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June 1, 2000

U. S. Nuclear Regulatory Commission
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DOCKET NUMBER 50-483
CALLAWAY PLANT UNIT 1
UNION ELECTRIC CO.
FACILITY OPERATING LICENSE NPF-30
SPECIAL REPORT 2000-01
RESULTS OF THE ELEVENTH STEAM GENERATOR
TUBE IN-SERVICE INSPECTION

The enclosed Special Report is submitted pursuant to the requirements of Callaway Improved Technical Specification AC 5.6.10.b concerning the Inservice Inspection of Callaway's Steam Generators performed in October, 1999 during Callaway Plant's tenth refueling outage. This report documents the final Steam Generator inspection results.

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Manager, Callaway Plant

RDA/gag

Enclosure

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SPECIAL REPORT 2000-01
RESULTS OF ELEVENTH STEAM GENERATOR
TUBE IN-SERVICE INSPECTION

INSPECTION REQUIREMENTS:

Improved T/S AC 5.6.10.b. requires that "complete results of the steam generator tube inservice inspection shall be submitted to the Commission in a report within 12 months following completion of the inspection. This report shall include:

1. Number and extent of tubes and sleeves inspected
2. Location and percent of wall-thickness penetration for each indication of an inperfection.
3. Identification of tubes plugged or repaired."

In addition, NEI 97-06, Steam Generator Program Guidelines, Appendix D requires that the following information be provided in the 12-month report:

1. Scope of inspections performed.
2. Active degradation mechanisms found.
3. NDE techniques utilized for each degradation mechanism.
4. Number of tubes plugged or repaired during the inspection outage for each active degradation mechanism. Repair methods utilized and the number of tubes repaired by each repair method.
5. Total number and percentage of tubes plugged and/or repaired to date and the effective plugging percentage in each steam generator.
6. Description of the tube integrity assessment.
7. Description of corrective actions implemented, if any.
8. Evaluation of circumstances if condition monitoring results exceeded the previous cycle operational assessment.

INSPECTION REPORT:

Callaway Plant shut down from October 1 to November 5, 1999 for its tenth refueling outage. During that time, an in-service inspection was performed on all four steam generators. The planned inspection scope was as follows:

- 100% full length (bobbin coil) examination of two steam generators
- 100% hot leg top-of-tubesheet RPC (+Point) examination of all four steam generators
- 100% Row 1 and 2 U-bend RPC (+Point) examination of one steam generator
- Examine, with RPC (+Point), 37 tubes with previously installed Laser Welded Sleeves (LWS)
- Examine, with RPC (+Point) 20% of all dents/dings greater than 2 volts
- Special interest RPC (+Point) of bobbin coil indications as required

Table 1 lists the examinations performed.

Eddy Current Testing Task Summary (Tubes Inspected)

ECT Task	S/G A		S/G B		S/G C		S/G D		Total
	H/L	C/L	H/L	C/L	H/L	C/L	H/L	C/L	
100% Bobbin F/L		5499						5544	11043
MRPC TTS 100%	5499		5585		5493		5544		22121
MRPC U-bend Rows 1 and 2								242	242
MRPC Dents/Dings	238						291		529
MRPC S.I.	11						24		35
MRPC LWS Sleeves	24				13				37
Low Row Bobbin		363						122	485

Table 1

Appropriate examination techniques, qualified to EPRI PWR Examination Guidelines, Appendix H were used for each inspection. Each technique was evaluated for applicability to Callaway's tubing and degradation mechanisms prior to actual use in the field. Table 2 (from the pre-outage Degradation Assessment) lists those examination techniques approved for use in Refuel 10.

Qualified ECT Techniques for Callaway Refuel 10

Damage Mechanism	EPRI ETSS	Coil Type	Technique for Detection or Sizing?	Appendix H Qualified for Sizing?
Hot Leg Expansion Transition PWSCC (axial and circ)	96508	+Point	Detection	--
Axial flaws only	96703	+Point	Sizing	No
Circumferential flaws only	96702	+Point	Sizing	No
Hot Leg Top of Tubesheet OD IGA/SCC (axial and circ)	96402	+Point	Detection	--
Axial and Vol at non-dented sludge piles only	96008	Bobbin	Both	No
AVB Wear	96004	Bobbin	Both	Yes
Tube Support Plate IGA/SCC	96007	Bobbin	Detection	--
OD flaws (with or witihout dents)	96402	+Point	Detection	--
ID flaws (with or without dents)	96508	+Point	Detection	--
Axial ID flaws at dents	96703	+Point	Sizing	No
Freespan IGA/SCC	96008	Bobbin	Both	No
OD flaws at dings	96402	+Point	Detection	--
U-bend PWSCC	96511	+Point	Detection	--
Pitting	96005	Bobbin	Detection	--
Thinning	96001	Bobbin	Both	No
Wear scars only	96004	Bobbin	Both	Yes

Table 2

The bobbin coil inspection was performed from the cold leg (except the hot leg straight sections of the low row tubes) using dual probe pushers. Only one tube required plugging due to AVB wear, the lowest number since Refuel 1.

All Rows 1 and 2 tubes in Steam Generator D were inspected using a Plus Point U-bend probe. No degraded tubes were identified during this inspection.

Thirty-seven (37) of the laser welded sleeves installed in Refuel 8 were examined using a PlusPoint RPC probe. This completed a 100% in-service inspection of the 77 sleeves installed that outage. No indications of defects were found.

The hot leg top-of-tubesheet examination was performed using dual guide tubes and 0.560 +Point RPC probes. Ninety-one (91) indications, believed to be stress corrosion cracking, were found.

Table 3 summarizes the repairable indications found in Refuel 10. Table 4 provides specific information for the TTS defects identified during the inspection.

Callaway Plant Refuel 10 (October 1999)
Characterization Of Repairable Indications

Indication	Steam Generator A	Steam Generator B	Steam Generator C	Steam Generator D
ID Crack	36	4	12	2
OD Crack	6	12	21	4
Circ Crack	23	4	12	1
Axial Crack	16	7	5	3
Volumetric Indication	3	5	16	2
Total tubes with TTS indications	41	15	30	5
Tubes plugged AVB wear	0	0	0	1
Tubes plugged TSP Wear	1			
Tubes plugged Loose Parts				4
Total tubes repaired – RF10	42	15	30	10

Table 3

SCC / IGA

Ninety-one tubes were identified with stress corrosion cracking (SCC) / intergranular attack (IGA). All were located in the hot leg, top-of-tubesheet (TTS) area. Both ID and OD cracking was found, with both axial and circumferential cracking identified.

20% of all "dents" or "dings" found by the bobbin coil, with amplitude greater than 2 volts, were further examined using a +Point coil to determine whether any SCC/IGA may have initiated due to the tube deformation. No indications were found.

All Row 1 and 2 U-bends were examined with the +Point coil in one steam generator. Again, no indication of SCC/IGA was found.

A complete list of all top of tubesheet indications follows, in Table 4.

Top-of-Tubesheet Indications Repaired in Refuel 10

S/G	*Row*	*Col*	*Ind.*	*Location*	*Circ Extent or Axial Length*	*Initiation Side (ID, OD, or UN)*	*Repair Method (Plug, stake, or sleeve)*
A	**17**	**32**	SCI	TSH - 1.11	33 degrees	ID	Sleeve
A	**44**	**33**	SCI	TSH + 0.00	24 degrees	OD	Sleeve
A	**44**	**34**	SVI	TSH + 0.16	0.34 inches	OD	Sleeve
A	**18**	**45**	SCI	TSH - 0.15	29 degrees	ID	Sleeve
A	**22**	**46**	SAI	TSH + 0.13	0.16 inches	ID	Sleeve
A	**26**	**51**	SCI	TSH + 0.15	38 degrees	ID	Sleeve
A	**24**	**52**	SCI	TSH + 0.12	29 degrees	ID	Sleeve
A	**39**	**52**	SCI	TSH - 0.08	33 degrees	ID	Sleeve
A	**17**	**54**	SCI	TSH + 0.00	36 degrees	ID	Sleeve
A	**41**	**56**	SCI	TSH + 0.00	24 degrees	ID	Sleeve
A	**47**	**61**	SAI	TSH + 0.81	0.25 inches	ID	Sleeve
A	**11**	**62**	SCI	TSH + 0.11	37 degrees	ID	Stake
A	**15**	**62**	SAI	TSH + 0.13	0.17 inches	ID	Plug
A	**14**	**63**	SAI	TSH + 0.00	0.09 inches	ID	Plug
A	**13**	**64**	SCI	TSH + 0.00	29 degrees	ID	Stake
A	**33**	**64**	SCI	TSH - 0.34	25 degrees	ID	Sleeve
A	**42**	**65**	SAI	TSH + 0.03	0.08 inches	ID	Sleeve
A	**14**	**67**	SCI	TSH - 0.03	29 degrees	OD	Stake
A	**17**	**67**	SCI	TSH + 0.10	37 degrees	ID	Stake
A	**14**	**71**	SCI	TSH + 0.00	54 degrees	OD	Stake
A	**33**	**71**	MCI	TSH + 0.00	33 degrees	ID	Sleeve
A	**34**	**72**	SVI	TSH + 0.30	0.29 inches	OD	Plug
A	**17**	**74**	SVI	TSH + 0.10	0.44 inches	OD	Plug
A	**49**	**75**	SCI	TSH + 0.14	33 degrees	ID	Sleeve
A	**35**	**80**	SAI	TSH + 0.11	0.15 inches	ID	Sleeve
A	**17**	**81**	SCI	TSH + 0.07	33 degrees	ID	Sleeve
A	**19**	**81**	SAI	TSH + 0.06	0.17 inches	ID	Sleeve
A	**30**	**81**	SCI	TSH + 0.02	38 degrees	ID	Sleeve

Table 4

Top-of-Tubesheet Indications Repaired in Refuel 10

S/G	*Row*	*Col*	*Ind.*	*Location*	*Circ Extent or Axial Length*	*Initiation Side (ID, OD, or UN)*	*Repair Method (Plug, stake, or sleeve)*
A	**39**	**81**	SAI	TSH + 0.06	0.14 inches	ID	Sleeve
A	**42**	**83**	MCI	TSH + 0.12	86 degrees	ID	Sleeve
A	**38**	**85**	SAI	TSH + 0.01	0.17 inches	ID	Sleeve
A	**39**	**85**	SCI	TSH + 0.10	28 degrees	ID	Sleeve
A	**25**	**86**	SAI	TSH + 0.08	0.17 inches	ID	Sleeve
A	**39**	**87**	SAI	TSH + 0.02	0.23 inches	ID	Sleeve
A	**17**	**88**	MAI	TSH - 0.01	0.20 inches	ID	Sleeve
A	**20**	**88**	SCI	TSH + 0.06	33 degrees	ID	Sleeve
A	**15**	**93**	SAI	TSH + 0.07	0.17 inches	ID	Sleeve
A	**31**	**94**	SAI	TSH + 0.04	0.21 inches	ID	Sleeve
A	**11**	**95**	SAI	TSH + 0.14	0.17 inches	ID	Sleeve
A	**31**	**97**	SCI	TSH - 4.33	108 degrees	ID	Stake
			SCI	TSH - 4.62			
A	**12**	**107**	SCI	TSH + 0.07	37 degrees	ID	Sleeve
B	**16**	**12**	SVI	TSH + 0.05	0.30 inches	OD	Plug
B	**13**	**49**	SAI	TSH + 0.09	0.14 inches	OD	Plug
B	**12**	**55**	SCI	TSH - 0.03	30 degrees	OD	Stake
B	**15**	**62**	SVI	TSH + 1.02	0.34 inches	OD	Plug
B	**13**	**64**	SVI	TSH + 2.01	0.28 inches	OD	Plug
B	**14**	**64**	SVI	TSH + 1.25	0.25 inches	OD	Plug
			SVI	TSH + 2.26	0.34 inches		
B	**11**	**65**	SAI	TSH + 0.16	0.19 inches	OD	Plug
B	**12**	**65**	SAI	TSH + 0.10	0.15 inches	OD	Plug
B	**12**	**66**	SAI	TSH + 0.17	0.22 inches	OD	Plug
B	**12**	**67**	SAI	TSH + 0.21	0.34 inches	OD	Plug
B	**11**	**68**	SAI	TSH + 0.35	0.19 inches	OD	Plug
B	**27**	**95**	SAI	TSH + 0.03	0.16 inches	OD	Plug
B	**15**	**102**	SCI	TSH + 0.12	42 degrees	ID	Stake

Table 4 (cont.)

Top-of-Tubesheet Indications Repaired in Refuel 10

S/G	*Row*	*Col*	*Ind.*	*Location*	*Circ Extent or Axial Length*	*Initiation Side (ID, OD, or UN)*	*Repair Method (Plug, stake, or sleeve)*
B	**17**	**108**	MCI	TSH + 0.08	79 degrees	ID	Stake
B	**27**	**113**	SCI	TSH - 0.04	28 degrees	ID	Stake
C	**1**	**5**	SVI	TSH + 0.12	0.81 inches	OD	Sleeve
C	**23**	**9**	SAI	TSH + 0.45	0.24 inches	OD	Plug*
C	**11**	**30**	SVI	TSH + 0.28	0.54 inches	OD	Sleeve
C	**15**	**31**	SAI	TSH + 0.08	0.24 inches	ID	Plug*
C	**27**	**31**	SVI	TSH + 0.16	0.24 inches	OD	Sleeve
C	**48**	**37**	SVI	TSH + 0.01	0.27 inches	OD	Sleeve
C	**31**	**41**	SCI	TSH + 0.10	32 degrees	ID	Sleeve
C	**34**	**45**	MCI SCI	TSH - 4.55 TSH - 5.74	102 degrees 36 degrees	ID	Stake
C	**14**	**52**	SAI	TSH + 0.14	0.18 inches	OD	Sleeve
C	**41**	**54**	SCI	TSH + 0.04	23 degrees	ID	Sleeve
C	**14**	**62**	SAI	TSH + 0.66	0.21 inches	OD	Sleeve
C	**30**	**62**	SCI	TSH + 0.08	25 degrees	ID	Sleeve
C	**31**	**62**	MCI	TSH + 0.09	58 degrees	ID	Sleeve
C	**51**	**62**	SVI	TSH + 0.06	0.40 inches	OD	Sleeve
C	**11**	**63**	SVI	TSH + 0.84	0.24 inches	OD	Sleeve
C	**9**	**64**	SVI	TSH + 0.24	0.27 inches	OD	Sleeve
C	**12**	**65**	SVI	TSH + 1.66	0.21 inches	OD	Sleeve
C	**13**	**65**	SVI	TSH + 1.46	0.39 inches	OD	Sleeve
C	**16**	**66**	SVI	TSH + 0.49	0.54 inches	OD	Sleeve
C	**11**	**69**	SVI	TSH + 0.10	0.24 inches	OD	Sleeve
C	**48**	**75**	SVI	TSH + 0.07	0.29 inches	OD	Sleeve
C	**48**	**76**	SVI	TSH + 0.13	0.31 inches	OD	Sleeve
C	**57**	**76**	SCI	TSH + 0.03	29 degrees	ID	Sleeve
C	**22**	**81**	SCI	TSH + 0.04	29 degrees	ID	Sleeve
C	**21**	**87**	SCI	TSH + 0.28	80 degrees	OD	Sleeve

*- Tube initially electro-sleeved, but later plugged due to UT results.

Table 4 (cont.)

Top-of-Tubesheet Indications Repaired in Refuel 10

S/G	*Row*	*Col*	*Ind.*	*Location*	*Circ Extent or Axial Length*	*Initiation Side (ID, OD, or UN)*	*Repair Method (Plug, stake, or sleeve)*
C	**25**	**88**	SCI	TSH + 0.05	21 degrees	ID	Plug*
C	**10**	**93**	SVI	TSH + 0.23	0.60 inches	OD	Sleeve
C	**37**	**98**	SVI	TSH + 0.20	0.29 inches	OD	Sleeve
C	**18**	**103**	SCI	TSH + 0.05	25 degrees	ID	Sleeve
C	**30**	**104**	SAI	TSH - 0.02	0.27 inches	ID	Sleeve
D	**14**	**61**	MAI	TSH + 0.17	0.32 inches	OD	Plug
D	**36**	**62**	MCI	TSH - 0.45	54 degrees	ID	Stake
D	**39**	**65**	SAI	TSH + 0.00	0.17 inches	ID	Plug
D	**11**	**69**	SVI	TSH + 0.43	0.34 inches	OD	Plug
D	**38**	**103**	SVI	TSH + 0.45	0.25 inches	OD	Plug

*- Tube initially electro-sleeved, but later plugged due to UT results.

Table 4 (cont.)

Other Defects

Six tubes were repaired for reasons other than TTS cracking. One tube (D-R52C44) was plugged due to AVB wear greater than 40% through-wall, one (A-R58C64) was plugged due to slight wear at the first support plate, and four (D-R53C70, 71, 72, and 73) were plugged due to foreign object damage on the cold leg. The object was located and removed from the steam generator.

Repairs

As described above, a total of 97 steam generator tubes were found to require repair. In Steam Generators A and C, 60 tubes were repaired using the Electrosleeve™ process. Of these, three in Steam Generator C were plugged due to imperfections (as measured by UT) in the installed sleeve.

Forty tubes (including the three with sleeves installed) were plugged. Any tube with a circumferential indication at the top of tubesheet, which was not sleeved, was plugged and staked (using a stainless steel wire rope stabilizer) on the hot leg.

Table 5 provides the breakdown of repairs performed in Refuel 10.

Refuel 10 Steam Generator Repairs

Steam Generator		Sleeved Tubes	Rolled Plugs	Stabilizers
A	H/L C/L	31	11 11	6 0
B	H/L C/L		15 15	4 0
C	H/L C/L	26	4 4	1 0
D	H/L C/L		10 10	1 0
Total		57	80 *	12

* - Two plugs per tube (40 plugged tubes)

Table 5

Subsequent to Refuel 10, Callaway steam generators now have 349 tubes effectively plugged. This includes 346 plugged tubes plus 134 installed sleeves (which represent 3 effective plugged tubes). Table 6 provides a breakdown of the total plugs and effective plugging for each steam generator.

Effective Plugged Tubes (Start of Cycle 11)

Steam Generator	Plugged Tubes	Westinghouse LWS Sleeves (33/1) *	Framatome Electrosleeve (84/1) *	Effective Plugged Tubes
A	94	44	31	95.7
B	56			56
C	104	33	26	105.3
D	92			92
Total	**346**	**77**	**57**	**349.0**

* - Effective sleeve to plug ratio

Table 6

ATTACHMENT 1

Condition Monitoring and Preliminary Operational Assessment

Callaway Refuel 10 Outage

DOMINION ENGINEERING, INC.

Condition Monitoring and Preliminary Operational Assessment

Callaway Refuel 10 Outage

R-4130-00-3

Revision 0

October 1999

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Record of Revisions

Rev.	Description	Prepared by Date	Checked by Date	Reviewed by Date
0	Original Issue	11/12/99	11/15/99	11/15/99

The last revision number to reflect any changes for each section of the report is shown in the Table of Contents. The last revision numbers to reflect any changes for tables and figures are shown in the List of Tables and the List of Figures. Changes made in the latest revision, except for Rev. 0 and revisions which change the report in its entirety, are indicated by a double line in the right hand margin as shown here.

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1. Summary and Conclusions

The Callaway steam generator tubes satisfy the structural integrity and leakage requirements of NEI 97-06 for the October 1999 refueling outage (Refuel 10) "as found" condition (i.e., they are satisfactory from a condition monitoring standpoint). Based on a preliminary operational assessment, they are also considered to be acceptable for the initial portion (90 days) of cycle 11. A complete operational assessment justifying plant operation for the full planned cycle 11 will be completed within 90 days of plant restart after Refuel 10.

2. Objective

The objective of this document is to summarize an evaluation of the results of the eddy current testing (ECT) of the steam generators (SGs) performed during the October 1999 refueling outage (Refuel 10) at the Callaway plant. This report assesses the condition of the Callaway SGs as of Refuel 10 (Condition Monitoring), and justifies the restart of the plant after Refuel 10 and operation for 90 days (Preliminary Operational Assessment). Included are discussions of the structural integrity and accident leakage characteristics of the SGs as found during Refuel 10, and these results are shown to meet the requirements of the EPRI Steam Generator Integrity Assessment Guidelines,[1] and thus NEI 97-06.

3. Background

NEI initiative 97-06 requires that all U.S. utilities adopt the following performance criteria to provide reasonable assurance that the steam generator tubing remains capable of fulfilling its specific safety function of maintaining reactor coolant pressure boundary integrity:

1. Ensure steam generator tubes will maintain adequate margin against burst under normal and postulated accident conditions for the operating cycle.

2. Ensure that the potential primary-to-secondary leak rate during limiting postulated events will (1) not exceed the total normal makeup capacity of the primary coolant system, and (2) not exceed the offsite radiological dose consequences, per 10 CFR Part 100 guidelines, and the radiological consequences to control room personnel per GDC-19.

3. Ensure that the operational primary-to-secondary leakage limit for any one steam generator does not exceed 150 GPD (gallons per day).

These requirements were summarized by NEI at a recent industry meeting, including some clarifications, as follows:[2]

1. "Steam generator tubing shall be demonstrated to retain a margin of 3.0 against burst under normal full power operation and a margin of 1.4 against burst under postulated accidents concurrent with a safe shutdown earthquake."

2. "The primary to secondary accident induced leakage rate for the most limiting design basis accident shall not exceed the leakage rate assumed in the accident analysis in terms of total leakage rate for all steam generators and leakage rate for an individual steam generator." Accident induced leakage is now tied to the plant licensing basis, and cannot exceed 1 gpm without an additional risk analysis.

3. "The operational primary to secondary leakage for any one steam generator shall not exceed 150 gallons per day."

How these criteria were to be implemented during Refuel 10 is discussed in the Degradation Assessment prepared prior to the start of the Refuel 10 inspections.[3]

This report is based on the condition monitoring and operational assessment performed by Tetra Engineering after the Refuel 9 outage,[4] with adjustments and changes as needed. The primary

difference between this report and Reference 4 is that this report is written to the requirements of NEI 97-06, Revision 0, while Reference 4 was written to the requirements of the NRC Draft Regulatory Guide DG-1074.

4. Summary of Refuel 10 Inspection Results

Nondestructive eddy current inspection of the Callaway steam generator tubes was performed during Refuel 10 in October 1999. The tests performed in each steam generator are listed below in Table 4-1.[5]

Table 4-1. Callaway Refuel 10 Steam Generator Eddy Current Tests

Examination	SG A	SG B	SG C	SG D
Bobbin Coil	6313	–	–	6030
Hot Leg TTS Plus Point	5499	5585	5493	5544
HL Sleeve Plus Point	24	–	13	–
U-Bend Plus Point	–	–	–	242
Special Interest MRPC	249	–	–	315

This inspection scope is identical to the planned Refuel 10 inspection scope discussed in the Refuel 10 Degradation Assessment,[3] and satisfies the minimum inspection requirements of Revision 5 of the EPRI PWR Steam Generator Examination Guidelines.

As a result of this inspection, a number of flaws were identified in the tubes of all four SGs. The flaws were classified as axially- or circumferentially-oriented stress corrosion cracks, volumetric flaws, or wear at antivibration bars (AVBs), tube support plates (TSPs), or due to the presence of loose parts. Tubes with cracks, volumetric flaws, loose parts or TSP wear indications of any size, and tubes with AVB wear indications greater than 40% through wall (tw) were removed from service per the Callaway technical specifications. Defective tubes in SGs B and D were repaired by plugging the affected tube, and defective tubes in SGs A and C were repaired by either plugging the tube or electrosleeving the flawed tube area (i.e., the hot leg top of tubesheet region). Table 4-2 provides a summary of the number of repairable eddy current indications and the number of tubes repaired as a result of each defect type for each steam generator. Note that some tubes had multiple indications of the same type, resulting in fewer tubes being repaired than the number of indications.

Table 4-2. Callaway Refuel 10 Eddy Current Inspection Results

Degradation Mode	SG A Inds.	SG A Tubes Repaired	SG B Inds.	SG B Tubes Repaired	SG C Inds.	SG C Tubes Repaired	SG D Inds.	SG D Tubes Repaired
Hot Leg TTS Mechanisms								
Axial PWSCC	16	15	1	1	2	2	1	1
Circumferential PWSCC	20	20	3	3	10	9	1	1
Axial OD SCC	0	0	6	6	3	3	2	1
Circumferential OD SCC	3	3	1	1	2	2	0	0
Volumetric OD IGA	3	3	5	4	16	15	2	2
AVB Wear ≥40% tw	0	0	0	0	0	0	1	1
TSP Wear	1	1	0	0	0	0	0	0
Loose Parts Wear	0	0	0	0	0	0	4	4
Multiple Degradation Modes		0		0		-1		0
Total Tubes Repaired		42		15		30		10

Tables 4-3 through 4-9 provide detailed lists of flaws determined to be repairable during Refuel 10. The NDE measurement parameter necessary for condition monitoring and operational assessment (discussed in Sections 5 and 6 of this report, respectively) are also provided for each flaw.

Table 4-3. HL TTS Axially-Oriented PWSCC Indications – Refuel 10

SG	Row	Col	Loc 1	Loc 2	ID or OD	Flaw Length Degraded Area (PDA)	Flaw Length (in)	Max Depth (% tw)	Voltage (Volts)	Bottom of Hydraulic Transition	Bottom of Crack	Distance from BHT to Crack
A	11	95	TSH	+0.03	ID	23.47	0.17	45	0.41	-0.15	-0.06	+0.09
A	14	63	TSH	+0.13	ID	46.33	0.09	83	0.69	-0.19	+0.10	+0.29
A	15	62	TSH	+0.11	ID	52.94	0.17	87	0.6	-0.25	+0.03	+0.28
A	15	93	TSH	+0.06	ID	49.12	0.17	72	1.03	-0.15	-0.03	+0.12
A	17	88	TSH	+0.00	ID	63.75	0.2	93	0.61	-0.14	-0.08	+0.06
			TSH	+0.01	ID	39	0.14	64	0.28	-0.14	-0.04	+0.10
A	19	81	TSH	+0.04	ID	20.59	0.17	36	0.35	-0.15	-0.04	+0.11
A	22	46	TSH	+0.10	ID	26.56	0.16	53	0.34	-0.20	+0.02	+0.22
A	25	86	TSH	+0.07	ID	66.94	0.17	99	0.37	-0.11	-0.05	+0.06
A	31	94	TSH	+0.03	ID	43.48	0.21	93	0.6	-0.11	-0.09	+0.02
A	35	80	TSH	+0.04	ID	41.4	0.15	80	0.43	-0.20	+0.01	+0.21
A	38	85	TSH	+0.01	ID	40.82	0.17	85	0.53	-0.09	-0.04	+0.05
A	39	81	TSH	+0.04	ID	19.17	0.14	36	0.5	-0.14	-0.04	+0.10
A	39	87	TSH	+0.08	ID	42.61	0.23	56	0.7	-0.17	-0.04	+0.13
A	42	65	TSH	+0.04	ID	23.88	0.08	40	0.49	-0.25	-0.01	+0.24
A	47	61	TSH	-0.75	ID	40.44	0.25	59	0.49	-0.22	-0.92	-0.70
B	27	95	TSH	+0.09	ID	44.25	0.16	72	0.75	-0.03	-0.01	+0.02
C	15	31	TSH	+0.11	ID	40.75	0.24	73	0.81	-0.24	-0.04	+0.20
C	30	104	TSH	-0.04	ID	36.44	0.27	100	0.22	-0.19	-0.20	-0.01
D	39	65	TSH	-0.01	ID	17.35	0.17	37	0.36	+0.00	-0.09	-0.09

Table 4-4. HL TTS Circumferentially-Oriented PWSCC Indications – Refuel 10

SG	Row	Col	Ind	Loc 1	Loc 2	ID or OD	Total Percent Degraded Area (PDA)	Flaw Length Degraded Area (PDA)	Total Arc Length (degrees)	Max Depth (% tw)	Voltage (Volts)
A	11	62	SCI	TSH	-0.01	ID	4.34	41.58	37	69	0.33
A	12	107	SCI	TSH	+0.02	ID	3.53	34.07	37	64	0.35
A	13	64	SCI	TSH	-0.02	ID	1.17	14.28	29	38	0.46
A	17	32	SCI	TSH	-1.34	ID	2.76	29.66	33	94	0.69
A	17	54	SCI	TSH	-0.10	ID	4.76	47.62	36	92	0.29
A	17	67	SCI	TSH	+0.16	ID	4.27	40.92	37	97	0.25
A	17	81	SCI	TSH	+0.05	ID	3.03	33.01	33	75	0.38
A	18	45	SCI	TSH	-0.24	ID	3.04	36.84	29	91	0.46
A	20	88	SCI	TSH	-0.03	ID	3.99	43.39	33	71	0.23
A	24	52	SCI	TSH	+0.13	ID	2.85	35.05	29	98	0.38
A	26	51	SCI	TSH	+0.12	ID	8.32	78.63	38	98	0.54
A	30	81	SCI	TSH	+0.05	ID	1.64	28.33	20	54	0.31
A	31	97	MCI	TSH	-4.72	ID	11.37	37.92	108	68	0.37
A	33	64	SCI	TSH	-0.27	ID	2.22	31.91	25	54	0.22
A	33	71	SCI	TSH	+0.04	ID	5.05	54.29	33	86	0.35
A	39	52	SCI	TSH	-0.09	ID	5.16	55.42	33	84	0.43
A	39	85	SCI	TSH	+0.05	ID	5.35	66.59	28	97	0.31
A	41	56	SCI	TSH	-0.12	ID	3.89	56.45	24	95	0.22
A	42	83	MCI	TSH	+0.07	ID	7.99	33.10	86	83	0.52
A	49	75	SCI	TSH	+0.07	ID	4.43	47.64	33	79	0.48
B	15	102	SCI	TSH	+0.16	ID	6.35	54.05	42	68	0.31
B	17	108	MCI	TSH	+0.11	ID	15.01	67.14	79	98	0.29
B	27	113	SCI	TSH	+0.00	ID	2.3	28.86	28	99	0.33
C	18	103	SCI	TSH	+0.07	ID	2.05	29	25	54	0.12
C	22	81	SCI	TSH	+0.10	ID	4.14	50.22	29	94	0.38
C	25	88	SCI	TSH	+0.10	ID	2.17	36.4	21	65	0.24
C	30	62	SCI	TSH	+0.05	ID	4.64	65.74	25	94	0.2
C	31	41	SCI	TSH	+0.09	ID	2.88	31.69	32	61	0.15
C	31	62	MCI	TSH	+0.04	ID	7.82	47.42	58	100	0.29
C	34	45	MCI	TSH	-4.34	ID	20.93	73.13	102	98	1.19
			SCI	TSH	-5.81	ID	5.84	57.8	36	96	0.37
C	41	54	SCI	TSH	-0.09	ID	4.62	69.86	23	94	0.22
C	57	76	SCI	TSH	+0.02	ID	3.44	42.25	29	94	0.32
D	36	62	MCI	TSH	-0.45	ID	8.29	53.56	54	90	0.55

Table 4-5. HL TTS Axially-Oriented OD SCC Indications – Refuel 10

SG	Row	Col	Loc 1	Loc 2	ID or OD	Flaw Length Degraded Area (PDA)	Flaw Length (in)	Max Depth (% tw)	Voltage (Volts)	Bottom of Hydraulic Transition	Bottom of Crack	Distance from BHT to Crack
B	11	65	TSH	+0.15	OD	27.58	0.19	51	0.23	-0.21	+0.03	+0.24
B	11	68	TSH	+0.33	OD	22.89	0.19	42	0.13	-0.03	+0.27	+0.30
B	12	65	TSH	+0.07	OD	12.6	0.15	28	0.1	-0.17	-0.02	+0.15
B	12	66	TSH	+0.12	OD	16.23	0.22	27	0.22	-0.12	-0.02	+0.10
B	12	67	TSH	+0.25	OD	21.62	0.34	33	0.23	-0.09	+0.13	+0.22
B	13	49	TSH	+0.12	OD	32.29	0.14	69	0.31	-0.03	+0.04	+0.07
C	14	52	TSH	+0.13	OD	30.28	0.18	63	0.29	-0.24	+0.03	+0.27
C	14	62	TSH	+0.54	OD	38.81	0.21	57	0.21	-0.35	+0.39	+0.74
C	23	9	TSH	+0.33	OD	26.37	0.24	49	0.13	-0.27	+0.24	+0.51
D	14	61	TSH	+0.18	OD	53.31	0.16	86	0.21	-0.26	+0.09	+0.35
			TSH	+0.19	OD	36.75	0.32	54	0.27	-0.26	+0.07	+0.33

