
C-F-2	C5.51	RR-0040	WELD	PIPE TO VALVE WELD	RR	UT	091399 ISI	12.000 12.000	
C-F-2	C5.51	RR-0071	WELD	ELBOW TO PIPE WELD	RR	MT	091399 ISI	12.000 12.000	
C-F-2	C5.51	RR-0071	WELD	ELBOW TO PIPE WELD	RR	UT	091399 ISI	12.000 12.000	
C-F-2	C5.51	RR-0077	WELD	PIPE TO ELBOW WELD	RR	MT	083099 ISI	12.000 12.000	
C-F-2	C5.51	RR-0077	WELD	PIPE TO ELBOW WELD	RR	UT	083099 ISI	12.000 12.000	
C-F-2	C5.52	MS-0004L	WELD	ELBOW LONG SEAM WELD	MS	MT	101499 ISI	24.000 24.000	
C-F-2	C5.52	MS-0004L	WELD	ELBOW LONG SEAM WELD	MS	UT	101499 ISI	24.000 24.000	
C-F-2	C5.81	MS-0233B	WELD	WELD-O-LET BRANCH WELD	MS	MT	101499 ISI	8.000 12.000	
D-B	D2.20	DCH-0001 WA	WELD	INTEGRAL ATTACHMENT WELD	DC	VIS	082799 ISI	16.000	
D-B	D2.20	COE-0012 WA	WELD	INTEGRAL ATTACHMENT WELD	EF	VIS	082099 ISI	6.000	
D-B	D2.20	COH-0271 WA	WELD	INTEGRAL ATTACHMENT WELD	EF	VIS	082099 ISI	6.000	
D-B	D2.20	MS-0077 WA	WELD	INTEGRAL ATTACHMENT WELD	MS	VIS	092899 ISI	12.000	
D-B	D2.20	NS-C-0001B WA	WELD	INTEGRAL ATTACHMENT WELD	NS	VIS	082599 ISI		
D-B	D2.20	NSE-0040 WA	WELD	INTEGRAL ATTACHMENT WELD	NS	VIS	092299 ISI	8.000	
D-B	D2.20	NSH-0003 WA	WELD	INTEGRAL ATTACHMENT WELD	NS	VIS	082599 ISI	8.000	
D-B	D2.20	NSH-0011 WA	WELD	INTEGRAL ATTACHMENT WELD	NS	VIS	082599 ISI	14.000	

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5. COMMERCIAL SERVICE DATE: 09/02/74
6. NATIONAL BOARD NUMBER FOR UNIT: Reactor Vessel N-109

OUTAGE 13R
TABLE 1

ASME CAT	ASME ITEM NO	IDENTIFICATION TAG NUMBER SUFFIX	CODE	DESCRIPTION	SYST	NDE METH	EXAM DATE/ REASON	FROM DIAM./ TO DIAM.	REMARKS
D-B	D2.20	NSH-0154 WA	WELD	INTEGRAL ATTACHMENT WELD	NS	VIS	101299 ISI	6.000	
D-B	D2.20	NSH-0193 WA	WELD	INTEGRAL ATTACHMENT WELD	NS	VIS	091399 ISI	6.000	
D-B	D2.40	EF-0061 WA	WELD	INTEGRAL ATTACHMENT WELD	EF	VIS	092299 ISI	8.000	
D-B	D2.40	RWH-0017 WA	WELD	INTEGRAL ATTACHMENT WELD	RW	VIS	090799 ISI	12.000	
F-A	F1.10	CF-0004	SUPORT	CORE FLOOD VARIABLE SUPPORT	CF	VIS	091799 ISI	14.000	
F-A	F1.10	CF-0007	SUPORT	CORE FLOOD IN CF VLV RM HYDRAULIC SNUBBER	CF	VIS	091799 ISI	14.000	
F-A	F1.10	CF-0008	SUPORT	CORE FLOOD IN CF VLV RM HYDRAULIC SNUBBER	CF	VIS	092499 PSI	14.000	
F-A	F1.10	MUH-0205	SUPORT	MAKEUP CON SUPPORT	MU	VIS	100199 ISI	2.500	
F-A	F1.10	MUH-0222	SUPORT	MAKEUP B D-RING AREA 175 VARIABLE SUPPORT	MU	VIS	101299 ISI	2.500	
F-A	F1.10	MUH-0223	SUPORT	MAKEUP RIGID SUPPORT	MU	VIS	101299 FOL	2.500	
F-A	F1.10	MUH-0239	SUPORT	MAKEUP VARIABLE SUPPORT	MU	VIS	092899 ISI	2.500	
F-A	F1.10	MUH-0249	SUPORT	MAKEUP @ LETDWN CLR RM VARIABLE SUPPORT	MU	VIS	092899 ISI	2.500	
F-A	F1.10	MUH-0291	SUPORT	MAKEUP RB AREA 183 SW QUD UBOLT	MU	VIS	092899 ISI	2.500	
F-A	F1.10	MU-0136-3	SUPORT	MU A D-RING AREA 176 VARIABLE SUPPORT	MU	VIS	093099 ISI	1.500	
F-A	F1.10	MU-0136-6	SUPORT	MU A D-RING AREA 176 UBOLT	MU	VIS	100899 ISI	1.500	
F-A	F1.10	MU-0137-1	SUPORT	MU NE QUAD AREA 185 UBOLT	MU	VIS	101299 ISI	1.500	
F-A	F1.10	MU-0142-6	SUPORT	MAKEUP SUPPORT	MU	VIS	100599 ISI	1.500	
F-A	F1.10	MU-0145-2	SUPORT	MAKEUP SUPPORT	MU	VIS	091699 ISI	1.500	
F-A	F1.10	MU-0146-1	SUPORT	MAKEUP SUPPORT	MU	VIS	100699 ISI	1.500	
F-A	F1.10	MU-0148-12	SUPORT	MAKEUP SUPPORT	MU	VIS	092799 ISI	1.500	
F-A	F1.10	MU-0148-4	SUPORT	MAKEUP SUPPORT	MU	VIS	091799 ISI	1.500	
F-A	F1.10	MU-0148-9	SUPORT	MAKEUP SUPPORT	MU	VIS	101299 ISI	1.500	

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OUTAGE 13R
TABLE 1

ASME CAT	ASME ITEM NO	IDENTIFICATION TAG NUMBER SUFFIX	CODE	DESCRIPTION	SYST	NDE METH	EXAM DATE/ REASON	FROM DIAM./ TO DIAM.	REMARKS
F-A	F1.10	RC-0001	SUPORT	REACTOR COOLANT CON SUPPORT	RC	VIS	092299 ISI	2.500	
F-A	F1.10	RC-0004	SUPORT	RC B D-RING NE EL355 HYDRAULIC SNUBBER	RC	VIS	101099 PSI	2.500	
F-A	F1.10	RC-0005	SUPORT	RC B D-RING W SIDE HYDRAULIC SNUBBER	RC	VIS	101299 PSI	2.500	
F-A	F1.10	RC-0009	SUPORT	RC TOP OF PRESSURIZER HYDRAULIC SNUBBER	RC	VIS	101299 PSI	2.500	
F-A	F1.10	RC-0010	SUPORT	RC AUX SPRAY NE EL346 HYDRAULIC SNUBBER	RC	VIS	100999 PSI	2.500	
F-A	F1.10	RC-0011	SUPORT	RC AUX SPRAY NE EL328 HYDRAULIC SNUBBER	RC	VIS	100999 PSI	2.500	
F-A	F1.10	RC-0012	SUPORT	RC AUX SPRAY NE EL328 HYDRAULIC SNUBBER	RC	VIS	100999 PSI	2.500	
F-A	F1.10	RC-0013	SUPORT	RC AUX SPRAY NE EL321 HYDRAULIC SNUBBER	RC	VIS	101299 PSI	2.500	
F-A	F1.10	RC-0030-1	SUPORT	REACTOR COOLANT VARIABLE SUPPORT	RC	VIS	093099 ISI	2.000	
F-A	F1.10	RC-0030-9	SUPORT	REACTOR COOLANT GUIDE	RC	VIS	091899 ISI	2.000	
F-A	F1.20	BS-0021	SUPORT	RB SPRAY BS-P-1B VAULT HYDRAULIC SNUBBER	BS	VIS	082799 PSI	8.000	
F-A	F1.20	SPSE-0004	SUPORT	BS-P-1A VAULT GUIDE	BS	VIS	101899 ISI	10.000	
F-A	F1.20	SPSE-0005	SUPORT	BS-P-1A VAULT HYDRAULIC SNUBBER	BS	VIS	083199 PSI	10.000	
F-A	F1.20	SPSE-0010	SUPORT	BS-P-1B VAULT HYDRAULIC SNUBBER	BS	VIS	090799 ISI	10.000	SEE TABLE 2.
F-A	F1.20	SPSE-0011	SUPORT	BS-P-1B VAULT HYDRAULIC SNUBBER	BS	VIS	090399 EXP	10.000	
F-A	F1.20	SPSH-0010	SUPORT	BS-P-1B VAULT ANCHOR	BS	VIS	090799 EXP	10.000	
F-A	F1.20	SPSH-0013	SUPORT	DECAY HEAT VAULT B VARIABLE SUPPORT	BS	VIS	090799 EXP	10.000	
F-A	F1.20	DHH-0116	SUPORT	DH DH-P-1B RM AREA 58 RIGID SUPPORT	DH	VIS	090399 ISI	10.000	
F-A	F1.20	DHH-0125A	SUPORT	DH RIGID SUPPORT	DH	VIS	083199 ISI	14.000	
F-A	F1.20	DHH-0126	SUPORT	DH RIGID SUPPORT	DH	VIS	082799 ISI	14.000	
F-A	F1.20	DH-H-0132	SUPORT	DH DH-P-1B RM AREA 58 RIGID SUPPORT	DH	VIS	090199 ISI	12.000	
F-A	F1.20	DHH-0133	SUPORT	DH VARIABLE SUPPORT	DH	VIS	101899 ISI	12.000	

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OUTAGE 13R
TABLE 1

ASME CAT	ASME ITEM NO	IDENTIFICATION TAG NUMBER SUFFIX	CODE	DESCRIPTION	SYST	NDE METH	EXAM DATE/ REASON	FROM DIAM./ TO DIAM.	REMARKS
F-A	F1.20	DHH-0155	SUPORT	DH BWST TUNNEL UBOLT SUPPORT	DH	VIS	083199 ISI	24.000	
F-A	F1.20	DHH-0164	SUPORT	DH BWST TUNNEL HANGER	DH	VIS	083099 ISI	24.000	
F-A	F1.20	DHH-0181	SUPORT	DH RIGID SUPPORT	DH	VIS	083099 ISI	6.000	
F-A	F1.20	DHH-0188	SUPORT	DH DH-P-1A RM E END HYDRAULIC SNUBBER	DH	VIS	092199 PSI	10.000	
F-A	F1.20	DH-0012	SUPORT	DH OUT SEC SHLD SW EL297 HYDRAULIC SNUBBER	DH	VIS	092099 PSI	10.000	
F-A	F1.20	EF-0004	SUPORT	EMERGENCY FW RIGID SUPPORT	EF	VIS	092799 ISI	6.000	
F-A	F1.20	EF-0076	SUPORT	EFW RIGID SUPPORT	EF	VIS	091399 ISI	6.000	
F-A	F1.20	FW-0081	SUPORT	FW PEN 103 RIGID SUPPORT	FW	VIS	092999 ISI	20.000	
F-A	F1.20	FW-0091	SUPORT	FW BETWN A D-RING/OTSG A CON SUPPORT	FW	VIS	101399 ISI	20.000	
F-A	F1.20	FW-0108	SUPORT	FW OUT SEC SHLD NW EL320 HYDRAULIC SNUBBER	FW	VIS	100799 FOL	20.000	
F-A	F1.20	FW-0114	SUPORT	FW IN SEC SHLD SW EL325 HYDRAULIC SNUBBER	FW	VIS	092899 PSI	20.000	
F-A	F1.20	FW-0115	SUPORT	FW IN SEC SHLD SW EL325 HYDRAULIC SNUBBER	FW	VIS	092899 PSI	20.000	
F-A	F1.20	MPAH-0002	SUPORT	HYDROGEN PURGE DISCHARGE GUIDE	HP	VIS	093099 ISI	6.000	
F-A	F1.20	MS-0059	SUPORT	MAIN STEAM RIGID SUPPORT	MS	VIS	101499 ISI	8.000	
F-A	F1.20	MS-0065	SUPORT	MS S OF EF-P-1 HYDRAULIC SNUBBER	MS	VIS	101499 ISI	12.000	
F-A	F1.20	MS-0067	SUPORT	MS EF-P-1 RM VARIABLE SUPPORT	MS	VIS	100199 ISI	12.000	
F-A	F1.20	MS-0178	SUPORT	MAIN STEAM CON SUPPORT	MS	VIS	092799 ISI	24.000	
F-A	F1.20	MS-0182	SUPORT	MAIN STEAM CON SUPPORT	MS	VIS	101399 EXP	24.000	
F-A	F1.20	MS-0185	SUPORT	MAIN STEAM VARIABLE SUPPORT	MS	VIS	093099 ISI	24.000	
F-A	F1.20	MS-0200	SUPORT	MS OUT SEC SHLD SE EL338 HYDRAULIC SNUBBER	MS	VIS	100299 PSI	24.000	
F-A	F1.20	MS-0201	SUPORT	MS IN SEC SHLD EL330 HYDRAULIC SNUBBER	MS	VIS	101299 EXP	24.000	
F-A	F1.20	MS-0202	SUPORT	MS OUT SEC SHLD NE EL337 HYDRAULIC SNUBBER	MS	VIS	101499 EXP	24.000	