Table 4-6. HL TTS Circumferentially-Oriented OD SCC Indications – Refuel 10

SG	Row	Col	Ind	Loc 1	Loc 2	ID or OD	Total Percent Degraded Area (PDA)	Flaw Length Degraded Area (PDA)	Total Arc Length (degrees)	Max Depth (% tw)	Voltage (Volts)
A	14	67	SCI	TSH	-0.06	OD	3.33	40.48	29	50	0.15
A	14	71	SCI	TSH	-0.09	OD	2.28	15.11	54	45	0.15
A	44	33	SCI	TSH	-0.03	OD	0.98	14.19	24	24	0.14
B	12	55	SCI	TSH	-0.04	OD	2.82	33.1	30	54	0.1
C	21	87	SCI	TSH	+0.28	OD	8.61	38.48	80	66	0.15
C	31	62	SCI	TSH	+0.26	OD	5.04	38.94	46	51	0.09

Table 4-7. HL TTS Volumetric Indications – Refuel 10

SG	Row	Col	Loc 1	Loc 2	ID or OD	Ax Length (in)	Circ Extent (deg)	Circ Extent (in)	Depth (% tw)	Voltage (Volts)
A	17	74	TSH	+0.10	OD	0.44	110	0.65	36	1.6
A	34	72	TSH	+0.14	OD	0.29	63	0.37	9	0.1
A	44	34	TSH	+0.06	OD	0.37	121	0.72	52	1.78
B	13	64	TSH	+2.02	OD	0.28	76	0.45	20	0.74
B	14	64	TSH	+1.19	OD	0.25	59	0.35	9	0.25
			TSH	+2.09	OD	0.34	96	0.57	14	0.44
B	15	62	TSH	+0.98	OD	0.34	89	0.53	13	0.4
B	16	12	TSH	+0.00	OD	0.3	69	0.41	17	0.35
C	1	5	TSH	+0.19	OD	0.81	63	0.37	11	0.15
C	9	64	TSH	+0.13	OD	0.27	59	0.35	11	0.17
C	10	93	TSH	+0.49	OD	0.6	64	0.38	7	0.25
C	11	30	TSH	+0.15	OD	0.54	144	0.85	16	0.48
C	11	63	TSH	+0.80	OD	0.24	75	0.45	11	0.17
C	11	69	TSH	+0.08	OD	0.24	63	0.37	13	0.29
C	12	65	TSH	+1.39	OD	0.21	63	0.37	12	0.26
C	13	65	TSH	+1.21	OD	0.39	63	0.37	22	0.87
C	16	66	TSH	+0.43	OD	0.54	54	0.32	12	0.22
C	27	31	TSH	+0.06	OD	0.24	88	0.52	11	0.18
C	37	98	TSH	+0.20	OD	0.29	64	0.38	8	0.26
C	48	37	TSH	+0.02	OD	0.27	75	0.45	18	0.36
C	48	75	TSH	-0.01	OD	0.29	69	0.41	13	0.14
C	48	76	TSH	+0.17	OD	0.31	111	0.66	17	0.29
C	51	62	TSH	+0.05	OD	0.4	68	0.4	8	0.28
			TSH	-0.20	OD	0.37	64	0.38	6	0.17
D	11	69	TSH	+0.29	OD	0.34	70	0.41	16	0.18
D	38	103	TSH	+0.52	OD	0.25	40	0.23	13	0.14

Table 4-8. AVB Wear Defects (≥40% tw by ECT) – Refuel 10

SG	Row	Col	Loc 1	Loc 2	Depth (% tw)	Voltage (Volts)
D	52	44	AV3	+0.00	44	2.05

Table 4-9. Other Repairable Defects – Refuel 10

						1999 Plus Point Sizing Info						1999 Bobbin	
SG	Row	Col	Ind	Loc 1	Loc 2	ID or OD	Ax Length (in)	Circ Extent (deg)	Circ Extent (in)	Depth (% tw)	Voltage (Volts)	Depth (% tw)	Voltage (Volts)
A	58	64	SVI	01H	-0.45	OD	0.44	71	0.42	21	0.8	25	0.87
D	53	70	SVI	TSC	+1.36	OD	0.51	87	0.51	40	2.4	30	0.99
D	53	71	SVI	TSC	+0.49	OD	0.44	91	0.54	53	3.27	38	1.56
D	53	72	SVI	TSC	-0.06	OD	N/A	N/A	N/A	N/A	0.14	NDD	
D	53	73	SVI	TSC	+2.01	OD	N/A	N/A	N/A	16	0.98	15	0.08

5. Refuel 10 Condition Monitoring Assessment

An assessment of the Callaway steam generator tubes was performed considering the as found flaws identified by ECT during the Refuel 10 outage. The structural integrity and predicted leakage during postulated accident conditions of the identified degraded tubes were determined for each flaw type. In addition, the results of the analysis were compared to the operational assessment performed after Refuel 9[4] to determine the validity of the operational assessment approach and identify necessary changes that need to be incorporated into the Refuel 10 operational assessment (discussed in Section 6 of this report).

5.1 Tube Structural Integrity

As discussed in Section 3, structural integrity of the steam generator tube is defined as the tube retaining a margin of three against burst under normal full power operation and a margin of 1.4 against burst under postulated accident conditions. As discussed in the degradation assessment, the limiting burst pressure for the Callaway steam generators is three times normal operating pressure, or 3825 psi.[3]

5.1.1 Axially-Oriented Hot Leg Expansion Transition PWSCC

All detected ID axial flaws were initially compared to the following lower bound deterministic criteria:[3]

- LTMA tubes:
  - 0.228" for any depth crack,
  - 49.4% tw structural average depth for an infinite length crack.
- TT Tubes:
  - 0.214" for any depth crack,
  - 48.3% tw structural average depth for an infinite length crack.

Identified cracks were compared first to the length based criteria, since cracks of this length or less which are 100% tw for the full length will not cause a tube burst at three times normal operating differential pressure using the conservative deterministic bounding calculational approach. Most of the identified flaws (listed in Table 4-3) were shorter than the allowable length of 0.228" (all flaws were in LTMA tubes). For the cracks which were longer than the

allowable length, the average structural depth and effective length were found using the approach outlined in Section 5.6.1 of the Degradation Specific Management Flaw Document,[6] with one exception. None of the flaw profiles could be divided into 20 to 50 discrete segments, as the minimum resolution of the Plus Point probe is about 0.03". No flaws were long enough to allow 20 segments at this minimum resolution.

The average structural depth and effective length of the ID axial flaws are listed below in Table 5-1 (as discussed below in Section 5.2.1, the average structural depth and effective length were calculated for all detected flaws). These dimensions were then compared to the deterministic bounding criteria listed above. Flaws which did not meet the bounding criteria were then evaluated using the deterministic/probabilistic length vs. depth criteria, shown below in Figure 5-1. As shown on the figure, all of the flaws met the deterministic/probabilistic criteria.

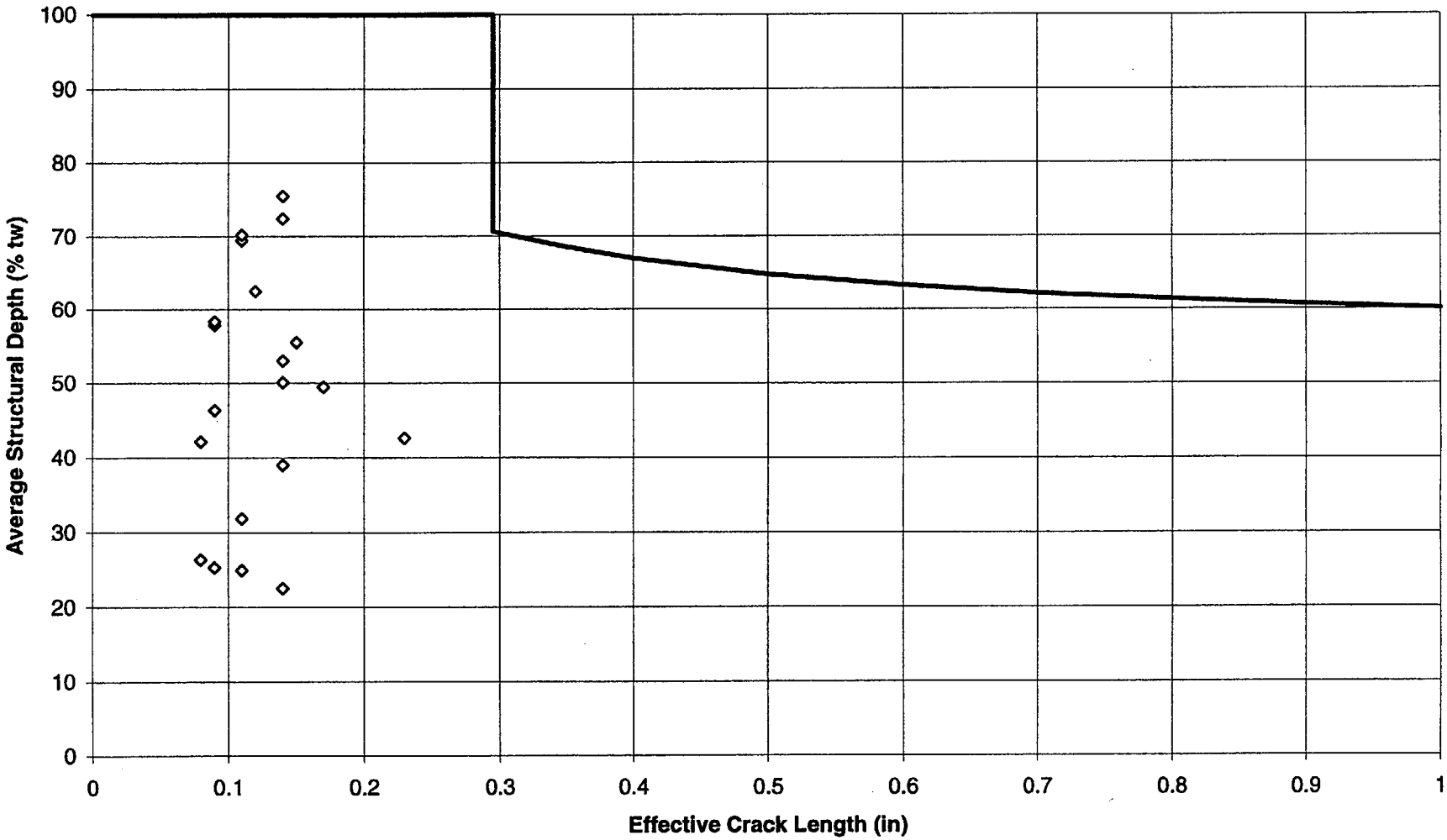
One tube, SG A Row 17 Column 88, has two parallel axial indications. Assessed independently, both flaws are shorter than the 0.228" allowable length limit, indicating that structural integrity would be maintained at three times normal operating differential pressure. To determine if the presence of multiple parallel axial flaws would further degrade the integrity of the tube, an additional analysis was performed considering the flaws as a single volumetric flaw, with a maximum axial extent equal to the length of the longest axial flaw and a maximum circumferential extent equal to the distance between the two flaws. According to the EPRI In-Situ Pressure Test Guidelines, a volumetric flaw can usually be assumed to be an elliptical patch that can be bounded by cracks at the ellipse's axes when considering the possibility of tube burst.[7] The maximum circumferential distance between the two flaws was determined to be 172° from the eddy current data by measuring between the outside edges of the two ECT signals. This extent is less than the 220.7° deterministic limit for a 100% tw circumferential flaw, satisfying the lower bound structural integrity requirement. Thus, it is concluded that there is no further degradation in the structural integrity of the tube due to the presence of multiple axial flaws.

Based on the above discussion, the structural integrity requirements of all tubes with axially-oriented PWSCC are satisfied.

Table 5-1. HL TTS Axial PWSCC Indications – Refuel 10
Average Structural Depth and Effective Length

SG	Row	Col	Loc 1	Loc 2	ID or OD	Flaw Length Degraded Area (PDA)	Flaw Length (in)	Max Depth (% tw)	Voltage (Volts)	Bottom of Hydraulic Transition	Bottom of Segment	Distance from BHT to Crack
A	11	95	TSH	+0.03	ID	31.86	0.11	45	0.41	-0.15	-0.06	+0.09
A	14	63	TSH	+0.13	ID	46.33	0.09	83	0.69	-0.19	+0.10	+0.29
A	15	62	TSH	+0.11	ID	69.45	0.11	87	0.6	-0.25	+0.03	+0.28
A	15	93	TSH	+0.06	ID	53.04	0.14	72	1.03	-0.15	-0.03	+0.12
A	17	88	TSH	+0.00	ID	75.50	0.14	93	0.61	-0.14	-0.08	+0.06
			TSH	+0.01	ID	39.00	0.14	64	0.28	-0.14	-0.04	+0.10
A	19	81	TSH	+0.04	ID	22.54	0.14	36	0.35	-0.15	-0.04	+0.11
A	22	46	TSH	+0.10	ID	42.13	0.08	53	0.34	-0.20	+0.02	+0.22
A	25	86	TSH	+0.07	ID	72.43	0.14	99	0.37	-0.11	-0.05	+0.06
A	31	94	TSH	+0.03	ID	55.50	0.15	93	0.6	-0.11	-0.09	+0.02
A	35	80	TSH	+0.04	ID	57.83	0.09	80	0.43	-0.20	+0.01	+0.21
A	38	85	TSH	+0.01	ID	58.33	0.09	85	0.53	-0.09	-0.04	+0.05
A	39	81	TSH	+0.04	ID	24.95	0.11	36	0.5	-0.14	-0.04	+0.10
A	39	87	TSH	+0.08	ID	42.61	0.23	56	0.7	-0.17	-0.04	+0.13
A	42	65	TSH	+0.04	ID	26.38	0.08	40	0.49	-0.25	-0.01	+0.24
A	47	61	TSH	-0.75	ID	49.47	0.17	59	0.49	-0.22	-0.92	-0.70
B	27	95	TSH	+0.09	ID	50.11	0.14	72	0.75	-0.03	-0.01	+0.02
C	15	31	TSH	+0.11	ID	62.50	0.12	73	0.81	-0.24	-0.04	+0.20
C	30	104	TSH	-0.04	ID	70.23	0.11	100	0.22	-0.19	-0.20	-0.01
D	39	65	TSH	-0.01	ID	25.33	0.09	37	0.36	+0.00	-0.09	-0.09

Figure 5-1. Callaway Axial PWSCC at Hot Leg Expansion Transition Deterministic/Probabilistic Condition Monitoring Limits



5.1.2 Circumferentially-Oriented Hot Leg Expansion Transition PWSCC

All detected ID circumferential flaws were initially compared to the following lower bound deterministic criteria:[3]

- LTMA tubes:
  - 61.3% degraded area or extent less than 220.7° (equivalent throughwall crack),
- TT Tubes:
  - 60.7% degraded area or extent less than 218.5° (equivalent throughwall crack),

Since the largest identified flaws (listed in Table 4-4) are smaller than these conservative criteria, the structural integrity requirements of the tubes are satisfied. Evaluation of the flaws using deterministic/probabilistic criteria was not necessary.

5.1.3 Axially-Oriented Hot Leg Top of Tubesheet OD SCC

All detected OD axial flaws were initially compared to the following lower bound deterministic criteria:[3]

- LTMA tubes:
  - 0.106" for any depth crack,
  - 41.5% tw structural average depth for an infinite length crack.
- TT Tubes:
  - 0.088" for any depth crack,
  - 40.6% tw structural average depth for an infinite length crack.

Identified cracks were first compared to the length based criteria, since cracks of this length or less which are 100% tw for the full length will not cause a tube burst at three times normal operating differential pressure using the conservative deterministic bounding calculational approach. All of the identified flaws (listed in Table 4-5) were longer than the allowable length of 0.106" (all flaws were in LTMA tubes). Subsequently, the average structural depth and effective length were found for all flaws using the approach outlined in Section 5.6.1 of the Degradation Specific Management Flaw Document.[6] As with axial PWSCC flaws, no flaws

were long enough to allow 20 discrete segments at the minimum resolution of the Plus Point probe.

The average structural depth and effective length of the OD axial flaws are listed below in Table 5-2. Most of these flaws required evaluation using the deterministic/probabilistic length vs. depth criteria, shown below in Figure 5-2. As shown on the figure, all of the flaws met the criteria.

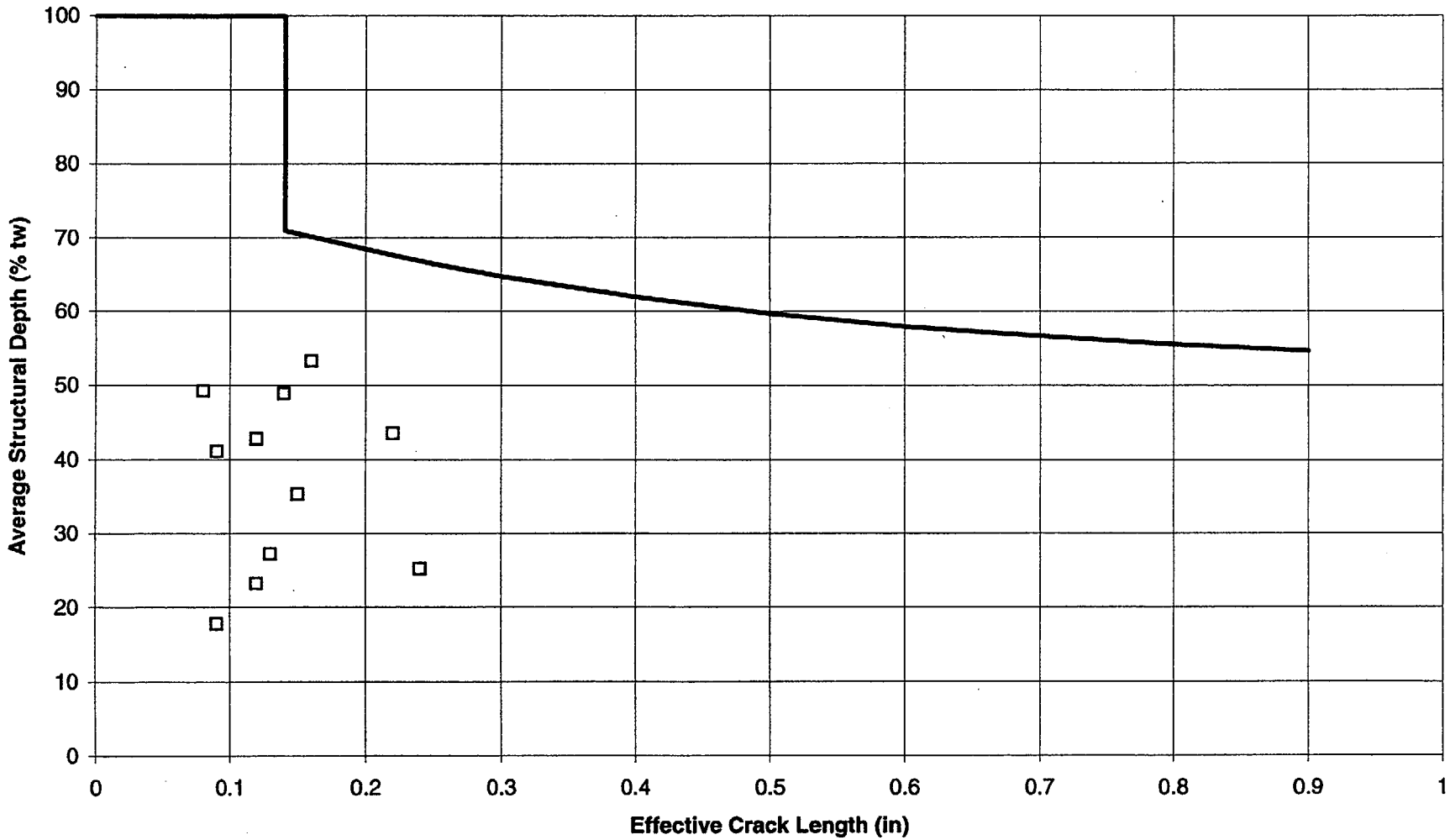
One tube, SG D Row 14 Column 61, had two parallel axial indications. Assessed independently, both flaws met the deterministic/probabilistic criteria for their average structural depth and effective length, indicating that structural integrity would be maintained at three times normal operating differential pressure. As was performed with a similar multiple axial indication of PWSCC in SG A, an additional analysis was performed considering the flaws as a single volumetric flaw, with a maximum axial extent equal to the length of the longest axial flaw and a maximum circumferential extent equal to the distance between the two flaws. The maximum circumferential distance between the flaws was determined to be 99° by measuring between the outside edges of the two ECT signals. This extent is less than the 196.2° deterministic limit for a 100% tw circumferential OD SCC flaw, satisfying the lower bound structural integrity requirement. Thus, it is concluded that there is no further degradation in the structural integrity of the tube due to the presence of multiple axial flaws.

Based on the above discussion, the structural integrity requirements of all tubes with axially-oriented OD SCC are satisfied.

Table 5-2. HL TTS Axial OD SCC Indications – Refuel 10
Average Structural Depth and Effective Length

SG	Row	Col	Loc 1	Loc 2	ID or OD	Flaw Length Degraded Area (PDA)	Flaw Length (in)	Max Depth (% tw)	Voltage (Volts)	Bottom of Hydraulic Transition	Bottom of Segment	Distance from BHT to Crack
B	11	65	TSH	+0.15	OD	41.17	0.09	51	0.23	-0.21	+0.03	+0.24
B	11	68	TSH	+0.33	OD	27.23	0.13	42	0.13	-0.03	+0.27	+0.30
B	12	65	TSH	+0.07	OD	17.83	0.09	28	0.1	-0.17	-0.02	+0.15
B	12	66	TSH	+0.12	OD	23.25	0.12	27	0.22	-0.12	-0.02	+0.10
B	12	67	TSH	+0.25	OD	25.25	0.24	33	0.23	-0.09	+0.13	+0.22
B	13	49	TSH	+0.12	OD	49.25	0.08	69	0.31	-0.03	+0.04	+0.07
C	14	52	TSH	+0.13	OD	42.83	0.12	63	0.29	-0.24	+0.03	+0.27
C	14	62	TSH	+0.54	OD	48.93	0.14	57	0.21	-0.35	+0.39	+0.74
C	23	9	TSH	+0.33	OD	35.40	0.15	49	0.13	-0.27	+0.24	+0.51
D	14	61	TSH	+0.18	OD	53.31	0.16	86	0.21	-0.26	+0.09	+0.35
			TSH	+0.19	OD	43.57	0.22	54	0.27	-0.26	+0.07	+0.33

Figure 5-2. Callaway Axial ODSCC at Hot Leg TTS Deterministic/Probabilistic Condition Monitoring Limits



5.1.4 Circumferentially-Oriented Hot Leg Top of Tubesheet OD SCC

All detected OD circumferential flaws were initially compared to the following lower bound deterministic criteria:[3]

- LTMA tubes:
  - 54.5% degraded area or extent less than 196.2° (equivalent throughwall crack),
- TT Tubes:
  - 54.1% degraded area or extent less than 194.8° (equivalent throughwall crack),

Since the largest identified flaws (listed in Table 4-6) are smaller than these conservative criteria, the structural integrity requirements of the tubes are satisfied. Evaluation of the flaws using deterministic/probabilistic criteria was not necessary.

5.1.5 Volumetric Hot Leg Top of Tubesheet OD IGA

Volumetric flaws identified by Plus Point at the hot leg TTS were treated as being due to intergranular attack (IGA), as opposed to some type of thinning or deposit caused signal, based on the nature of the signals and the locations of the defects within the steam generators. The EPRI Steam Generator Degradation Specific Management Flaw Document states that a flaw can be considered to be local wall thinning if the maximum linear dimension of the flaw is less than the mean tube radius. For these flaws, tube burst is not a consideration, and the development of a significant leak rate is the primary concern.[6] The pressure differential leading to leakage is obtained by treating the flaw as either a partial throughwall axial crack or a short partial throughwall circumferential crack.

According to the EPRI In-Situ Pressure Test Guidelines, a volumetric flaw can usually be assumed to be an elliptical patch that can be bounded by cracks at the ellipse's axes when considering the possibility of tube burst.[7] In addition, the equation used to calculate the structural limit for axially oriented volumetric degradation with limited circumferential extent[6] is the same form as the structural limit equation used for part throughwall axial cracks. Therefore, it was determined that the structural integrity of OD-initiated volumetric flaws detected at Callaway during Refuel 10 could be evaluated as follows:

1. consider the measured axial length and depth of the flaw as an axial OD SCC crack, and

2. consider the measured circumferential length and depth of the flaw as a circumferential OD SCC crack.

As discussed in the Degradation Assessment, the following crack depths satisfy structural integrity criteria for condition monitoring by deterministic bounding analysis:[3]

- Axially-oriented hot leg top of tubesheet OD SCC:
  - 41.5% tw structural average depth for an infinite length crack in a LTMA tube,
  - 40.6% tw structural average depth for an infinite length crack in a TT tube.
- Circumferentially-oriented hot leg top of tubesheet OD SCC:
  - 54.5% degraded area or extent less than 196.2° (equivalent throughwall crack) in a LTMA tube,
  - 54.1% degraded area or extent less than 194.8° (equivalent throughwall crack) in a TT tube.

The measurement uncertainties in these limits are based on measurements of the extent and percent degraded area of circumferential OD SCC flaws in explosive expansion transitions taken using both conventional pancake coil and Plus Point coils. As no Appendix H techniques are available for measuring depth, axial length, or circumferential extent of volumetric flaws using rotating probes (RPC or Plus Point), these uncertainties are considered to be the best available estimates of the measurement error for volumetric flaws at Callaway using Plus Point coils.

All but one of the volumetric flaws at Callaway during Refuel 10 (listed in Table 4-7) had at least one dimension larger than the tube mean radius of 0.3238"; therefore, all but one must be evaluated for the possibility of tube burst. One indication was deeper than the conservative condition monitoring limits for OD SCC: SG B Tube Row 44 Column 34 was measured at 52% tw (axial length of 0.37"). This flaw was evaluated using the deterministic/probabilistic criteria shown in Figure 5-2 for axially-oriented OD SCC, and was found to meet the criteria. All of the other identified flaws were smaller than the conservative condition monitoring limits for OD SCC.

For the two tubes with multiple volumetric indications (SG B Row 14 Column 64 and SG C Row 51 Column 62), the deeper flaw on the tube was less than the conservative condition monitoring limits for OD SCC in both the axial and circumferential directions (the axial criteria applies to an infinite length flaw, and the circumferential percent degraded area criteria applies to flaws which

extend for 360°). Therefore, it is concluded that there is no further degradation in the structural integrity of the tube due to the presence of multiple volumetric flaws.

Based on the above discussion, the structural integrity requirements of all tubes with volumetric OD IGA at the hot leg TTS are satisfied.

5.1.6 AVB Wear

All detected AVB wear flaws were compared to the lower bound deterministic bounding criteria of 70.6% tw. Since the largest identified flaws (listed in Table 4-8) are smaller than this conservative criteria, the structural integrity requirements of the tubes are satisfied.

5.1.7 Other Repairable Defects

All of the five other repairable defects found at Callaway during Refuel 10 were wear/fretting type defects, with one defect in SG A due to wear at a tube support plate and four defects in SG D due to the presence of a loose part on the cold leg tubesheet. They were analyzed using the AVB wear mix on the bobbin coil, which is equivalent to the 200/100 kHz absolute mix from EPRI ETSS #96004.[8] Although the defects were not AVB wear, and the bobbin coil signal was calibrated using an AVB wear standard only during Refuel 10, it was considered that this sizing technique produced the best estimate of the true depth of the flaws, as the signals were backed with either a TSP or the loose part itself during acquisition.

The structural integrity of the flaws was evaluated using the ASME Code minimum thickness equation and the measurement error relationship for AVB wear using a 200/100 kHz bobbin absolute mix. It was determined that a wear flaw could be measured at 51.7% tw using this technique and still meet the ASME Code minimum thickness requirements.[9] None of the flaws listed in Table 4-9 were measured at greater than 38% tw by bobbin coil. Accordingly, the structural integrity requirements of the one tube in SG A with TSP wear and the four tubes in SG D with loose parts wear are satisfied.

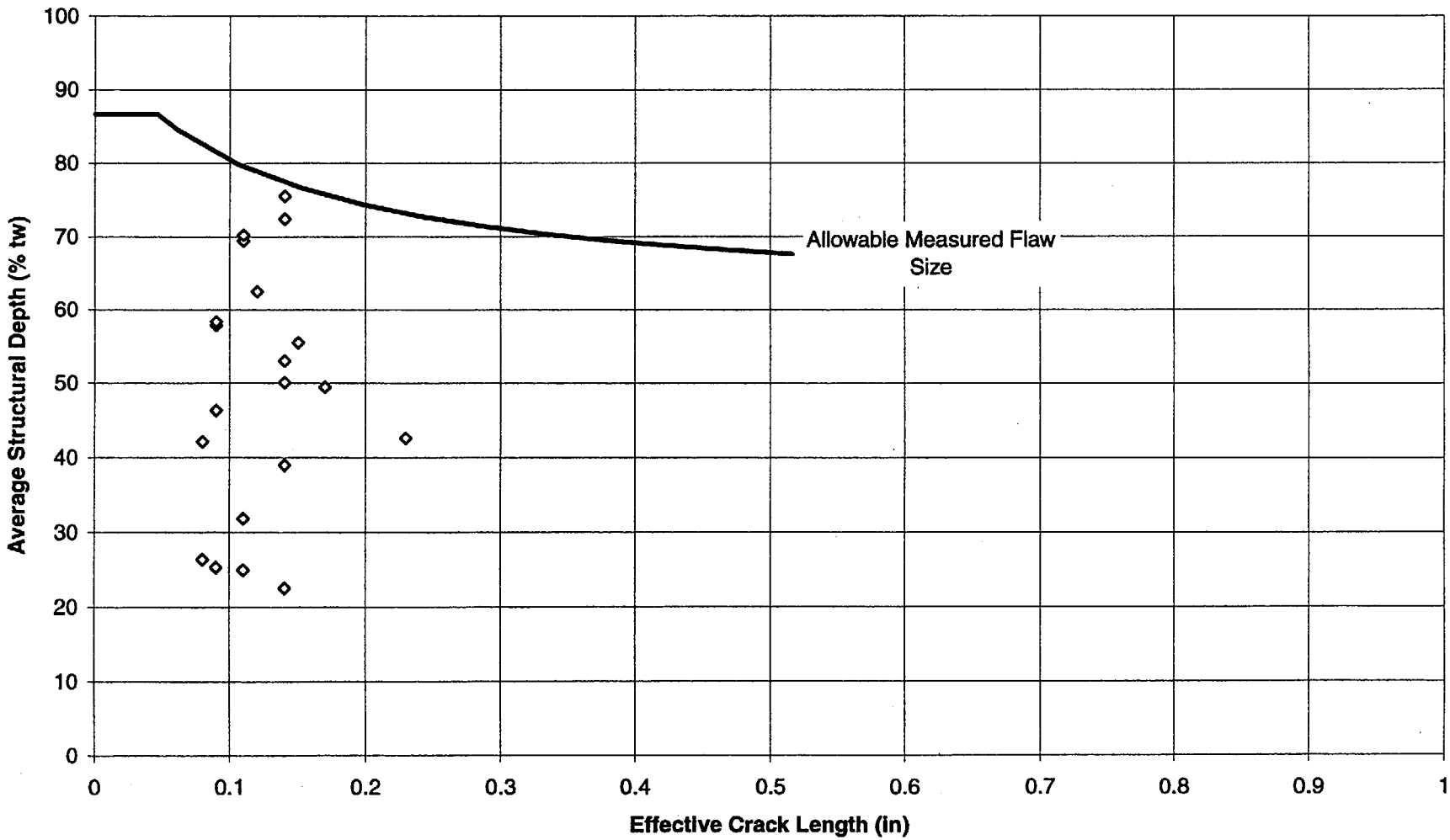
5.2 Predicted Accident Leakage

5.2.1 Axially-Oriented Hot Leg Expansion Transition PWSCC

For short length cracks with large average depths, crack tearing in the throughwall direction and leakage can occur without tube burst. In this case, the pressure at which tube leakage occurs is governed by the freespan partial throughwall axial cracking burst pressure equations from the Degradation Specific Management Flaw Document.[6] For longer flaws, the tube will not leak before burst. This behavior is governed by the same burst pressure equations. To determine the flaw sizes at which tube leakage is a possibility under design accident conditions, calculations were performed using the deterministic bounding approach to determine the combinations of average structural depths and effective lengths at which a crack could "pop" throughwall or burst.[10] The result of these calculations are shown in Figure 5-3.