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OUTAGE 13R
TABLE 1

ASME CAT	ASME ITEM NO	IDENTIFICATION TAG NUMBER SUFFIX	CODE	DESCRIPTION	SYST	NDE METH	EXAM DATE/ REASON	FROM DIAM./ TO DIAM.	REMARKS
F-A	F1.20	MS-0202	SUPORT	MS OUT SEC SHLD NE EL337 HYDRAULIC SNUBBER	MS	VIS	101599 PSI	24.000	
F-A	F1.20	MS-0203	SUPORT	MS AREA 185 NE EL337 HYDRAULIC SNUBBER	MS	VIS	101299 EXP	24.000	
F-A	F1.20	MS-0204	SUPORT	MS OUT SEC SHLD SE EL336 HYDRAULIC SNUBBER	MS	VIS	092499 PSI	24.000	
F-A	F1.20	MS-0205	SUPORT	MS OUT SEC SHLD SE EL338 HYDRAULIC SNUBBER	MS	VIS	101299 EXP	24.000	
F-A	F1.20	MS-0206	SUPORT	MS OUT SEC SHLD NE EL337 HYDRAULIC SNUBBER	MS	VIS	101299 EXP	24.000	
F-A	F1.20	MS-0207	SUPORT	MS OUT SEC SHLD NE EL337 HYDRAULIC SNUBBER	MS	VIS	101499 EXP	24.000	
F-A	F1.20	MS-0207	SUPORT	MS OUT SEC SHLD NE EL337 HYDRAULIC SNUBBER	MS	VIS	101599 PSI	24.000	
F-A	F1.20	MS-0208	SUPORT	MS OUT SEC SHLD NW EL338 HYDRAULIC SNUBBER	MS	VIS	101499 EXP	24.000	SEE TABLE 2.
F-A	F1.20	MS-0209	SUPORT	MS OUT SEC SHLD NW EL338 HYDRAULIC SNUBBER	MS	VIS	101499 EXP	24.000	
F-A	F1.20	MS-0210	SUPORT	MS OUT SEC SHLD NW EL338 HYDRAULIC SNUBBER	MS	VIS	101499 EXP	24.000	
F-A	F1.20	MS-0211	SUPORT	MS OUT SEC SHLD NW EL338 HYDRAULIC SNUBBER	MS	VIS	101499 EXP	24.000	SEE TABLE 2.
F-A	F1.20	MS-0212	SUPORT	MS OUT SEC SHLD NW EL338 HYDRAULIC SNUBBER	MS	VIS	101299 EXP	24.000	
F-A	F1.20	MS-0213	SUPORT	MS OUT SEC SHLD NW EL338 HYDRAULIC SNUBBER	MS	VIS	101299 EXP	24.000	
F-A	F1.20	MS-0214	SUPORT	MS OUT SEC SHLD NW EL338 HYDRAULIC SNUBBER	MS	VIS	100499 ISI	24.000	
F-A	F1.20	MS-0214	SUPORT	MS OUT SEC SHLD NW EL338 HYDRAULIC SNUBBER	MS	VIS	101099 ISI	24.000	SEE TABLE 2.
F-A	F1.20	MS-0215	SUPORT	MS OUT SEC SHLD NW EL338 HYDRAULIC SNUBBER	MS	VIS	101399 EXP	24.000	
F-A	F1.20	MS-0216	SUPORT	MS-V-1D HYDRAULIC SNUBBER	MS	VIS	092199 PSI	24.000	
F-A	F1.20	MS-0217	SUPORT	MS-V-1C HYDRAULIC SNUBBER	MS	VIS	092899 PSI	24.000	
F-A	F1.20	MS-0218	SUPORT	MS-V-1C HYDRAULIC SNUBBER	MS	VIS	092899 PSI	24.000	
F-A	F1.20	MS-0221	SUPORT	MS-V-1D HYDRAULIC SNUBBER	MS	VIS	100199 PSI	24.000	
F-A	F1.20	MS-0222	SUPORT	MS-V-1B HYDRAULIC SNUBBER	MS	VIS	092499 PSI	24.000	
F-A	F1.20	MS-0223	SUPORT	MS-V-1A HYDRAULIC SNUBBER	MS	VIS	101499 EXP	24.000	

1. OWNER: Metropolitan Edison Company 2800 Pottsville Pike, Reading, Pennsylvania
2. PLANT: Three Mile Island Nuclear Generating Station Route 441 South, Middletown, Pennsylvania
3. PLANT UNIT: 1
4. OWNER CERTIFICATION OF AUTHORIZATION (if required): None
5. COMMERCIAL SERVICE DATE: 09/02/74
6. NATIONAL BOARD NUMBER FOR UNIT: Reactor Vessel N-109

OUTAGE 13R
TABLE 1

ASME CAT	ASME ITEM NO	IDENTIFICATION TAG NUMBER SUFFIX	CODE	DESCRIPTION	SYST	NDE METH	EXAM DATE/ REASON	FROM DIAM./ TO DIAM.	REMARKS
F-A	F1.20	MS-0229	SUPORT	MS ON RV HEADER B HYDRAULIC SNUBBER	MS	VIS	101499 EXP	24.000	SEE TABLE 2.
F-A	F1.20	MS-0230	SUPORT	MS AREA 161 MS CUBE C S HYDRAULIC SNUBBER	MS	VIS	101299 EXP	24.000	
F-A	F1.20	MS-0231	SUPORT	MS ON RV HEADER C S END HYDRAULIC SNUBBER	MS	VIS	101299 PSI	24.000	
F-A	F1.20	MS-0232	SUPORT	MS IA COMP A RM RIGID SUPPORT	MS	VIS	093099 ISI	8.000	
F-A	F1.20	MS-0234	SUPORT	MS ABOVE IA DRYER HYDRAULIC SNUBBER	MS	VIS	101499 EXP	8.000	
F-A	F1.20	MS-0234	SUPORT	MS ABOVE IA DRYER HYDRAULIC SNUBBER	MS	VIS	090499 PSI	8.000	
F-A	F1.20	MS-0235	SUPORT	MS ABOVE EF-P-2B HYDRAULIC SNUBBER	MS	VIS	092499 PSI	12.000	
F-A	F1.20	MS-0236	SUPORT	MS S OF IA-P-1B HYDRAULIC SNUBBER	MS	VIS	101499 PSI	12.000	
F-A	F1.20	MS-0237	SUPORT	MS S OF IA-P-1B HYDRAULIC SNUBBER	MS	VIS	081498 PSI	12.000	
F-A	F1.20	MS-0238	SUPORT	MS S OF IA-P-1B HYDRAULIC SNUBBER	MS	VIS	082898 PSI	8.000	
F-A	F1.20	MS-0238	SUPORT	MS S OF IA-P-1B HYDRAULIC SNUBBER	MS	VIS	101299 EXP	8.000	
F-A	F1.20	MS-0239	SUPORT	MS S OF IA-P-1B HYDRAULIC SNUBBER	MS	VIS	101299 EXP	8.000	
F-A	F1.20	MS-0239	SUPORT	MS S OF IA-P-1B HYDRAULIC SNUBBER	MS	VIS	082898 PSI	8.000	
F-A	F1.20	MS-0240	SUPORT	MS IB EL 314 HYDRAULIC SNUBBER	MS	VIS	101499 EXP	8.000	
F-A	F1.20	MS-0243	SUPORT	MS IB EL 314 HYDRAULIC SNUBBER	MS	VIS	101299 EXP	8.000	
F-A	F1.20	MS-0286	SUPORT	MS OUT SEC SHLD NE EL337 HYDRAULIC SNUBBER	MS	VIS	101499 EXP	24.000	
F-A	F1.20	MS-0287	SUPORT	MS AREA 184 NW EL338 HYDRAULIC SNUBBER	MS	VIS	101299 PSI	24.000	
F-A	F1.20	MS-0291	SUPORT	MS OUT SEC SHLD SE EL338 HYDRAULIC SNUBBER	MS	VIS	101499 EXP	24.000	SEE TABLE 2.
F-A	F1.20	MS-0292	SUPORT	MS AREA 185 NE EL337 HYDRAULIC SNUBBER	MS	VIS	101399 EXP	24.000	
F-A	F1.20	MS-0308	SUPORT	MS EF-P-2 RM RIGID SUPPORT	MS	VIS	101499 ISI	24.000	
F-A	F1.20	MUE-0004	SUPORT	MU VLV ALLY BT MUV69A/68B GUIDE	MU	VIS	082799 ISI	6.000	
F-A	F1.20	MUE-0006	SUPORT	MU AB283 SW CORNER RIGID SUPPORT	MU	VIS	082799 ISI	6.000	

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OUTAGE 13R
TABLE 1

ASME CAT	ASME ITEM NO	IDENTIFICATION TAG NUMBER SUFFIX	CODE	DESCRIPTION	SYST	NDE METH	EXAM DATE/ REASON	FROM DIAM./ TO DIAM.	REMARKS
F-A	F1.20	MUE-0008	SUPORT	MU VLV ALLY S END EL292 UBOLT SUPPORT	MU	VIS	091399 ISI	6.000	
F-A	F1.20	MUH-0075	SUPORT	MU VLV ALLEY ANCHOR	MU	VIS	082799 ISI	2.500	
F-A	F1.20	MUH-0085	SUPORT	MU VLV ALLEY ANCHOR	MU	VIS	082799 ISI	4.000	
F-A	F1.20	MUH-0331	SUPORT	MU VLV ALLEY UBOLT	MU	VIS	090399 ISI	2.500	
F-A	F1.20	RBE-0148	SUPORT	RBEC UPSTRM PEN 408 UBOLT	RR	VIS	091799 ISI	6.000	
F-A	F1.20	RBE-0153	SUPORT	RBEC UPSTRM PEN 409 UBOLT	RR	VIS	091799 ISI	6.000	
F-A	F1.20	RBH-0019	SUPORT	RBEC DWNSTRM PEN 410 GUIDE	RR	VIS	092899 ISI	12.000	
F-A	F1.20	RRH-0005	SUPORT	RBEC DOWNSTREAM RR-V-3A ANCHOR	RR	VIS	082099 ISI	12.000	
F-A	F1.20	RRH-0016	SUPORT	RBEC UPSTREAM RR-V-4C HANGER	RR	VIS	101899 ISI	12.000	
F-A	F1.30	COE-0007	SUPORT	CONDENSATE SUPPORT GUIDE	CO	VIS	093099 ISI	12.000	
F-A	F1.30	DCH-0001	SUPORT	DHCC RB PURGE AREA RIGID SUPPORT	DC	VIS	082599 ISI	16.000	
F-A	F1.30	DCH-0052	SUPORT	DHCC DH VAULT A GUIDE	DC	VIS	082799 ISI	12.000	
F-A	F1.30	COE-0012	SUPORT	EFW @ H2 RECOMBINER AREA UBOLT	EF	VIS	082099 ISI	6.000	
F-A	F1.30	COH-0271	SUPORT	EFW GUIDE	EF	VIS	082099 ISI	6.000	
F-A	F1.30	EF-0061	SUPORT	EFW TURBINE PUMP RM VARIABLE SUPPORT	EF	VIS	092299 ISI	8.000	
F-A	F1.30	EF-0074	SUPORT	EFW DOWNSTREAM EF-P-1 RIGID SUPPORT	EF	VIS	092299 ISI	4.000	
F-A	F1.30	MS-0075	SUPORT	MS EF-P-1 RM ANCHOR	MS	VIS	093099 EXP	6.000	
F-A	F1.30	MS-0076	SUPORT	MS EF-P-1 RM ANCHOR	MS	VIS	092899 EXP	12.000	
F-A	F1.30	MS-0077	SUPORT	MS EFW TURBINE PUMP RM ANCHOR	MS	VIS	100799 ISI	12.000	
F-A	F1.30	MS-0077	SUPORT	MS EFW TURBINE PUMP RM ANCHOR	MS	VIS	100599 ISI	12.000	SEE TABLE 2.
F-A	F1.30	MS-0245	SUPORT	MS @ EF-P-1 HYDRAULIC SNUBBER	MS	VIS	091799 PSI	8.000	
F-A	F1.30	MS-0246	SUPORT	MS @ EF-P-1 HYDRAULIC SNUBBER	MS	VIS	091799 PSI	8.000	

NIS-1 OWNERS DATA REPORT FOR INSERVICE INSPECTION

1. OWNER: Metropolitan Edison Compa 2800 Pottsville Pike, Reading, Pennsylvania
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3. PLANT UNIT: 1
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OUTAGE 13R
TABLE 1

ASME CAT	ASME ITEM NO	IDENTIFICATION TAG NUMBER SUFFIX	CODE	DESCRIPTION	SYST	NDE METH	EXAM DATE/ REASON	FROM DIAM./ TO DIAM.	REMARKS
F-A	F1.30	NSE-0020	SUPORT	NSCCW NW IC FILTER RM 113 RIGID SUPPORT	NS	VIS	100299 EXP	18.000	
F-A	F1.30	NSE-0021	SUPORT	NSCCW IC FILTER RM RIGID SUPPORT	NS	VIS	100299 EXP	12.000	
F-A	F1.30	NSE-0022	SUPORT	NSCCW IC FILTER RM RIGID SUPPORT	NS	VIS	100299 EXP	18.000	
F-A	F1.30	NSE-0023	SUPORT	NSCCW NW IC FLTR RM @ 113 RIGID SUPPORT	NS	VIS	100999 FOL	18.000 12.000	SEE TABLE 2.
F-A	F1.30	NSE-0023	SUPORT	NSCCW NW IC FLTR RM @ 113 RIGID SUPPORT	NS	VIS	100599 FOL	18.000 12.000	
F-A	F1.30	NSE-0040	SUPORT	NSCCW CENTER AISLE UBOLT	NS	VIS	090399 ISI	8.000	
F-A	F1.30	NSH-0003	SUPORT	NSCCW NW IC FLTR RM @ 113 RIGID SUPPORT	NS	VIS	082599 ISI	8.000	
F-A	F1.30	NSH-0011	SUPORT	NSCCW RB WALL AREA ANCHOR	NS	VIS	082799 ISI	14.000	
F-A	F1.30	NSH-0031	SUPORT	NSCCW EXHST AIR TUNNEL UBOLT	NS	VIS	082799 ISI	18.000	
F-A	F1.30	NSH-0040	SUPORT	NSCCW UPSTRM NS-P-1C GUIDE	NS	VIS	092799 EXP	12.000	
F-A	F1.30	NSH-0154	SUPORT	NSCCW PERIMETER AREA UBOLT	NS	VIS	101099 ISI	6.000	
F-A	F1.30	NSH-0193	SUPORT	NSCCW WASTE VALVE AREA GUIDE	NS	VIS	101899 ISI	6.000	
F-A	F1.30	IPH-0012	SUPORT	RIVER WATER RIGID SUPPORT	RW	VIS	082399 ISI	16.000	
F-A	F1.30	RWE-0001	SUPORT	RIVER WTR HT EXCHR VAULT GUIDE	RW	VIS	082599 ISI	30.000	
F-A	F1.30	RWE-0076	SUPORT	RIVER WTR HEV N SIDE 110 GUIDE	RW	VIS	101899 ISI	24.000	
F-A	F1.30	RWH-0017	SUPORT	RIVER WTR HEV N SIDE 110 VARIABLE SUPPORT	RW	VIS	090399 ISI	12.000	
F-A	F1.40	DH-C-0001A	SUPORT	DHCC DC-C-1A @ DH-P-1A RM ANCHOR	DC	VIS	090799 ISI		
F-A	F1.40	DH-P-0001A	SUPORT	DH VAULT A ANCHOR	DH	VIS	090999 ISI		
F-A	F1.40	EF-0001-1	SUPORT	EF-V-19 U-BOLT	EF	VIS	082599 ISI	1.500	
F-A	F1.40	MS-0219	SUPORT	MS-V-1C HYDRAULIC SNUBBER	MS	VIS	101199 EXP	24.000	
F-A	F1.40	MS-0220	SUPORT	MS-V-1D HYDRAULIC SNUBBER	MS	VIS	101199 EXP	24.000	
F-A	F1.40	MS-0224	SUPORT	MS-V-1A HYDRAULIC SNUBBER	MS	VIS	101199 EXP	24.000	

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OUTAGE 13R
TABLE 1

ASME CAT	ASME ITEM NO	IDENTIFICATION TAG NUMBER SUFFIX	CODE	DESCRIPTION	SYST	NDE METH	EXAM DATE/ REASON	FROM DIAM./ TO DIAM.	REMARKS
F-A	F1.40	MS-0225	SUPORT	MS-V-1B HYDRAULIC SNUBBER	MS	VIS	101199 EXP	24.000	
F-A	F1.40	MS-0226	SUPORT	MS-V-1C HYDRAULIC SNUBBER	MS	VIS	101199 EXP	24.000	
F-A	F1.40	MS-0227	SUPORT	MS-V-1D HYDRAULIC SNUBBER	MS	VIS	101499 ISI	24.000	
F-A	F1.40	MS-0289	SUPORT	MS @ MS-V-1A HYDRAULIC SNUBBER	MS	VIS	101199 EXP	24.000	
F-A	F1.40	MS-0290	SUPORT	MS @ MS-V-1B HYDRAULIC SNUBBER	MS	VIS	092499 PSI	24.000	
F-A	F1.40	MU-P-0001B	SUPORT	MU-P-1B ANCHOR	MU	VIS	082799 ISI		
F-A	F1.40	DH-0031	SUPORT	REACTOR COOLANT UBOLT	RC	VIS	091799 FOL	1.500	
F-A	F1.40	RC-P-0001B RCP0001B10	SUPORT	RC SUPPORT (RING)	RC	VIS	100299 ISI		
F-A	F1.40	RC-P-0001B RCP0001B12	SUPORT	RC SUPPORT (RING)	RC	VIS	091599 ISI		
F-A	F1.40	RC-P-0001B RCP0001B2	SUPORT	RC SUPPORT (RING)	RC	VIS	100899 ISI		
F-A	F1.40	RC-P-0001B RCP0001B5	SUPORT	RC SUPPORT (RING)	RC	VIS	100899 ISI		
F-A	F1.40	RC-P-0001B RCP0001B7	SUPORT	RC SUPPORT (RING)	RC	VIS	101299 ISI		
F-A	F1.40	RC-T-0002	SUPORT	PZR SUPPORT SKIRT ANCHOR	RC	VIS	102099 PSI		
F-A	F1.40	RC-0015	SUPORT	RC @ RC-V-3 HYDRAULIC SNUBBER	RC	VIS	100799 ISI	2.500	
F-A	F1.40	RC-0015	SUPORT	RC @ RC-V-3 HYDRAULIC SNUBBER	RC	VIS	100299 PSI	2.500	
F-A	F1.40	RC-0017	SUPORT	RC TOP PLTFM @ PRESSURIZR HYDRAULIC SNUBBER	RC	VIS	100799 ISI	2.500	
F-A	F1.40	RC-0018	SUPORT	PZR RELIEF PIPING HYDRAULIC SNUBBER	RC	VIS	100799 ISI	2.500	
F-A	F1.40	RC-0018	SUPORT	PZR RELIEF PIPING HYDRAULIC SNUBBER	RC	VIS	100999 PSI	2.500	
F-A	F1.40	IPH-0017	SUPORT	RIVER WATER RIGID SUPPORT	RW	VIS	082599 ISI	30.000	

ENCLOSURE 1

NIS-1 TABLE 1

ABSTRACT OF SYSTEM PRESSURE TESTS

NIS-1 OWNERS DATA REPORT FOR INSERVICE INSPECTION

1. OWNER: Metropolitan Edison Company, 2800 Pottsville Pike, Reading, Pennsylvania
2. PLANT: Three Mile Island Nuclear Generating Station, Route 441 South, Middletown, Pennsylvania
3. PLANT UNIT: 1
4. OWNER CERTIFICATION OF AUTHORIZATION (if required): NONE
5. COMMERCIAL SERVICE DATE: 09/02/74
6. NATIONAL BOARD NUMBER FOR UNIT: Reactor Vessel N-109

CYCLE 12 & OUTAGE 13R

Table 1

IDENTIFICATION	SYSTEM	NDE Method	EXAM DATE	REASON	REMARKS[1]
1300-6A	See Remarks	VT-2	09-06-99	ISI	System: Concentrated Boric Acid
1300-6B	DR	VT-2	11-21-98	ISI	
1300-6C	NR	VT-2	12-07-98	ISI	Excludes Underground Piping
1300-6E	DC	VT-2	05-16-99	ISI	
1300-6F	SF	VT-2	02-10-99	ISI	
1300-6G	EFW	VT-2	05-04-99	ISI	Piping associated with EF-P1
1300-6H	EFW	VT-2	11-07-98	ISI	Piping associated with EF-P2A&B
1300-6J	NR	VT-2	09-15-99	ISI	Underground Piping Only
1300-6L	NS	VT-2	12-15-98	ISI	
1300-6M	MU	VT-2	09-04-98	ISI	
1300-6N	AH	VT-2	11-24-98	ISI	
1300-6Q	RC & CF	VT-2	10-01-99	ISI	Class 1 insulated bolted connections only
1300-6S	CF	VT-2	08-11-99	ISI	
1300-6T	DH (partial)	VT-2	10-10-99	ISI	1303-11.16 covers the rest of DH system
1300-6U	See Remarks	VT-2	08-02-99	ISI	System: FW & MS piping from OTSG's
1300-6V	See Remarks	VT-2	04-16-99	ISI	Inside containment for RB, CA, IC piping
1303-8.1	See Remarks	VT-2	11-17-99	ISI	Systems include: RC, DH, MU, CF, & CA
1303-11.9	RR	VT-2	10-12-99	ISI	
1303-11.16	DH (partial)	VT-2	10-02-99	ISI	1300-6T covers the rest of DH system
1303-11.50	BS	VT-2	11-14-99	ISI	VT-2 requirements moved from 1300-6R, Which had been performed on 5-23-99

[1] There were no unacceptable conditions found during these pressure tests.