Average structural depths and effective lengths were then found for all flaws identified during Refuel 10 using the approach outlined in Section 5.6.1 of the Degradation Specific Management Flaw Document. The data are listed above in Table 5-1, and are shown graphically below on Figure 5-3. As shown on the figure, all of the identified flaws are smaller than the flaw sizes at which leakage could be postulated to occur using the deterministic bounding approach. As a result, no primary-to-secondary leakage is predicted to occur from axial hot leg top of tubesheet PWSCC during postulated accident conditions at Refuel 10.

Figure 5-3. Callaway Axial PWSCC at Hot Leg Expansion Transition Deterministic Bounding Threshold Leakage Limits



5.2.2 Circumferentially-Oriented Hot Leg Expansion Transition PWSCC

For circumferentially-oriented cracking, leak rates can be calculated analytically using the approach outlined in EPRI TR-107197.[11] This approach calculates a probability of leakage based on the measured percent degraded area (PDA) of a flaw, and not on maximum depth or crack extent (measured crack angle). Per the report, measured PDA values provide a good to conservative estimate of the true severity of degradation, as the leak rate calculation methodology for a given PDA value is conservative.

The calculational methodology is independent of the crack initiation site (ID-initiated or OD-initiated). It also does not require adjustments to be made to the crack PDA to account for ECT measurement error, stating that "the as measured PDA values of the steam generator at end of cycle are the input data."[11] Consequently, predicted leakage for both circumferential PWSCC and OD SCC was calculated together.[12] As required by the leak rate method, calculations were performed using a deterministic/probabilistic approach utilizing Monte Carlo simulation, and the upper 95th percentile leak rate was returned (i.e., the 95/50 leak rate). The results are that no primary-to-secondary leakage is predicted to occur from hot leg circumferential PWSCC and OD SCC during postulated accident conditions at Refuel 10.

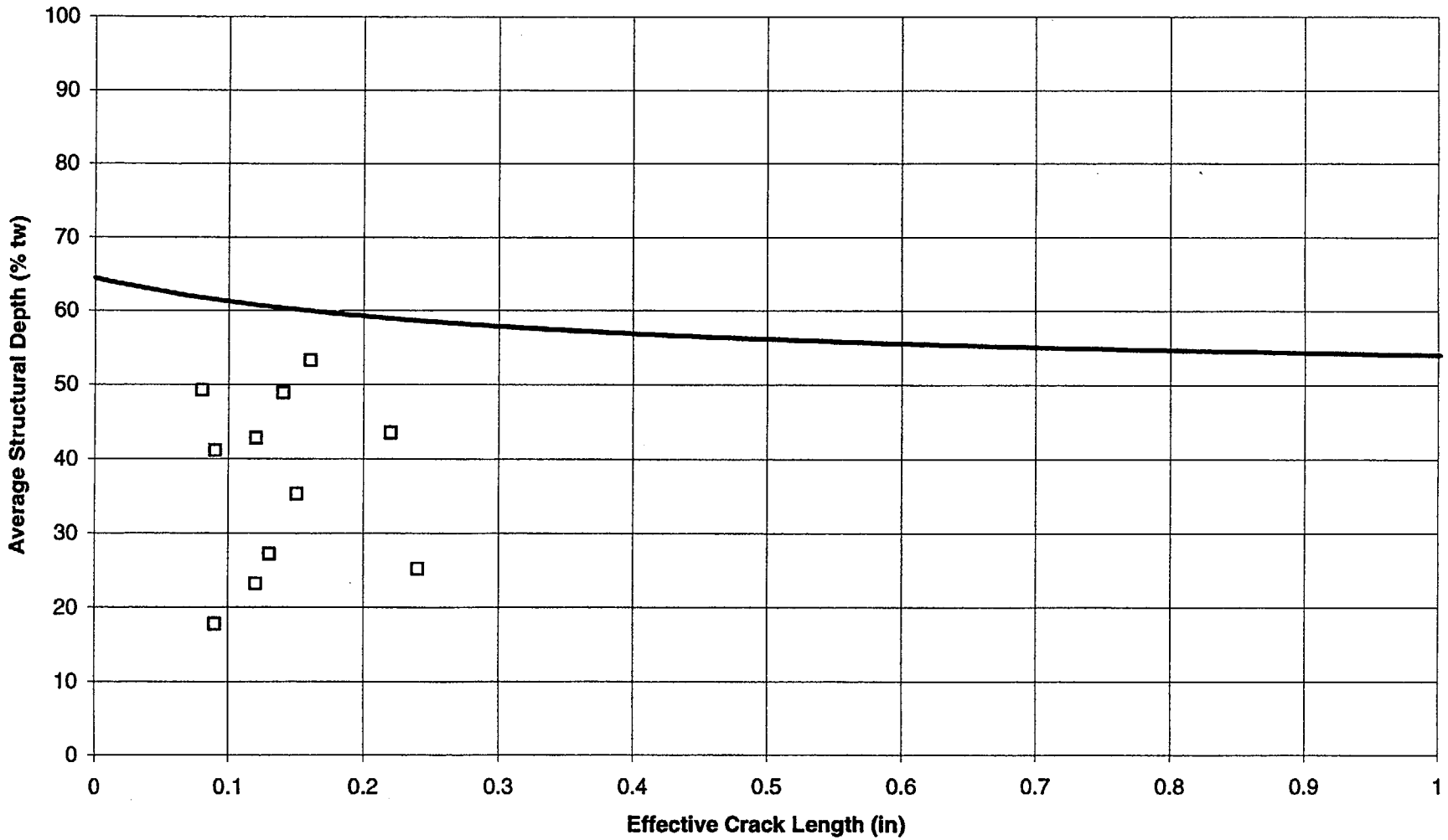
5.2.3 Axially-Oriented Hot Leg Top of Tubesheet OD SCC

For short length cracks with large average depths, crack tearing in the throughwall direction and leakage can occur without tube burst. In this case, the pressure at which tube leakage occurs is governed by the freespan partial throughwall axial cracking burst pressure equations from the Degradation Specific Management Flaw Document.[6] For longer flaws, the tube will not leak before burst. This behavior is governed by the same burst pressure equations. To determine the flaw sizes at which tube leakage is a possibility under design accident conditions, calculations were performed using the deterministic bounding approach to determine the combinations of average structural depths and effective lengths at which a crack could "pop" throughwall or burst.[13] The result of these calculations are shown in Figure 5-4.

Average structural depths and effective lengths were then found for all flaws identified during Refuel 10 using the approach outlined in Section 5.6.1 of the Degradation Specific Management Flaw Document. The data are listed above in Table 5-2, and are shown graphically below on Figure 5-4. As shown on the figure, all of the identified flaws are smaller than the flaw sizes at which leakage could be postulated to occur using the deterministic bounding approach. As a

result, no primary-to-secondary leakage is predicted to occur from axial hot leg top of tubesheet OD SCC during postulated accident conditions at Refuel 10.

Figure 5-4. Callaway Axial OD SCC at Hot Leg TTS Deterministic Bounding Threshold Leakage Limits



5.2.4 Circumferentially-Oriented Hot Leg Top of Tubesheet OD SCC

Predicted primary-to-secondary leakage during accident conditions due to circumferential hot leg TTS OD SCC flaws was calculated concurrently with leakage due to circumferential hot leg expansion transition PWSCC flaws, and is discussed above in Section 5.2.2.

5.2.5 Volumetric Hot Leg Top of Tubesheet OD IGA

As discussed above in Section 5.1.5, OD-initiated volumetric flaws can be evaluated by considering the measured axial length and depth of the flaw as an axial OD SCC crack, and consider the measured circumferential length and depth of the flaw as a circumferential OD SCC crack. Accordingly, the possibility of leakage through a volumetric flaw was considered as follows:

1. using the approach discussed above in Section 5.2.3 for axially-oriented OD SCC, and

2. using a similar approach with the equation for the pressure differential leading to development of a small leak in a pit as a function of circumferential extent from the Degradation Specific Management Flaw Document.[6]

The combinations of average structural depths and effective lengths at which a crack could "pop" throughwall or burst were calculated[14] and are shown in Figure 5-5 for the axial direction and Figure 5-6 for the circumferential direction. The measured depths, axial lengths and circumferential lengths for all of the OD volumetric hot leg top of tubesheet flaws found during refuel 10 were compared to these limits. The data are shown graphically on Figures 5-5 and 5-6. As shown on the figures, all of the identified flaws are smaller in both the axial and circumferential directions than the flaw sizes at which leakage could be postulated to occur using the deterministic bounding approach. As a result, no primary-to-secondary leakage is predicted to occur from volumetric hot leg top of tubesheet OD IGA during postulated accident conditions at Refuel 10.

Figure 5-5. Callaway Volumetric OD IGA at Hot Leg TTS Deterministic Bounding Threshold Leakage Limits - Axial Direction

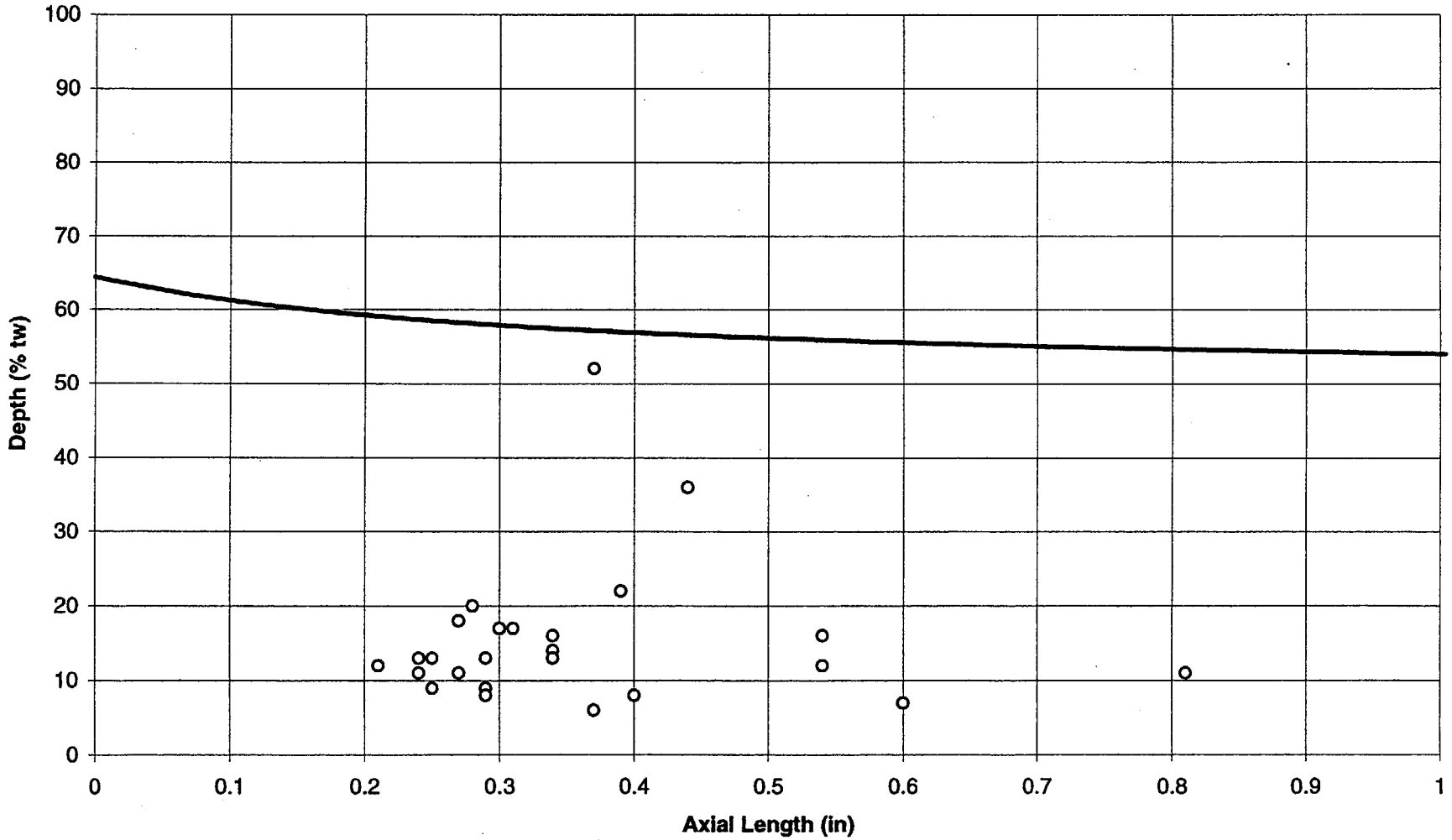
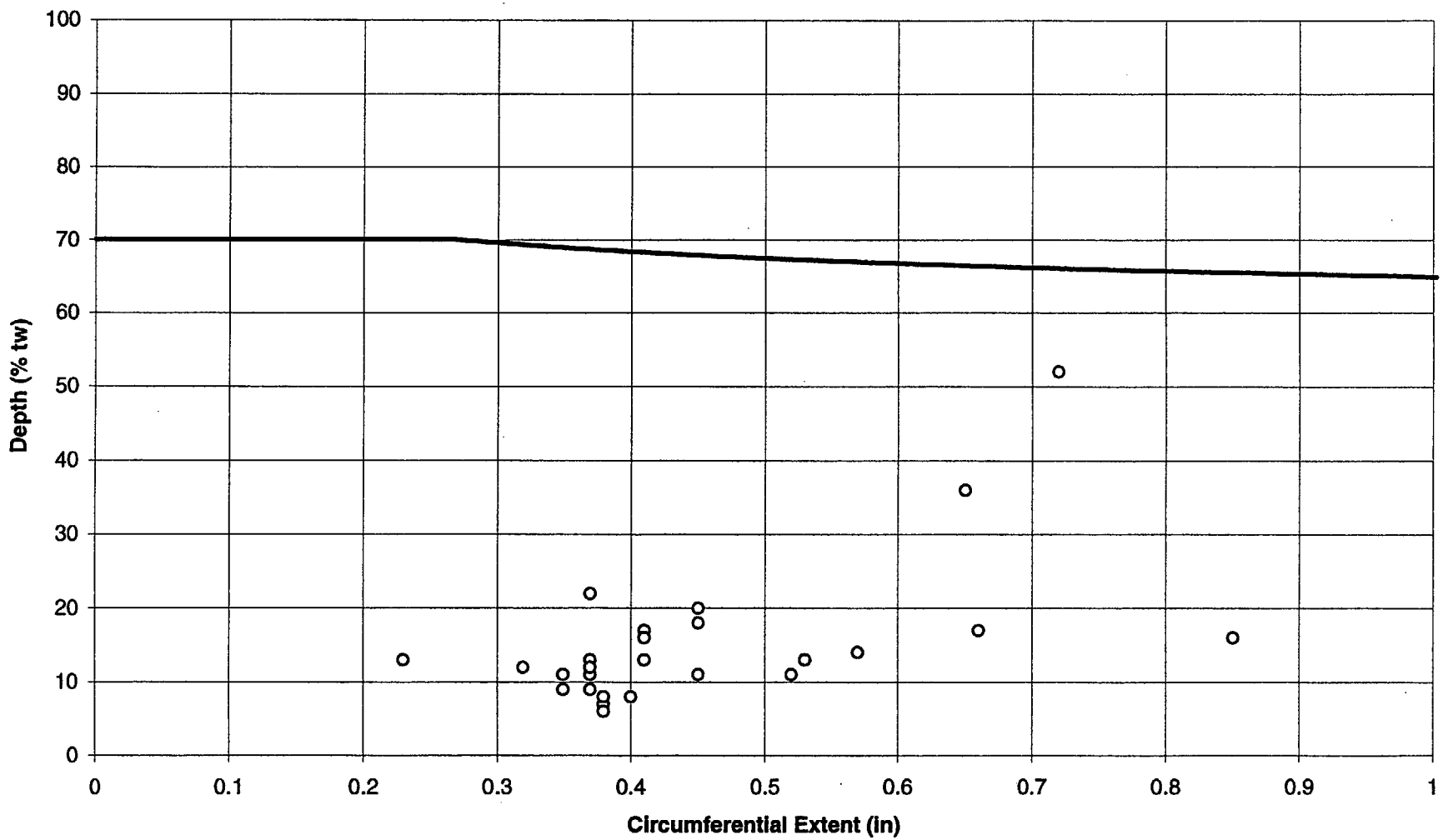


Figure 5-6. Callaway Volumetric OD IGA at Hot Leg TTS Deterministic Bounding Threshold Leakage Limits - Circ. Direction



5.2.6 AVB Wear

During the Refuel 10 ECT inspections, no AVB wear indications were identified as through wall and no indications were identified that would burst at three times normal operating pressure (see Section 5.1.6). Consequently, none would burst during postulated accident conditions. Therefore, no leakage is predicted from AVB wear indications during postulated accident conditions.

5.2.7 Other Repairable Defects

Neither the volumetric indications associated with the loose part in SG D nor the TSP wear indication in SG A were measured as being through wall, and as discussed in Section 5.1.7 none would burst at three times normal operating pressure. Consequently, none would burst during postulated accident conditions. Therefore, no leakage is predicted from any of these defects during postulated accident conditions.

5.3 Operational Leakage

Primary-to-secondary leakage detected during Cycle 10 operation was essentially zero. The predicted normal operation leakage from all flaw types is also zero.

5.4 Condition Monitoring Conclusion

All tubes found during the Callaway Refuel 10 eddy current inspections meet the structural integrity requirements of no tube burst at three times normal operating pressure, and no primary-to-secondary leakage is predicted to occur during postulated accident conditions. According, it is concluded that the Callaway tubes meet the NEI 97-06 performance criteria for structural integrity, operational leakage, and accident leakage in the "as found" condition at Refuel 10.

5.5 Comparison to Refuel 9 Operational Assessment

The Callaway steam generator tubes were predicted to satisfy structural integrity and leakage requirements at the end of Cycle 10 in the operational assessment performed by Tetra Engineering after the Refuel 9 inspections.[4] As discussed in this report, this is in fact what occurred, which justifies the methodology used in the operational assessment. Following is a list of differences between the Refuel 9 operational assessment and the Refuel 10 condition monitoring, which could be used to improve the Refuel 10 operational assessment (discussed in the next section):

1. Numbers of circumferential SCC, axial SCC, and AVB wear defects were overpredicted in the operational assessment. Tetra projected 83 circumferential SCC , 61 Axial SCC, and 18 AVB wear defects to be present at Refuel 10. In contrast, 40 circumferential SCC, 31 axial SCC, and 1 AVB wear defects were actually found during Refuel 10. The total projected tube repairs of 162 was also much larger than the actual number of 97.

2. No volumetric defects were predicted to be found in the hot leg top of tubesheet region at Refuel 10. In contrast, OD volumetric defects were actually found on 24 tubes during Refuel 10. While none of these defects were structurally significant (as discussed above), not considering the possibility of this type of degradation is a weakness of the Refuel 9 operational assessment.

3. Observed growth rates for Cycle 10 were different between OD- and ID-initiated degradation mechanisms, which was not considered in the Refuel 9 operational assessment. For axially-oriented cracks at the TTS, the difference in growth rates between OD- and ID-defects was significant, and the distribution used for the Refuel 9 operational assessment was not bounding for Cycle 10. Development of the Cycle 10 growth rates is discussed below.

These differences indicate that the projection of the numbers of flaws found during the next refueling outage (Cycle 11) needs to consider all possible types of degradation at Callaway, not just those modes observed during Refuel 10. In addition, the operational assessment needs to realistically predict the number of new flaws in order to avoid unnecessary conservatisms in the operational assessment.

Growth rates for all defects found during Refuel 10 were also evaluated for comparison with the Refuel 9 operational assessment. Evaluation of growth of during Cycle 10 was performed using

the guidance of the final version of the EPRI Steam Generator Integrity Assessment Guidelines.[15] Since indications of all degradation mechanisms which occur in the hot leg TTS region must be repaired on detection, reanalysis of ECT signals from Refuel 9 was performed to determine if precursor signals could be found. If a precursor signal could be found, the defect was sized and the growth of the defect evaluated using the beginning and end of cycle measurements.

The Guidelines require that if an indication changes from non-detectable to a relatively large size during one operating interval, the growth rate can be determined by assuming that the defect grew from a reasonable detection threshold at the beginning of the operating interval to its measured value at the end of the operating interval.[15] Some precursor signals could not be found based on reanalysis of the Refuel 9 ECT signals. For these indications, it was assumed that their size at Refuel 9 was equal to the smallest defect of the same degradation type identified during the reevaluation (e.g., the size of the smallest axial PWSCC precursor indication found during the reanalysis of the Refuel 9 ECT data was used for the initial size of all axial PWSCC indications which could not be detected by reanalysis).

Using the above described approach, the growth rate information in Table 5-3 was calculated for all hot leg top of tubesheet degradation mechanisms during Cycle 10.[16] Growth rates were calculated using the following formula (the length of the cycle was 517 days of operation with a hot leg temperature greater than 500°F[17]):

$$DX_{ij} = \left(\frac{X_i - X_j}{t_{ij}} \right) \times 365 \text{ days},$$

where:

DX_{ij} = Indication growth per year between inspections i and j,
X_i = Current outage inspection result,
X_j = Previous outage inspection result, and
t_{ij} = For temperature dependent degradation mechanisms, days at hot leg temperature of equal to or greater than 500° F.

Table 5-3. Growth Rates for HL TTS Degradation Mechanisms
Refuel 9 to Refuel 10 (Cycle 10)

Flaw Type	Number of Data Points	Parameter	Mean	Standard Deviation	Max	Min
Circumferential PWSCC	34	Total Percent Degraded Area (PDA/yr)	2.43	2.95	14.55	-1.48
Circumferential ODSCC	6	Total Percent Degraded Area (PDA/yr)	1.50	2.56	5.67	-1.11
Axial PWSCC	20	Effective Length (in/yr)	0.034	0.029	0.120	-0.007
		Average Structural Depth (PDA/yr)	19.41	15.06	45.42	-8.14
Axial OD SCC	11	Effective Length (in/yr)	0.015	0.026	0.064	-0.014
		Average Structural Depth (PDA/yr)	-0.57	7.12	9.30	-15.37
Volumetric OD IGA	26	Axial Length (in/yr)	0.072	0.098	0.311	-0.063
		Circumferential Extent (in/yr)	-0.016	0.092	0.212	-0.176

The growth rates for the circumferential indications are similar to those observed at Refuel 9 (shown in Table 8-1 of the Degradation Assessment[3]). However, the growth rates for the average structural depth of the axial indications are very different from those observed at Refuel 9. The growth of the average depth of PWSCC defects is much higher (19.41% tw/yr at Refuel 10 versus 4.5% tw/yr at Refuel 9) based on a large number of indications (20), while the growth of OD SCC defects is negative (-0.57% tw/yr) for a smaller number of indications (11). It is thought that the reason for the increase in the growth of axial PWSCC is that at Refuel 10 growth rates were calculated for defects which could not be detected during the reevaluation of the Refuel 9 data by assuming a threshold initial size as discussed above. It is believed that a similar approach was not taken for the Refuel 9 growth rates (i.e., data were not used when defects could not be detected during look back evaluations).

Based on the above results, it is considered that the Refuel 10 growth rates should be used for the Cycle 11 operational assessment, since growth rate data are available for more distinct types of tube degradation and there are some significant differences between the Refuel 9 and Refuel 10 growth rates.

6. Preliminary Cycle 11 Operational Assessment

To justify startup of the Callaway plant after Refuel 10, an assessment of the steam generator tubes was performed considering the flaws projected to be present during the first 90 days of Cycle 11. The structural integrity and predicted leakage during postulated accident conditions of the projected degraded tubes was determined for each flaw type. A full operational assessment considering the flaws to be present by the Refuel 11 outage (after a full cycle of operation) will be completed within 90 days of plant restart after Refuel 10.

6.1 All Top of Tubesheet Degradation Mechanisms

For all five degradation mechanisms observed during Refuel 10 in the hot leg top of tubesheet region (axially- and circumferentially-oriented expansion transition PWSCC, axially- and circumferentially-oriented top of tubesheet OD SCC, and volumetric top of tubesheet OD IGA), it was assumed that a population of defects identical to that detected during Refuel 10 was "missed" and returned to service for Cycle 11 (i.e., a 50% probability of detection was assumed for all sizes of defects at the hot leg top of tubesheet). This assumption gives a conservative estimate of the population of defects present in the Callaway SGs immediately after Refuel 10. For each degradation mechanism, a deterministic/probabilistic analysis was performed using the following Monte Carlo approach.[18, 19, 20]

Distributions were used for each of the following parameters: "actual" defect size (i.e., reflecting measurement error), material properties, and burst and leak correlations. During each trial, the measured flaw size was converted to an "actual" flaw size using the ECT uncertainty regressions, including a randomly selected error value. The flaw was then grown for 90 days using the maximum observed growth rate during Cycle 10 for the degradation mechanism (shown above in Table 5-3) for all flaws of the defect type. This adds additional conservatism to the operational assessment. The structural integrity and predicted leakage was then evaluated at the end of the 90 day period, including randomly selected values for the tube material properties and burst and leak correlations. The process was then repeated a large number of times (i.e., 100,000 trials), and the probability of having one or more tubes burst at three times normal operating pressure and the 95th percentile total leak rate at 95% confidence were calculated.

The maximum growth rate for the average structural depth of axial OD SCC was used for the increase in depth of Volumetric OD IGA flaws, as growth rates could not be developed for depth of volumetric flaws at Refuel 10 because the Refuel 9 Plus Point ECT data was not calibrated using an ASME standard, as was done at Refuel 10.

For each of the five degradation modes, the probability of having one or more tubes not meeting the structural integrity limits is predicted to be less than 5% at 95% confidence, and there is predicted to be a 95% probability of less than 1 gpm primary-to-secondary leakage under postulated accident conditions at 95% confidence for the first 90 days of Cycle 11.

Note that the above model was developed conservatively using a 50% probability of detection for all defects at Refuel 10 and the maximum observed Cycle 10 growth rate for initial Cycle 11 operation, and therefore it is not considered to be necessary to consider the initiation of new defects during the first 90 days of Cycle 11.

6.2 AVB Wear

All AVB wear indications found in SGs A and D during Refuel 10 (the only two generators inspected by bobbin coil) were evaluated for growth since the last inspection (performed at Refuel 8) by comparing the size of the indication at Refuel 10 with its corresponding size at Refuel 8. No indications were found for the first time during Refuel 10 which had a "relatively large size" (30% tw or greater), and therefore growth rate calculations were performed only for indications found during both Refuel 10 and Refuel 8. Summary AVB wear growth rate data for Callaway from Refuel 10 are shown below in Table 6-1.[16]

Table 6-1. Growth Rate of AVB Wear Indications
Refuel 8 to Refuel 10 (Cycles 9 and 10)

Steam Generator	Number of Data Points	Mean (% tw/EFPY)	Standard Deviation (% tw/EFPY)	Maximum (% tw/EFPY)	Minimum (% tw/EFPY)
A	184	0.10	1.56	4.32	-3.93
D	205	0.17	1.77	5.10	-4.71

The largest indication left inservice after Refuel 10 was 38% tw. The structural integrity limit for AVB wear is 70.6% tw as discussed above. Based on the maximum observed growth rate of AVB wear at Refuel 10, no indication will reach the structural integrity limit during the first 90 days of Cycle 11. Therefore, it is considered that the tube structural integrity requirements will be satisfied and there will be no primary-to-secondary leakage from AVB wear indications during the first 90 days of Cycle 11.

6.3 Other Degradation Modes

The loose part (believed to be a clip ring) which caused the volumetric indications in SG D was removed during Refuel 10. In addition, bounding inspections were done in the buffer zone of tubes surrounding the loose part, and all affected tubes are believed to have been identified. Therefore, it is considered that there will be no additional such defects during Cycle 11.

The TSP wear indication found in SG A is likely the first such indication seen to date at Callaway (one wear indication was possibly observed at the hot leg flow distribution baffle in a previous inspection). The fact that it was small and not structurally significant (measured at 25% tw by bobbin coil versus an allowable size of 51.7% tw) despite the fact that the defect location had not been inspected for two operating cycles (i.e., since the last bobbin coil inspection of SG A during Refuel 8) suggests that the initiation and growth rates of this type of indications are slow and do not significantly affect steam generator operability. As a result, it is considered that structurally significant indications are not present in SGs B and C as of Refuel 10, and such indications will not occur in any of the four Callaway SGs during the first 90 days of Cycle 11.

No modes of tube degradation which have not been observed to date at Callaway (e.g., TSP IGA/SCC, cold leg thinning) are considered to have the potential of developing a structurally significant defect in the first 90 days of Cycle 11, based on the rates of degradation observed at Callaway and other similar plants.

6.4 Predicted Operational Leakage

No defects are predicted to become throughwall during the first 90 days of Cycle 11; therefore, there is no predicted operational leakage during this period.

6.5 Operational Assessment Conclusion

The projected steam generator tube degradation has been evaluated for the first 90 days of operation of Cycle 11 at Callaway. The tubes are projected to maintain the required margins to burst and are not projected to leak under postulated accident conditions. Therefore, the Callaway steam generator tubes satisfy the operational requirements for restart after Refuel 10 and for the first 90 days of operation of Cycle 11.

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11. Depth-Based Structural Analysis Methods for Steam Generator Circumferential Indications, EPRI Interim Report TR-107197-P1 and P2, Electric Power Research Institute, November 1997.

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13. DEI Calculation C-4130-00-8, "Maximum Allowable Axial ODSCC Flaw Size for Callaway Condition Monitoring at RF10," Revision 1.

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17. E-mail, Tim Pettus (AmerenUE) to John Harris (DEI), October 27, 1999.

18. DEI Calculation C-4130-00-14, "Circumferential SCC Preliminary Operational Assessment for Callaway Cycle 11," Revision 0.

19. DEI Calculation C-4130-00-15, "Axial SCC Preliminary Operational Assessment for Callaway Cycle 11," Revision 0.

20. DEI Calculation C-4130-00-16, "Volumetric OD IGA Preliminary Operational Assessment for Callaway Cycle 11," Revision 0.