ENCLOSURE 1

NIS-1 TABLE 1

ABSTRACT OF ASME SECTION XI IWE EXAMINATIONS

1. OWNER: *Metropolitan Edison Company, 2800 Pottsville Pike, Reading Pennsylvania*
2. PLANT: *Three Mile Island Nuclear Generating Station, Route 441 South, Middletown, Pennsylvania*
3. PLANT UNIT: *1*
4. OWNER CERTIFICATION OF AUTHORIZATION (IF REQUIRED): *NONE*
5. COMMERICAL SERVICE DATE: *09/02/74*
6. NATIONAL BOARD NUMBER FOR UNIT: *Reactor Vessel N-109*

ASME CAT.	ASME ITEM NO.	COMPONENT ID	DESCRIPTION	SYETEM	NDE METH	EXAM DATE	EXAM TYPE	EXAM RESULTS	REMARKS
E-G	E8.1	PENETRATION 105	INTERIOR BOLTING	CC	VT-1	10/01/99	ISI	ACCEPTABLE	BASELINE
E-G	E8.1	PENETRATION 106	INTERIOR BOLTING	CC	VT-1	10/01/99	ISI	ACCEPTABLE	BASELINE
E-G	E8.1	PENETRATION 221E	INTERIOR BOLTING	XX	VT-1	10/01/99	ISI	ACCEPTABLE	BASELINE
E-G	E8.1	PENETRATION 222E	INTERIOR BOLTING	XX	VT-1	10/01/99	ISI	ACCEPTABLE	BASELINE
E-G	E8.1	PENETRATION 240	INTERIOR BOLTING	HP	VT-1	10/01/99	ISI	ACCEPTABLE	BASELINE
E-G	E8.1	PENETRATION 241	INTERIOR BOLTING	XX	VT-1	10/01/99	ISI	ACCEPTABLE	BASELINE
E-G	E8.1	PENETRATION 414	INTERIOR BOLTING	XX	VT-1	10/06/99	ISI	ACCEPTABLE	BASELINE
E-G	E8.1	PENETRATION 415	INTERIOR BOLTING	HR	VT-1	10/06/99	ISI	ACCEPTABLE	BASELINE
E-G	E8.1	PENETRATION 416	INTERIOR BOLTING	HR	VT-1	10/02/99	ISI	ACCEPTABLE	BASELINE
E-G	E8.1	PENETRATION 417	INTERIOR BOLTING	LR	VT-1	10/02/99	ISI	RECORDABLE	BASELINE, REFER TO TABLE 2
E-G	E8.1	PENETRATION 105	EXTERIOR BOLTING	CC	VT-1	10/05/99	ISI	ACCEPTABLE	BASELINE
E-G	E8.1	PENETRATION 106	EXTERIOR BOLTING	CC	VT-1	10/05/99	ISI	ACCEPTABLE	BASELINE
E-G	E8.1	PENETRATION 221E	EXTERIOR BOLTING	XX	VT-1	10/05/99	ISI	ACCEPTABLE	BASELINE
E-G	E8.1	PENETRATION 222E	EXTERIOR BOLTING	XX	VT-1	10/05/99	ISI	ACCEPTABLE	BASELINE
E-G	E8.1	PENETRATION 241	EXTERIOR BOLTING	XX	VT-1	10/06/99	ISI	ACCEPTABLE	BASELINE
E-G	E8.1	PENETRATION 336	EXTERIOR BOLTING	AH	VT-1	10/06/99	ISI	ACCEPTABLE	BASELINE
E-G	E8.1	PENETRATION 414	EXTERIOR BOLTING	XX	VT-1	10/05/99	ISI	ACCEPTABLE	BASELINE
E-G	E8.1	PENETRATION 415	EXTERIOR BOLTING	HR	VT-1	10/05/99	ISI	ACCEPTABLE	BASELINE
E-G	E8.1	PENETRATION 416	EXTERIOR BOLTING	HR	VT-1	10/05/99	ISI	ACCEPTABLE	BASELINE
E-G	E8.1	PENETRATION 417	EXTERIOR BOLTING	LR	VT-1	10/05/99	ISI	ACCEPTABLE	BASELINE
E-G	E8.1	PENETRATION 418	EXTERIOR BOLTING	XX	VT-1	09/29/99	ISI	ACCEPTABLE	BASELINE
E-G	E8.1	PENETRATION 423	EXTERIOR BOLTING	AH	VT-1	10/06/99	ISI	ACCEPTABLE	BASELINE
E-D	E5.30	MOISTURE BARRIER	ALL ACCESSIBLE AREAS	153	VT-1	09/29/99	ISI	RECORDABLE	BASELINE, REFER TO TABLE 2.
E-A	E1.11	CONTAINMENT LINER	DOME	153	VT-3	09/17/99	ISI	ACCEPTABLE	BASELINE
E-A	E1.11	CONTAINMENT LINER	LINER PLATE 436'-346' ELEV.	153	VT-3	09/24/99	ISI	RECORDABLE	BASELINE, REFER TO TABLE 2.
E-A	E1.11	CONTAINMENT LINER	LINER PLATE 346'-305' ELEV.	153	VT-3	09/23/99	ISI	ACCEPTABLE	BASELINE
E-A	E1.11	CONTAINMENT LINER	LINER PLATE 305'-281' ELEV.	153	VT-3	09/24/99	ISI	RECORDABLE	BASELINE, REFER TO TABLE 2.
E-A	E1.11	CONTAINMENT LINER	LINER PLATE BELOW 281' ELEV.	153	VT-3	09/28/99	ISI	RECORDABLE	BASELINE, REFER TO TABLE 2.

1. OWNER: *Metropolitan Edison Company, 2800 Pottsville Pike, Reading Pennsylvania*
2. PLANT: *Three Mile Island Nuclear Generating Station, Route 441 South, Middletown, Pennsylvania*
3. PLANT UNIT: *1*
4. OWNER CERTIFICATION OF AUTHORIZATION (IF REQUIRED): *NONE*
5. COMMERICAL SERVICE DATE: *09/02/74*
6. NATIONAL BOARD NUMBER FOR UNIT: *Reactor Vessel N-109*

ASME CAT.	ASME ITEM NO.	COMPONENT ID	DESCRIPTION	SYETEM	NDE METH	EXAM DATE	EXAM TYPE	EXAM RESULTS	REMARKS
E-C	E4.12	CONTAINMENT LINER	UT GRID #1 @ 281' 70 DEGREES	153	UT	09/21/99	BASELINE	ACCEPTABLE	LOWEST READING IDENTIFIED
E-C	E4.12	CONTAINMENT LINER	UT GRID #2 @281' 108 DEGREES	153	UT	O9/21/99	BASELINE	ACCEPTABLE	LOWEST READING IDENTIFIED
E-C	E4.12	CONTAINMENT LINER	UT GRID #3 @281' 202 DEGREES	153	UT	09/21/99	BASELINE	ACCEPTABLE	LOWEST READING IDENTIFIED
E-C	E4.12	CONTAINMENT LINER	UT GRID #4 @281' 280 DEGREES	153	UT	09/21/99	BASELINE	ACCEPTABLE	LOWEST READING IDENTIFIED
E-C	E4.12	CONTAINMENT LINER	UT GRID #5 @281' 288 DEGREES	153	UT	09/21/99	BASELINE	ACCEPTABLE	LOWEST READING IDENTIFIED
E-C	E4.12	CONTAINMENT LINER	UT GRID #6 @281' 320 DEGREES	153	UT	09/21/99	BASELINE	ACCEPTABLE	LOWEST READING IDENTIFIED

ENCLOSURE 1

NIS-1 TABLE 1

ABSTRACT OF ASME SECTION XI IWL EXAMINATIONS

OWNER: *Metropolitan Edison Company, 2800 Pottsville Pike, Reading Pennsylvania*
PLANT: *Three Mile Island Nuclear Generating Station, Route 441 South, Middletown, Pennsylvania*
PLANT UNIT: *1*
OWNER CERTIFICATION OF AUTHORIZATION (IF REQUIRED): *NONE*
COMMERICAL SERVICE DATE: *09/02/74*
NATIONAL BOARD NUMBER FOR UNIT: *Reactor Vessel N-109*

TABLE 1
(25TH YEAR PERIOD 7)

ASME CAT.	ASME ITEM NO.	COMPONENT ID	DESCRIPTION	SYETEM	NDE/TEST METHOD	EXAM DATE	REMARKS
L-A	L1.11	CONCRETE SURFACE	ALL AREAS (EXTERIOR)	153	VT-3C	10/26/99	See suspect areas which follow (L.1.12).
L-A	L1.12	CONCRETE SURFACE	SUSPECT AREAS (EXTERIOR)	153	VT-1C	10/20/99	SEE TABLE 2.
L-B	L2.10	V32	VERTICAL TENDON	153	IWL-2522	08/27/99	ACCEPTABLE.
L-B	L2.10	V40	VERTICAL TENDON	153	IWL-2522	08/27/99	ACCEPTABLE
L-B	L2.10	V114	VERTICAL TENDON	153	IWL-2522	09/13/99	ACCEPTABLE
L-B	L2.10	V164	VERTICAL TENDON	153	IWL-2522	10/21/99	ACCEPTABLE
L-B	L2.10	H13-50	HOOP TENDON	153	IWL-2522	10/02/99	ACCEPTABLE
L-B	L2.10	H35-33	HOOP TENDON	153	IWL-2522	09/07/99	ACCEPTABLE
L-B	L2.10	H46-37	HOOP TENDON	153	IWL-2522	09/23/99	ACCEPTABLE
L-B	L2.10	H51-43	HOOP TENDON	153	IWL-2522	09/14/99	ACCEPTABLE
L-B	L2.10	H62-26	HOOP TENDON	153	IWL-2522	09/02/99	ACCEPTABLE
L-B	L2.10	D102	DOME TENDON	153	IWL-2522	10/07/99	ACCEPTABLE
L-B	L2.10	D225	DOME TENDON	153	IWL-2522	09/01/99	ACCEPTABLE
L-B	L2.10	D313	DOME TENDON	153	IWL-2522	10/05/99	ACCEPTABLE
L-B	L2.20	V164	VERTICAL TENDON WIRE	153	IWL-2523.2	10/26/99	ACCEPTABLE
L-B	L2.20	H13-50	HOOP TENDON WIRE	153	IWL-2523.2	10/26/99	ACCEPTABLE
L-B	L2.20	D102	DOME TENDON WIRE	153	IWL-2523.2	10/26/99	ACCEPTABLE
L-B	L2.30	V32 VERTICAL TENDON	ANCHORAGE HDWRE & CONCRETE	153	VT-1 & VT-1C	09/29/99	ACCEPTABLE
L-B	L2.30	V40 VERTICAL TENDON	ANCHORAGE HDWRE & CONCRETE	153	VT-1 & VT-1C	09/29/99	ACCEPTABLE
L-B	L2.30	V114 VERTICAL TENDON	ANCHORAGE HDWRE & CONCRETE	153	VT-1 & VT-1C	09/29/99	ACCEPTABLE
L-B	L2.30	V164 VERTICAL TENDON	ANCHORAGE HDWRE & CONCRETE	153	VT-1 & VT-1C	09/29/99	ACCEPTABLE
L-B	L2.30	H13-50 HOOP TENDON	ANCHORAGE HDWRE & CONCRETE	153	VT-1 & VT-1C	09/30/99	ACCEPTABLE
L-B	L2.30	H35-33 HOOP TENDON	ANCHORAGE HDWRE & CONCRETE	153	VT-1 & VT-1C	09/07/99	ACCEPTABLE

OWNER: *Metropolitan Edison Company, 2800 Pottsville Pike, Reading Pennsylvania*
PLANT: *Three Mile Island Nuclear Generating Station, Route 441 South, Middletown, Pennsylvania*
PLANT UNIT: *1*
OWNER CERTIFICATION OF AUTHORIZATION (IF REQUIRED): *NONE*
COMMERICAL SERVICE DATE: *09/02/74*
NATIONAL BOARD NUMBER FOR UNIT: *Reactor Vessel N-109*

TABLE 1
(25TH YEAR PERIOD 7)

ASME CAT.	ASME ITEM NO.	COMPONENT ID	DESCRIPTION	SYETEM	NDE/TEST METHOD	EXAM DATE	REMARKS
L-B	L2.30	H46-37 HOOP TENDON	ANCHORAGE HDWRE & CONCRETE	153	VT-1 & VT-1C	09/23/99	SEE TABLE 2
L-B	L2.30	H51-43 HOOP TENDON	ANCHORAGE HDWRE & CONCRETE	153	VT-1 & VT-1C	09/14/99	ACCEPTABLE
L-B	L2.30	H62-26 HOOP TENDON	ANCHORAGE HDWRE & CONCRETE	153	VT-1 & VT-1C	09/02/99	ACCEPTABLE
L-B	L2.30	D102 DOME TENDON	ANCHORAGE HDWRE & CONCRETE	153	VT-1 & VT-1C	10/07/99	ACCEPTABLE
L-B	L2.30	D225 DOME TENDON	ANCHORAGE HDWRE & CONCRETE	153	VT-1 & VT-1C	08/31/99	ACCEPTABLE
L-B	L2.30	D313 DOME TENDON	ANCHORAGE HDWRE & CONCRETE	153	VT-1 & VT-1C	10/05/99	ACCEPTABLE
L-B	L2.30	D104 EXEMPT DOME TENDON	ANCHORAGE HDWRE & CONCRETE	153	VT-1 & VT-1C	10/11/99	INACCESSIBLE FOR LIFT-OFF IWL-2521.1C ACCEPTABLE
L-B	L2.40	V32 VERTICAL TENDON	CORROSION PROTECTION MEDIUM	153	IWL-2525.2(a)	12/01/99	ACCEPTABLE
L-B	L2.40	V40 VERTICAL TENDON	CORROSION PROTECTION MEDIUM	153	IWL-2525.2(a)	12/01/99	ACCEPTABLE
L-B	L2.40	V114 VERTICAL TENDON	CORROSION PROTECTION MEDIUM	153	IWL-2525.2(a)	12/01/99	ACCEPTABLE
L-B	L2.40	V164 VERTICAL TENDON	CORROSION PROTECTION MEDIUM	153	IWL-2525.2(a)	12/01/99	SEE TABLE 2
L-B	L2.40	H13-50 HOOP TENDON	CORROSION PROTECTION MEDIUM	153	IWL-2525.2(a)	12/01/99	ACCEPTABLE
L-B	L2.40	H35-33 HOOP TENDON	CORROSION PROTECTION MEDIUM	153	IWL-2525(a)	12/01/99	ACCEPTABLE
L-B	L2.40	H46-37 HOOP TENDON	CORROSION PROTECTION MEDIUM	153	IWL-2525(a)	12/01/99	ACCEPTABLE
L-B	L2.40	H51-43 HOOP TENDON	CORROSION PROTECTION MEDIUM	153	IWL-2525.2(a)	12/01/99	ACCEPTABLE

OWNER: *Metropolitan Edison Company, 2800 Pottsville Pike, Reading Pennsylvania*
PLANT: *Three Mile Island Nuclear Generating Station, Route 441 South, Middletown, Pennsylvania*
PLANT UNIT: *1*
OWNER CERTIFICATION OF AUTHORIZATION (IF REQUIRED): *NONE*
COMMERICAL SERVICE DATE: *09/02/74*
NATIONAL BOARD NUMBER FOR UNIT: *Reactor Vessel N-109*

TABLE 1
(25TH YEAR PERIOD 7)

ASME CAT.	ASME ITEM NO.	COMPONENT ID	DESCRIPTION	SYETEM	NDE/TEST METHOD	EXAM DATE	REMARKS
L-B	L2.40	H62-26 HOOP TENDON	CORROSION PROTECTION MEDIUM	153	IWL-2525.2(a)	12/01/99	ACCEPTABLE
L-B	L2.40	D102 DOME TENDON	CORROSION PROTECTION MEDIUM	153	IWL-2525.2(a)	12/01/99	ACCEPTABLE
L-B	L2.40	D225 DOME TENDON	CORROSION PROTECTION MEDIUM	153	IWL-2525.2(a)	12/01/99	ACCEPTABLE
L-B	L2.40	D313 DOME TENDON	CORROSION PROTECTION MEDIUM	153	IWL-2525.2(a)	12/01/99	ACCEPTABLE
L-B	L2.40	D104 EXEMPT DOME TENDON	CORROSION PROTECTION MEDIUM	153	IWL-2525.2(a)	12/01/99	ACCEPTABLE
L-B	L2.50	V32 VERTICAL TENDON	FREE WATER	153	IWL-2525.2(b)	09/17/99	ACCEPTABLE
L-B	L2.50	V40 VERTICAL TENDON	FREE WATER	153	IWL-2525.2(b)	09/29/99	ACCEPTABLE
L-B	L2.50	V114 VERTICAL TENDON	FREE WATER	153	IWL-2525.2(b)	09/16/99	ACCEPTABLE
L-B	L2.50	V164 VERTICAL TENDON	FREE WATER	153	IWL-2525.2(b)	09/27/99	ACCEPTABLE
L-B	L2.50	H13-50 HOOP TENDON	FREE WATER	153	IWL-2525.2(b)	09/30/99	ACCEPTABLE
L-B	L2.50	H35-33 HOOP TENDON	FREE WATER	153	IWL-2525.2(b)	09/07/99	ACCEPTABLE
L-B	L2.50	H46-37 HOOP TENDON	FREE WATER	153	IWL-2525.2(b)	09/22/99	ACCEPTABLE
L-B	L2.50	H51-43 HOOP TENDON	FREE WATER	153	IWL-2525.2(b)	09/14/99	ACCEPTABLE
L-B	L2.50	H62-26 HOOP TENDON	FREE WATER	153	IWL-2525.2(b)	09/02/99	ACCEPTABLE
L-B	L2.50	D102 DOME TENDON	FREE WATER	153	IWL-2525.2(b)	10/07/99	ACCEPTABLE
L-B	L2.50	D225 DOME TENDON	FREE WATER	153	IWL-2525.2(b)	08/31/99	ACCEPTABLE

OWNER: *Metropolitan Edison Company, 2800 Pottsville Pike, Reading Pennsylvania*
PLANT: *Three Mile Island Nuclear Generating Station, Route 441 South, Middletown, Pennsylvania*
PLANT UNIT: *1*
OWNER CERTIFICATION OF AUTHORIZATION (IF REQUIRED): *NONE*
COMMERICAL SERVICE DATE: *09/02/74*
NATIONAL BOARD NUMBER FOR UNIT: *Reactor Vessel N-109*

TABLE 1
(25TH YEAR PERIOD 7)

ASME CAT.	ASME ITEM NO.	COMPONENT ID	DESCRIPTION	SYETEM	NDE/TEST METHOD	EXAM DATE	REMARKS
L-B	L2.50	D313 DOME TENDON	FREE WATER	153	IWL-2525.2(b)	10/05/99	ACCEPTABLE
L-B	L2.50	D104 EXEMPT DOME TENDON	FREE WATER	153	IWL-2525.2(b)	10/11/99	ACCEPTABLE

ENCLOSURE 1

NIS-1 TABLE 2

ABSTRACT OF ISI CORRECTIVE ACTIONS
(PRESSURE BOUNDRY AND COMPONENT SUPPORT EXAMINATIONS EXCLUDING OTSG EDDY CURRENT)

NIS-1 OWNERS DATA REPORT FOR INSERVICE INSPECTION

1. OWNER: Metropolitan Edison Company, 2800 Pottsville Pike
   Reading, Pennsylvania
2. PLANT: Three Mile Island Nuclear Generating Station
   Route 441 South, Middletown, Pennsylvania
3. PLANT UNIT: 1
4. OWNER CERTIFICATION OF AUTHORIZATION (if required): NONE
5. COMMERCIAL SERVICE DATE: 09/02/74
6. NATIONAL BOARD NUMBER FOR UNIT: Reactor Vessel N-109

OUTAGE 13R
TABLE 2

EXAM NO.	ASME CAT	ASME ITEM NO	IDENTIFICATION TAG NUMBER SUFFIX	CODE	DESCRIPTION	SYS	NDE METH	UNACCCEPTABLE INDICATION AND DISPOSITION
00008573	F-A	F1.20	SPSE0010	SUPORT	HYDRAULIC SNUBBER	BS	VIS	LOOSE NUTS TIGHTENED.
00007511	F-A	F1.30	MS0077	SUPORT	ANCHOR	MS	VIS	LOOSE STUDS TIGHTENED.
00010347	F-A	F1.20	MS0208	SUPORT	HYDRAULIC SNUBBER	MS	VIS	BOUND REAR BRACKET. SUPPORT ACCEPTABLE AFTER LUBRICATION OF SHERICAL BEARINGS.
00007464	F-A	F1.20	MS0211	SUPORT	HYDRAULIC SNUBBER	MS	VIS	REPLACED MISSING NUT.
00007467	F-A	F1.20	MS0214	SUPORT	HYDRAULIC SNUBBER	MS	VIS	LOOSE NUT TIGHTENED
00010357	F-A	F1.20	MS0229	SUPORT	HYDRAULIC SNUBBER	MS	VIS	HYDRAULIC FLUID LEAKAGE CORRECTED.
00010370	F-A	F1.20	MS0291	SUPORT	HYDRAULIC SNUBBER	MS	VIS	SNUBBER BOUND ON SPHERICAL BEARING. THE BEARING WAS LUBRICATED AND IS ACCEPTABLE.
00009943	F-A	F1.30	NSE0023	SUPORT	RIGID	NS	VIS	LOOSE NUTS TIGHTENED.
00006379	B-G-2	B7.80	RDU0018 CRDM018	FLANGE	FLANGE BOLTING	RC	VIS	EVIDENCE OF LEAKAGE DISPOSITIONED AS ACCEPTABLE.
00006383	B-G-2	B7.80	RDU0020 CRDM020	FLANGE	FLANGE BOLTING	RC	VIS	EVIDENCE OF LEAKAGE DISPOSITIONED AS ACCEPTABLE.

NIS-1 OWNERS DATA REPORT FOR INSERVICE INSPECTION

1. OWNER: Metropolitan Edison Company, 2800 Pottsville Pike
   Reading, Pennsylvania
2. PLANT: Three Mile Island Nuclear Generating Station
   Route 441 South, Middletown, Pennsylvania
3. PLANT UNIT: 1
4. OWNER CERTIFICATION OF AUTHORIZATION (if required): NONE
5. COMMERCIAL SERVICE DATE: 09/02/74
6. NATIONAL BOARD NUMBER FOR UNIT: Reactor Vessel N-109

OUTAGE 13R
TABLE 2

EXAM NO.	ASME CAT	ASME ITEM NO	IDENTIFICATION TAG NUMBER SUFFIX	CODE	DESCRIPTION	SYS	NDE METH	UNACCCEPTABLE INDICATION AND DISPOSITION
00006393	B-G-2	B7.80	RDU0025 CRDM025	 FLANGE	FLANGE BOLTING	RC	VIS	EVIDENCE OF LEAKAGE DISPOSITIONED AS ACCEPTABLE.
00006398	B-G-2	B7.80	RDU0027 CRDM027	 FLANGE	FLANGE BOLTING	RC	VIS	EVIDENCE OF LEAKAGE DISPOSITIONED AS ACCEPTABLE.
00006409	B-G-2	B7.80	RDU0033 CRDM033	 FLANGE	FLANGE BOLTING	RC	VIS	EVIDENCE OF LEAKAGE DISPOSITIONED AS ACCEPTABLE.
00006425	B-G-2	B7.80	RDU0041 CRDM041	 FLANGE	FLANGE BOLTING	RC	VIS	EVIDENCE OF LEAKAGE DISPOSITIONED AS ACCEPTABLE.
00006433	B-G-2	B7.80	RDU0045 CRDM045	 FLANGE	FLANGE BOLTING	RC	VIS	EVIDENCE OF LEAKAGE DISPOSITIONED AS ACCEPTABLE.
00006465	B-G-2	B7.80	RDU0061 CRDM061	 FLANGE	FLANGE BOLTING	RC	VIS	EVIDENCE OF LEAKAGE DISPOSITIONED AS ACCEPTABLE.
00006475	B-G-2	B7.80	RDU0066 CRDM066	 FLANGE	FLANGE BOLTING	RC	VIS	EVIDENCE OF LEAKAGE DISPOSITIONED AS ACCEPTABLE.