ATTACHMENT 2

Listing of Steam Generator Tube Imperfections

Callaway Refuel 10 Outage

Key for Indication Listing

AV1,2,3,4,5,6 – Anti-Vibration Bars
01H, 02H, 01C, etc. – Tube support plate numbers / Cold Leg (C) , Hot Leg (H)
TSH – Tubesheet Hot Leg
TSC – Tubesheet Cold Leg
FBH – Flow Baffle Hot Leg
FBC – Flow Baffle Cold Leg
SAI – Single Axial Indication
MAI – Multiple Axial Indication
SCI – Single Circumferential Indication
MCI – Multiple Circumferential Indication
SVI – Single Volumetric Indication
MVI – Multiple Volumetric Indication
MBM – Manufacturer's Burnish Mark
DNG – Ding
DNT – Dent
TWD – Through-Wall Depth

Listing of Steam Generator Tube Imperfections

Callaway Refuel 10 Outage

Steam Generator A

10/99 RF10 - SGA
l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
1	1	7.46	179	1	DNG		TSH	+18.22	TEH	07H	560UL	54	
		2.08	185	1	DNG		FBC	+14.00	07C	TEC	560UL	4	
		7.24	179	1	DNG		TSH	+18.00	TEH	07C	560UL	57	
1	2	6.13	56	6	MBM		TSC	+13.38	07C	TEC	560UL	6	
1	11	2.80	78	6	MBM		TSC	+1.04	07C	TEC	560UL	8	
		2.95	82	6	MBM		TSC	+1.04	07H	TEC	540SF	57	
1	14	5.17	91	6	MBM		06H	+34.78	TEH	07H	560UL	54	
		6.17	88	6	MBM		06H	+34.78	TEH	07C	560UL	57	
1	19	2.53	77	6	MBM		06C	+21.51	07C	TEC	560UL	8	
		2.58	89	6	MBM		02H	+36.79	TEH	07H	560UL	54	
		2.93	79	6	MBM		02H	+36.98	TEH	07C	560UL	57	
1	20	2.36	80	6	MBM		FBH	+9.55	TEH	07H	560UL	54	
		2.59	80	6	MBM		FBH	+9.13	TEH	07C	560UL	57	
1	22	6.21	87	6	MBM		04C	+36.33	07C	TEC	560UL	8	
		5.37	89	6	MBM		06H	+38.92	TEH	07H	560UL	54	
		5.88	88	6	MBM		06H	+38.92	TEH	07C	560UL	57	
1	23	3.12	89	6	MBM		05C	+9.58	07C	TEC	560UL	8	
		3.59	88	6	MBM		03H	+15.16	TEH	07H	560UL	54	
		3.91	89	6	MBM		03H	+15.14	TEH	07C	560UL	57	
	29	3.59	86	6	MBM		02H	+36.11	TEH	07H	560UL	54	
		4.25	83	6	MBM		TSH	+16.87	TEH	07H	560UL	54	
		3.80	85	6	MBM		02H	+36.00	TEH	07C	540SF	58	
		4.11	79	6	MBM		TSH	+16.11	TEH	07C	540SF	58	
		3.86	85	6	MBM		04C	+24.64	07C	TEC	560UL	9	
		2.05	77	6	MBM		04C	+27.99	07C	TEC	560UL	9	
1	31	2.09	79	6	MBM		FBC	+12.30	07C	TEC	560UL	9	
1	33	3.55	50	6	MBM		04H	+8.51	TEH	07H	560UL	54	
		3.74	183	1	DNG		02H	+11.08	TEH	07H	560UL	54	
		2.65	76	6	MBM		05H	+25.31	TEH	07C	540SF	58	
		2.64	74	6	MBM		04H	+21.81	TEH	07C	540SF	58	
		3.05	58	6	MBM		04H	+8.90	TEH	07C	540SF	58	
		3.41	180	1	DNG		02H	+11.06	TEH	07C	540SF	58	
		3.24	78	6	MBM		FBC	+10.28	07C	TEC	560UL	9	
		2.62	83	6	MBM		FBC	+7.75	07C	TEC	560UL	9	
1	36	3.57	64	6	MBM		TSH	+21.48	TEH	07H	560UL	54	
		3.79	81	6	MBM		TSH	+8.84	TEH	07H	560UL	54	
		4.38	72	6	MBM		TSH	+21.36	TEH	07C	540SF	58	
		4.54	78	6	MBM		TSH	+8.78	TEH	07C	540SF	58	
		3.08	82	6	MBM		01C	+23.69	07C	TEC	560UL	10	
1	44	2.55	85	6	MBM		06H	+25.71	TEH	07H	560UL	54	
		3.18	83	6	MBM		06H	+23.02	TEH	07C	540SF	58	
1	52	2.73	77	6	MBM		06H	+21.51	TEH	07H	560UL	77	
1	57	3.04	79	6	MBM		02H	+36.55	TEH	07H	560UL	77	
1	67	2.48	83	6	MBM		03H	+16.08	TEH	07H	560UL	54	
		3.69	89	6	MBM		01H	+15.77	TEH	07H	560UL	54	
		3.35	86	6	MBM		03H	+16.37	TEH	07C	540SF	58	
		4.83	88	6	MBM		06C	+33.05	07C	TEC	560UL	39	
1	71	2.39	79	6	MBM		01C	+11.39	07C	TEC	560UL	38	
1	80	2.78	184	1	DNG		06H	+35.50	TEH	07H	560UL	54	

10/99 RF10 - SGA
l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
		2.47	185	1	DNG		06H	+35.50	TEH	07C	540SF	59	
1	89	12.24	179	P 1	DNT		07C	+0.45	07C	TEC	560UL	50	
		14.05	178	P 1	DNT		07H	+0.31	TEH	07H	560UL	54	
		14.05	178	P 1	DNT		07H	-0.19	TEH	07H	560UL	54	
		3.75	173	P 1	DNT		07C	-0.54	TEH	07C	540SF	60	
		14.19	176	P 1	DNT		07C	+0.50	TEH	07C	540SF	60	
		13.25	177	P 1	DNT		07H	+0.41	TEH	07C	540SF	60	
		6.40	176	P 1	DNT		07H	-0.42	TEH	07C	540SF	60	
1	93	2.96	67	6	MBM		06H	+24.56	TEH	07H	560UL	55	
		3.33	69	6	MBM		06H	+24.42	TEH	07C	540SF	60	
1	94	2.08	73	6	MBM		06C	+4.20	07C	TEC	560UL	50	
1	96	2.53	77	6	MBM		03H	+22.15	TEH	07H	560UL	55	
		2.92	84	6	MBM		03H	+22.18	TEH	07C	540SF	60	
1	99	3.84	79	6	MBM		05H	+20.44	TEH	07H	560UL	55	
		4.11	83	6	MBM		05H	+20.48	TEH	07C	540SF	60	
		5.14	74	6	MBM		03C	+36.30	07C	TEC	560UL	51	
1	102	2.02	83	6	MBM		05H	+12.04	TEH	07H	560UL	55	
		2.99	84	6	MBM		05H	+7.18	TEH	07H	560UL	55	
		2.40	82	6	MBM		05H	+3.88	TEH	07H	560UL	55	
		2.47	81	6	MBM		05H	+2.44	TEH	07H	560UL	55	
		2.74	79	6	MBM		05H	+2.54	TEH	07C	540SF	60	
		2.67	82	6	MBM		05H	+3.88	TEH	07C	540SF	60	
		3.36	87	6	MBM		05H	+7.19	TEH	07C	540SF	60	
		2.00	85	6	MBM		05H	+12.08	TEH	07C	540SF	60	
1	105	2.04	67	6	MBM		05H	+15.85	TEH	07H	560UL	55	
		2.20	72	6	MBM		05H	+15.85	TEH	07C	540SF	60	
1	106	2.28	65	6	MBM		02C	+35.27	07C	TEC	560UL	52	
		2.87	52	6	MBM		04C	+2.42	07C	TEC	560UL	52	
1	112	3.66	78	6	MBM		FBH	+7.54	TEH	07H	560UL	55	
		4.37	77	6	MBM		FBH	+7.55	TEH	07C	540SF	60	
1	114	2.40	55	6	MBM		04C	+10.91	07C	TEC	560UL	45	
		14.46	179	1	DNG		TSC	+18.28	07C	TEC	560UL	45	
1	115	4.24	89	6	MBM		04C	+25.29	07C	TEC	560UL	45	
		4.68	88	6	MBM		04C	+25.29	07H	TEC	540SF	57	
		2.46	85	6	MBM		04H	+8.36	TEH	07H	560UL	77	
1	116	2.66	175	P 1	DNT		04H	+0.60	TEH	07H	560UL	77	
		2.72	172	P 1	DNT		04H	-0.39	TEH	07H	560UL	77	
1	117	4.00	178	P 1	DNT		04H	+0.60	TEH	07H	560UL	77	
		4.41	176	P 1	DNT		04H	-0.35	TEH	07H	560UL	77	
1	118	5.74	175	P 1	DNT		04H	+0.62	TEH	07H	560UL	77	
		5.11	172	P 1	DNT		04H	-0.33	TEH	07H	560UL	77	
1	119	4.57	176	P 1	DNT		04H	+0.62	TEH	07H	560UL	77	
		6.52	172	P 1	DNT		04H	-0.28	TEH	07H	560UL	77	
		4.25	87	6	MBM		02H	+6.22	TEH	07H	560UL	77	
		3.11	84	6	MBM		FBH	+7.93	TEH	07H	560UL	77	
	120	6.53	178	P 1	DNT		04H	+0.67	TEH	07H	560UL	77	
		4.98	174	P 1	DNT		04H	-0.33	TEH	07H	560UL	77	
1	121	4.98	176	P 1	DNT		04H	+0.71	TEH	07H	560UL	77	
		5.33	173	P 1	DNT		04H	-0.28	TEH	07H	560UL	77	
1	122	5.70	44	6	MBM		TSC	+13.93	07C	TEC	560UL	45	

10/99 RF10 - SGA
1 Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
		5.69	45	6	MBM		TSC	+13.93	07H	TSC	540SF	57	
		6.34	176	P 1	DNT		04H	+0.64	TEH	07H	560UL	77	
		4.53	173	P 1	DNT		04H	-0.28	TEH	07H	560UL	77	
2	5	2.14	87	6	MBM		FBC	+9.88	07C	TEC	560UL	5	
2	15	2.43	81	6	MBM		04C	+29.99	07C	TEC	560UL	7	
		2.07	84	6	MBM		04C	+32.63	07C	TEC	560UL	7	
2	19	3.63	79	6	MBM		01C	+17.80	07C	TEC	560UL	7	
2	21	5.22	76	6	MBM		01C	+29.37	07C	TEC	560UL	7	
2	22	2.18	70	6	MBM		06H	+10.68	TEH	07H	560UL	54	
		2.59	73	6	MBM		06H	+10.70	TEH	07C	560UL	57	
2	23	2.24	97	6	MBM		06H	+27.78	TEH	07H	560UL	54	
		3.29	81	6	MBM		06H	+27.21	TEH	07C	560UL	57	
2	26	2.37	80	6	MBM		TSH	+12.48	TEH	07H	560UL	54	
		3.10	76	6	MBM		TSH	+12.46	TEH	07C	540SF	58	
2	28	3.75	82	6	MBM		06H	+27.82	TEH	07H	560UL	54	
		3.93	79	6	MBM		06H	+19.13	TEH	07H	560UL	54	
		4.81	85	6	MBM		06H	+27.58	TEH	07C	540SF	58	
		5.05	77	6	MBM		06H	+18.93	TEH	07C	540SF	58	
2	39	2.12	74	6	MBM		01H	+28.13	TEH	07H	560UL	54	
		2.39	69	6	MBM		01H	+27.88	TEH	07C	540SF	58	
	46	2.19	184	P 1	DNT		01H	+0.72	TEH	07H	560UL	77	
2	47	3.99	87	6	MBM		06H	+17.87	TEH	07C	540SF	58	
		3.75	85	6	MBM		06H	+28.85	TEH	07C	540SF	58	
		4.30	78	6	MBM		06H	+29.42	TEH	07H	560UL	77	
		4.53	87	6	MBM		06H	+18.11	TEH	07H	560UL	77	
2	53	2.96	181	1	DNG		TSH	+32.14	TEH	07H	560UL	77	
2	58	3.08	182	1	DNG		07H	+0.77	07H	TEC	540SF	57	
2	63	2.70	61	6	MBM		02H	+13.87	TEH	07H	560UL	54	
		2.67	64	6	MBM		02H	+13.80	TEH	07C	540SF	58	
2	64	2.19	84	6	MBM		02H	+38.41	TEH	07H	560UL	54	
		1.96	94	6	MBM		02H	+38.22	TEH	07C	540SF	58	
2	65	2.60	85	6	MBM		04C	+35.65	07C	TEC	560UL	39	
2	66	4.84	82	6	MBM		03C	+9.39	07C	TEC	560UL	39	
2	68	2.23	82	6	MBM		05H	+33.80	TEH	07H	560UL	54	
		2.57	80	6	MBM		05H	+33.90	TEH	07C	540SF	58	
2	72	2.12	79	6	MBM		TSH	+17.85	TEH	07H	560UL	54	
		3.31	69	6	MBM		TSH	+17.83	TEH	07C	540SF	58	
2	78	3.98	81	6	MBM		01H	+4.53	TEH	07H	560UL	54	
		4.40	78	6	MBM		01H	+4.53	TEH	07C	540SF	59	
2	81	4.23	178	1	DNG		07H	+5.31	TEH	07C	540SF	59	
2	82	2.12	84	6	MBM		05H	+6.26	TEH	07H	560UL	54	
		2.73	80	6	MBM		05H	+6.27	TEH	07C	540SF	59	
2	83	3.36	74	6	MBM		02H	+16.49	TEH	07H	560UL	54	
		3.56	72	6	MBM		02H	+16.38	TEH	07C	540SF	59	
2	92	3.31	72	6	MBM		05C	+37.55	07C	TEC	560UL	49	
		2.34	79	6	MBM		02H	+21.93	TEH	07H	560UL	55	
		2.59	72	6	MBM		02H	+22.10	TEH	07C	540SF	60	
2	94	2.90	67	6	MBM		01C	+23.37	07C	TEC	560UL	49	
2	97	4.59	86	6	MBM		06H	+10.11	TEH	07H	560UL	55	
		3.14	80	6	MBM		06H	+4.03	TEH	07H	560UL	55	

10/99 RF10 - SGA
l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
		6.05	86	6	MBM		05H	+31.46	TEH	07H	560UL	55	
		5.11	88	6	MBM		06H	+10.15	TEH	07C	540SF	60	
		3.66	80	6	MBM		06H	+4.19	TEH	07C	540SF	60	
		6.98	86	6	MBM		05H	+31.52	TEH	07C	540SF	60	
2	101	2.65	175	1	DNG		07C	+0.68	TEH	07C	540SF	60	
2	107	2.41	79	6	MBM		01H	+27.50	TEH	07H	560UL	55	
		2.12	188	1	DNG		05H	+38.81	TEH	07H	560UL	55	
		2.50	187	1	DNG		05H	+38.78	TEH	07C	540SF	60	
		2.58	81	6	MBM		01H	+27.56	TEH	07C	540SF	60	
2	109	2.76	82	6	MBM		05H	+28.53	TEH	07H	560UL	55	
		2.83	80	6	MBM		05H	+28.53	TEH	07C	540SF	60	
2	112	3.80	180	1	DNG		07H	+4.92	TEH	07C	540SF	60	
2	114	2.39	74	6	MBM		02C	+6.25	07C	TEC	560UL	44	
2	116	4.01	176	P 1	DNT		04H	+0.60	TEH	07H	560UL	77	
2	117	2.73	176	P 1	DNT		04H	+0.64	TEH	07H	560UL	77	
		5.27	173	P 1	DNT		04H	-0.37	TEH	07H	560UL	77	
2	118	4.29	175	P 1	DNT		04H	+0.62	TEH	07H	560UL	77	
		6.70	173	P 1	DNT		04H	-0.33	TEH	07H	560UL	77	
2	119	4.31	174	P 1	DNT		04H	+0.62	TEH	07H	560UL	77	
		5.31	171	P 1	DNT		04H	-0.35	TEH	07H	560UL	77	
	120	5.65	177	P 1	DNT		04H	+0.63	TEH	07H	560UL	77	
		4.82	174	P 1	DNT		04H	-0.28	TEH	07H	560UL	77	
2	121	4.68	175	P 1	DNT		04H	+0.69	TEH	07H	560UL	77	
		6.35	173	P 1	DNT		04H	-0.29	TEH	07H	560UL	77	
2	122	4.78	177	P 1	DNT		04H	+0.68	TEH	07H	560UL	77	
		5.59	174	P 1	DNT		04H	-0.28	TEH	07H	560UL	77	
3	2	2.72	88	6	MBM		06H	+13.34	TEH	06H	560UL	54	
		2.22	83	6	MBM		06H	+13.96	TEH	07C	560UL	57	
		2.97	88	6	MBM		06H	+13.72	TEH	07H	560UL	61	
		2.14	81	6	MBM		06H	+11.10	TEH	07H	560UL	61	
3	3	2.13	189	1	DNG		05C	+35.72	07C	TEC	560UL	6	
3	7	4.50	83	6	MBM		05C	+15.15	07C	TEC	560UL	6	
3	12	2.64	82	6	MBM		06C	+18.55	07C	TEC	560UL	7	
3	15	2.15	86	6	MBM		01H	+15.93	TEH	07H	560UL	54	
		2.89	88	6	MBM		01H	+15.70	TEH	07C	560UL	57	
3	17	3.42	81	6	MBM		01H	+32.65	TEH	07H	560UL	54	
		4.10	76	6	MBM		01H	+32.65	TEH	07C	560UL	57	
3	27	3.15	85	6	MBM		05H	+27.78	TEH	07H	560UL	54	
		2.74	88	6	MBM		05H	+17.35	TEH	07H	560UL	54	
		2.29	88	6	MBM		05H	+14.34	TEH	07H	560UL	54	
		3.43	86	6	MBM		05H	+28.20	TEH	07C	540SF	58	
3	32	5.84	183	1	DNG		TSH	+2.04	TEH	07H	560UL	54	
		4.89	179	1	DNG		TSH	+2.01	TEH	07C	540SF	58	
3	37	2.59	72	6	MBM		03H	+28.47	TEH	07H	560UL	54	
3	38	3.46	89	6	MBM		03H	+23.01	TEH	07H	560UL	54	
		6.20	79	6	MBM		TSH	+1.75	TEH	07H	560UL	54	
		3.53	88	6	MBM		03H	+22.90	TEH	07C	540SF	58	
		2.60	74	6	MBM		TSH	+2.94	TEH	07C	540SF	58	
		7.70	79	6	MBM		TSH	+1.65	TEH	07C	540SF	58	
		3.10	86	6	MBM		02C	+15.75	07C	TEC	560UL	9	

10/99 RF10 - SGA
1 Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
3	45	2.27	84	6	MBM		03C	+36.77	07C	TEC	560UL	12	
		2.00	73	6	MBM		03C	+22.40	07C	TEC	560UL	12	
3	48	2.96	184	1	DNG		TSH	+27.84	TEH	07H	560UL	77	
3	50	2.86	86	6	MBM		06C	+3.41	07C	TEC	560UL	54	
		3.87	83	6	MBM		TSC	+34.58	07C	TEC	560UL	54	
		2.85	79	6	MBM		06C	+3.41	07H	TEC	540SF	57	
		4.06	79	6	MBM		TSC	+34.58	07H	TEC	540SF	57	
3	53	2.45	78	6	MBM		01C	+4.99	07C	TEC	560UL	54	
		1.99	74	6	MBM		01C	+4.99	07H	TEC	540SF	57	
3	54	3.43	87	6	MBM		06C	+32.60	07H	TEC	540SF	57	
		3.41	88	6	MBM		06C	+32.60	07C	TEC	560UL	53	
3	64	3.16	93	6	MBM		02H	+14.64	TEH	07H	560UL	54	
		3.27	90	6	MBM		02H	+14.63	TEH	07C	540SF	58	
3	66	2.65	79	6	MBM		04C	+31.92	07C	TEC	560UL	39	
3	74	2.81	73	6	MBM		06H	+33.76	TEH	07H	560UL	54	
		2.95	79	6	MBM		06H	+33.76	TEH	07C	540SF	59	
3	77	3.45	85	6	MBM		03H	+37.10	TEH	07H	560UL	54	
		4.15	84	6	MBM		03H	+37.11	TEH	07C	540SF	59	
3	79	7.62	179	1	DNG		03C	+12.64	07C	TEC	560UL	46	
		2.00	173	1	DNG		03C	+11.45	07C	TEC	560UL	46	
	83	3.86	51	6	MBM		03C	+28.48	07C	TEC	560UL	49	
		2.46	183	1	DNG		05H	+31.83	TEH	07H	560UL	54	
		3.11	183	1	DNG		05H	+31.90	TEH	07C	540SF	60	
3	86	2.54	88	6	MBM		06H	+29.03	TEH	07H	560UL	54	
		2.24	85	6	MBM		05H	+36.77	TEH	07H	560UL	54	
		3.17	85	6	MBM		06H	+30.01	TEH	07C	540SF	60	
		2.48	91	6	MBM		05H	+36.63	TEH	07C	540SF	60	
3	89	2.95	85	6	MBM		01C	+37.68	07C	TEC	560UL	49	
3	92	2.77	84	6	MBM		05C	+13.67	06C	TEC	560UL	50	
		2.90	85	6	MBM		05C	+13.72	07C	TEC	560UL	60	
3	94	2.54	81	6	MBM		TSH	+15.57	TEH	07H	560UL	55	
		2.44	84	6	MBM		06H	+7.21	TEH	07C	540SF	60	
		2.99	78	6	MBM		TSH	+15.44	TEH	07C	540SF	60	
3	99	10.24	78	6	MBM		03C	+5.22	07C	TEC	560UL	51	
3	100	4.17	49	6	MBM		04C	+3.62	07C	TEC	560UL	51	
		3.55	183	1	DNG		01C	+2.65	07C	TEC	560UL	51	
3	101	3.10	181	1	DNG		05H	+0.96	TEH	07H	560UL	55	
		3.08	183	1	DNG		05H	+0.96	TEH	07C	540SF	60	
		5.53	181	1	DNG		04C	+3.00	07C	TEC	560UL	51	
		2.93	48	6	MBM		02C	+3.36	07C	TEC	560UL	51	
3	103	2.32	89	6	MBM		TSH	+18.69	TEH	07H	560UL	55	
		2.45	79	6	MBM		TSH	+18.69	TEH	07C	540SF	60	
3	105	2.52	48	6	MBM		04C	+28.05	07C	TEC	560UL	51	
3	110	4.75	71	6	MBM		03H	+1.20	TEH	07H	560UL	55	
		5.22	70	6	MBM		03H	+1.18	TEH	07C	540SF	60	
	115	4.65	86	6	MBM		05H	+20.45	TEH	07H	560UL	77	
	116	2.23	181	P 1	DNT		03H	-0.68	TEH	07H	560UL	77	
3	118	3.07	172	P 1	DNT		04H	+0.62	TEH	07H	560UL	77	
		3.14	168	P 1	DNT		04H	-0.35	TEH	07H	560UL	77	
3	119	4.30	174	P 1	DNT		04H	+0.62	TEH	07H	560UL	77	

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1 Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
3	120	4.08	176	P 1	DNT		04H	+0.64	TEH	07H	560UL	77	
		3.33	172	P 1	DNT		04H	-0.26	TEH	07H	560UL	77	
3	121	2.20	173	P 1	DNT		04H	+0.67	TEH	07H	560UL	77	
		2.22	168	P 1	DNT		04H	-0.26	TEH	07H	560UL	77	
3	122	4.45	176	P 1	DNT		04H	+0.66	TEH	07H	560UL	77	
		5.40	172	P 1	DNT		04H	-0.31	TEH	07H	560UL	77	
4	4	2.34	83	6	MBM		05C	+32.14	TEH	TEC	560UL	6	
		3.09	81	6	MBM		06C	+6.34	TEH	TEC	560UL	6	
		2.91	78	6	MBM		06C	+2.92	TEH	TEC	560UL	6	
		3.01	85	6	MBM		05C	+23.93	TEH	TEC	560UL	6	
4	12	2.62	90	6	MBM		01H	+10.03	TEH	TEC	560UL	8	
4	13	2.10	88	6	MBM		06C	+12.13	TEH	TEC	560UL	7	
		3.49	86	6	MBM		01C	+3.38	TEH	TEC	560UL	7	
4	14	2.51	82	6	MBM		06H	+30.55	TEH	TEC	560UL	8	
4	17	4.57	180	1	DNG		07H	+5.04	TEH	TEC	560UL	7	
		2.03	187	P 1	DNT		06C	+0.64	TEH	TEC	560UL	7	
4	20	6.87	182	1	DNG		06H	+9.63	TEH	TEC	560UL	7	
4	38	2.80	86	6	MBM		01C	+18.02	TEH	TEC	560UL	10	
4	43	2.40	74	6	MBM		04C	+29.75	TEH	TEC	560UL	12	
		2.49	71	6	MBM		04C	+11.05	TEH	TEC	560UL	12	
		2.53	88	6	MBM		04C	+4.87	TEH	TEC	560UL	12	
		3.07	74	6	MBM		01C	+8.60	TEH	TEC	560UL	12	
4	46	2.16	84	6	MBM		06C	+18.85	TEH	TEC	560UL	54	
4	48	4.89	84	6	MBM		TSH	+17.67	TEH	TEC	560UL	54	
4	49	2.38	82	6	MBM		TSC	+11.17	TEH	TEC	560UL	53	
4	58	4.90	76	6	MBM		04H	+22.70	TEH	TEC	560UL	53	
4	59	6.63	87	6	MBM		05H	+36.49	TEH	TEC	560UL	54	
4	61	2.66	78	6	MBM		06H	+20.80	TEH	TEC	560UL	39	
4	62	5.05	176	1	DNG		07H	+12.31	TEH	TEC	560UL	39	
		5.47	176	1	DNG		07H	+6.08	TEH	TEC	560UL	39	
4	70	2.21	77	6	MBM		05H	+38.06	TEH	TEC	560UL	38	
4	71	3.83	80	6	MBM		05H	+32.15	TEH	TEC	560UL	38	
		3.91	84	6	MBM		06H	+8.35	TEH	TEC	560UL	38	
4	72	3.23	89	6	MBM		TSH	+23.64	TEH	TEC	560UL	38	
		2.28	88	6	MBM		05C	+28.00	TEH	TEC	560UL	38	
4	75	3.06	82	6	MBM		05H	+29.02	TEH	TEC	560UL	38	
		2.67	87	6	MBM		06H	+24.73	TEH	TEC	560UL	38	
4	76	2.94	86	6	MBM		06H	+10.39	TEH	TEC	560UL	38	
		5.04	83	6	MBM		04C	+23.44	TEH	TEC	560UL	38	
4	77	2.03	78	6	MBM		TSC	+32.76	TEH	TEC	560UL	47	
4	78	4.85	85	6	MBM		06H	+5.04	TEH	TEC	560UL	47	
		2.02	78	6	MBM		06H	+6.74	TEH	TEC	560UL	47	
		2.11	85	6	MBM		06H	+21.12	TEH	TEC	560UL	47	
4	79	2.39	185	1	DNG		01C	+6.54	TEH	TEC	560UL	47	
4	87	2.98	71	6	MBM		TSC	+16.16	TEH	TEC	560UL	50	
	91	2.03	183	1	DNG		02H	+33.96	TEH	TEC	560UL	50	
	95	3.20	80	6	MBM		03H	+36.29	TEH	TEC	560UL	51	
4	99	2.40	84	6	MBM		03H	+11.54	TEH	TEC	560UL	51	
4	100	5.15	182	1	DNG		TSH	+2.72	TEH	TEC	560UL	51	
4	103	4.48	183	1	DNG		07H	+11.20	TEH	TEC	560UL	51	

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l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
4	106	6.06	80	6	MBM		07H	+10.44	TEH	TEC	560UL	51	
		3.00	73	6	MBM		TSH	+10.29	TEH	TEC	560UL	51	
4	111	2.23	186	1	DNG		FBH	+3.07	TEH	TEC	560UL	47	
4	114	2.15	185	1	DNG		01H	+25.79	TEH	TEC	560UL	44	
		2.13	80	6	MBM		02H	+1.90	TEH	TEC	560UL	44	
4	117	2.38	172	P 1	DNT		04H	+0.65	TEH	TEC	560UL	44	
4	118	4.68	176	P 1	DNT		04H	+0.59	TEH	TEC	560UL	44	
4	119	2.33	173	P 1	DNT		04H	-0.28	TEH	TEC	560UL	44	
		3.27	172	P 1	DNT		04H	+0.70	TEH	TEC	560UL	44	
4	120	2.95	176	P 1	DNT		04H	-0.24	TEH	TEC	560UL	44	
		3.18	176	P 1	DNT		04H	+0.74	TEH	TEC	560UL	44	
4	121	4.07	177	P 1	DNT		04H	-0.26	TEH	TEC	560UL	44	
		3.55	176	P 1	DNT		04H	+0.71	TEH	TEC	560UL	44	
4	122	3.45	176	P 1	DNT		04H	-0.22	TEH	TEC	560UL	45	
		2.80	174	P 1	DNT		04H	+0.67	TEH	TEC	560UL	45	
5	3	5.06	85	6	MBM		06C	+24.09	TEH	TEC	560UL	6	
		4.15	80	6	MBM		06C	+22.08	TEH	TEC	560UL	6	
		5.54	80	6	MBM		06C	+3.39	TEH	TEC	560UL	6	
		2.65	76	6	MBM		06C	+1.19	TEH	TEC	560UL	6	
		3.11	85	6	MBM		02C	+10.24	TEH	TEC	560UL	6	
		3.83	85	6	MBM		06C	+28.11	TEH	TEC	560UL	6	
5	7	14.06	178	P 1	DNT		07C	+0.06	TEH	TEC	560UL	6	
5	25	2.88	185	1	DNG		01H	+1.59	TEH	TEC	560UL	7	
5	26	4.00	90	6	MBM		01C	+37.69	TEH	TEC	560UL	7	
		2.22	172	P 1	DNT		07C	+0.51	TEH	TEC	560UL	7	
5	27	2.10	181	P 1	DNT		07C	+0.32	TEH	TEC	560UL	7	
5	35	3.98	183	1	DNG		01H	+1.85	TEH	TEC	560UL	9	
5	36	2.74	182	1	DNG		TSH	+2.27	TEH	TEC	560UL	9	
5	37	3.36	34	6	MBM		03C	+0.79	TEH	TEC	560UL	9	
5	45	10.47	90	6	MBM		05C	+9.60	TEH	TEC	560UL	12	
5	49	3.56	88	6	MBM		05H	+6.67	TEH	TEC	560UL	54	
5	52	5.62	75	6	MBM		02H	+29.37	TEH	TEC	560UL	53	
5	69	3.24	90	6	MBM		03C	+18.82	TEH	TEC	560UL	38	
5	73	3.60	82	6	MBM		06H	+21.75	TEH	TEC	560UL	38	
5	76	2.37	86	6	MBM		06H	+34.78	TEH	TEC	560UL	38	
5	88	2.90	85	6	MBM		05H	+34.18	TEH	TEC	560UL	50	
		4.59	84	6	MBM		06H	+20.65	TEH	TEC	560UL	50	
		2.62	78	6	MBM		06H	+33.84	TEH	TEC	560UL	50	
		5.10	83	6	MBM		06H	+37.13	TEH	TEC	560UL	50	
		2.17	80	6	MBM		03C	+5.43	TEH	TEC	560UL	50	
5	92	2.22	70	6	MBM		04C	+24.95	TEH	TEC	560UL	50	
5	95	2.96	75	6	MBM		01H	+7.71	TEH	TEC	560UL	51	
5	105	2.64	89	6	MBM		05H	+33.69	TEH	TEC	560UL	51	
		4.27	84	6	MBM		04C	+33.73	TEH	TEC	560UL	51	
5	111	2.88	181	1	DNG		07H	+16.44	TEH	TEC	560UL	47	
	114	2.38	183	1	DNG		02H	+16.07	TEH	TEC	560UL	45	
		2.64	184	1	DNG		02H	+17.06	TEH	TEC	560UL	45	
5	116	4.73	78	6	MBM		06H	+7.71	TEH	TEC	560UL	45	
		2.17	79	6	MBM		06H	+9.53	TEH	TEC	560UL	45	
		2.88	85	6	MBM		06H	+12.72	TEH	TEC	560UL	45	