ENCLOSURE 1

NIS-1 TABLE 2

ABSTRACT OF IWE AND IWL CORRECTIVE ACTIONS

OWNER: *Metropolitan Edison Company, 2800 Pottsville Pike, Reading Pennsylvania*
PLANT: *Three Mile Island Nuclear Generating Station, Route 441 South, Middletown, Pennsylvania*

PLANT UNIT: *1*
OWNER CERTIFICATION OF AUTHORIZATION (IF REQUIRED): *NONE*
COMMERICAL SERVICE DATE: *09/02/74*
NATIONAL BOARD NUMBER FOR UNIT: *Reactor Vessel N-109*

TABLE 2

IWE Corrective Actions for OUTAGE 13R

ASME CAT.	ASME ITEM NO.	COMPONENT ID	DESCRIPTION	SYETEM	NDE METH	UNACCEPTABLE INDICATION AND DISPOSITION
E-G	E8.1	INTERIOR PENETRATION 417	FLANGE BOLTING	LR	VT-1	INCOMPLETE THREAD ENGAGEMENT. ACCEPTABLE PER ENGINEERING EVALUATION # 99-0029.
E-D	E5.30	MOISTURE BARRIER	INTERIOR CORK SEAL	153	VT-1	FLOOR SLAB TO LINER PLATE SEAL WAS DEGRADED. REPAIR PER CAP T1999-0918.
E-A	E1.11	CONTAINMENT LINER	LINER PLATE 436'-346' ELEV.	153	VT-3	VOID IN LINER PLATE. USE-AS-IS PER CAP T1999-0869
E-A	E1.11	CONTAINMENT LINER	LINER PLATE 305'-281' ELEV.	153	VT-3	CORROSION ON LINER PLATE. USE-AS-IS PER CAP T1999-0869.
E-A	E1.11	CONTAINMENT LINER	LINER PLATE BELOW 281'ELEV.	153	VT-3	CORROSION ON LINER PLATE.USE-AS-IS PER CAP T1999-0902

IWL Corrective Actions for 25TH YEAR PERIOD 7

ASME CAT.	ASME ITEM NO.	COMPONENT ID	DESCRIPTION	SYETEM	NDE /TEST METHOD	UNACCEPTABLE INDICATION AND DISPOSITION
L-A	L1.12	CONCRETE SURFACE	SUSPECT AREAS (EXTERIOR)	153	VT-1C	Concrete spalls, crack between D320 NE & D321 NE @ .018" wide (>.015), & exposed rebar in quad above ring girder, shown acceptable by evaluation, re-exam during 30th Year surveillance to ensure stable with no active degradation mechanism(s).
L-B	L2.30	H46-37 HOOP TENDON	ANCHORAGE HDWRE & CONCRETE	153	VT-1 & VT-1C	Concrete crack width @ .013" (>.010") acceptable by evaluation. Re-exam during 30th Year surveillance to ensure stable with no active degradation mechanism(s).
L-B	L2.40	V164 VERTICAL TENDON (BOTTOM)	CORROSION PROTECTION MEDIUM	153	IWL-2525.2 (a)	Nitrates found to be 10.3 ppm (>10.0 ppm) – acceptable by evaluation – re-sample during 30th Year Surveillance to ensure reserve alkalinity number is stable.

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner METROPOLITAN EDISON COMPANY (Name) — Date 09·23·99
   2800 POTTSVILLE PIKE READING, PENNSYLVANIA (Address) — Sheet 1 of 1
2. Plant Three Mile Island Generating Station (Name) — Unit TMI-1
   ROUTE 441 South, Middletown Pa 17057 (Address) — Job Order 00160426 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by GPU Nuclear (Name) — Type Code Symbol Stamp n/a
   100 Interpace Parkway Parsippany, New Jersey (Address) — Authorization No. n/a — Expiration Date n/a
4. Identification of System MAKE UP and Purification
5. (a) Applicable Construction Code B31.7 19 68 Edition, June 68 ~~Addenda,~~ ERRATA N416-1 Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86/92
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
½" TUBING	n/a	n/a	n/a	n/a	n/a	REPAIR / REPLACED	NO

7. Description of Work REPLACE ½" TUBING DOWNSTREAM of MU-V-1032 (N-2, IWC)
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑
   Other ☐ Pressure _____ psi Test Temp. _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed ISI PROJECT MANAGER (Owner or Owner's Designee, Title) Date NOVEMBER 24, 1999

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Hartford Steam Boiler I & I Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 11-1-97 to 11-1-99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Joseph L. Kelly (Inspector's Signature) Commissions NB 5478 (N) (I) PA 1887 (National Board, State, Province, and Endorsements)

Date November 24 1999

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner METROPOLITAN EDISON COMPANY (Name)
2800 POTTSVILLE PIKE
READING, PENNSYLVANIA (Address)

Date NOVEMBER 19, 1999

Sheet 1 of 1

2. Plant THREE MILE ISLAND NUCLEAR STATION (Name)
RT 441 SOUTH MIDDLETOWN, PA. (Address)

Unit TMI-1

JOB ORDER 153290
Repair Organization P.O. No., Job No., etc.

3. Work Performed by GPUN (Name)
100 INTERPACE PARKWAY
PARSIPPANY, NEW JERSEY (Address)

Type Code Symbol Stamp NA
Authorization No. NA
Expiration Date NA

4. Identification of System RC

5. (a) Applicable Construction Code ASME SEC III 19 68 Edition, NA Addenda, NA Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
RC PUMP 1C	WESTINGHOUSE	NA	NA	RCP0001C MAIN FLANGE	NA	REPLACED/ REPAIRED	NO
RC PUMP 1C	WESTINGHOUSE	NA	NA	RCP0001C MAIN FLANGE BOLTING	NA	REPLACED	NO

7. Description of Work SEE REMARKS

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure _____ psi Test Temp. _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks Machined the main Flange gasket area due to Warpage discovered by Framatome. Also, replaced the (24) Main Flange bolts with a new design stud and nut. The top portion (MAIN FLANGE COVER) was also replaced and the Main Flange Thermal Barrier was replaced.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Repair/Replacement conforms to the rules of the ASME Code, Section XI.
repair or replacement

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed ISI PROJECT MANAGER Date NOVEMBER 19, 1999
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by HARTFORD STEAM BOILER I & I CO. of HARTFORD, CT. have inspected the components described in this Owner's Report during the period 11-1-97 to 11-1-99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Joseph Shelly
Inspector's Signature

Commissions NB 5478 (N)(I) PA 1887
National Board, State, Province, and Endorsements

Date November 22 1999

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Metropolitan Edison Company (Name) — Date 10-04-99
   2800 Pottsville Pike, Reading, Pennsylvania (Address) — Sheet 1 of 1
2. Plant Nuclear Generating Station (Name) — Unit TMI Unit 1
   Three Mile Island, Route 441 South, Middletown, Pennsylvania (Address) — Job Order 00147047 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by GPU Nuclear (Name) — Type Code Symbol Stamp n/a
   100 Interpace Pkwy., Parsippany, New Jersey (Address) — Authorization No. n/a — Expiration Date n/a
4. Identification of System Reactor Coolant
5. (a) Applicable Construction Code USAS B31.7 1969 Edition, n/a Addenda, n/a Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
RC-V42/V43	n/a	n/a	n/a	n/a	na	REPAIRED/REPLACED	NO

7. Description of Work REPLACED RC-V-42 & RC-V-43 / Associated ½" PIPING
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑
   Other ☐ Pressure n/A psi Test Temp. n/A °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPAIR/~~REPLACEMENT~~ conforms to the rules of the ASME Code, Section XI.
repair or replacement

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed ISI PROJECT MANAGER Date NOVEMBER 17, 19 99
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by HARTFORD STEAM BOILER I & I CO. of HARTFORD, CT have inspected the components described in this Owner's Report during the period 11-1-97 to 11-1-99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Joseph L Shelly Commissions NB 5478 (N) (I) PA 1887
Inspector's Signature National Board, State, Province, and Endorsements

Date November 17 19 99

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Metropolitan Edison Company (Name) — Date 09-29-1999
   2800 Pottsville Pike, Reading, Pennsylvania (Address) — Sheet 1 of 1
2. Plant Three Mile Island Generating Station (Name) — Unit TMI Unit 1
   Route 441 South, Middletown, Pa 17057 (Address) — Job Order 00168458 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by GPU Nuclear (Name) — Type Code Symbol Stamp n/a
   100 Interpace Parkway, Parsippany, New Jersey (Address) — Authorization No. n/a
   Expiration Date n/a
4. Identification of System Decay Heat River Water
5. (a) Applicable Construction Code USAS B31.1 19 67 Edition, n/a Addenda, N416-1 Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86/92
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
24" Flanges &	n/a	n/a	n/a	n/a	n/a	Repair/ Replaced	No
Integral attachments	n/a	n/a	n/a	n/a	n/a	Repair/ Replaced	No

7. Description of Work Installation of a Flow Orifice off of DR-P-1A.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑ via Code Case N416-1
   Other ☐ Pressure — psi Test Temp. — °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPAIR/REPLACEMENT conforms to the rules of the ASME Code, Section XI.
repair or replacement

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed ISI PROGRAM MANAGER Date NOVEMBER 17, 1999
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by HARTFORD STEAM BOILER I & I CO. of HARTFORD, CT. have inspected the components described in this Owner's Report during the period 11-1-97 to 11-1-99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Joseph [illegible] Commissions NB 5478 (N) (I) PA 1887
Inspector's Signature National Board, State, Province, and Endorsements

Date November 18 1999

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Metropolitan Edison Company (Name)
2800 Pottsville Pike
READING, PENNSYLVANIA (Address)

Date 09·25·99

Sheet 1 of 1

2. Plant Three Mile Island Generating Station (Name)
ROUTE 441 South Middletown, Pa (Address)

Unit TMI-1

Job Order 00166325
Repair Organization P.O. No., Job No., etc.

3. Work Performed by GPU Nuclear (Name)
100 Interpace Parkway
Parsippany, New Jersey (Address)

Type Code Symbol Stamp n/a
Authorization No. n/a
Expiration Date n/a

4. Identification of System Decay Heat River Water

5. (a) Applicable Construction Code USAS B31.1 19 67 Edition, — Addenda, N-416-1 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86/92

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
24" Flanges &	n/a	n/a	n/a	n/a	n/a	REPAIRED/ REPLACED	NO
integral attachments	n/a	n/a	n/a	n/a	n/a	REPAIRED/ REPLACED	NO

7. Description of Work Addition of a flow orifice off of DR-P-1B

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑ (N416-1)
Other ☐ Pressure _____ psi Test Temp. _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPAIR/REPLACEMENT conforms to the rules of the ASME Code, Section XI.

repair or replacement

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed ISI PROGRAM MANAGER Date NOVEMBER 17, 19 99

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by HARTFORD STEAM BOILER I & I CO. of HARTFORD, CT. have inspected the components described in this Owner's Report during the period 11-1-97 to 11-1-99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Joseph S. Shelly Commissions NB5478 (N) (I) PA 1887

Inspector's Signature National Board, State, Province, and Endorsements

Date November 18 19 99

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Metropolitan Edison Company (Name) — Date 13 January, 1998
2800 Pottsville Pike
Reading, Pennsylvania (Address) — Sheet 1 of 1
2. Plant Three Mile Island Nuclear Generating Station (Name) — Unit TMI-1
Rt. 441 South Middletown, PA (Address) — Job Order 00142157 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by GPU Nuclear (Name) — Type Code Symbol Stamp N/A
100 Interpace Parkway
Parsippany, New Jersey (Address) — Authorization No. N/A
Expiration Date N/A
4. Identification of System MAKE UP AND PURIFICATION
5. (a) Applicable Construction Code USAS B31.7 19 68 Edition, DRAFT Addenda, N416-1 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 1986/1992 @ ASME III 1992 per N-416-1
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
MU-FE-240B	N/A	N/A	N/A	N/A	N/A	REPLACE-MENT	NO

7. Description of Work REPLACEMENT OF MU-FE-240B
8. Tests Conducted: Hydrostatic ☑ Pneumatic ☐ Nominal Operating Pressure ☑ VT-2
Other ☐ Pressure 3850 psi Test Temp. N/A °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

FORM NIS-2 (Back)

9. Remarks REPLACEMENT OF MU-FE-0240B; Installation by 2" Socket WELDED Joints.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI.

repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date N/A

Signed STAUFFER ISI ENGINEER Date JAN 14, 19 98

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Hartford Steam Boiler I&I Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 10-12-95 to 10-31-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature

Commissions NB 5478 (I)(N) PA 1687

National Board, State, Province, and Endorsements

Date Jan 14 19 98

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner METROPOLITAN EDISON COMPANY (Name)
2800 POTTSVILLE PIKE
READING, PENNSYLVANIA (Address)

Date 05, MARCH, 1998

Sheet 1 of 1

2. Plant Nuclear Generating Station (Name)
THREE MILE ISLAND
Rte. 441 South; MIDDLETOWN, Pa (Address)

Unit TMI 1

Job Order 141393 / MNCR T.1998-0093
Repair Organization P.O. No., Job No., etc.

3. Work Performed by GPU NUCLEAR (Name)
PARSIPPANY, New Jersey (Address)

Type Code Symbol Stamp N/A
Authorization No. N/A
Expiration Date N/A

4. Identification of System IC-C-001A

5. (a) Applicable Construction Code ASME VIII 19 68 Edition, n/a Addenda, NBIC 1995 ~~Code Case~~
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86 / 1992 (CODE CASE N416-1)

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
IC-C-001A	WHITLOCK	n/a	NB8233	PA # 432296	1969	REPAIR	YES

7. Description of Work WELD "OVERLAY" REPAIR OF WASTED AREAS ON THE NORTH HEAD OF IC-C-001A

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑ VT-2 @ CODE CASE N416-1
Other ☐ Pressure _____ psi Test Temp. _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPAIR (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration Date N/A

Signed Stauffer ISI SPECIALIST Date MAR. 5, 19 98

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNA and employed by HARTFORD STEAM BOILER I & I Co of HARTFORD CT. have inspected the components described in this Owner's Report during the period 10-31-97 to 10-31-99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature

Commissions PA 1887 NB 5478 (N) (I)

National Board, State, Province, and Endorsements

Date MAR. 11 19 98

(12/82)

WA-ADL # 23-1
Page / Sheet 1 of 2
WA # 120044AA

FIELD COPY

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Metropolitan Edison Company (Name) — Date 10/99
2800 Pottsville Pike, Reading, Pennsylvania (Address) — Sheet 1 of 1

2. Plant Three Mile Island Generating Station (Name) — Unit TMI-1
Route #441 South Middletown, Pa (Address) — Job Order 00163453 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by GPU Nuclear (Name) — Type Code Symbol Stamp n/a
100 Interpace Parkway, Parsippany, New Jersey (Address) — Authorization No. n/a — Expiration Date n/a

4. Identification of System Decay Heat Removal

5. (a) Applicable Construction Code USAS B31.7 19 68 Edition, Draft C Addenda, June 68 Errata ~~Code Case~~
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1/2" .065" Tubing	n/a	n/a	n/a	n/a	n/a	REPAIR / REPLACED	
1/2" sch 160 PIPING	n/a	n/a	n/a	n/a	n/a	REPAIR / REPLACED	

7. Description of Work DH-V-001 & DH-V-002 PRESSURE LOCKING MODIFICATION

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑
Other ☐ Pressure 158 psi Test Temp. _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

(12/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

AUDIT COPY

FORM NIS-2 (Back)

9. Remarks Subject modification PROVIDES FOR A PRESSURE RELIEF PATH for
Applicable Manufacturer's Data Reports to be attached
DH-V-001 & DH-V-002 bonnets and interconnecting PIPING to PREVENT PRESSURE LOCKING of these VALVES OR OVER PRESSURIZATION of the PIPING.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Repair (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed ISI Program Manager (Owner or Owner's Designee, Title) Date Nov 9, 19 99

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Hartford Steam Boiler I & I Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 11-1-97 to 11-1-99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature Commissions NB 5478 (N)(I) (National Board, State, Province, and Endorsements)

Date Nov. 10 19 99

(12/82)

WA-ADL # 23-1
Page / Sheet 2 of 2
WA # 120044AA

FIELD COPY

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner METROPOLITAN Edison COMPANY (Name) — Date 10.08.99
2800 Pottsville Pike
READING, PENNSYLVANIA (Address) — Sheet 1 of 1

2. Plant Three Mile Island Generating Station (Name) — Unit TMI 1
Route 441 South Middletown, Pennsylvania (Address) — Job Order 00160722 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by GPU Nuclear (Name) — Type Code Symbol Stamp n/a
100 Interpace PKWY. — Authorization No. n/a
Parsippany, New Jersey (Address) — Expiration Date n/a

4. Identification of System Intermediate Closed Cooling

5. (a) Applicable Construction Code ASME VIII 19 68 Edition, n/a Addenda, n/a Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
IC-C-0001B	WHITLOCK	n/a	8234	n/a	1969	REPAIRED	Y

7. Description of Work Cut access HOLE in shell of IC-C-1B & Reinstall a new section of shell.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑
Other ☐ Pressure n/a psi Test Temp. n/a °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed STAUFFEL ISI PROJECT MANAGER (Owner or Owner's Designee, Title) Date 11-3-99, 19 99

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Hartford Steam Boiler I & I Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 11-1-97 to 11-1-99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Joseph M Shelby (Inspector's Signature) Commissions NB 5478 (I)(N) (National Board, State, Province, and Endorsements)

Date Nov. 10 19 99

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner METROPOLITAN Edison COMPANY 2800 POTTSVILLE PIKE READING, PENNSYLVANIA (Name / Address) — Date 10-14-99 — Sheet 1 of 1

2. Plant Three Mile Island Station (Name) — Unit I
RT. 441 South, Middletown Pennsylvania (Address) — Job Order 00172575 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by GPU Nuclear (Name) — Type Code Symbol Stamp n/a
100 Interpace Pkwy, Parsippany, New Jersey (Address) — Authorization No. n/a — Expiration Date n/a

4. Identification of System Decay Heat Closed Cooling Water

5. (a) Applicable Construction Code USAS B31.1 19 67 Edition, _____ Addenda, n/a Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
BRANCH CONN. 2" NPS to PIPE	n/a	n/a	n/a	n/a	n/a	REPAIRED	NO

7. Description of Work Installation of threadolets (2") on piping for chemical injection

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☑ Nominal Operating Pressure ☐
Other ☐ Pressure 100 psi Test Temp. n/a °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

(12/82) This Form (E00030) may be obtained from the Order Dept., ~~ASME, 345 E.~~ 47th St., New York, N.Y. 10017

FIELD COPY

WA-ADL # 23-1
Page / Sheet 1 of 2
WA # 00172575

FORM NIS-2 (Back)

9. Remarks n/a

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPAIR (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp n/a

Certificate of Authorization No. n/a Expiration Date n/a

Signed ISI Program Manager (Owner or Owner's Designee, Title) Date NOV 9, 19 99

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Hartford Steam Boiler I & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 11-1-97 to 11-1-99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Joseph S. Hubly (Inspector's Signature) Commissions NB 5478 (N)(I) (National Board, State, Province, and Endorsements)

Date NOV 10 19 99

(12/82)

WA-ADL # 23-1
Page / Sheet 2 of 2
WA # 00172575

FIELD COPY

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner METROPOLITAN EDISON COMPANY (Name)
2800 POTTSVILLE PIKE
READING, PENNSYLVANIA (Address)

Date NOVEMBER 11, 1999

Sheet 1 of 1

2. Plant THREE MILE ISLAND NUCLEAR STATION (Name)
RT 441 SOUTH MIDDLETOWN, PA. (Address)

Unit TMI-1

JOB ORDER 161405
Repair Organization P.O. No., Job No., etc.

3. Work Performed by GPUN (Name)
100 INTERPACE PARKWAY
PARSIPPANY, NEW JERSEY (Address)

Type Code Symbol Stamp NA
Authorization No. NA
Expiration Date NA

4. Identification of System DECAY HEAT CLOSED

5. (a) Applicable Construction Code USAS B31.7 1968 Edition, NA Addenda, NA Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
RELIEF VALVE	CROSBY	VAO 187515-02	NA	DC-V-15A	1999	REPLACED	YES
RELIEF VALVE	CROSBY	VAO 187516-04	NA	DC-V-17A	1999	REPLACED	YES
RELIEF VALVE	CROSBY	VAO 187516-06	NA	DC-V-18A	1999	REPLACED	YES

7. Description of Work REPLACED EXISTING RELIEF VALVES WITH ABOVE LISTED NEW VALVES

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure _____ psi Test Temp. _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI.
repair or replacement

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed ISI PROGRAM MANAGER Date NOVEMBER 11, 19 99
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by HARTFORD STEAM BOILER I & I CO. of HARTFORD, CT. have inspected the components described in this Owner's Report during the period 11-1-97 to 11-1-99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Joseph A. Mulvey
Inspector's Signature

Commissions NB 5478 (N) (I)
National Board, State, Province, and Endorsements

Date NOV. 11 19 99

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner METROPOLITAN EDISON COMPANY (Name)
2800 POTTSVILLE PIKE
READING, PENNSYLVANIA (Address)

Date NOVEMBER 11, 1999

Sheet 1 of 1

2. Plant THREE MILE ISLAND NUCLEAR STATION (Name)
RT 441 SOUTH MIDDLETOWN, PA. (Address)

Unit TMI-1

JOB ORDER 161406
Repair Organization P.O. No., Job No., etc.

3. Work Performed by GPUN (Name)
100 INTERPACE PARKWAY
PARSIPPANY, NEW JERSEY (Address)

Type Code Symbol Stamp NA
Authorization No. NA
Expiration Date NA

4. Identification of System DECAY HEAT CLOSED

5. (a) Applicable Construction Code USAS B31.7 19 68 Edition, NA Addenda, NA Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
RELIEF VALVE	CROSBY	VAO 187515-03	NA	DC-V-15B	1999	REPLACED	YES
RELIEF VALVE	CROSBY	VAO 187515-01	NA	DC-V-16B	1999	REPLACED	YES
RELIEF VALVE	CROSBY	VAO 187516-03	NA	DC-V-17B	1999	REPLACED	YES
RELIEF VALVE	CROSBY	VAO 187516-05	NA	DC-V-18B	1999	REPLACED	YES

7. Description of Work REPLACED EXISTING RELIEF VALVES WITH ABOVE LISTED CROSBY VALVES

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure _____ psi Test Temp. _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed [signature] ISI PROGRAM MANAGER (Owner or Owner's Designee, Title) Date NOVEMBER 11, 1999

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by HARTFORD STEAM BOILER I & I CO. of HARTFORD, CT. have inspected the components described in this Owner's Report during the period 11-1-97 to 11-1-99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[signature] (Inspector's Signature) Commissions NB 5478 (I) (N) (National Board, State, Province, and Endorsements)

Date NOV. 11 1999

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Metropolitan Edison Company (Name)
2800 Pottsville Pike
Reading, Pennsylvania (Address)
Three Mile Island

Date 10-7-99

Sheet 1 of 1

2. Plant Nuclear Generating Station (Name)
Route 441 S Middletown, Pa 17057 (Address)

Unit TMI 1

Job Order 00171984
Repair Organization P.O. No., Job No., etc.