10/99 RF10 - SGA
l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
5	117	4.13	76	6	MBM		01C	+31.88	TEH	TEC	560UL	45	
5	118	3.04	76	6	MBM		01C	+23.03	TEH	TEC	560UL	45	
5	119	3.12	176	P 1	DNT		04H	+0.69	TEH	TEC	560UL	45	
		4.59	178	1	DNG		AV1	+1.29	TEH	TEC	560UL	45	
5	120	3.25	179	P 1	DNT		04H	-0.27	TEH	TEC	560UL	45	
		4.51	178	P 1	DNT		04H	+0.70	TEH	TEC	560UL	45	
5	121	3.69	175	P 1	DNT		04H	-0.27	TEH	TEC	560UL	45	
		4.36	175	P 1	DNT		04H	+0.70	TEH	TEC	560UL	45	
5	122	4.67	178	P 1	DNT		04H	-0.30	TEH	TEC	560UL	44	
		6.16	179	P 1	DNT		04H	+0.68	TEH	TEC	560UL	44	
6	1	2.42	76	6	MBM		06C	+23.81	TEH	TEC	560UL	5	
6	3	2.07	88	6	MBM		03H	+6.47	TEH	TEC	560UL	5	
6	7	2.12	182	1	DNG		FBH	+0.87	TEH	TEC	560UL	5	
6	8	3.73	185	1	DNG		AV6	+1.34	TEH	TEC	560UL	5	
6	9	3.41	185	1	DNG		07H	+26.03	TEH	TEC	560UL	5	
6	12	3.18	185	P 1	DNT		07C	+0.02	TEH	TEC	560UL	8	
		6.25	186	1	DNG		07H	+25.92	TEH	TEC	560UL	8	
6	18	3.11	81	6	MBM		TSC	+9.27	TEH	TEC	560UL	8	
6	20	2.86	85	6	MBM		01H	+18.24	TEH	TEC	560UL	7	
	31	2.15	80	6	MBM		FBC	+10.86	TEH	TEC	560UL	10	
	52	5.14	185	1	DNG		03H	+15.86	TEH	TEC	560UL	54	
		2.94	187	1	DNG		TSC	+35.90	TEH	TEC	560UL	54	
6	68	3.31	79	6	MBM		TSH	+35.94	TEH	TEC	560UL	39	
		4.90	76	6	MBM		TSC	+22.92	TEH	TEC	560UL	39	
6	69	2.09	84	6	MBM		TSH	+27.11	TEH	TEC	560UL	38	
		2.88	89	6	MBM		01H	+15.11	TEH	TEC	560UL	38	
		3.23	76	6	MBM		03H	+16.95	TEH	TEC	560UL	38	
		4.60	73	6	MBM		03H	+27.22	TEH	TEC	560UL	38	
		2.53	85	6	MBM		03H	+29.78	TEH	TEC	560UL	38	
		2.87	77	6	MBM		04H	+4.31	TEH	TEC	560UL	38	
		2.88	89	6	MBM		06C	+33.18	TEH	TEC	560UL	38	
6	87	2.87	182	P 1	DNT		07H	+0.10	TEH	TEC	560UL	50	
		2.07	183	1	DNG		06H	+4.76	TEH	TEC	560UL	50	
6	89	2.75	45	6	MBM		07H	+14.56	TEH	TEC	560UL	50	
6	95	2.71	178	1	DNG		07C	+1.03	TEH	TEC	560UL	50	
6	96	5.31	181	1	DNG		06C	+25.60	TEH	TEC	560UL	52	
6	97	3.96	42	6	MBM		06H	+29.31	TEH	TEC	560UL	52	
		5.26	181	1	DNG		06C	+29.22	TEH	TEC	560UL	52	
		3.85	180	1	DNG		06C	+24.81	TEH	TEC	560UL	52	
6	103	2.81	86	6	MBM		03C	+6.12	TEH	TEC	560UL	52	
6	112	3.10	74	6	MBM		01C	+12.43	TEH	TEC	560UL	47	
		4.37	64	6	MBM		TSC	+13.80	TEH	TEC	560UL	47	
6	116	2.50	86	6	MBM		TSH	+2.88	TEH	TEC	560UL	44	
		2.36	87	6	MBM		04C	+33.97	TEH	TEC	560UL	44	
		2.39	77	6	MBM		TSC	+5.42	TEH	TEC	560UL	44	
	119	2.53	173	P 1	DNT		04H	+0.68	TEH	TEC	560UL	44	
	120	3.52	178	P 1	DNT		04H	-0.29	TEH	TEC	560UL	44	
		3.89	180	P 1	DNT		04H	+0.68	TEH	TEC	560UL	44	
6	121	3.97	178	P 1	DNT		04H	-0.27	TEH	TEC	560UL	44	
		5.12	178	P 1	DNT		04H	+0.74	TEH	TEC	560UL	44	

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l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION			EXT	EXT	PROBE	CAL#	COMMENT1
6	122	2.59	176	P 1	DNT		04H	+0.61		TEH	TEC	560UL	45	
7	5	6.00	78	6	MBM		02H	+29.73		TEH	TEC	560UL	6	
7	6	2.67	68	6	MBM		06H	+20.39		TEH	TEC	560UL	6	
		4.63	74	6	MBM		06H	+10.85		TEH	TEC	560UL	6	
		2.24	68	6	MBM		06H	+14.78		TEH	TEC	560UL	6	
		2.45	73	6	MBM		FBC	+12.17		TEH	TEC	560UL	6	
7	7	2.28	79	6	MBM		02H	+17.78		TEH	TEC	560UL	6	
7	13	2.39	86	6	MBM		04C	+13.92		TEH	TEC	560UL	8	
7	14	2.02	182	1	DNG		07H	+9.16		TEH	TEC	560UL	7	
		4.44	181	1	DNG		07H	+28.20		TEH	TEC	560UL	7	
		2.55	180	1	DNG		07H	+27.16		TEH	TEC	560UL	7	
7	20	2.19	86	6	MBM		01C	+27.07		TEH	TEC	560UL	8	
7	22	3.16	81	6	MBM		06H	+11.91		TEH	TEC	560UL	8	
7	23	3.87	85	6	MBM		01H	+23.38		TEH	TEC	560UL	8	
		4.58	85	6	MBM		06C	+18.76		TEH	TEC	560UL	8	
7	24	3.39	84	6	MBM		06H	+1.71		TEH	TEC	560UL	8	
7	29	2.68	83	6	MBM		06C	+16.65	TO+26.4	TEH	TEC	560UL	9	
		4.29	80	6	MBM		02C	+26.46		TEH	TEC	560UL	9	
7	31	3.98	79	6	MBM		02C	+19.45		TEH	TEC	560UL	9	
	35	2.41	81	6	MBM		FBH	+6.96		TEH	TEC	560UL	9	
	45	4.39	184	1	DNG		02C	+19.01		TEH	TEC	560UL	12	
7	51	3.90	83	6	MBM		TSH	+26.50		TEH	TEC	560UL	54	
		2.45	80	6	MBM		06C	+25.35		TEH	TEC	560UL	54	
		2.14	73	6	MBM		06C	+18.49		TEH	TEC	560UL	54	
		3.68	76	6	MBM		06C	+15.34		TEH	TEC	560UL	54	
7	56	2.36	82	6	MBM		03C	+17.03		TEH	TEC	560UL	53	
7	57	3.51	86	6	MBM		05C	+2.12		TEH	TEC	560UL	54	
7	59	3.04	181	P 1	DNT		02C	-0.14		TEH	TEC	560UL	53	
7	60	2.40	88	6	MBM		05H	+8.56		TEH	TEC	560UL	55	
7	63	2.08	57	6	MBM		02C	+1.78		TEH	TEC	560UL	39	
7	71	4.17	85	6	MBM		02H	+23.12		TEH	TEC	560UL	4	
7	80	4.45	176	1	DNG		07H	+4.60		TEH	TEC	560UL	47	
7	89	2.90	74	6	MBM		04H	+9.28		TEH	TEC	560UL	49	
7	92	6.36	179	1	DNG		06H	+15.69		TEH	TEC	560UL	50	
		16.01	180	1	DNG		06H	+16.81		TEH	TEC	560UL	50	
		2.04	182	1	DNG		06H	+20.85		TEH	TEC	560UL	50	
		15.08	179	1	DNG		06C	+16.67		TEH	TEC	560UL	50	
		6.30	183	1	DNG		06C	+15.54		TEH	TEC	560UL	50	
7	95	3.09	183	1	DNG		05H	+9.15		TEH	TEC	560UL	49	
7	97	2.66	85	6	MBM		06H	+17.04		TEH	TEC	560UL	51	
		2.23	62	6	MBM		02C	+22.85		TEH	TEC	560UL	51	
7	98	2.76	74	6	MBM		06H	+12.28		TEH	TEC	560UL	51	
		2.32	172	1	DNG		06H	+18.95		TEH	TEC	560UL	51	
		2.18	174	1	DNG		06H	+25.36		TEH	TEC	560UL	51	
7	100	2.09	73	6	MBM		05H	+33.32		TEH	TEC	560UL	52	
	104	5.67	86	6	MBM		06C	+9.24		TEH	TEC	560UL	52	
		2.60	87	6	MBM		06H	+18.24		TEH	TEC	560UL	52	
7	105	2.63	80	6	MBM		06H	+14.57		TEH	TEC	560UL	51	
		2.30	67	6	MBM		05C	+17.19		TEH	TEC	560UL	51	
		2.24	62	6	MBM		04C	+14.91		TEH	TEC	560UL	51	

10/99 RF10 - SGA
l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
		2.59	48	6	MBM		03C	+36.19	TEH	TEC	560UL	51	
		3.19	186	1	DNG		01C	+24.93	TEH	TEC	560UL	51	
		3.63	83	6	MBM		01C	+25.14	TEH	TEC	560UL	51	
7	112	5.30	180	1	DNG		07H	+9.17	TEH	TEC	560UL	46	
7	113	5.18	185	1	DNG		01H	+20.06	TEH	TEC	560UL	45	
7	117	3.57	180	1	DNG		07H	+10.52	TEH	TEC	560UL	45	
		2.41	180	1	DNG		07H	+10.91	TEH	TEC	560UL	45	
		2.48	180	1	DNG		07H	+23.23	TEH	TEC	560UL	45	
		2.58	73	6	MBM		01H	+37.77	TEH	TEC	560UL	45	
		3.08	180	1	DNG		07H	+17.05	TEH	TEC	560UL	45	
		2.13	182	1	DNG		07H	+17.48	TEH	TEC	560UL	45	
7	121	2.91	81	6	MBM		02C	+31.23	TEH	TEC	560UL	45	
		2.09	72	6	MBM		02C	+27.28	TEH	TEC	560UL	45	
7	122	2.32	172	P 1	DNT		04H	+0.86	TEH	TEC	560UL	44	
8	6	2.86	80	6	MBM		02H	+30.21 TO+33.2	TEH	TEC	560UL	5	
8	16	2.23	169	P 1	DNT		07C	-0.21	TEH	TEC	560UL	8	
8	23	4.53	78	6	MBM		06C	+33.72	TEH	TEC	560UL	7	
8	24	5.02	84	6	MBM		04C	+28.50	TEH	TEC	560UL	7	
8	32	4.31	85	6	MBM		06C	+15.03	TEH	TEC	560UL	10	
	33	2.49	185	1	DNG		06H	+30.64	TEH	TEC	560UL	10	
	34	2.81	81	6	MBM		07H	+8.71	TEH	TEC	560UL	10	
8	35	2.29	68	6	MBM		04C	+7.56	TEH	TEC	560UL	10	
8	51	3.39	80	6	MBM		03C	+29.91	TEH	TEC	560UL	53	
8	66	2.84	87	6	MBM		TSC	+4.85	TEH	TEC	560UL	4	
		2.53	82	6	MBM		05H	+32.76	TEH	TEC	560UL	4	
8	73	10.60	75	6	MBM		04C	+20.12	TEH	TEC	560UL	38	
8	74	3.36	76	6	MBM		02C	+7.52	TEH	TEC	560UL	4	
8	75	2.22	78	6	MBM		02C	+12.12	TEH	TEC	560UL	38	
8	76	3.59	80	6	MBM		03H	+36.26	TEH	TEC	560UL	38	
8	91	2.41	69	6	MBM		04C	+8.51	TEH	TEC	560UL	50	
8	96	7.15	184	1	DNG		06C	+29.50	TEH	TEC	560UL	52	
8	98	2.12	180	1	DNG		06C	+23.68	TEH	TEC	560UL	52	
8	100	3.66	177	1	DNG		06H	+30.75	TEH	TEC	560UL	51	
8	104	2.14	64	6	MBM		TSH	+6.36	TEH	TEC	560UL	51	
8	106	2.59	89	6	MBM		07H	+15.12	TEH	TEC	560UL	51	
		2.70	83	6	MBM		06C	+26.07	TEH	TEC	560UL	51	
8	114	3.65	72	6	MBM		FBH	+3.88	TEH	TEC	560UL	44	
8	119	2.12	74	6	MBM		FBC	+13.82	TEH	TEC	560UL	44	
9	3	7.32	78	6	MBM		01C	+2.45	TEH	TEC	560UL	6	HR
9	7	2.17	80	6	MBM		01C	+3.64	TEH	TEC	560UL	6	
9	18	3.16	187	1	DNG		05C	+36.11	TEH	TEC	560UL	7	
		4.10	187	1	DNG		05C	+4.13	TEH	TEC	560UL	7	
9	24	2.01	72	6	MBM		01H	+30.55	TEH	TEC	560UL	8	
9	32	2.34	171	1	DNG		03C	+26.20	TEH	TEC	560UL	9	
9	44	3.58	83	6	MBM		05H	+17.92	TEH	TEC	560UL	11	
	47	2.01	79	6	MBM		06C	+4.66	TEH	TEC	560UL	53	
	52	3.09	182	1	DNG		06C	+14.50	TEH	TEC	560UL	53	
9	53	13.21	87	6	MBM		01C	+29.24	TEH	TEC	560UL	54	
9	60	2.26	85	6	MBM		02C	+8.77	TEH	TEC	560UL	55	
9	75	7.93	186	1	DNG		07H	+3.36	TEH	TEC	560UL	38	

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l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION			EXT	EXT	PROBE	CAL#	COMMENT1
9	88	2.05	176	1	DNG		06H	+36.35		TEH	TEC	560UL	50	
9	93	2.15	81	6	MBM		02H	+7.90		TEH	TEC	560UL	49	
9	94	2.97	180	1	DNG		06H	+25.47		TEH	TEC	560UL	49	
		2.31	176	1	DNG		06C	+31.72		TEH	TEC	560UL	49	
		3.96	177	1	DNG		06C	+28.99		TEH	TEC	560UL	49	
9	97	5.52	56	6	MBM		07H	+8.62		TEH	TEC	560UL	51	
9	98	3.88	178	1	DNG		06H	+25.39		TEH	TEC	560UL	51	
9	99	2.86	178	1	DNG		06H	+21.55		TEH	TEC	560UL	51	
9	100	4.82	84	6	MBM		02H	+30.50		TEH	TEC	560UL	52	
9	108	2.10	75	6	MBM		06H	+28.58		TEH	TEC	560UL	51	
9	111	2.07	180	1	DNG		06H	+17.12		TEH	TEC	560UL	47	
		2.01	183	1	DNG		06H	+17.05		TEH	TEC	560UL	52	I.D.OK
9	115	8.18	185	1	DNG		07H	+3.47		TEH	TEC	560UL	45	
9	116	8.63	185	1	DNG		07H	+3.35		TEH	TEC	560UL	45	
9	117	3.19	68	6	MBM		TSH	+16.17		TEH	TEC	560UL	45	
9	119	4.04	78	6	MBM		05C	+32.03		TEH	TEC	560UL	45	
		2.49	82	6	MBM		04C	+14.82		TEH	TEC	560UL	45	
9	120	3.34	73	6	MBM		06C	+5.16		TEH	TEC	560UL	45	
10	2	3.22	78	6	MBM		01H	+15.52		TEH	TEC	560UL	5	
		2.13	80	6	MBM		03H	+16.22		TEH	TEC	560UL	5	
		3.76	81	6	MBM		04H	+9.14		TEH	TEC	560UL	5	
10	6	1.66	76	6	MBM		02C	+16.70	TO+19.5	TEH	TEC	560UL	5	
10	7	2.62	85	6	MBM		01C	+17.24		TEH	TEC	560UL	5	
		2.62	73	6	MBM		FBC	+15.01		TEH	TEC	560UL	5	
10	8	3.35	75	6	MBM		03H	+31.08		TEH	TEC	560UL	5	
		3.38	73	6	MBM		05C	+36.40		TEH	TEC	560UL	5	
		5.89	72	6	MBM		05C	+31.82		TEH	TEC	560UL	5	
		3.88	77	6	MBM		05C	+28.69		TEH	TEC	560UL	5	
		5.37	77	6	MBM		05C	+30.54		TEH	TEC	560UL	5	
		3.11	78	6	MBM		05C	+33.35		TEH	TEC	560UL	5	
10	23	3.13	79	6	MBM		FBC	+17.13		TEH	TEC	560UL	7	
10	25	2.62	72	6	MBM		04H	+27.47		TEH	TEC	560UL	8	
		5.48	78	6	MBM		06C	+2.05		TEH	TEC	560UL	8	
10	26	2.08	87	6	MBM		06C	+11.06		TEH	TEC	560UL	8	
10	30	2.94	90	6	MBM		06H	+15.09		TEH	TEC	560UL	10	
10	33	2.67	81	6	MBM		05C	+19.03	TO+35.7	TEH	TEC	560UL	10	
10	38	4.29	81	6	MBM		TSH	+17.77		TEH	TEC	560UL	10	
10	39	6.70	179	1	DNG		06C	+35.81		TEH	TEC	560UL	10	
		2.54	80	6	MBM		04C	+15.17		TEH	TEC	560UL	10	
10	46	2.19	184	1	DNG		02C	+32.62		TEH	TEC	560UL	54	
10	48	3.78	88	6	MBM		01H	+17.26		TEH	TEC	560UL	54	
10	49	2.70	73	6	MBM		03C	+17.33		TEH	TEC	560UL	53	
10	52	3.50	186	1	DNG		TSC	+36.45		TEH	TEC	560UL	54	
10	68	8.96	176	P 1	DNT		07C	+0.40		TEH	TEC	560UL	4	
10	71	3.57	185	1	DNG		02H	+12.57		TEH	TEC	560UL	3	
	74	2.65	80	6	MBM		01H	+22.24		TEH	TEC	560UL	4	
10	79	2.51	89	6	MBM		01C	+23.94		TEH	TEC	560UL	46	
10	83	2.98	55	6	MBM		07H	+6.77		TEH	TEC	560UL	50	
10	87	3.41	79	6	MBM		06H	+8.34		TEH	TEC	560UL	50	
10	88	3.66	86	6	MBM		06H	+20.90		TEH	TEC	560UL	49	

10/99 RF10 - SGA
l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
10	90	2.26	77	6	MBM		01C	+8.10	TEH	TEC	560UL	50	
10	93	3.78	186	1	DNG		02C	+8.19	TEH	TEC	560UL	50	
10	94	2.36	175	1	DNG		06C	+26.85	TEH	TEC	560UL	50	
		5.64	183	1	DNG		06C	+11.33	TEH	TEC	560UL	50	
10	95	3.77	80	6	MBM		01H	+29.07	TEH	TEC	560UL	50	
		4.01	83	6	MBM		01H	+38.73	TEH	TEC	560UL	50	
10	96	2.36	61	6	MBM		06H	+22.52	TEH	TEC	560UL	52	
		2.48	180	1	DNG		06C	+23.60	TEH	TEC	560UL	52	
		6.44	183	1	DNG		06C	+22.84	TEH	TEC	560UL	52	
		3.37	181	1	DNG		06C	+13.73	TEH	TEC	560UL	52	
10	98	2.25	177	1	DNG		06H	+28.48	TEH	TEC	560UL	52	
		7.19	181	1	DNG		06H	+29.54	TEH	TEC	560UL	52	
		2.26	186	1	DNG		06C	+28.22	TEH	TEC	560UL	52	
10	99	8.81	50	6	MBM		AV6	+11.87	TEH	TEC	560UL	52	
10	102	2.19	185	1	DNG		01C	+21.44	TEH	TEC	560UL	51	
10	104	2.53	184	1	DNG		01H	+12.71	TEH	TEC	560UL	51	
10	111	3.27	176	P 1	DNT		07C	-0.43	TEH	TEC	560UL	46	
		5.37	177	P 1	DNT		07C	+0.76	TEH	TEC	560UL	46	
		3.45	175	P 1	DNT		07C	-0.35	TEH	TEC	560UL	51	
		6.25	175	P 1	DNT		07C	+0.59	TEH	TEC	560UL	51	
	118	2.19	83	6	MBM		06H	+11.64	TEH	TEC	560UL	44	
11	3	3.55	73	6	MBM		03H	+33.31	TEH	TEC	560UL	6	
11	5	2.00	85	6	MBM		01C	+23.64	TEH	TEC	560UL	6	
		3.27	80	6	MBM		01C	+18.88	TEH	TEC	560UL	6	
11	12	2.60	85	6	MBM		01H	+14.13	TEH	TEC	560UL	7	
		2.36	76	6	MBM		01H	+34.34	TEH	TEC	560UL	7	
		2.08	72	6	MBM		03H	+35.86	TEH	TEC	560UL	7	
		2.11	72	6	MBM		03H	+38.36	TEH	TEC	560UL	7	
11	13	2.98	81	6	MBM		02H	+12.98	TEH	TEC	560UL	8	
11	14	2.56	183	1	DNG		06H	+3.51	TEH	TEC	560UL	7	
11	16	2.00	75	6	MBM		03H	+8.21	TEH	TEC	560UL	7	
11	25	3.54	183	1	DNG		06H	+37.28	TEH	TEC	560UL	7	
		6.40	185	1	DNG		06H	+38.35	TEH	TEC	560UL	7	
		8.51	183	1	DNG		06C	+38.99	TEH	TEC	560UL	7	
11	35	2.67	79	6	MBM		01C	+14.40	TEH	TEC	560UL	9	
11	36	6.56	77	6	MBM		TSH	+9.20	TEH	TEC	560UL	9	
11	42	2.17	187	1	DNG		01C	+2.57	TEH	TEC	560UL	9	
11	48	5.01	80	6	MBM		01C	+7.59	TEH	TEC	560UL	53	
11	62	0.32	30	P 1	SCI		TSH	+0.11	TSH	TSH	560PP	5	
11	81	2.11	184	1	DNG		04H	+33.84	TEH	TEC	560UL	46	
		3.65	185	1	DNG		TSC	+6.24	TEH	TEC	560UL	46	
11	83	2.59	70	6	MBM		01H	+12.86	TEH	TEC	560UL	49	
11	95	0.43	17	3	SAI		TSH	+0.14	TSH	TSH	560PP	62	
11	96	2.58	75	6	MBM		01H	+19.47	TEH	TEC	560UL	51	
		3.45	87	6	MBM		03H	+11.77	TEH	TEC	560UL	51	
	97	2.75	181	P 1	DNT		FBC	-0.17	TEH	TEC	560UL	51	
	98	5.31	181	P 1	DNT		07C	+0.32	TEH	TEC	560UL	51	
11	101	2.32	89	6	MBM		04C	+14.32	TEH	TEC	560UL	51	
11	108	4.53	80	6	MBM		01H	+8.17	TEH	TEC	560UL	51	
11	109	2.18	83	6	MBM		02H	+34.46	TEH	TEC	560UL	51	

10/99 RF10 - SGA
1 Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION			EXT	EXT	PROBE	CAL#	COMMENT1
11	112	4.07	73	6	MBM		01H	+5.89		TEH	TEC	560UL	46	
11	115	3.85	77	6	MBM		04H	+25.23		TEH	TEC	560UL	45	
11	120	2.05	87	6	MBM		05H	+34.46		TEH	TEC	560UL	45	
12	8	2.56	183	1	DNG		07H	+3.66		TEH	TEC	560UL	5	
12	12	3.06	184	1	DNG		07H	+3.58		TEH	TEC	560UL	8	
12	17	5.56	82	6	MBM		01H	+20.06		TEH	TEC	560UL	7	
		4.70	80	6	MBM		05C	+21.71		TEH	TEC	560UL	7	
12	21	2.94	69	6	MBM		03C	+9.90		TEH	TEC	560UL	7	
12	22	5.25	76	6	MBM		05C	+10.49		TEH	TEC	560UL	7	
12	25	2.03	185	1	DNG		06H	+34.36		TEH	TEC	560UL	8	
		3.87	183	1	DNG		06C	+35.91		TEH	TEC	560UL	8	
		2.64	184	1	DNG		FBC	+18.14		TEH	TEC	560UL	8	
12	27	2.22	185	1	DNG		AV1	+4.04		TEH	TEC	560UL	10	
12	31	2.91	184	1	DNG		07H	+3.74		TEH	TEC	560UL	10	
12	32	2.75	183	1	DNG		07H	+3.78		TEH	TEC	560UL	10	
12	33	2.84	89	6	MBM		01C	+5.36	TO+16.3	TEH	TEC	560UL	10	
		3.03	68	6	MBM		TSC	+7.39		TEH	TEC	560UL	10	
12	34	2.84	183	1	DNG		07H	+3.79		TEH	TEC	560UL	10	
12	37	4.93	83	6	MBM		TSC	+11.85		TEH	TEC	560UL	10	
		2.37	75	6	MBM		04C	+31.86		TEH	TEC	560UL	10	
	39	2.52	80	6	MBM		01C	+10.31		TEH	TEC	560UL	10	
12	40	2.95	83	6	MBM		05C	+38.03		TEH	TEC	560UL	10	
		3.20	81	6	MBM		03C	+35.30		TEH	TEC	560UL	10	
12	43	2.72	72	6	MBM		01H	+28.85		TEH	TEC	560UL	12	
		3.73	186	1	DNG		07H	+3.73		TEH	TEC	560UL	12	
12	45	2.81	185	1	DNG		04H	+23.78		TEH	TEC	560UL	11	
		2.69	181	1	DNG		05H	+19.91		TEH	TEC	560UL	11	
12	71	2.74	78	6	MBM		01C	+25.85		TEH	TEC	560UL	3	
12	84	2.46	79	6	MBM		02C	+3.07		TEH	TEC	560UL	50	
12	89	5.80	86	6	MBM		06H	+32.67		TEH	TEC	560UL	50	
12	91	2.79	76	6	MBM		04C	+29.04		TEH	TEC	560UL	50	
12	92	3.12	80	6	MBM		03H	+38.42		TEH	TEC	560UL	50	
12	104	2.87	88	6	MBM		AV1	+10.75		TEH	TEC	560UL	51	
		2.94	77	6	MBM		02C	+29.92		TEH	TEC	560UL	51	
12	106	2.35	82	6	MBM		02C	+7.83		TEH	TEC	560UL	51	
12	107	0.60	14	P	1	SCI	TSH	+0.07		TSH	TSH	560PP	50	
12	110	2.56	182	P	1	DNT	02C	-0.10		TEH	TEC	560UL	47	
12	111	2.36	86	6		MBM	02C	+27.99		TEH	TEC	560UL	46	
12	112	3.03	77	6		MBM	02H	+38.39		TEH	TEC	560UL	47	
12	113	2.01	183	1		DNG	01H	+14.62		TEH	TEC	560UL	44	
12	115	2.68	84	6		MBM	01H	+22.20		TEH	TEC	560UL	44	
12	117	5.77	76	6		MBM	01H	+4.60		TEH	TEC	560UL	44	
		2.11	83	6		MBM	05H	+28.97		TEH	TEC	560UL	44	
12	118	5.49	88	6		MBM	01C	+38.98		TEH	TEC	560UL	44	
12	120	7.29	71	6		MBM	01H	+6.50		TEH	TEC	560UL	44	
	121	3.26	81	6		MBM	01H	+5.79		TEH	TEC	560UL	44	
[illegible]	10	2.31	184	1		DNG	01C	+1.64		TEH	TEC	560UL	5	
13	13	2.95	183	P	1	DNT	07C	+0.41		TEH	TEC	560UL	8	
13	14	2.69	77	6		MBM	05H	+35.06		TEH	TEC	560UL	7	
		2.01	81	6		MBM	03H	+27.13		TEH	TEC	560UL	7	

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QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
13	26	2.78	186	1	DNG		07C	+0.77	TEH	TEC	560UL	7	
		2.79	76	6	MBM		05C	+14.12	TEH	TEC	560UL	7	
		3.10	80	6	MBM		05C	+10.79	TEH	TEC	560UL	7	
		5.91	73	6	MBM		AV6	+1.59	TEH	TEC	560UL	7	
		2.51	73	6	MBM		AV6	-1.48	TEH	TEC	560UL	7	
13	27	2.28	84	6	MBM		04C	+30.16	TEH	TEC	560UL	9	
		2.74	84	6	MBM		03C	+10.89	TEH	TEC	560UL	9	
		2.29	181	1	DNG		06C	+3.90	TEH	TEC	560UL	9	
		11.29	183	1	DNG		05C	+3.96	TEH	TEC	560UL	9	
		8.48	183	1	DNG		03C	+5.41	TEH	TEC	560UL	9	
13	28	2.05	185	1	DNG		06C	+6.48	TEH	TEC	560UL	9	
		2.89	184	1	DNG		06C	+4.94	TEH	TEC	560UL	9	
		5.12	184	1	DNG		05C	+4.76	TEH	TEC	560UL	9	
		8.92	183	1	DNG		03C	+5.98	TEH	TEC	560UL	9	
13	33	3.04	181	1	DNG		06C	+4.20	TEH	TEC	560UL	9	
13	35	2.08	80	6	MBM		01C	+2.14	TEH	TEC	560UL	9	
		2.86	80	6	MBM		TSC	+15.56	TEH	TEC	560UL	9	
13	38	5.05	83	6	MBM		04H	+10.90	TEH	TEC	560UL	9	
		2.65	78	6	MBM		06C	+4.70	TEH	TEC	560UL	9	
		3.86	81	6	MBM		03C	+37.69	TEH	TEC	560UL	9	
	64	0.51	21	P 1	SCI		TSH	+0.00	TSH	TSH	560PP	5	
13	73	3.57	79	6	MBM		05C	+15.47	TEH	TEC	560UL	4	
13	76	2.43	78	6	MBM		01H	+15.75	TEH	TEC	560UL	3	
13	80	2.98	86	6	MBM		02H	+11.16	TEH	TEC	560UL	47	
		2.16	45	6	MBM		04C	+7.47	TEH	TEC	560UL	47	
		2.61	63	6	MBM		03C	+26.71	TEH	TEC	560UL	47	
		4.50	80	6	MBM		02C	+37.97	TEH	TEC	560UL	47	
13	89	3.77	81	6	MBM		02C	+26.24	TEH	TEC	560UL	49	
13	90	3.97	81	6	MBM		02C	+19.50	TEH	TEC	560UL	49	
		2.22	87	6	MBM		01H	+5.90	TEH	TEC	560UL	49	
13	94	2.83	86	6	MBM		03H	+16.61	TEH	TEC	560UL	50	
13	96	5.88	80	6	MBM		01H	+7.80	TEH	TEC	560UL	51	
13	99	6.86	85	6	MBM		AV1	+13.46	TEH	TEC	560UL	51	
13	101	2.38	83	6	MBM		01H	+8.52	TEH	TEC	560UL	51	
13	103	3.76	76	6	MBM		05H	+19.54	TEH	TEC	560UL	51	
13	105	2.19	76	6	MBM		06H	+32.81	TEH	TEC	560UL	51	
13	110	5.01	85	6	MBM		04H	+10.91	TEH	TEC	560UL	46	
13	113	2.05	187	1	DNG		02H	+25.00	TEH	TEC	560UL	45	
13	119	2.73	87	6	MBM		05H	+11.29	TEH	TEC	560UL	45	
		2.71	85	6	MBM		05H	+12.70	TEH	TEC	560UL	45	
		2.19	81	6	MBM		05H	+16.76	TEH	TEC	560UL	45	
14	4	5.00	74	6	MBM		FBC	+7.11	TEH	TEC	560UL	6	
14	11	2.08	82	6	MBM		06C	+21.46	TEH	TEC	560UL	7	
14	20	2.22	90	6	MBM		06C	+20.79	TEH	TEC	560UL	7	
14	24	2.21	178	P 1	DNT		AV6	-0.72	TEH	TEC	560UL	7	
	28	2.15	75	6	MBM		01C	+9.64	TEH	TEC	560UL	10	
[illegible]	30	2.11	185	1	DNG		01H	+30.79	TEH	TEC	560UL	10	
14	36	4.54	76	6	MBM		01C	+1.65	TEH	TEC	560UL	10	
14	38	2.26	81	6	MBM		01C	+8.05	TEH	TEC	560UL	10	
		2.58	81	6	MBM		FBC	+14.92	TEH	TEC	560UL	10	