3. Work Performed by GPU Nuclear (Name)
100 Interpace Pkwy.
Parsippany, New Jersey (Address)

Type Code Symbol Stamp n/a
Authorization No. n/a
Expiration Date n/a

4. Identification of System Chemical Addition

5. (a) Applicable Construction Code NON-CODE 19 - Edition, n/a Addenda, n/a Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
CA-V-5B	n/a	n/a	n/a	n/a	n/a	REPAIR	NO

7. Description of Work TACK WELD which SERVES AS A LOCKING DEVICE TO PREVENT SEAT RING FROM BACKING OUT AND DAMAGING THE SEAT AND STEM.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☐ Pressure n/a psi Test Temp. n/a °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

FORM NIS-2 (Back)

9. Remarks n/a

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPAIR conforms to the rules of the
repair or replacement
ASME Code, Section XI.

Type Code Symbol Stamp n/a

Certificate of Authorization No. n/a Expiration Date n/a

Signed ISI Program Manager Date Nov 9, 19 99
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Hartford Steam Boiler I & I Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 11-1-97 to 11-1-99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Joseph L Hurley
Inspector's Signature

Commissions NB 5478 (I)(N)
National Board, State, Province, and Endorsements

Date Nov. 11 19 99

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Metropolitan Edison Company (Name) — Date 5-7-99
2800 Pottsville Pike
Reading, Pennsylvania (Address) — Sheet 1 of 1
2. Plant Three Mile Island Nuclear Generating Station (Name) — Unit TMI Unit 1
Route 441 South, Middletown, Pa (Address) — Job Order 00161407 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by GPU Nuclear (Name) — Type Code Symbol Stamp n/a
100 Interpace Pkwy. Parsippany, New Jersey (Address) — Authorization No. n/a
Expiration Date n/a
4. Identification of System Decay Heat
5. (a) Applicable Construction Code USAS B31.7 1968 Edition, Draft Addenda, June 68 ERRATA Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
DH-V-0018 A	n/a	n/a	n/a	n/a	n/a	REPAIR / REPLACED	NO

7. Description of Work REPLACE DH-V-18A & REROUTE of PIPING to MOVE VALVE TO A MORE READILY ACCESSIBLE AREA
8. Tests Conducted: Hydrostatic ☑ Pneumatic ☐ Nominal Operating Pressure ☑
Other ☐ Pressure 638 psi Test Temp. n/a °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

(12/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

FIELD COPY

WA-ADL # 23-0001
Page / Sheet 1 of 1
WA # 00161407

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPAIR conforms to the rules of the ASME Code, Section XI.
repair or replacement

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed ISI Program Manager Date NOV 9, 19 99
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Hartford Steam Boiler I & I Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 11-1-97 to 11-1-99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Joseph S Kelly Commissions NB 5478 (I) (N) PA 1887
Inspector's Signature National Board, State, Province, and Endorsements

Date NOV. 11 19 99

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Metropolitan Edison Company (Name) — Date 08-17-99
2800 Pottsville Pike
Reading, Pennsylvania (Address) — Sheet 1 of 1
2. Plant Three Mile Island Nuclear Generating Station (Name) — Unit TMI 1
Route 441 South, Middletown, Pennsylvania (Address) — Job Order 00164149 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by GPU Nuclear (Name) — Type Code Symbol Stamp n/a
100 Interpace Pkwy. — Authorization No. n/a
Parsippany, New Jersey (Address) — Expiration Date n/a
4. Identification of System Decay Heat System Cross-Connect Vents
5. (a) Applicable Construction Code B31.7 1968 Edition, DRAFT Addenda, June 68 ERRata Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986 @ CODE CASE N416-1
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
VENT VALVES DHV-168/169	n/a	n/a	n/a	n/a	n/a	REPAIRED REPLACED	N

7. Description of Work Installation of VENTING PROVISIONS on the DH System Cross-Connects
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☒ (N416-1)
Other ☐ Pressure 650 psi Test Temp. n/a °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

(12/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

WA-ADL # 23-1
Page / Sheet 1 of 2
WA # 00164149

FIELD COPY

FIELD COPY

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPAIR/REPLACED conforms to the rules of the ASME Code, Section XI.
repair or replacement

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed ISI PROGRAM MANAGER Date NOVEMBER 12, 19 99
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Hartford Steam Boiler I & I Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 11-1-97 to 11-1-99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Joseph [illegible] Commissions NB 5478 (I) (N)
Inspector's Signature National Board, State, Province, and Endorsements

Date Nov 12 1999

(12/82)

FIELD COPY

WA-ADL # 23-1
Page / Sheet 2 of 2
WA # 00164149

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Metropolitan Edison Company (Name) — Date 11-22-99
   2800 Pottsville Pike, Reading, Pennsylvania (Address) — Sheet 1 of 1
2. Plant Three Mile Island Generating Station (Name) — Unit TMI-1
   Route 441 South, Middletown Pa 17057 (Address) — Job Order # 00144966 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by GPU Nuclear (Name) — Type Code Symbol Stamp n/a
   100 Interpace Parkway, Parsippany, New Jersey (Address) — Authorization No. n/a
   Expiration Date n/a
4. Identification of System Reactor River Water
5. (a) Applicable Construction Code USAS B31.1 19 67 Edition, n/a Addenda, n/a Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86/92
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
4" Sch 40 PIPE / Fittings	n/a	n/a	n/a	n/a	n/a	REPAIR / REPLACE	NO

7. Description of Work REPLACE PIPING SPOOLS Associated with RR-V-10A/B
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑ via CODE CASE N416-1
   Other ☐ Pressure n/a psi Test Temp. n/a °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the repair or replacement ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed ISI Project Manager Date NOVEMBER 23, 1999

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Hartford Steam Boiler I & I Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 11-1-97 to 11-1-99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Joseph L Shubby Commissions NB5478 (N)(I) PA 1887

Inspector's Signature National Board, State, Province, and Endorsements

Date November 23 1999

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner METROPOLITAN EDISON COMPANY (Name)
2800 POTTSVILLE PIKE
READING, PENNSYLVANIA (Address)

Date 09-20-99

Sheet 1 of 1

2. Plant Three Mile Island Generating Station (Name)
ROUTE 441 South, Middletown Pa 17057 (Address)

Unit TMI-1

Job Order 00162757
Repair Organization P.O. No., Job No., etc.

3. Work Performed by GPU Nuclear (Name)
100 Interpace Parkway
Parsippany, New Jersey (Address)

Type Code Symbol Stamp n/a
Authorization No. n/a
Expiration Date n/a

4. Identification of System Nuclear Services River Water

5. (a) Applicable Construction Code USAS B31.1 19 67 Edition, n/a Addenda, n/a Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE NIPPLE	n/a	n/a	n/a	n/a	n/a	REPAIRED / REPLACED	NO

7. Description of Work REPLACE PIPE NIPPLE BETWEEN NR-V-27A & JC-C-1A

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑
Other ☐ Pressure n/a psi Test Temp. n/a °F

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FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPAIR / REPLACEMENT (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed ISI PROJECT MANAGER (Owner or Owner's Designee, Title) Date DECEMBER 1, 19 99

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by HARTFORD STEAM BOILER I & I CO. of HARTFORD, CT. have inspected the components described in this Owner's Report during the period 11-1-97 to 11-1-99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Joseph Shelby (Inspector's Signature) Commissions NB 5478 (N)(I) PA 1887 (National Board, State, Province, and Endorsements)

Date DEC. 7 19 99

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner METROPOLITAN EDISON COMPANY (Name)
2800 POTTSVILLE PIKE
READING, PENNSYLVANIA (Address)

Date 10-13-99

Sheet 1 of 1

2. Plant Three Mile Island Generating Station (Name)
ROUTE 441 South, Middletown Pa 17057 (Address)

Unit TMI Unit I

Job Order 00172374
Repair Organization P.O. No., Job No., etc.

3. Work Performed by GPU Nuclear (Name)
100 Interpace PARKWAY
PARSIPPANY, New Jersey (Address)

Type Code Symbol Stamp n/a
Authorization No. n/a
Expiration Date n/a

4. Identification of System Reactor River Water

5. (a) Applicable Construction Code USAS B31.1 19 67 Edition, n/a Addenda, n/a Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
½" PIPE NIPPLE at RR-V 1038	n/a	n/a	n/a	n/a	n/a	REPAIR / REPLACE	NO

7. Description of Work REPLACED ½" PIPE NIPPLE at RR-V-1038 which was bent

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑
Other ☐ Pressure n/a psi Test Temp. n/a °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPAIR/REPLACEMENT (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed ISI PROGRAM MNG (Owner or Owner's Designee, Title) Date Dec. 8, 19 99

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by HARTFORD STEAM BOILER I & I CO. of HARTFORD, CT. have inspected the components described in this Owner's Report during the period 11-1-97 to 11-1-99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Joseph Schelby (Inspector's Signature) Commissions NB 5478 (N) (I) PA 1887 (National Board, State, Province, and Endorsements)

Date DEC. 8 19 99

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner METROPOLITAN EDISON COMPANY (Name)
2800 POTTSVILLE PIKE
READING, PENNSYLVANIA (Address)

Date NOVEMBER 19, 1999

Sheet 1 of 3

2. Plant THREE MILE ISLAND NUCLEAR STATION (Name)
RT 441 SOUTH MIDDLETOWN, PA. (Address)

Unit TMI-1

SEE SHEET 2 OF 3 AND 3 OF 3
Repair Organization P.O. No., Job No., etc.

3. Work Performed by GPUN (Name)
100 INTERPACE PARKWAY
PARSIPPANY, NEW JERSEY (Address)

Type Code Symbol Stamp NA
Authorization No. NA
Expiration Date NA

4. Identification of System BS, CF, DH, FW, MS, RC

5. (a) Applicable Construction Code ANSI B31.1 67 / USAS B31.7 19 69 Edition, NA Addenda, NA Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
			NA				

7. Description of Work SPARE SNUBBERS INSTALLED

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☐ Pressure NA psi Test Temp. NA °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed ISI PROGRAM MANAGER Date NOVEMBER 19, 1999
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by HARTFORD STEAM BOILER I & I CO. of HARTFORD, CT. have inspected the components described in this Owner's Report during the period 11-1-97 to 11-1-99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Joseph L Shelley
Inspector's Signature

Commissions NB 5478 (N)(I) PA 1887
National Board, State, Province, and Endorsements

Date November 22 19 99

(12/82)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner METROPOLITAN EDISON COMPANY (Name)
2800 POTTSVILLE PIKE
READING, PENNSYLVANIA (Address)

Date NOVEMBER 19, 1999

Sheet 2 of 3

2. Plant THREE MILE ISLAND NUCLEAR STATION (Name)
RT 441 SOUTH MIDDLETOWN, PA. (Address)

Unit TMI-1

SEE SHEET 2 OF 3 AND 3 OF 3
Repair Organization P.O. No., Job No., etc.

3. Work Performed by GPUN (Name)
100 INTERPACE PARKWAY
PARSIPPANY, NEW JERSEY (Address)

Type Code Symbol Stamp NA
Authorization No. NA
Expiration Date NA

4. Identification of System SEE BELOW

5. (a) Applicable Construction Code ANSI B31.1 67 USAS B31.7 19 69 Edition, NA Addenda, NA Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

SNUBBER IDENTIFICATION	JOB ORDER	CODE CLASS
BS0006	160318	2
BS0025	160319	2
BS0027A	160320	2
CF0008	160321	1
DH0012	160322	2
DHH0188	168566	2
FW0114	160323	2
FW0115	160324	2
MS0200	160325	2
MS0202	172875	2
MS0204	160326	2
MS0207	172876	2
MS0216	160327	2
MS0217	169733	2
MS0218	169734	2
MS0221	160328	2
MS0222	160329	2
MS0228B	169735	2

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6. Identification of Components Repaired or Replaced and Replacement Components

SNUBBER IDENTIFICATION	JOB ORDER	CODE CLASS
MS0231	160330	2
MS0235	161815	2
MS0236	172551	2
MS0287	160332	2
MS0290	169737	2
RC0004	160336	1
RC0005	160337	1
RC0009	160338	1
RC0010	160339	1
RC0011	160340	1
RC0012	160341	1
RC0013	160342	1
RC0015	160343	1
RC0018	160344	1
RC2412	160347	1