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QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
14	40	3.06	82	6	MBM		03H	+34.01	TEH	TEC	560UL	10	
14	41	3.08	76	6	MBM		01C	+6.68	TEH	TEC	560UL	10	
14	44	3.15	75	6	MBM		01C	+8.05	TEH	TEC	560UL	12	
14	48	2.47	90	6	MBM		01C	+7.00	TEH	TEC	560UL	54	
14	54	2.31	72	6	MBM		01H	+25.93	STH	TEC	560SN	48	
		2.09	79	6	MBM		TSC	+28.32	STH	TEC	560SN	48	
14	63	0.51	24	3	SAI		TSH	+0.00	TSH	TSH	560PP	4	
14	67	0.30	118	P 1	SCI		TSH	-0.03	TSH	TSH	560PP	4	
14	71	0.23	123	P 1	SCI		TSH	+0.00	TSH	TSH	560PP	4	
14	79	2.51	67	6	MBM		TSH	+23.57	TEH	TEC	560UL	47	
14	91	2.75	70	6	MBM		04H	+34.54	TEH	TEC	560UL	50	
14	100	3.46	79	6	MBM		01H	+7.86	TEH	TEC	560UL	51	
14	101	3.59	84	6	MBM		01H	+10.03	TEH	TEC	560UL	52	
14	102	2.06	68	6	MBM		01H	+5.97	TEH	TEC	560UL	51	
14	107	5.76	75	6	MBM		02C	+19.80	TEH	TEC	560UL	52	
		4.54	81	6	MBM		01H	+5.57	TEH	TEC	560UL	52	
14	108	2.46	82	6	MBM		06C	+24.95	TEH	TEC	560UL	52	
14	114	3.27	80	6	MBM		01H	+15.51	TEH	TEC	560UL	44	
14	115	9.79	78	6	MBM		03C	-0.83	TEH	TEC	560UL	44	
[illegible]	116	2.03	73	6	MBM		04C	+28.54	TEH	TEC	560UL	44	
	117	3.19	186	1	DNG		07H	+3.60	TEH	TEC	560UL	44	
		3.72	182	1	DNG		06C	+18.88	TEH	TEC	560UL	44	
		3.17	181	1	DNG		06C	+18.54	TEH	TEC	560UL	44	
		2.00	182	1	DNG		06C	+17.79	TEH	TEC	560UL	44	
14	118	2.86	184	1	DNG		06C	+21.03	TEH	TEC	560UL	44	
15	3	2.75	86	6	MBM		02H	+7.97	TEH	TEC	560UL	6	
15	8	2.68	69	6	MBM		03C	+15.14	TEH	TEC	560UL	6	
15	9	3.19	86	6	MBM		04H	+37.45	TEH	TEC	560UL	6	
		4.70	77	6	MBM		02C	+7.77	TEH	TEC	560UL	6	
15	11	2.10	76	6	MBM		02H	+24.97	TEH	TEC	560UL	8	
15	14	2.00	67	6	MBM		01C	+10.93	TEH	TEC	560UL	7	
15	23	2.01	186	1	DNG		01H	+6.03	TEH	TEC	560UL	8	
15	27	2.27	82	6	MBM		02H	+9.31	TEH	TEC	560UL	9	
		2.54	81	6	MBM		03H	+31.20	TEH	TEC	560UL	9	
15	32	3.71	81	6	MBM		02H	+5.17	TEH	TEC	560UL	9	
		4.34	75	6	MBM		FBC	+1.44	TEH	TEC	560UL	9	
		2.46	81	6	MBM		05H	+30.57	TEH	TEC	560UL	9	
15	35	2.53	76	6	MBM		03H	+14.03	TEH	TEC	560UL	9	
15	46	5.21	79	6	MBM		06H	+12.22	TEH	TEC	560UL	53	
15	59	2.67	84	6	MBM		02H	+6.31	TEH	TEC	560UL	56	
15	62	0.59	30	3	SAI		TSH	+0.13	TSH	TSH	560PP	5	
15	78	3.48	78	6	MBM		05C	+1.79	STH	TEC	560SN	48	
15	91	3.70	79	6	MBM		02H	+21.48	TEH	TEC	560UL	49	
		4.61	76	6	MBM		03H	+15.80	TEH	TEC	560UL	49	
		3.97	84	6	MBM		03H	+20.99	TEH	TEC	560UL	49	
	93	1.08	17	3	SAI		TSH	+0.07	TSH	TSH	560PP	49	
[illegible]	96	2.43	55	6	MBM		02C	+2.51	TEH	TEC	560UL	51	
15	98	2.51	75	6	MBM		01H	+28.90	TEH	TEC	560UL	51	
		2.37	74	6	MBM		01H	+30.52	TEH	TEC	560UL	51	
		2.76	68	6	MBM		04C	+33.12	TEH	TEC	560UL	51	

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QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
15	108	3.17	78	6	MBM		04H	+23.89	TEH	TEC	560UL	51	
15	120	2.24	183	1	DNG		AV6	+19.32	TEH	TEC	560UL	45	
		2.27	79	6	MBM		01C	+6.79	TEH	TEC	560UL	45	
16	5	2.31	85	6	MBM		01C	+19.28	TEH	TEC	560UL	5	
		3.13	81	6	MBM		01C	+17.00	TEH	TEC	560UL	5	
16	7	4.07	81	6	MBM		05C	+33.60	TEH	TEC	560UL	5	
16	10	2.91	78	6	MBM		03C	+14.66	TEH	TEC	560UL	6	
16	13	4.94	78	6	MBM		03C	+17.90	TEH	TEC	560UL	7	
		2.01	189	1	DNG		02C	+9.13	TEH	TEC	560UL	7	
16	15	4.05	184	1	DNG		06H	+35.16	TEH	TEC	560UL	8	
		5.36	84	6	MBM		TSC	+16.24	TEH	TEC	560UL	8	
		3.36	80	6	MBM		TSC	+8.65	TEH	TEC	560UL	8	
16	16	10.78	183	1	DNG		TSC	+8.24	TEH	TEC	560UL	8	
16	19	2.34	184	1	DNG		06C	+4.68	TEH	TEC	560UL	7	
16	21	2.22	187	1	DNG		05H	+3.77	TEH	TEC	560UL	7	
		4.37	185	1	DNG		06H	+1.56	TEH	TEC	560UL	7	
		2.41	184	1	DNG		06H	+35.25	TEH	TEC	560UL	7	
		2.04	187	1	DNG		06H	+36.01	TEH	TEC	560UL	7	
		8.24	182	1	DNG		06H	+36.41	TEH	TEC	560UL	7	
		6.96	182	1	DNG		06H	+37.21	TEH	TEC	560UL	7	
		2.09	184	1	DNG		06C	+37.76	TEH	TEC	560UL	7	
16	22	4.94	79	6	MBM		01C	+10.57	TEH	TEC	560UL	7	
		2.33	89	6	MBM		03H	+27.84	TEH	TEC	560UL	7	
16	25	3.79	185	1	DNG		06H	+29.74	TEH	TEC	560UL	8	
		5.16	185	1	DNG		06H	+30.84	TEH	TEC	560UL	8	
		13.11	183	1	DNG		06C	+31.74	TEH	TEC	560UL	8	
		2.68	185	1	DNG		06C	+30.70	TEH	TEC	560UL	8	
16	26	2.34	82	6	MBM		01C	+7.49	TEH	TEC	560UL	8	
16	28	6.04	182	1	DNG		02H	+17.39	TEH	TEC	560UL	10	
		3.60	183	1	DNG		06H	+35.11	TEH	TEC	560UL	10	
		3.22	181	1	DNG		06C	+32.58	TEH	TEC	560UL	10	
16	32	3.26	73	6	MBM		03C	+30.47	TEH	TEC	560UL	10	
16	36	2.68	71	6	MBM		01H	+27.22	TEH	TEC	560UL	10	
16	37	2.90	72	6	MBM		06H	+32.20	TEH	TEC	560UL	10	
16	43	2.41	74	6	MBM		04H	+15.74	TEH	TEC	560UL	12	
		2.94	86	6	MBM		04H	+30.98	TEH	TEC	560UL	12	
		3.26	90	6	MBM		05H	+1.29	TEH	TEC	560UL	12	
16	45	4.30	59	6	MBM		07H	+11.32	TEH	TEC	560UL	11	
16	55	3.57	72	6	MBM		TSH	+37.34	TEH	TEC	560UL	53	
16	81	2.48	85	6	MBM		03H	+37.29	TEH	TEC	560UL	47	
16	83	4.97	76	6	MBM		01H	+13.47	TEH	TEC	560UL	50	
16	85	2.01	78	6	MBM		06H	+15.50	TEH	TEC	560UL	50	
16	86	3.88	178	1	DNG		06H	+39.37	TEH	TEC	560UL	50	
		2.66	180	1	DNG		06H	+37.92	TEH	TEC	560UL	50	
		2.99	179	1	DNG		06H	+38.40	TEH	TEC	560UL	50	
	118	2.89	86	6	MBM		05H	+20.00	TEH	TEC	560UL	44	
17	16	2.28	74	6	MBM		03H	+36.28	TEH	TEC	560UL	7	
		2.38	65	6	MBM		04H	+18.05	TEH	TEC	560UL	7	
		2.46	70	6	MBM		04H	+19.48	TEH	TEC	560UL	7	
		2.09	64	6	MBM		04H	+31.98	TEH	TEC	560UL	7	

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QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
17	18	3.67	70	6	MBM		01C	+26.87	TEH	TEC	560UL	7	
17	20	3.73	81	6	MBM		04C	+20.03	TEH	TEC	560UL	7	
17	25	2.04	184	1	DNG		01H	+19.93	TEH	TEC	560UL	7	
17	27	2.82	184	1	DNG		04H	+8.76	TEH	TEC	560UL	9	
		2.48	85	6	MBM		04C	+20.63	TEH	TEC	560UL	9	
17	28	5.36	84	6	MBM		02C	+12.27	TEH	TEC	560UL	9	
17	30	3.10	81	6	MBM		06C	+31.53	TEH	TEC	560UL	9	
17	32	0.37	22	P 1	SCI		TSH	-1.11	TSH	TSH	560PP	15	
17	38	4.32	72	6	MBM		06H	+35.51	TEH	TEC	560UL	9	
17	41	4.60	78	6	MBM		03H	+38.63	TEH	TEC	560UL	9	
17	42	3.23	69	6	MBM		06C	+31.01	TEH	TEC	560UL	9	
17	47	2.55	70	6	MBM		06C	+24.66	TEH	TEC	560UL	53	
17	54	0.26	34	P 1	SCI		TSH	+0.00	TSH	TSH	560PP	66	
17	58	2.65	84	6	MBM		04H	+22.72	TEH	TEC	560UL	53	
17	60	2.90	177	1	DNG		07H	+11.31	TEH	TEC	560UL	55	
		2.35	178	1	DNG		AV5	+1.21	TEH	TEC	560UL	55	
17	63	2.42	183	1	DNG		03H	+33.89	TEH	TEC	560UL	3	
		2.89	83	6	MBM		02C	+11.00	TEH	TEC	560UL	3	
		2.00	70	6	MBM		01C	+29.16	TEH	TEC	560UL	3	
		4.40	84	6	MBM		01C	+24.71	TEH	TEC	560UL	3	
		2.43	87	6	MBM		TSC	+17.04	TEH	TEC	560UL	3	
17	64	2.83	85	6	MBM		02H	+33.88	TEH	TEC	560UL	3	
17	67	0.32	7	P 1	SCI		TSH	+0.10	TSH	TSH	560PP	4	
17	70	3.18	80	6	MBM		03H	+37.65	TEH	TEC	560UL	3	
17	72	4.09	79	6	MBM		TSH	+22.94	TEH	TEC	560UL	3	
		2.87	87	6	MBM		TSH	+26.07	TEH	TEC	560UL	3	
17	74	1.29	109	2	SVI		TSH	+0.10	TSH	TSH	560PP	4	
17	80	2.73	88	6	MBM		05H	+22.70	TEH	TEC	560UL	46	
		3.44	81	6	MBM		04C	+25.04	TEH	TEC	560UL	46	
17	81	0.31	10	P 1	SCI		TSH	+0.07	TSH	TSH	560PP	48	
17	86	3.53	181	1	DNG		04C	+5.72	TEH	TEC	560UL	49	
17	87	2.75	70	6	MBM		03H	+25.58	TEH	TEC	560UL	49	
17	88	0.76	18	3	MAI		TSH	-0.01	TSH	TSH	560PP	48	
17	89	2.51	180	1	DNG		01C	+35.81	TEH	TEC	560UL	49	
17	95	3.72	79	6	MBM		FBH	+15.43	TEH	TEC	560UL	49	
17	115	2.47	181	1	DNG		01C	+9.34	TEH	TEC	560UL	45	
18	4	4.14	48	6	MBM		07H	+18.74	TEH	TEC	560UL	6	
18	8	6.32	74	6	MBM		01H	+20.00	TEH	TEC	560UL	5	
18	13	3.46	77	6	MBM		05C	+9.46	TEH	TEC	560UL	12	
18	18	2.22	185	1	DNG		FBH	+5.39	TEH	TEC	560UL	12	
		3.48	184	1	DNG		04C	+31.71	TEH	TEC	560UL	12	
18	30	2.70	81	6	MBM		02H	+17.42	TEH	TEC	560UL	15	
18	43	7.73	87	6	MBM		06H	+3.32	TEH	TEC	560UL	20	
		8.92	77	6	MBM		06H	+8.10	TEH	TEC	560UL	20	
		5.00	84	6	MBM		06H	+6.59	TEH	TEC	560UL	20	
		3.28	62	6	MBM		TSH	+28.60	TEH	TEC	560UL	20	
[illegible]	45	3.43	83	6	MBM		05C	+16.82	TEH	TEC	560UL	19	
		0.47	14	P 1	SCI		TSH	-0.15	TSH	TSH	560PP	21	
18	56	3.35	178	P 1	DNT		07C	+0.32	TEH	TEC	560UL	22	
18	61	3.67	81	6	MBM		01C	+20.29	TEH	TEC	560UL	35	

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l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
18	75	3.42	90	6	MBM		03H	+4.23	TEH	TEC	560UL	36	
		2.53	78	6	MBM		05C	+15.51	TEH	TEC	560UL	36	
18	77	2.12	64	6	MBM		TSC	+33.83	TEH	TEC	560UL	38	
18	78	0.51	110	3	MBM		04C	+30.13	TEH	TEC	560UL	38	
18	81	3.00	69	6	MBM		03H	+28.82	TEH	TEC	560UL	40	
		2.28	81	6	MBM		03C	+22.88	TEH	TEC	560UL	40	
18	85	3.16	78	6	MBM		03H	+32.32	TEH	TEC	560UL	40	
18	100	2.28	63	6	MBM		AV6	+9.84	TEH	TEC	560UL	43	
19	7	2.71	187	1	DNG		05C	+39.55	TEH	TEC	560UL	6	
19	18	2.08	182	1	DNG		04C	+39.28	TEH	TEC	560UL	11	
19	29	2.17	75	6	MBM		06C	+23.39	TEH	TEC	560UL	15	
		2.83	61	6	MBM		06C	+29.75	TEH	TEC	560UL	15	
19	40	3.04	83	6	MBM		01C	+1.43	TEH	TEC	560UL	17	
		2.87	75	6	MBM		FBC	+13.17	TEH	TEC	560UL	17	
19	42	8.00	80	6	MBM		FBC	+13.47	TEH	TEC	560UL	17	
19	44	5.89	73	6	MBM		TSH	+14.73	TEH	TEC	560UL	19	
19	52	2.87	184	P 1	DNT		02C	-0.45	TEH	TEC	560UL	20	
19	59	3.07	69	6	MBM		01C	+4.48	STH	TEC	560SN	48	
19	66	2.57	186	1	DNG		02C	+31.59	TEH	TEC	560UL	37	
		2.47	184	1	DNG		01C	+22.88	TEH	TEC	560UL	37	
	71	3.93	81	6	MBM		02H	+3.80	TEH	TEC	560UL	36	
19	73	4.38	80	6	MBM		05C	+17.54	TEH	TEC	560UL	37	
19	75	4.05	83	6	MBM		06H	+14.72	TEH	TEC	560UL	36	
		4.19	65	6	MBM		TSC	+26.03	TEH	TEC	560UL	36	
19	79	7.75	88	6	MBM		AV1	+4.24	TEH	TEC	560UL	41	
19	81	0.53	12	3	SAI		TSH	+0.06	TSH	TSH	560PP	42	
19	98	4.45	86	6	MBM		01H	+34.30	TEH	TEC	560UL	42	
		4.30	84	6	MBM		04H	+20.80	TEH	TEC	560UL	42	
		5.19	84	6	MBM		04H	+37.30	TEH	TEC	560UL	42	
19	101	6.79	185	1	DNG		02C	+32.60	TEH	TEC	560UL	43	
19	112	5.99	80	6	MBM		05C	+24.38	TEH	TEC	560UL	44	
19	118	2.37	178	P 1	DNT		01H	-0.29	TEH	TEC	560UL	45	
		2.31	178	P 1	DNT		04H	-0.29	TEH	TEC	560UL	45	
20	5	2.74	73	6	MBM		02C	+30.72	TEH	TEC	560UL	5	
		4.36	76	6	MBM		01C	+37.38	TEH	TEC	560UL	5	
		2.01	86	6	MBM		03C	+17.01	TEH	TEC	560UL	5	
		2.87	74	6	MBM		FBC	+17.33	TEH	TEC	560UL	5	
20	6	4.82	77	6	MBM		02C	+16.10	TEH	TEC	560UL	5	
		3.84	79	6	MBM		FBC	+7.29	TEH	TEC	560UL	5	
		2.77	75	6	MBM		TSC	+15.66	TEH	TEC	560UL	5	
20	12	4.68	79	6	MBM		01C	+7.49	TEH	TEC	560UL	12	
		5.65	84	6	MBM		01C	+4.58	TEH	TEC	560UL	12	
		2.29	89	6	MBM		01C	+1.93	TEH	TEC	560UL	12	
20	14	3.81	86	6	MBM		TSC	+10.06	TEH	TEC	560UL	12	
20	26	2.12	79	6	MBM		01H	+39.00	TEH	TEC	560UL	16	
	34	2.31	71	6	MBM		02C	+14.34	TEH	TEC	560UL	18	
20	39	3.84	60	6	MBM		06H	+37.13	TEH	TEC	560UL	17	
20	40	7.46	81	6	MBM		06C	+22.39	TEH	TEC	560UL	18	
20	42	3.19	68	6	MBM		06H	+24.31	TEH	TEC	560UL	18	
		3.68	87	6	MBM		01C	+11.88	TEH	TEC	560UL	18	

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l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
20	45	2.53	74	6	MBM		06H	+33.71	TEH	TEC	560UL	19	
20	59	2.94	58	6	MBM		AV2	+9.50	TEH	TEC	560UL	21	
20	60	2.00	78	6	MBM		02C	+35.39	TEH	TEC	560UL	22	
20	73	2.66	78	6	MBM		06H	+26.79	TEH	TEC	560UL	36	
20	77	3.60	82	6	MBM		01H	+5.92	STH	TEC	560SN	48	
		6.00	85	6	MBM		AV5	+4.02	STH	TEC	560SN	48	
		4.10	65	6	MBM		01H	-26.86	STH	TEC	560SN	48	
		5.77	89	6	MBM		AV2	+2.88	STH	TEC	560SN	48	
20	88	0.32	17	P 1	SCI		TSH	+0.06	TSH	TSH	560PP	44	
20	91	2.11	80	6	MBM		01H	+38.84	TEH	TEC	560UL	40	
20	112	2.66	187	1	DNG		01C	+19.91	TEH	TEC	560UL	45	
20	116	2.00	178	P 1	DNT		04H	-0.35	TEH	TEC	560UL	44	
20	118	2.79	180	P 1	DNT		04H	-0.31	TEH	TEC	560UL	44	
		2.55	180	P 1	DNT		04H	+0.66	TEH	TEC	560UL	44	
		2.41	179	P 1	DNT		01H	-0.33	TEH	TEC	560UL	44	
		2.35	179	P 1	DNT		01H	+0.72	TEH	TEC	560UL	44	
21	5	2.54	84	6	MBM		02C	+1.96	TEH	TEC	560UL	6	
		3.50	60	6	MBM		06H	+34.12	TEH	TEC	560UL	6	
		2.89	63	6	MBM		01H	+9.61	TEH	TEC	560UL	6	
		2.71	60	6	MBM		05C	+27.25	TEH	TEC	560UL	6	
	6	2.10	80	6	MBM		FBC	+14.04	TEH	TEC	560UL	6	
		6.84	78	6	MBM		FBC	+6.70	TEH	TEC	560UL	6	
21	14	3.31	78	6	MBM		03C	+17.30	TEH	TEC	560UL	11	
21	19	9.83	85	6	MBM		06C	+2.90	TEH	TEC	560UL	12	
21	26	2.05	82	6	MBM		06C	+17.55	TEH	TEC	560UL	15	
21	45	3.28	58	6	MBM		06H	+25.45	TEH	TEC	560UL	20	
		3.47	63	6	MBM		01C	+21.18	TEH	TEC	560UL	20	
21	49	5.82	75	6	MBM		05C	+28.21	TEH	TEC	560UL	19	
21	59	4.90	80	6	MBM		01C	+22.10	TEH	TEC	560UL	22	
		2.95	85	6	MBM		01C	+16.17	TEH	TEC	560UL	22	
21	63	8.92	74	6	MBM		TSH	+1.20	TEH	TEC	560UL	34	
21	72	3.17	82	6	MBM		AV5	+1.30	TEH	TEC	560UL	37	
21	76	0.31	0	P 2	TWD	16	AV2	+0.00	TEH	TEC	560UL	36	
21	86	2.65	181	1	DNG		06C	+39.57	TEH	TEC	560UL	40	
		2.08	83	6	MBM		01H	+34.55	TEH	TEC	560UL	40	
		2.69	72	6	MBM		02H	+12.03	TEH	TEC	560UL	40	
		3.32	72	6	MBM		02H	+35.00	TEH	TEC	560UL	40	
		2.41	63	6	MBM		03H	+18.22	TEH	TEC	560UL	40	
		2.76	73	6	MBM		02H	+5.63	TEH	TEC	560UL	40	
21	87	4.18	82	6	MBM		02C	+27.57	TEH	TEC	560UL	40	
21	91	2.10	83	6	MBM		01C	+37.93	TEH	TEC	560UL	41	
21	99	2.25	82	6	MBM		04C	+4.64	TEH	TEC	560UL	43	
21	102	7.14	84	6	MBM		03H	+37.16	TEH	TEC	560UL	42	
21	116	2.54	178	P 1	DNT		04H	-0.31	TEH	TEC	560UL	45	
		2.67	180	P 1	DNT		04H	+0.64	TEH	TEC	560UL	45	
	117	2.85	179	P 1	DNT		04H	-0.31	TEH	TEC	560UL	45	
		2.63	182	P 1	DNT		04H	+0.72	TEH	TEC	560UL	45	
21	118	2.43	178	P 1	DNT		01H	-0.31	TEH	TEC	560UL	45	
		4.20	180	P 1	DNT		04H	-0.29	TEH	TEC	560UL	45	
		3.31	180	P 1	DNT		04H	+0.70	TEH	TEC	560UL	45	

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QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
		2.10	185	1	DNG		03C	+4.54	TEH	TEC	560UL	45	
22	10	2.44	88	6	MBM		02H	+32.43	TEH	TEC	560UL	6	
		2.28	74	6	MBM		06C	+14.48	TEH	TEC	560UL	6	
22	18	2.14	186	1	DNG		AV2	+10.38	TEH	TEC	560UL	12	
		2.11	186	1	DNG		AV5	+1.95	TEH	TEC	560UL	12	
		2.21	187	1	DNG		AV5	+8.25	TEH	TEC	560UL	12	
22	24	2.50	88	6	MBM		03H	+14.20	TEH	TEC	560UL	15	
		2.76	81	6	MBM		03H	+15.55	TEH	TEC	560UL	15	
		3.42	76	6	MBM		AV6	+2.31	TEH	TEC	560UL	15	
		3.12	88	6	MBM		AV6	+6.04	TEH	TEC	560UL	15	
		2.32	62	6	MBM		AV6	+10.11	TEH	TEC	560UL	15	
		2.42	60	6	MBM		AV6	+15.41	TEH	TEC	560UL	15	
22	26	4.98	86	6	MBM		04C	+2.08	TEH	TEC	560UL	16	
22	32	2.42	65	6	MBM		02C	+6.66	TEH	TEC	560UL	18	
22	34	4.52	59	6	MBM		AV1	+8.58	TEH	TEC	560UL	18	
		2.73	182	1	DNG		06H	+26.30	TEH	TEC	560UL	18	
		4.63	180	1	DNG		06H	+26.83	TEH	TEC	560UL	18	
22	41	2.65	73	6	MBM		02C	+14.07	TEH	TEC	560UL	17	
22	46	0.54	12	3	SAI		TSH	+0.13	TSH	TSH	560PP	20	
[illegible]	49	3.05	180	P 1	DNT		07H	-0.28	TEH	TEC	560UL	20	
	53	3.27	178	1	DNG		06C	+33.80	TEH	TEC	560UL	19	
		2.16	176	1	DNG		06C	+33.10	TEH	TEC	560UL	19	
		2.05	60	6	MBM		AV1	+2.27	TEH	TEC	560UL	19	
22	66	2.97	78	6	MBM		06H	+17.14	TEH	TEC	560UL	36	
22	69	4.00	88	6	MBM		04H	+14.97	TEH	TEC	560UL	37	
		2.94	179	1	DNG		07H	+7.10	TEH	TEC	560UL	37	
22	86	3.86	87	6	MBM		06H	+37.87	TEH	TEC	560UL	41	
22	91	4.20	80	6	MBM		FBH	+5.56	TEH	TEC	560UL	40	
22	92	3.95	86	6	MBM		04C	+21.25 TO+30.9	TEH	TEC	560UL	41	
		4.70	82	6	MBM		06C	+30.65	TEH	TEC	560UL	41	
22	95	2.43	180	P 1	DNT		07C	-0.10	TEH	TEC	560UL	42	
22	113	4.78	76	6	MBM		01C	+32.61	TEH	TEC	560UL	44	
22	116	3.83	183	P 1	DNT		04H	-0.35	TEH	TEC	560UL	44	
		5.00	182	P 1	DNT		04H	+0.66	TEH	TEC	560UL	44	
		2.29	181	P 1	DNT		01H	+0.72	TEH	TEC	560UL	44	
22	117	4.95	180	P 1	DNT		04H	+0.68	TEH	TEC	560UL	44	
		3.50	182	P 1	DNT		04H	-0.29	TEH	TEC	560UL	44	
22	118	2.25	182	P 1	DNT		01H	-0.33	TEH	TEC	560UL	44	
		3.85	180	P 1	DNT		01H	+0.70	TEH	TEC	560UL	44	
		5.43	182	P 1	DNT		04H	-0.35	TEH	TEC	560UL	44	
		6.07	182	P 1	DNT		04H	+0.66	TEH	TEC	560UL	44	
		2.42	180	P 1	DNT		07H	+0.69	TEH	TEC	560UL	44	
23	6	2.54	79	6	MBM		06C	+7.74	TEH	TEC	560UL	6	
		2.09	77	6	MBM		06C	+4.34	TEH	TEC	560UL	6	
23	10	4.70	183	1	DNG		FBH	+16.94	TEH	TEC	560UL	5	
		6.27	183	1	DNG		01H	+9.11	TEH	TEC	560UL	5	
[illegible]	11	2.04	182	1	DNG		06H	+37.73	TEH	TEC	560UL	11	
23	22	2.66	184	1	DNG		06H	+1.64	TEH	TEC	560UL	13	
		3.79	70	6	MBM		01C	+35.23	TEH	TEC	560UL	13	
23	27	3.03	86	6	MBM		05C	+7.93	TEH	TEC	560UL	15	

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1 Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
23	33	2.73	85	6	MBM		AV6	+14.98	TEH	TEC	560UL	18	
23	34	2.53	80	6	MBM		TSH	+17.70	TEH	TEC	560UL	17	
		2.90	74	6	MBM		01H	+31.77	TEH	TEC	560UL	17	
		2.59	73	6	MBM		TSC	+14.96	TEH	TEC	560UL	17	
23	40	2.65	183	1	DNG		AV2	+13.37	TEH	TEC	560UL	17	
		4.00	173	P 1	DNT		AV5	-0.73	TEH	TEC	560UL	17	
23	51	3.19	183	1	DNG		06C	+34.64	TEH	TEC	560UL	20	
23	54	3.98	184	1	DNG		TSC	+12.66	TEH	TEC	560UL	20	
23	55	4.04	186	1	DNG		02H	+23.83	TEH	TEC	560UL	22	
23	65	6.58	87	6	MBM		04H	+36.76	TEH	TEC	560UL	36	
23	74	4.10	78	6	MBM		06C	+19.83	TEH	TEC	560UL	37	
23	80	2.22	86	6	MBM		06C	+9.03	TEH	TEC	560UL	40	
23	83	4.63	69	6	MBM		06C	+38.41	TEH	TEC	560UL	40	
		5.40	88	6	MBM		06C	+34.78	TEH	TEC	560UL	40	
		4.10	90	6	MBM		06C	+29.96	TEH	TEC	560UL	40	
		5.59	89	6	MBM		06C	+25.79	TEH	TEC	560UL	40	
23	88	5.71	80	6	MBM		FBH	+15.53	TEH	TEC	560UL	40	
		3.68	74	6	MBM		01H	+3.70	TEH	TEC	560UL	40	
		2.94	88	6	MBM		01H	+5.81	TEH	TEC	560UL	40	
		2.05	83	6	MBM		01H	+8.10	TEH	TEC	560UL	40	
	89	2.28	186	1	DNG		05H	+9.06	TEH	TEC	560UL	41	
		2.33	186	1	DNG		05H	+31.39	TEH	TEC	560UL	41	
		2.84	186	1	DNG		05H	+38.91	TEH	TEC	560UL	41	
		3.50	185	1	DNG		06H	+25.01	TEH	TEC	560UL	41	
23	93	3.49	184	1	DNG		02H	+30.39	TEH	TEC	560UL	43	
23	98	10.16	76	6	MBM		04C	+35.06	TEH	TEC	560UL	42	
23	108	4.69	85	6	MBM		03H	+19.44	TEH	TEC	560UL	44	
23	114	4.43	181	P 1	DNT		04H	-0.31	TEH	TEC	560UL	45	
		2.95	181	P 1	DNT		04H	+0.68	TEH	TEC	560UL	45	
23	115	4.78	182	P 1	DNT		04H	-0.27	TEH	TEC	560UL	45	
		2.33	183	P 1	DNT		04H	+0.70	TEH	TEC	560UL	45	
23	116	2.73	180	P 1	DNT		01H	-0.33	TEH	TEC	560UL	45	
		2.61	180	P 1	DNT		01H	+0.72	TEH	TEC	560UL	45	
		8.29	180	P 1	DNT		04H	-0.33	TEH	TEC	560UL	45	
		6.53	181	P 1	DNT		04H	+0.68	TEH	TEC	560UL	45	
		2.85	186	1	DNG		03C	+11.94	TEH	TEC	560UL	45	
23	117	2.69	178	P 1	DNT		01H	-0.35	TEH	TEC	560UL	45	
		5.63	179	P 1	DNT		04H	-0.35	TEH	TEC	560UL	45	
		5.38	181	P 1	DNT		04H	+0.66	TEH	TEC	560UL	45	
		3.90	85	6	MBM		06C	+12.58	TEH	TEC	560UL	45	
		7.41	77	6	MBM		06C	+7.42	TEH	TEC	560UL	45	
		2.66	79	6	MBM		06C	+5.70	TEH	TEC	560UL	45	
24	8	0.20	56	P 2	TWD	16	AV1	-0.13	TEH	TEC	560UL	5	
24	11	2.80	81	6	MBM		FBH	+12.02	TEH	TEC	560UL	12	
24	23	2.78	185	1	DNG		FBH	+13.87	TEH	TEC	560UL	13	
	24	5.99	77	6	MBM		01H	+6.31	TEH	TEC	560UL	15	
24	25	2.07	179	1	DNG		02C	+21.80	TEH	TEC	560UL	16	
		3.61	179	1	DNG		AV1	+3.83	TEH	TEC	560UL	16	
24	33	2.35	84	6	MBM		01C	+25.40	TEH	TEC	560UL	17	
24	37	2.85	86	6	MBM		AV2	+12.69	TEH	TEC	560UL	17	

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l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
24	47	2.04	68	6	MBM		FBH	+17.19	TEH	TEC	560UL	19	
		2.13	76	6	MBM		01H	+4.75	TEH	TEC	560UL	19	
		2.08	182	1	DNG		05H	+6.17	TEH	TEC	560UL	19	
		2.19	85	6	MBM		01C	+34.73	TEH	TEC	560UL	19	
24	48	2.61	65	6	MBM		TSH	+14.01	TEH	TEC	560UL	20	
		2.58	74	6	MBM		06C	+16.09	TEH	TEC	560UL	20	
		2.17	78	6	MBM		TSH	+9.15	TEH	TEC	560UL	20	
24	49	2.24	184	1	DNG		01H	+4.56	TEH	TEC	560UL	20	
		2.19	184	1	DNG		06C	+15.52	TEH	TEC	560UL	20	
		2.02	182	1	DNG		06C	+14.46	TEH	TEC	560UL	20	
24	50	2.18	184	1	DNG		02H	+24.92	TEH	TEC	560UL	20	
24	51	3.87	77	6	MBM		04C	+9.94	TEH	TEC	560UL	19	
24	52	0.51	16	P 1	SCI		TSH	+0.12	TSH	TSH	560PP	22	
24	55	3.27	73	6	MBM		TSH	+2.03	TEH	TEC	560UL	21	
		2.79	55	6	MBM		03H	+12.76	TEH	TEC	560UL	21	
		3.93	70	6	MBM		04H	+33.74	TEH	TEC	560UL	21	
		4.50	82	6	MBM		01C	+8.48	TEH	TEC	560UL	21	
24	56	4.12	78	6	MBM		AV2	+7.76	TEH	TEC	560UL	22	
24	66	6.67	74	6	MBM		TSC	+22.06	TEH	TEC	560UL	36	
[illegible]	78	2.85	79	6	MBM		05H	+24.75	TEH	TEC	560UL	38	
	82	4.73	84	6	MBM		06H	+12.63	TEH	TEC	560UL	41	
		2.56	68	6	MBM		02C	+32.95	TEH	TEC	560UL	41	
24	84	2.28	70	6	MBM		07H	+14.64	TEH	TEC	560UL	41	
24	85	3.53	77	6	MBM		06H	+23.03	TEH	TEC	560UL	40	
24	87	2.01	71	6	MBM		03H	+19.75	TEH	TEC	560UL	40	
24	89	4.68	69	6	MBM		04C	+6.73	TEH	TEC	560UL	40	
24	98	7.64	183	1	DNG		04C	+20.68	TEH	TEC	560UL	43	
24	106	2.44	183	1	DNG		AV5	+4.37	TEH	TEC	560UL	43	
		5.45	80	6	MBM		04C	+34.07	TEH	TEC	560UL	43	
24	114	4.25	182	P 1	DNT		04H	-0.35	TEH	TEC	560UL	44	
		4.96	179	1	DNG		04H	+0.64	TEH	TEC	560UL	44	
		2.10	186	1	DNG		06H	+22.19	TEH	TEC	560UL	44	
24	115	3.17	181	P 1	DNT		04H	-0.37	TEH	TEC	560UL	44	
		3.98	179	P 1	DNT		04H	+0.66	TEH	TEC	560UL	44	
24	116	9.09	182	P 1	DNT		04H	-0.33	TEH	TEC	560UL	44	
		8.04	179	P 1	DNT		04H	+0.66	TEH	TEC	560UL	44	
		3.45	180	P 1	DNT		01H	-0.33	TEH	TEC	560UL	44	
		2.90	180	P 1	DNT		01H	+0.70	TEH	TEC	560UL	44	
24	117	3.05	73	6	MBM		TSH	+18.34	TEH	TEC	560UL	44	
		2.93	183	P 1	DNT		01H	-0.31	TEH	TEC	560UL	44	
		6.78	182	P 1	DNT		04H	-0.31	TEH	TEC	560UL	44	
		7.41	183	P 1	DNT		04H	+0.60	TEH	TEC	560UL	44	
25	10	2.87	79	6	MBM		07H	+1.59	TEH	TEC	560UL	5	
25	11	3.64	64	6	MBM		AV5	+2.97	TEH	TEC	560UL	11	
25	18	2.06	185	P 1	DNT		07H	+0.55	TEH	TEC	560UL	11	
	28	3.34	83	6	MBM		01C	+12.65	TEH	TEC	560UL	16	
[illegible]	31	3.46	68	6	MBM		06C	+8.32	TEH	TEC	560UL	18	
		2.42	86	6	MBM		05C	+21.56	TEH	TEC	560UL	18	
25	38	3.91	88	6	MBM		03H	+29.62	TEH	TEC	560UL	17	
		2.14	87	6	MBM		03H	+34.99	TEH	TEC	560UL	17	

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QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
		3.15	184	1	DNG		04C	+29.77	TEH	TEC	560UL	17	
		3.29	85	6	MBM		01C	+11.28	TEH	TEC	560UL	17	
25	39	2.85	71	6	MBM		01C	+7.24	TEH	TEC	560UL	18	
25	43	5.24	186	1	DNG		04C	+18.71	TEH	TEC	560UL	18	
		2.30	187	1	DNG		04C	+17.64	TEH	TEC	560UL	18	
		2.99	187	1	DNG		FBC	+16.91	TEH	TEC	560UL	18	
25	44	2.36	84	6	MBM		01H	+35.18	TEH	TEC	560UL	19	
25	49	2.45	79	6	MBM		01C	+3.44	TEH	TEC	560UL	19	
25	55	2.02	76	6	MBM		TSC	+9.30	TEH	TEC	560UL	22	
25	61	2.07	185	1	DNG		TSC	+2.79	TEH	TEC	560UL	34	
25	68	3.16	181	1	DNG		AV5	+8.19	TEH	TEC	560UL	37	
		2.35	188	1	DNG		04C	+34.40	TEH	TEC	560UL	37	
25	69	2.72	75	6	MBM		04C	+20.82	TEH	TEC	560UL	36	
		3.06	183	1	DNG		TSC	+10.91	TEH	TEC	560UL	36	
		4.30	183	1	DNG		TSC	+12.03	TEH	TEC	560UL	36	
		2.03	182	1	DNG		TSC	+17.41	TEH	TEC	560UL	36	
25	76	4.46	58	6	MBM		01H	+19.38	TEH	TEC	560UL	36	
25	78	2.01	67	6	MBM		TSH	+6.82	TEH	TEC	560UL	38	
25	79	5.10	82	6	MBM		03H	+10.46	TEH	TEC	560UL	41	
--	80	2.13	82	6	MBM		AV5	+7.86	TEH	TEC	560UL	40	
		2.49	84	6	MBM		AV6	-0.88	TEH	TEC	560UL	40	
		2.53	73	6	MBM		06C	+26.46	TEH	TEC	560UL	40	
25	81	2.86	81	6	MBM		01H	+20.31	TEH	TEC	560UL	41	
		2.30	89	6	MBM		01H	+29.91	TEH	TEC	560UL	41	
		3.37	87	6	MBM		02H	+15.19	TEH	TEC	560UL	41	
25	82	3.83	73	6	MBM		06H	+31.58	TEH	TEC	560UL	40	
25	84	2.22	185	1	DNG		06H	+24.58	TEH	TEC	560UL	40	
25	86	0.23	0	P 2	TWD	15	AV5	+0.02	TEH	TEC	560UL	40	
		0.52	22	3	SAI		TSH	+0.08	TSH	TSH	560PP	45	
25	87	3.06	181	1	DNG		FBC	+12.72	TEH	TEC	560UL	41	
25	93	2.84	81	6	MBM		06H	+33.65	TEH	TEC	560UL	43	
25	96	6.72	90	6	MBM		06H	+34.57	TEH	TEC	560UL	42	
25	111	2.57	81	6	MBM		03H	+26.29	TEH	TEC	560UL	45	
25	113	2.22	181	P 1	DNT		04H	-0.33	TEH	TEC	560UL	45	
25	114	7.00	180	P 1	DNT		04H	-0.37	TEH	TEC	560UL	45	
		6.78	181	P 1	DNT		04H	+0.62	TEH	TEC	560UL	45	
25	115	2.15	182	P 1	DNT		01H	-0.35	TEH	TEC	560UL	45	
		5.09	183	P 1	DNT		04H	-0.33	TEH	TEC	560UL	45	
		4.54	183	P 1	DNT		04H	+0.64	TEH	TEC	560UL	45	
25	116	2.36	181	P 1	DNT		01H	-0.33	TEH	TEC	560UL	45	
		2.79	183	P 1	DNT		01H	+0.70	TEH	TEC	560UL	45	
		9.93	181	P 1	DNT		04H	-0.37	TEH	TEC	560UL	45	
		8.64	182	P 1	DNT		04H	+0.64	TEH	TEC	560UL	45	
26	7	2.40	56	6	MBM		AV1	+13.54	TEH	TEC	560UL	5	
		3.14	51	6	MBM		AV1	+20.74	TEH	TEC	560UL	5	
		2.24	75	6	MBM		AV6	+6.88	TEH	TEC	560UL	5	
		1.58	81	6	MBM		AV6	+14.97	TEH	TEC	560UL	5	
26	15	3.02	68	6	MBM		AV2	+10.55	TEH	TEC	560UL	11	
		3.10	63	6	MBM		AV2	+15.45	TEH	TEC	560UL	11	
		2.27	71	6	MBM		AV5	+6.96	TEH	TEC	560UL	11	

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l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
		2.05	71	6	MBM		AV6	+5.46	TEH	TEC	560UL	11	
		2.58	68	6	MBM		AV6	+8.10	TEH	TEC	560UL	11	
26	21	3.47	85	6	MBM		FBC	+9.75	TEH	TEC	560UL	11	
		5.17	79	6	MBM		AV6	+7.46	TEH	TEC	560UL	11	
26	24	2.81	182	1	DNG		03C	+14.90	TEH	TEC	560UL	15	
		2.14	184	1	DNG		02C	+38.91	TEH	TEC	560UL	15	
26	33	2.23	74	6	MBM		04H	+16.32	TEH	TEC	560UL	17	
		2.64	75	6	MBM		04H	+23.38	TEH	TEC	560UL	17	
26	43	2.04	71	6	MBM		FBC	+13.95	TEH	TEC	560UL	17	
26	46	3.27	56	6	MBM		01C	+2.71	TEH	TEC	560UL	19	
26	47	2.09	72	6	MBM		AV5	+11.60	TEH	TEC	560UL	19	
26	48	0.39	0	P 2	TWD	20	AV5	-0.12	TEH	TEC	560UL	20	
26	49	3.73	75	6	MBM		04H	+16.59	TEH	TEC	560UL	20	
26	51	4.29	74	6	MBM		FBC	+13.17	TEH	TEC	560UL	19	
		3.86	89	6	MBM		AV2	+5.31	TEH	TEC	560UL	19	
		2.38	88	6	MBM		AV2	+6.97	TEH	TEC	560UL	19	
		2.28	76	6	MBM		FBC	+9.45	TEH	TEC	560UL	19	
		0.66	13	P 1	SCI		TSH	+0.15	TSH	TSH	560PP	20	
26	55	3.63	79	6	MBM		06C	+32.86	TEH	TEC	560UL	21	
		5.82	80	6	MBM		06C	+24.43	TEH	TEC	560UL	21	
		2.31	84	6	MBM		06C	+2.85	TEH	TEC	560UL	21	
26	62	3.07	183	1	DNG		04H	+4.62	TEH	TEC	560UL	34	
26	65	4.88	78	6	MBM		04C	+17.77	TEH	TEC	560UL	37	
		6.89	80	6	MBM		04C	+13.15	TEH	TEC	560UL	37	
		7.85	80	6	MBM		04C	+6.39	TEH	TEC	560UL	37	
		8.59	81	6	MBM		04C	+3.33	TEH	TEC	560UL	37	
		5.25	78	6	MBM		04C	-0.67	TEH	TEC	560UL	37	
26	67	2.68	81	6	MBM		01H	+26.44	TEH	TEC	560UL	37	
		4.70	70	6	MBM		01H	+29.94	TEH	TEC	560UL	37	
26	68	2.36	81	6	MBM		TSH	+14.98	TEH	TEC	560UL	36	
		3.38	66	6	MBM		TSH	+16.42	TEH	TEC	560UL	36	
		4.90	178	1	DNG		AV2	+6.30	TEH	TEC	560UL	36	
26	70	3.67	80	6	MBM		02C	+11.86	TEH	TEC	560UL	37	
26	71	3.11	74	6	MBM		05C	+23.96	TEH	TEC	560UL	36	
26	74	2.28	85	6	MBM		02H	+37.42	TEH	TEC	560UL	36	
26	86	0.27	0	P 2	TWD	18	AV1	+0.12	TEH	TEC	560UL	41	
26	88	3.38	82	6	MBM		AV2	+10.98	TEH	TEC	560UL	41	
		2.58	64	6	MBM		AV2	+16.69	TEH	TEC	560UL	41	
26	90	3.14	64	6	MBM		01C	+17.95	TEH	TEC	560UL	41	
26	95	14.44	75	6	MBM		AV1	+2.04	TEH	TEC	560UL	42	
26	113	3.41	180	P 1	DNT		04H	-0.35	TEH	TEC	560UL	44	
		2.52	177	P 1	DNT		04H	+0.66	TEH	TEC	560UL	44	
26	114	0.23	0	P 2	TWD	15	AV4	-0.04	TEH	TEC	560UL	44	
		6.34	181	P 1	DNT		04H	-0.31	TEH	TEC	560UL	44	
		6.82	179	P 1	DNT		04H	+0.73	TEH	TEC	560UL	44	
	115	2.22	182	P 1	DNT		01H	-0.33	TEH	TEC	560UL	44	
		5.17	182	P 1	DNT		04H	-0.31	TEH	TEC	560UL	44	
		5.82	181	P 1	DNT		04H	+0.58	TEH	TEC	560UL	44	
26	116	2.48	89	6	MBM		03C	+24.69	TEH	TEC	560UL	44	
		4.03	74	6	MBM		03C	+5.49	TEH	TEC	560UL	44	

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l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
		5.39	80	6	MBM		03C	+6.86	TEH	TEC	560UL	44	
		3.64	184	P 1	DNT		01H	-0.33	TEH	TEC	560UL	44	
		4.54	182	P 1	DNT		01H	+0.60	TEH	TEC	560UL	44	
		12.34	182	P 1	DNT		04H	-0.25	TEH	TEC	560UL	44	
		9.54	183	P 1	DNT		04H	+0.60	TEH	TEC	560UL	44	
		7.34	78	6	MBM		03C	+21.73	TEH	TEC	560UL	44	
27	9	2.97	187	1	DNG		01H	+15.92	TEH	TEC	560UL	6	
27	10	2.25	83	6	MBM		AV6	+0.93	TEH	TEC	560UL	5	
27	13	4.76	88	6	MBM		FBC	+9.57	TEH	TEC	560UL	12	
		4.03	81	6	MBM		FBC	+3.51	TEH	TEC	560UL	12	
27	18	5.27	70	6	MBM		03C	+23.26	TEH	TEC	560UL	11	
27	20	6.08	86	6	MBM		FBC	+5.56	TEH	TEC	560UL	11	
27	23	10.52	79	6	MBM		01C	+35.43	TEH	TEC	560UL	15	
		6.81	82	6	MBM		01C	+14.17	TEH	TEC	560UL	15	
27	24	2.95	88	6	MBM		01C	+2.98	TEH	TEC	560UL	13	
27	25	7.44	74	6	MBM		06C	+35.78	TEH	TEC	560UL	15	
		3.59	83	6	MBM		01C	+15.90	TEH	TEC	560UL	15	
27	26	5.67	85	6	MBM		02C	+17.10	TEH	TEC	560UL	15	
		7.44	78	6	MBM		FBC	+8.14	TEH	TEC	560UL	15	
[illegible]	29	4.07	82	6	MBM		04C	+29.40	TEH	TEC	560UL	15	
		7.67	80	6	MBM		05C	+13.00	TEH	TEC	560UL	15	
		8.18	87	6	MBM		AV1	+0.71	TEH	TEC	560UL	15	
		6.67	66	6	MBM		AV1	+2.41	TEH	TEC	560UL	15	
27	30	11.73	79	6	MBM		06H	+12.75	TEH	TEC	560UL	16	
		11.98	77	6	MBM		06H	+30.78	TEH	TEC	560UL	16	
27	37	10.11	83	6	MBM		05H	+36.90	TEH	TEC	560UL	18	
		5.05	77	6	MBM		01H	+3.73	TEH	TEC	560UL	18	
27	39	9.72	79	6	MBM		01C	+34.57	TEH	TEC	560UL	18	
		5.14	79	6	MBM		FBC	+10.55	TEH	TEC	560UL	18	
27	40	7.02	83	6	MBM		TSC	+19.12	TEH	TEC	560UL	17	
		3.75	77	6	MBM		01C	+19.57	TEH	TEC	560UL	17	
27	41	12.10	77	6	MBM		05H	+13.54	TEH	TEC	560UL	18	
		5.95	78	6	MBM		03C	+19.41	TEH	TEC	560UL	18	
		4.66	78	6	MBM		02C	+10.79	TEH	TEC	560UL	18	
		6.31	83	6	MBM		01C	+7.35	TEH	TEC	560UL	18	
		6.30	70	6	MBM		01C	+5.58	TEH	TEC	560UL	18	
27	42	7.54	83	6	MBM		01C	+16.37	TEH	TEC	560UL	17	
		2.37	72	6	MBM		05H	+22.02	TEH	TEC	560UL	17	
		5.19	82	6	MBM		05H	+23.98	TEH	TEC	560UL	17	
27	44	2.27	71	6	MBM		01C	+15.95	TEH	TEC	560UL	19	
		4.06	73	6	MBM		01C	+12.55	TEH	TEC	560UL	19	
27	45	3.88	75	6	MBM		01C	+9.11	TEH	TEC	560UL	20	
		4.27	63	6	MBM		02H	+29.67	TEH	TEC	560UL	20	
27	55	3.55	63	6	MBM		AV1	+4.36	TEH	TEC	560UL	22	
27	60	3.48	183	1	DNG		05H	+1.05	TEH	TEC	560UL	21	
	62	2.90	187	1	DNG		05H	+1.99	TEH	TEC	560UL	35	
[illegible]	65	3.01	76	6	MBM		05H	+36.65	TEH	TEC	560UL	36	
27	68	5.02	84	6	MBM		02H	+11.43	TEH	TEC	560UL	37	
		3.66	84	6	MBM		06H	+37.81	TEH	TEC	560UL	37	
27	72	2.66	85	6	MBM		TSH	+6.30	TEH	TEC	560UL	37	

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l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
		3.06	83	6	MBM		03H	+29.76	TEH	TEC	560UL	37	
27	77	2.10	66	6	MBM		TSH	+4.94	TEH	TEC	560UL	38	
27	80	8.24	83	6	MBM		06H	+37.06	STH	TEC	560SN	48	
27	84	5.03	89	6	MBM		06H	+25.73	TEH	TEC	560UL	40	
		3.31	84	6	MBM		06H	+36.94	TEH	TEC	560UL	40	
27	85	6.08	84	6	MBM		04C	+19.38	TEH	TEC	560UL	41	
27	87	4.65	80	6	MBM		07H	+15.07	TEH	TEC	560UL	41	
27	89	2.20	73	6	MBM		02H	+18.06	TEH	TEC	560UL	41	
		2.49	186	1	DNG		05C	+37.22	TEH	TEC	560UL	41	
27	97	2.27	74	6	MBM		TSC	+18.40	TEH	TEC	560UL	43	
27	99	3.83	180	1	DNG		03C	+3.75	STH	TEC	560SN	48	
27	111	2.57	184	1	DNG		06C	+2.95	TEH	TEC	560UL	45	
27	113	2.11	180	P 1	DNT		04H	-0.33	TEH	TEC	560UL	45	
		2.03	182	P 1	DNT		04H	+0.68	TEH	TEC	560UL	45	
27	114	2.59	180	P 1	DNT		01H	-0.33	TEH	TEC	560UL	45	
		2.25	182	P 1	DNT		01H	+0.72	TEH	TEC	560UL	45	
		7.26	180	P 1	DNT		04H	-0.33	TEH	TEC	560UL	45	
		6.98	182	P 1	DNT		04H	+0.66	TEH	TEC	560UL	45	
27	115	0.11	0	P 2	TWD	2	AV6	+0.00	TEH	TEC	560UL	45	
		0.22	0	P 2	TWD	8	AV1	+0.00	TEH	TEC	560UL	45	
		2.71	180	P 1	DNT		01H	-0.35	TEH	TEC	560UL	45	
		2.25	183	P 1	DNT		01H	+0.70	TEH	TEC	560UL	45	
		7.40	181	P 1	DNT		04H	-0.35	TEH	TEC	560UL	45	
		6.06	182	P 1	DNT		04H	+0.66	TEH	TEC	560UL	45	
28	8	5.92	82	6	MBM		04H	+2.54	TEH	TEC	560UL	5	
		0.32	115	P 2	TWD	18	AV1	+0.00	TEH	TEC	560UL	5	
		0.24	19	P 2	TWD	17	AV6	+0.00	TEH	TEC	560UL	5	
		6.19	79	6	MBM		04C	+19.61	TEH	TEC	560UL	5	
		9.38	77	6	MBM		03C	+17.61	TEH	TEC	560UL	5	
		4.63	82	6	MBM		04C	+17.70	TEH	TEC	560UL	5	
		3.59	89	6	MBM		03C	+22.92	TEH	TEC	560UL	5	
28	9	7.50	81	6	MBM		04H	+6.29	TEH	TEC	560UL	5	
		8.37	74	6	MBM		04H	+27.77	TEH	TEC	560UL	5	
		11.31	78	6	MBM		06H	+38.03	TEH	TEC	560UL	5	
		6.97	74	6	MBM		01C	+1.38	TEH	TEC	560UL	5	
28	15	6.04	89	6	MBM		05H	+35.87	TEH	TEC	560UL	11	
28	16	2.88	76	6	MBM		06H	+10.85	TEH	TEC	560UL	12	
		4.48	186	1	DNG		TSC	+8.49	TEH	TEC	560UL	12	
28	17	2.84	76	6	MBM		06C	+35.71	TEH	TEC	560UL	12	
28	21	3.34	185	1	DNG		TSH	+3.70	TEH	TEC	560UL	11	
28	22	3.52	185	1	DNG		FBH	+10.47	TEH	TEC	560UL	15	
		4.08	184	1	DNG		FBH	+15.40	TEH	TEC	560UL	15	
28	23	2.46	185	1	DNG		03H	+15.45	TEH	TEC	560UL	13	
		2.17	184	1	DNG		AV2	+4.25	TEH	TEC	560UL	13	
		3.07	183	1	DNG		AV4	+5.38	TEH	TEC	560UL	13	
		2.15	184	1	DNG		03H	+21.60	TEH	TEC	560UL	13	
28	27	2.77	69	6	MBM		01H	+4.71	TEH	TEC	560UL	16	
		6.41	64	6	MBM		05H	+33.70	TEH	TEC	560UL	16	
28	31	2.89	67	6	MBM		FBC	+11.62	TEH	TEC	560UL	17	
		3.27	35	6	MBM		TSC	+9.60	TEH	TEC	560UL	17	

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l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
28	37	2.93	80	6	MBM		05C	+9.78	TEH	TEC	560UL	17	
28	42	4.56	87	6	MBM		07H	+8.84	TEH	TEC	560UL	18	
28	64	2.02	81	6	MBM		FBC	+2.02	TEH	TEC	560UL	36	
28	67	5.72	84	6	MBM		01H	+6.80	TEH	TEC	560UL	37	
		6.09	81	6	MBM		02H	+10.31	TEH	TEC	560UL	37	
28	70	4.11	74	6	MBM		TSH	+14.96	TEH	TEC	560UL	37	
		3.70	85	6	MBM		AV6	+7.91	TEH	TEC	560UL	37	
28	71	2.46	184	1	DNG		01H	+13.32	TEH	TEC	560UL	37	
28	81	8.73	74	6	MBM		TSC	+4.21	TEH	TEC	560UL	40	
28	84	11.54	81	6	MBM		05H	+15.64	TEH	TEC	560UL	41	
		3.64	75	6	MBM		06C	+26.99	TEH	TEC	560UL	41	
		6.31	80	6	MBM		06C	+24.14	TEH	TEC	560UL	41	
		3.76	85	6	MBM		05C	+35.44	TEH	TEC	560UL	41	
		5.22	79	6	MBM		05C	+28.53	TEH	TEC	560UL	41	
		9.11	81	6	MBM		03C	+36.34	TEH	TEC	560UL	41	
		8.46	81	6	MBM		03C	+34.10	TEH	TEC	560UL	41	
		9.44	82	6	MBM		02C	+10.15	TEH	TEC	560UL	41	
		3.45	85	6	MBM		01C	+2.92	TEH	TEC	560UL	41	
		3.51	83	6	MBM		TSC	+15.01	TEH	TEC	560UL	41	
		4.33	84	6	MBM		TSC	+6.19	TEH	TEC	560UL	41	
	85	3.77	85	6	MBM		05C	+8.03	TEH	TEC	560UL	40	
		2.26	82	6	MBM		05C	+6.10	TEH	TEC	560UL	40	
		3.16	71	6	MBM		05C	+1.66	TEH	TEC	560UL	40	
		3.22	83	6	MBM		05C	+3.40	TEH	TEC	560UL	40	
28	86	6.27	59	6	MBM		01C	+11.44	TEH	TEC	560UL	41	
28	87	7.27	89	6	MBM		TSH	+2.82	TEH	TEC	560UL	40	
		4.29	73	6	MBM		03H	+16.97	TEH	TEC	560UL	40	
		8.15	80	6	MBM		03H	+21.75	TEH	TEC	560UL	40	
		6.47	86	6	MBM		AV2	+2.99	TEH	TEC	560UL	40	
		7.78	59	6	MBM		AV6	+13.01	TEH	TEC	560UL	40	
		9.32	58	6	MBM		AV6	+16.97	TEH	TEC	560UL	40	
		5.90	77	6	MBM		06C	+28.63	TEH	TEC	560UL	40	
28	88	4.10	82	6	MBM		02H	+33.82	TEH	TEC	560UL	41	
28	110	6.30	84	6	MBM		TSH	+13.24	TEH	TEC	560UL	45	
		7.72	85	6	MBM		06H	+16.70	TEH	TEC	560UL	45	
		2.90	72	6	MBM		06H	+18.30	TEH	TEC	560UL	45	
28	111	5.37	73	6	MBM		AV1	+3.61	TEH	TEC	560UL	44	
		3.06	85	6	MBM		03C	+10.15	TEH	TEC	560UL	44	
28	112	2.28	182	P 1	DNT		04H	-0.27	TEH	TEC	560UL	45	
		2.00	181	P 1	DNT		04H	+0.68	TEH	TEC	560UL	45	
28	113	2.55	181	P 1	DNT		04H	-0.27	TEH	TEC	560UL	44	
		3.24	179	P 1	DNT		04H	+0.75	TEH	TEC	560UL	44	
28	114	2.14	182	P 1	DNT		04C	+0.62	TEH	TEC	560UL	44	
		2.46	180	P 1	DNT		04C	-0.37	TEH	TEC	560UL	44	
		7.73	182	P 1	DNT		04H	-0.33	TEH	TEC	560UL	44	
		9.72	180	P 1	DNT		04H	+0.68	TEH	TEC	560UL	44	
		2.17	179	P 1	DNT		01H	+0.74	TEH	TEC	560UL	44	
		2.11	181	P 1	DNT		07H	+0.54	TEH	TEC	560UL	44	
28	115	10.60	179	P 1	DNT		04H	+0.70	TEH	TEC	560UL	44	
		8.23	181	P 1	DNT		04H	-0.29	TEH	TEC	560UL	44	

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QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION			EXT	EXT	PROBE	CAL#	COMMENT1
		2.61	179	P 1	DNT		01H	+0.74		TEH	TEC	560UL	44	
29	11	3.22	77	6	MBM		03C	+36.60		TEH	TEC	560UL	11	
29	12	3.51	75	6	MBM		04H	+31.23		TEH	TEC	560UL	11	
29	21	5.46	66	6	MBM		AV2	+0.59		TEH	TEC	560UL	12	
29	22	2.63	86	6	MBM		04C	+5.14		TEH	TEC	560UL	13	
29	29	2.45	77	6	MBM		04C	+33.63		TEH	TEC	560UL	15	
29	33	3.25	180	1	DNG		06C	+27.12		TEH	TEC	560UL	18	
29	38	3.62	182	1	DNG		06H	+23.49		TEH	TEC	560UL	17	
29	39	3.66	86	6	MBM		04C	+16.70		TEH	TEC	560UL	18	
29	79	5.64	79	6	MBM		03H	+8.03	TO+14.8	TEH	TEC	560UL	38	
29	81	2.72	182	1	DNG		06H	+10.09		TEH	TEC	560UL	41	
29	92	4.02	85	6	MBM		03H	+32.86		TEH	TEC	560UL	40	
		2.58	82	6	MBM		01C	+10.53		TEH	TEC	560UL	40	
29	94	3.10	78	6	MBM		04H	+15.34		TEH	TEC	560UL	42	
29	97	2.52	184	1	DNG		03H	+3.16		TEH	TEC	560UL	43	
		2.42	184	1	DNG		03H	+9.52		TEH	TEC	560UL	43	
29	106	3.32	73	6	MBM		04C	+8.71		TEH	TEC	560UL	42	
		2.89	187	1	DNG		01C	+29.38		TEH	TEC	560UL	42	
		2.29	186	1	DNG		01C	+28.02		TEH	TEC	560UL	42	
		2.98	188	1	DNG		01C	+23.16		TEH	TEC	560UL	42	
	107	2.35	84	6	MBM		FBH	+12.45		TEH	TEC	560UL	44	
29	112	3.10	178	P 1	DNT		04H	-0.31		TEH	TEC	560UL	44	
29	113	3.64	180	P 1	DNT		04H	-0.33		TEH	TEC	560UL	45	
		2.53	180	P 1	DNT		04H	+0.72		TEH	TEC	560UL	45	
29	114	2.39	179	P 1	DNT		01H	-0.31		TEH	TEC	560UL	45	
		7.86	180	P 1	DNT		04H	-0.31		TEH	TEC	560UL	45	
		5.47	181	P 1	DNT		04H	+0.64		TEH	TEC	560UL	45	
		0.38	0	P 2	TWD	20	AV6	+0.00		TEH	TEC	560UL	45	
		0.11	0	P 2	TWD	13	AV5	+0.00		TEH	TEC	560UL	45	
		0.37	0	P 2	TWD	19	AV2	+0.00		TEH	TEC	560UL	45	
30	29	2.87	79	6	MBM		01C	+27.25		TEH	TEC	560UL	16	
30	31	12.81	80	6	MBM		05C	+16.12		TEH	TEC	560UL	17	
		3.13	184	1	DNG		02C	+1.16		TEH	TEC	560UL	17	
30	33	2.86	67	6	MBM		07H	+10.29		TEH	TEC	560UL	17	
		4.47	79	6	MBM		07H	+16.74		TEH	TEC	560UL	17	
30	35	3.00	86	6	MBM		06C	+22.45		TEH	TEC	560UL	17	
		4.04	72	6	MBM		02C	+25.12		TEH	TEC	560UL	17	
30	41	2.58	87	6	MBM		03H	+18.31		TEH	TEC	560UL	17	
30	43	4.63	182	1	DNG		04C	+11.56		TEH	TEC	560UL	17	
30	45	4.85	72	6	MBM		01C	+37.80		TEH	TEC	560UL	19	
		4.67	74	6	MBM		01C	+7.61		TEH	TEC	560UL	19	
30	46	4.45	76	6	MBM		01H	+28.92		TEH	TEC	560UL	19	
		3.13	79	6	MBM		06C	+6.96		TEH	TEC	560UL	19	
30	48	5.33	89	6	MBM		05H	+22.81		TEH	TEC	560UL	20	
30	66	9.24	84	6	MBM		AV6	+1.82		TEH	TEC	560UL	36	
	71	2.44	72	6	MBM		01H	+16.82		TEH	TEC	560UL	37	
[illegible]	75	3.15	185	1	DNG		AV4	+3.93		TEH	TEC	560UL	37	
30	80	2.03	70	6	MBM		06C	+23.04		TEH	TEC	560UL	40	
		2.44	67	6	MBM		06C	+19.34		TEH	TEC	560UL	40	
30	81	0.36	18	P 1	SCI		TSH	+0.02		TSH	TSH	560PP	43	

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QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
30	84	4.20	186	1	DNG		01H	+38.27	TEH	TEC	560UL	41	
30	86	2.11	72	6	MBM		03C	+4.57	TEH	TEC	560UL	41	
30	93	4.06	184	P 1	DNT		01C	-0.60	TEH	TEC	560UL	43	
30	95	3.55	181	P 1	DNT		07H	+0.22	TEH	TEC	560UL	42	
30	103	2.36	76	6	MBM		02C	+32.67	TEH	TEC	560UL	42	
30	112	2.52	183	P 1	DNT		04H	-0.31	TEH	TEC	560UL	45	
30	113	3.14	180	P 1	DNT		04H	-0.29	TEH	TEC	560UL	44	
		2.47	176	P 1	DNT		04H	+0.72	TEH	TEC	560UL	44	
30	114	3.64	182	1	DNG		04C	+32.63	TEH	TEC	560UL	44	
		2.17	178	P 1	DNT		04C	-0.35	TEH	TEC	560UL	44	
		5.99	181	P 1	DNT		04H	-0.31	TEH	TEC	560UL	44	
		5.79	179	P 1	DNT		04H	+0.68	TEH	TEC	560UL	44	
		2.09	178	P 1	DNT		01H	+0.70	TEH	TEC	560UL	44	
31	10	2.34	87	6	MBM		05C	+37.53	TEH	TEC	560UL	5	
		4.48	77	6	MBM		04C	+15.06	TEH	TEC	560UL	5	
31	11	0.62	57	P 2	TWD	23	AV5	-0.15	TEH	TEC	560UL	11	
31	12	8.89	78	6	MBM		FBC	+4.94	TEH	TEC	560UL	11	
31	16	2.19	62	6	MBM		FBC	+6.05	TEH	TEC	560UL	11	
31	18	5.66	78	6	MBM		06H	+19.58	TEH	TEC	560UL	11	
	33	2.86	183	1	DNG		06C	+31.35	TEH	TEC	560UL	18	
		6.36	183	1	DNG		06C	+32.37	TEH	TEC	560UL	18	
31	42	2.81	89	6	MBM		04H	+3.22	TEH	TEC	560UL	17	
		2.36	62	6	MBM		01C	+12.76	TEH	TEC	560UL	17	
31	47	4.20	186	1	DNG		03C	+31.24	TEH	TEC	560UL	20	
		3.21	187	1	DNG		05C	+10.94	TEH	TEC	560UL	20	
31	58	2.77	63	6	MBM		AV6	+0.57	TEH	TEC	560UL	21	
31	59	5.85	84	6	MBM		01C	+16.23	TEH	TEC	560UL	22	
31	62	2.33	189	1	DNG		05C	+20.48	TEH	TEC	560UL	34	
31	74	3.54	81	6	MBM		FBH	+3.45	TEH	TEC	560UL	37	
		4.98	80	6	MBM		01H	+32.71	TEH	TEC	560UL	37	
31	79	2.90	72	6	MBM		04C	+2.45	TEH	TEC	560UL	38	
31	80	3.06	72	6	MBM		05H	+14.68	TEH	TEC	560UL	41	
		4.00	85	6	MBM		AV5	+2.83	TEH	TEC	560UL	41	
		4.56	53	6	MBM		AV5	+7.58	TEH	TEC	560UL	41	
		4.57	53	6	MBM		AV5	+10.54	TEH	TEC	560UL	41	
31	85	4.07	70	6	MBM		02H	+23.22	TEH	TEC	560UL	41	
31	87	3.11	178	P 1	DNT		07C	+0.38	TEH	TEC	560UL	41	
31	88	2.08	65	6	MBM		02H	+5.00	TEH	TEC	560UL	40	
31	90	3.80	184	1	DNG		02C	+19.43	STH	TEC	560SN	48	
31	94	0.88	20	3	SAI		TSH	+0.04	TSH	TSH	560PP	45	
		4.59	77	6	MBM		03C	+33.22	TEH	TEC	560UL	42	
31	96	6.04	179	P 1	DNT		07C	+0.38	TEH	TEC	560UL	42	
		2.21	182	P 1	DNT		07C	-0.56	TEH	TEC	560UL	42	
31	97	0.53	13	P 1	SCI		TSH	-4.62	TSH	TSH	560PP	44	
		0.28	7	P 1	SCI		TSH	-4.33	TSH	TSH	560PP	44	
	101	0.15	0	P 2	TWD	11	AV3	+0.06	TEH	TEC	560UL	43	
31	105	3.33	178	P 1	DNT		07H	+0.58	TEH	TEC	560UL	43	
31	109	0.24	0	P 2	TWD	17	AV4	+0.00	TEH	TEC	560UL	45	
31	110	2.53	76	6	MBM		02H	+19.29	TEH	TEC	560UL	44	
		0.21	0	P 2	TWD	15	AV5	-0.27	TEH	TEC	560UL	44	

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1 Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
31	111	0.10	0	P 2	TWD	13	AV6	+0.00	TEH	TEC	560UL	45	
		0.13	0	P 2	TWD	14	AV5	+0.00	TEH	TEC	560UL	45	
		0.27	0	P 2	TWD	17	AV3	+0.00	TEH	TEC	560UL	45	
31	112	0.34	0	P 2	TWD	18	AV4	-0.13	TEH	TEC	560UL	44	
		2.34	182	P 1	DNT		04H	-0.29	TEH	TEC	560UL	44	
		2.22	182	P 1	DNT		04H	+0.68	TEH	TEC	560UL	44	
31	113	3.14	180	P 1	DNT		04H	-0.33	TEH	TEC	560UL	45	
		2.67	179	P 1	DNT		04H	+0.70	TEH	TEC	560UL	45	
32	11	3.09	85	6	MBM		05C	+34.99	TEH	TEC	560UL	12	
		0.29	0	P 2	TWD	18	AV2	-0.04	TEH	TEC	560UL	12	
		0.47	0	P 2	TWD	21	AV5	+0.15	TEH	TEC	560UL	12	
32	12	0.59	0	P 2	TWD	24	AV3	+0.06	TEH	TEC	560UL	12	
		0.17	0	P 2	TWD	16	AV4	+0.00	TEH	TEC	560UL	12	
32	14	0.17	0	P 2	TWD	7	AV3	+0.00	TEH	TEC	560UL	12	
32	16	3.73	72	6	MBM		01H	+7.14	TEH	TEC	560UL	12	
32	20	2.83	66	6	MBM		02C	+7.51	TEH	TEC	560UL	12	
32	21	3.52	85	6	MBM		02H	+20.15	TEH	TEC	560UL	11	
		3.56	67	6	MBM		05H	+32.62	TEH	TEC	560UL	11	
32	22	3.22	186	1	DNG		05C	+33.20	TEH	TEC	560UL	15	
		0.65	0	P 2	TWD	23	AV2	+0.00	TEH	TEC	560UL	15	
	24	2.79	68	6	MBM		04H	+25.76	TEH	TEC	560UL	15	
32	29	2.15	72	6	MBM		05H	+30.63	TEH	TEC	560UL	16	
		2.81	63	6	MBM		AV5	+7.17	TEH	TEC	560UL	16	
32	43	0.32	0	P 2	TWD	18	AV2	+0.00	TEH	TEC	560UL	17	
		0.15	0	P 2	TWD	14	AV3	+0.00	TEH	TEC	560UL	17	
32	44	2.87	180	P 1	DNT		07H	+0.58	TEH	TEC	560UL	20	
32	46	3.51	48	6	MBM		03H	+25.45	TEH	TEC	560UL	19	
32	48	4.28	85	6	MBM		04C	+13.21	TEH	TEC	560UL	20	
		5.34	185	1	DNG		02H	+19.75	TEH	TEC	560UL	20	
		0.37	0	P 2	TWD	19	AV3	-0.21	TEH	TEC	560UL	20	
		0.31	0	P 2	TWD	18	AV4	-0.15	TEH	TEC	560UL	20	
		0.39	37	P 2	TWD	20	AV6	-0.17	TEH	TEC	560UL	20	
32	49	2.55	89	6	MBM		02C	+1.79	TEH	TEC	560UL	19	
32	56	2.95	78	6	MBM		06H	+33.18	TEH	TEC	560UL	22	
32	60	2.80	185	1	DNG		04C	+33.26	TEH	TEC	560UL	21	
32	70	4.13	79	6	MBM		01H	+7.79	TEH	TEC	560UL	37	
		2.40	89	6	MBM		01H	+10.21	TEH	TEC	560UL	37	
		2.30	88	6	MBM		02H	+3.11	TEH	TEC	560UL	37	
32	75	2.53	183	1	DNG		AV6	+13.78	TEH	TEC	560UL	37	
32	76	0.19	56	P 2	TWD	17	AV6	-0.10	TEH	TEC	560UL	37	
32	77	2.18	181	P 1	DNT		AV4	+0.50	TEH	TEC	560UL	38	
32	78	0.46	0	P 2	TWD	21	AV6	+0.00	TEH	TEC	560UL	38	
32	88	5.37	179	P 1	DNT		07C	+0.38	TEH	TEC	560UL	41	
		2.18	179	P 1	DNT		07C	-0.75	TEH	TEC	560UL	41	
		6.19	179	P 1	DNT		07H	+0.39	TEH	TEC	560UL	41	
	95	2.36	178	P 1	DNT		07C	-0.25	TEH	TEC	560UL	42	
32	97	0.23	0	P 2	TWD	19	AV3	+0.00	TEH	TEC	560UL	42	
		0.27	0	P 2	TWD	20	AV2	+0.00	TEH	TEC	560UL	42	
32	106	0.12	0	P 2	TWD	11	AV3	-0.02	TEH	TEC	560UL	43	
		0.17	0	P 2	TWD	12	AV4	-0.04	TEH	TEC	560UL	43	

10/99 RF10 - SGA
l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
32	110	5.87	76	6	MBM		04C	+2.55	TEH	TEC	560UL	45	
		0.22	0	P 2	TWD	16	AV4	+0.00	TEH	TEC	560UL	45	
32	111	6.57	75	6	MBM		01H	+5.85	TEH	TEC	560UL	44	
		5.03	80	6	MBM		01H	+9.37	TEH	TEC	560UL	44	
		5.67	86	6	MBM		01H	+11.55	TEH	TEC	560UL	44	
		3.32	83	6	MBM		03H	+11.21	TEH	TEC	560UL	44	
32	112	0.38	0	P 2	TWD	13	AV1	+0.00	TEH	TEC	560UL	45	
		0.52	0	P 2	TWD	18	AV2	+0.00	TEH	TEC	560UL	45	
		0.21	0	P 2	TWD	7	AV5	+0.00	TEH	TEC	560UL	45	
		0.22	0	P 2	TWD	8	AV6	+0.00	TEH	TEC	560UL	45	
32	113	3.31	179	P 1	DNT		04H	+0.68	TEH	TEC	560UL	44	
		2.51	181	P 1	DNT		04H	-0.31	TEH	TEC	560UL	44	
33	11	1.19	63	P 2	TWD	32	AV2	-0.02	TEH	TEC	560UL	11	
		0.14	87	P 2	TWD	13	AV1	+0.08	TEH	TEC	560UL	11	
		0.42	39	P 2	TWD	19	AV5	+0.04	TEH	TEC	560UL	11	
		2.00	182	1	DNG		02C	+4.35	TEH	TEC	560UL	11	
33	12	0.34	34	P 2	TWD	17	AV3	-0.02	TEH	TEC	560UL	11	
33	14	0.26	37	P 2	TWD	16	AV4	-0.29	TEH	TEC	560UL	11	
33	19	2.55	67	6	MBM		01H	+29.18	TEH	TEC	560UL	12	
		2.59	86	6	MBM		04H	+3.40	TEH	TEC	560UL	12	
	32	2.29	182	1	DNG		01H	+14.63	TEH	TEC	560UL	17	
33	38	2.34	172	P 1	DNT		07C	+0.36	TEH	TEC	560UL	17	
33	43	4.44	188	1	DNG		FBH	+16.53	TEH	TEC	560UL	18	
33	44	9.19	182	1	DNG		07H	+9.43	TEH	TEC	560UL	19	
33	45	2.77	73	6	MBM		04H	+15.65	TEH	TEC	560UL	20	
33	51	2.38	183	1	DNG		01C	+38.79	TEH	TEC	560UL	20	
33	53	3.32	181	1	DNG		03H	+21.67	TEH	TEC	560UL	20	
33	55	3.90	180	P 1	DNT		07H	+0.37	TEH	TEC	560UL	20	
33	57	2.36	182	1	DNG		02H	+19.03	TEH	TEC	560UL	22	
33	62	3.17	83	6	MBM		FBC	+15.83	TEH	TEC	560UL	34	
33	64	0.23	24	P 1	SCI		TSH	-0.34	TSH	TSH	560PP	41	
33	68	3.96	89	6	MBM		04H	+11.98	TEH	TEC	560UL	36	
33	71	0.26	15	P 1	MCI		TSH	+0.00	TSH	TSH	560PP	40	
33	74	3.62	182	1	DNG		06H	+36.59	TEH	TEC	560UL	37	
33	76	2.02	74	6	MBM		FBC	+7.40	TEH	TEC	560UL	36	
		2.04	88	6	MBM		TSC	+2.51	TEH	TEC	560UL	36	
		2.25	73	6	MBM		AV6	+14.35	TEH	TEC	560UL	36	
33	77	2.31	68	6	MBM		AV2	+1.04	TEH	TEC	560UL	38	
33	79	2.17	68	6	MBM		01H	+3.17	TEH	TEC	560UL	38	
		4.20	87	6	MBM		05H	+6.37	TEH	TEC	560UL	38	
33	80	2.68	85	6	MBM		03H	+15.04	TEH	TEC	560UL	41	
		2.69	78	6	MBM		05H	+5.75	TEH	TEC	560UL	41	
		2.05	84	6	MBM		01C	+32.37	TEH	TEC	560UL	41	
33	81	2.43	183	1	DNG		AV1	+2.37	TEH	TEC	560UL	41	
33	83	2.17	78	6	MBM		TSH	+11.48	TEH	TEC	560UL	41	
		2.37	73	6	MBM		AV3	+6.29	TEH	TEC	560UL	41	
33	84	2.17	88	6	MBM		01H	+31.79	TEH	TEC	560UL	40	
		2.29	86	6	MBM		04H	+27.12	TEH	TEC	560UL	40	
33	88	2.14	177	P 1	DNT		07H	+0.58	TEH	TEC	560UL	40	
33	91	2.84	82	6	MBM		02C	+11.76	TEH	TEC	560UL	41	

10/99 RF10 - SGA
l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
33	92	2.59	179	1	DNG		TSH	+6.44	TEH	TEC	560UL	40	
		3.69	184	1	DNG		TSH	+7.55	TEH	TEC	560UL	40	
33	94	2.20	80	6	MBM		01H	+38.10	TEH	TEC	560UL	42	
		3.99	86	6	MBM		02H	+21.28	TEH	TEC	560UL	42	
		5.75	80	6	MBM		01H	+37.13	TEH	TEC	560UL	42	
		2.95	79	6	MBM		02H	+1.36	TEH	TEC	560UL	42	
33	95	5.16	82	6	MBM		04C	+36.09	TEH	TEC	560UL	43	
33	96	7.38	79	6	MBM		03C	+36.77	TEH	TEC	560UL	42	
		3.52	181	P 1	DNT		07C	-0.02	TEH	TEC	560UL	42	
		2.07	184	1	DNG		06C	+39.56	TEH	TEC	560UL	42	
		3.09	182	1	DNG		06H	+39.76	TEH	TEC	560UL	42	
33	97	4.58	82	6	MBM		05H	+31.94	TEH	TEC	560UL	43	
33	100	9.50	77	6	MBM		05H	+6.27	TEH	TEC	560UL	42	
33	103	0.21	0	P 2	TWD	13	AV3	+0.06	TEH	TEC	560UL	43	
33	105	0.22	0	P 2	TWD	14	AV5	-0.21	TEH	TEC	560UL	43	
33	109	2.69	189	1	DNG		FBC	+13.09	TEH	TEC	560UL	45	
		0.17	0	P 2	TWD	15	AV2	+0.00	TEH	TEC	560UL	45	
		0.13	0	P 2	TWD	14	AV4	+0.00	TEH	TEC	560UL	45	
		0.14	0	P 2	TWD	14	AV5	+0.00	TEH	TEC	560UL	45	
		0.14	0	P 2	TWD	14	AV6	+0.00	TEH	TEC	560UL	45	
	111	0.64	0	P 2	TWD	25	AV5	+0.00	TEH	TEC	560UL	45	
		0.42	0	P 2	TWD	21	AV3	+0.00	TEH	TEC	560UL	45	
		0.10	0	P 2	TWD	13	AV2	+0.00	TEH	TEC	560UL	45	
33	112	13.37	182	1	DNG		AV2	+10.05	TEH	TEC	560UL	44	
		11.76	182	1	DNG		AV3	+1.86	TEH	TEC	560UL	44	
		7.49	181	P 1	DNT		AV4	+0.02	TEH	TEC	560UL	44	
34	25	3.05	187	1	DNG		01H	+38.87	TEH	TEC	560UL	15	
		2.31	187	1	DNG		02C	+29.00	TEH	TEC	560UL	15	
34	43	3.07	81	6	MBM		04H	+36.27	TEH	TEC	560UL	17	
34	45	7.57	34	6	MBM		AV2	+7.11	TEH	TEC	560UL	19	
		2.47	71	6	MBM		05C	+8.72	TEH	TEC	560UL	19	
		2.73	78	6	MBM		01C	+10.56	TEH	TEC	560UL	19	
34	54	2.08	82	6	MBM		05C	+31.47	TEH	TEC	560UL	19	
		2.02	80	6	MBM		06H	+15.18	TEH	TEC	560UL	19	
34	62	3.47	76	6	MBM		02C	+11.13	TEH	TEC	560UL	35	
34	63	2.73	80	6	MBM		05C	+30.22	TEH	TEC	560UL	35	
34	66	3.72	77	6	MBM		02C	+24.14	TEH	TEC	560UL	36	
34	68	5.47	81	6	MBM		02H	+2.97	TEH	TEC	560UL	37	
34	72	0.11	90	P 1	SVI		TSH	+0.30	TSH	TSH	560PP	40	
34	74	2.09	186	1	DNG		TSH	+11.26	TEH	TEC	560UL	36	
		3.33	186	1	DNG		TSH	+12.40	TEH	TEC	560UL	36	
34	76	2.18	182	1	DNG		07H	+7.07	TEH	TEC	560UL	38	
34	78	2.29	86	6	MBM		AV6	+19.75	TEH	TEC	560UL	38	
34	79	0.38	0	P 2	TWD	19	AV1	+0.00	TEH	TEC	560UL	38	
		0.34	0	P 2	TWD	18	AV2	+0.00	TEH	TEC	560UL	38	
	87	2.69	184	1	DNG		06H	+34.03	TEH	TEC	560UL	41	
34	97	2.73	79	6	MBM		01H	+15.18	TEH	TEC	560UL	42	
34	108	2.08	184	1	DNG		03H	+10.83	TEH	TEC	560UL	45	
		4.51	184	1	DNG		03C	+14.43	TEH	TEC	560UL	45	
34	110	2.81	181	P 1	DNT		07C	+0.36	TEH	TEC	560UL	45	

10/99 RF10 - SGA
l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
35	13	2.67	187	1	DNG		03H	+24.06	TEH	TEC	560UL	12	
		2.98	187	1	DNG		AV1	+10.01	TEH	TEC	560UL	12	
		0.22	0	P 2	TWD	17	AV1	+0.00	TEH	TEC	560UL	12	
35	14	0.12	56	P 2	TWD	12	AV4	-0.19	TEH	TEC	560UL	11	
35	16	3.39	83	6	MBM		05H	+4.91	TEH	TEC	560UL	11	
35	17	0.34	125	P 2	TWD	17	AV4	-0.17	TEH	TEC	560UL	11	
35	18	2.92	74	6	MBM		AV6	+17.40	TEH	TEC	560UL	11	
		3.57	79	6	MBM		04C	+10.20	TEH	TEC	560UL	11	
		2.10	84	6	MBM		01C	+38.22	TEH	TEC	560UL	11	
35	20	0.55	54	P 2	TWD	22	AV3	-0.02	TEH	TEC	560UL	11	
35	25	2.44	82	6	MBM		01C	+6.63	TEH	TEC	560UL	15	
35	36	8.07	89	6	MBM		FBH	+2.78	TEH	TEC	560UL	17	
		6.22	71	6	MBM		02H	+22.83	TEH	TEC	560UL	17	
35	44	3.74	75	6	MBM		05C	+16.93	TEH	TEC	560UL	19	
35	47	0.41	0	P 2	TWD	20	AV2	-0.19	TEH	TEC	560UL	20	
		0.72	0	P 2	TWD	26	AV4	-0.02	TEH	TEC	560UL	20	
		0.38	0	P 2	TWD	19	AV5	+0.33	TEH	TEC	560UL	20	
		2.86	187	1	DNG		02C	+11.94	TEH	TEC	560UL	20	
35	50	2.25	176	P 1	DNT		07H	+0.54	TEH	TEC	560UL	19	
--	64	2.68	80	6	MBM		02H	+10.55	TEH	TEC	560UL	37	
	65	2.46	84	6	MBM		06C	+33.73	TEH	TEC	560UL	37	
35	72	3.28	177	P 1	DNT		07C	-0.59	TEH	TEC	560UL	37	
		5.34	178	P 1	DNT		07C	+0.38	TEH	TEC	560UL	37	
		2.58	85	6	MBM		04H	+20.43	TEH	TEC	560UL	37	
		2.16	77	6	MBM		04H	+24.16	TEH	TEC	560UL	37	
		2.09	75	6	MBM		01H	+9.72	TEH	TEC	560UL	37	
35	73	3.06	74	6	MBM		01H	+13.61	TEH	TEC	560UL	37	
35	76	2.48	72	6	MBM		06H	+3.41	TEH	TEC	560UL	38	
35	77	2.10	182	P 1	DNT		07C	-0.15	TEH	TEC	560UL	38	
35	79	3.33	73	6	MBM		06C	+20.54	TEH	TEC	560UL	38	
35	80	0.56	16	3	SAI		TSH	+0.11	TSH	TSH	560PP	42	
35	87	2.58	77	6	MBM		04C	+35.76	TEH	TEC	560UL	40	
		2.99	76	6	MBM		05C	+13.03	TEH	TEC	560UL	40	
		2.52	80	6	MBM		05C	+9.43	TEH	TEC	560UL	40	
35	100	2.32	72	6	MBM		06H	+9.01	TEH	TEC	560UL	43	
35	101	2.35	184	1	DNG		06C	+36.01	TEH	TEC	560UL	43	
35	104	3.09	182	1	DNG		05C	+10.71	TEH	TEC	560UL	42	
35	105	2.39	180	P 1	DNT		07C	-0.19	TEH	TEC	560UL	43	
35	106	7.73	182	1	DNG		06H	+30.38	TEH	TEC	560UL	42	
		2.60	176	1	DNG		07C	-0.65	TEH	TEC	560UL	42	
		4.13	183	1	DNG		06C	+31.97	TEH	TEC	560UL	42	
		2.02	184	P 1	DNT		07C	+0.41	TEH	TEC	560UL	42	
		2.14	184	1	DNG		06H	+29.33	TEH	TEC	560UL	42	
		4.09	183	1	DNG		06C	+38.01	TEH	TEC	560UL	42	
35	107	3.16	183	1	DNG		06H	+34.25	TEH	TEC	560UL	44	
		2.82	183	1	DNG		06C	+32.79	TEH	TEC	560UL	44	
		2.37	183	1	DNG		06C	+31.78	TEH	TEC	560UL	44	
35	108	2.73	71	6	MBM		03C	+33.94	TEH	TEC	560UL	44	
35	110	2.86	181	P 1	DNT		07C	+0.31	TEH	TEC	560UL	44	
36	13	0.38	67	P 2	TWD	18	AV1	+0.06	TEH	TEC	560UL	11	

10/99 RF10 - SGA
l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
		0.73	49	P 2	TWD	25	AV4	+0.04	TEH	TEC	560UL	11	
36	15	0.33	78	P 2	TWD	17	AV4	+0.13	TEH	TEC	560UL	11	
36	18	2.46	184	1	DNG		AV3	+11.32	TEH	TEC	560UL	12	
36	20	2.29	77	6	MBM		04H	+1.77	TEH	TEC	560UL	12	
36	22	0.23	0	P 2	TWD	16	AV4	+0.00	TEH	TEC	560UL	15	
		2.09	185	1	DNG		04H	+26.82	TEH	TEC	560UL	15	
36	23	0.27	27	P 2	TWD	17	AV4	+0.04	TEH	TEC	560UL	13	
36	24	3.70	181	P 1	DNT		07H	+0.52	TEH	TEC	560UL	15	
		3.52	183	1	DNG		06C	+37.12	TEH	TEC	560UL	15	
36	28	2.20	67	6	MBM		01C	+29.37	TEH	TEC	560UL	15	
36	31	2.61	84	6	MBM		02H	+29.97	TEH	TEC	560UL	17	
36	32	3.73	73	6	MBM		06H	+17.55	TEH	TEC	560UL	18	
36	41	4.14	176	P 1	DNT		07C	+0.31	TEH	TEC	560UL	17	
36	43	4.14	183	1	DNG		01C	+1.55	TEH	TEC	560UL	17	
36	44	2.41	80	6	MBM		02H	+28.09	TEH	TEC	560UL	20	
		3.77	186	1	DNG		03C	+4.30	TEH	TEC	560UL	20	
36	46	4.31	85	6	MBM		03H	+21.01	TEH	TEC	560UL	19	
		5.41	80	6	MBM		04C	+8.21	TEH	TEC	560UL	19	
		2.59	82	6	MBM		04C	+2.86	TEH	TEC	560UL	19	
		2.03	84	6	MBM		03C	+38.54	TEH	TEC	560UL	19	
		2.13	81	6	MBM		03C	+24.82	TEH	TEC	560UL	19	
36	47	6.23	69	6	MBM		03C	+20.45	TEH	TEC	560UL	19	
36	50	3.95	180	P 1	DNT		07H	+0.37	TEH	TEC	560UL	20	
36	55	5.92	73	6	MBM		05C	+21.01	TEH	TEC	560UL	19	
		5.94	73	6	MBM		05C	+18.82	TEH	TEC	560UL	19	
		4.63	82	6	MBM		05C	+15.02	TEH	TEC	560UL	19	
36	59	2.71	74	6	MBM		06H	+2.46	TEH	TEC	560UL	21	
36	75	2.29	69	6	MBM		01C	+25.13	TEH	TEC	560UL	37	
36	76	2.79	178	P 1	DNT		07C	+0.38	TEH	TEC	560UL	38	
36	78	3.50	78	6	MBM		FBH	+5.79	TEH	TEC	560UL	38	
		2.18	73	6	MBM		FBH	+7.26	TEH	TEC	560UL	38	
		3.20	71	6	MBM		FBH	+14.69	TEH	TEC	560UL	38	
		2.00	89	6	MBM		01H	+3.58	TEH	TEC	560UL	38	
36	80	2.09	183	1	DNG		06C	+39.78	TEH	TEC	560UL	40	
36	85	2.66	78	6	MBM		TSH	+18.12	TEH	TEC	560UL	40	
36	87	4.18	186	1	DNG		06H	+35.80	TEH	TEC	560UL	41	
		15.23	183	1	DNG		06H	+36.71	TEH	TEC	560UL	41	
36	97	4.13	80	6	MBM		05C	+7.49	TEH	TEC	560UL	42	
36	98	0.12	0	P 2	TWD	11	AV1	-0.02	TEH	TEC	560UL	43	
		2.03	83	6	MBM		06H	+24.25	TEH	TEC	560UL	43	
36	102	2.96	53	6	MBM		AV5	+8.76	TEH	TEC	560UL	43	
		2.90	185	1	DNG		06H	+37.58	TEH	TEC	560UL	43	
		6.70	183	1	DNG		06C	+37.05	TEH	TEC	560UL	43	
		2.13	183	1	DNG		06C	+36.00	TEH	TEC	560UL	43	
36	104	2.00	87	6	MBM		01C	+26.30	TEH	TEC	560UL	43	
		0.20	0	P 2	TWD	13	AV2	+0.08	TEH	TEC	560UL	43	
		0.25	0	P 2	TWD	14	AV3	+0.13	TEH	TEC	560UL	43	
36	105	0.23	0	P 2	TWD	17	AV3	+0.00	TEH	TEC	560UL	42	
		0.15	0	P 2	TWD	16	AV4	+0.00	TEH	TEC	560UL	42	
36	107	0.36	0	P 2	TWD	13	AV3	+0.00	TEH	TEC	560UL	45	

10/99 RF10 - SGA
l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
36	108	2.76	178	P 1	DNT		07C	+0.38	TEH	TEC	560UL	45	
36	110	6.34	180	P 1	DNT		07C	+0.35	TEH	TEC	560UL	44	
		5.13	179	P 1	DNT		07C	-0.75	TEH	TEC	560UL	44	
37	16	3.85	88	6	MBM		06H	+1.66	TEH	TEC	560UL	11	
37	21	3.40	182	P 1	DNT		07H	+0.31	TEH	TEC	560UL	12	
		5.88	184	1	DNG		07H	+1.36	TEH	TEC	560UL	12	
37	25	2.66	183	1	DNG		06H	+36.48	TEH	TEC	560UL	15	
		6.75	183	1	DNG		06H	+37.44	TEH	TEC	560UL	15	
		12.46	180	P 1	DNT		07C	+0.27	TEH	TEC	560UL	15	
		3.48	186	1	DNG		07C	-0.86	TEH	TEC	560UL	15	
37	27	2.39	82	6	MBM		06H	+28.87	TEH	TEC	560UL	15	
37	29	2.09	69	6	MBM		03H	+24.72	TEH	TEC	560UL	15	
37	31	3.65	86	6	MBM		02C	+35.22	TEH	TEC	560UL	18	
37	35	2.94	81	6	MBM		01C	+27.73	TEH	TEC	560UL	18	
37	38	3.09	89	6	MBM		03H	+31.94	TEH	TEC	560UL	17	
37	39	2.46	181	P 1	DNT		07H	+0.29	TEH	TEC	560UL	18	
37	44	2.90	79	6	MBM		03C	+3.28	TEH	TEC	560UL	19	
37	46	6.56	184	1	DNG		01H	+15.27	TEH	TEC	560UL	20	
37	47	3.52	182	1	DNG		01H	+15.95	TEH	TEC	560UL	20	
[illegible]	50	2.67	77	6	MBM		06C	+25.92	TEH	TEC	560UL	19	
		4.10	181	1	DNG		06C	+35.88	TEH	TEC	560UL	19	
37	55	3.11	180	P 1	DNT		07C	+0.32	TEH	TEC	560UL	20	
		3.71	182	P 1	DNT		07H	+0.37	TEH	TEC	560UL	20	
37	58	2.25	78	6	MBM		TSC	+4.66	TEH	TEC	560UL	22	
37	61	3.54	183	1	DNG		06H	+35.86	TEH	TEC	560UL	34	
37	62	2.34	80	6	MBM		02C	+20.66	TEH	TEC	560UL	34	
37	63	2.85	81	6	MBM		01H	+13.38	TEH	TEC	560UL	34	
		3.01	84	6	MBM		01H	+16.34	TEH	TEC	560UL	34	
		2.14	71	6	MBM		04C	+1.49	TEH	TEC	560UL	34	
37	65	2.46	80	6	MBM		FBC	+8.13	TEH	TEC	560UL	36	
37	72	2.33	183	1	DNG		06H	+33.34	TEH	TEC	560UL	37	
		5.70	184	1	DNG		06C	+37.82	TEH	TEC	560UL	37	
		2.44	87	6	MBM		06H	+33.82	TEH	TEC	560UL	37	
37	75	4.51	80	6	MBM		03H	+8.55	TEH	TEC	560UL	36	
37	77	3.99	179	P 1	DNT		07H	+0.56	TEH	TEC	560UL	38	
37	81	2.66	188	1	DNG		TSC	+4.53	TEH	TEC	560UL	41	
37	84	2.04	82	6	MBM		02C	+14.35	TEH	TEC	560UL	40	
37	87	3.34	81	6	MBM		07H	+2.01	TEH	TEC	560UL	40	
		5.22	184	1	DNG		06H	+37.53	TEH	TEC	560UL	40	
		8.46	183	1	DNG		06H	+38.11	TEH	TEC	560UL	40	
		2.49	180	P 1	DNT		07H	-0.72	TEH	TEC	560UL	40	
		4.63	182	1	DNG		06C	+38.00	TEH	TEC	560UL	40	
37	92	5.06	88	6	MBM		AV2	+4.06	TEH	TEC	560UL	40	
37	93	4.15	56	6	MBM		06C	-0.98	TEH	TEC	560UL	41	
37	95	9.82	85	6	MBM		06H	+30.53	TEH	TEC	560UL	43	
	98	7.84	83	6	MBM		06H	+20.35	TEH	TEC	560UL	42	
[illegible]	100	3.57	82	6	MBM		01H	+24.80	TEH	TEC	560UL	43	
		5.88	85	6	MBM		03H	+23.19	TEH	TEC	560UL	43	
37	103	12.60	76	6	MBM		03C	+3.03	TEH	TEC	560UL	43	
37	106	2.83	88	6	MBM		05H	+36.28	TEH	TEC	560UL	42	

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QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
		7.31	86	6	MBM		03H	+14.34	TEH	TEC	560UL	42	
		2.53	182	1	DNG		06C	+40.00	TEH	TEC	560UL	42	
37	108	3.92	181	P 1	DNT		07C	+0.33	TEH	TEC	560UL	44	
		2.62	182	P 1	DNT		07C	-0.73	TEH	TEC	560UL	44	
		4.35	70	6	MBM		AV6	+13.04 TO+22.8	TEH	TEC	560UL	44	
38	16	2.61	187	1	DNG		07H	+7.08	TEH	TEC	560UL	12	
		2.30	187	1	DNG		07H	+8.44	TEH	TEC	560UL	12	
38	28	2.15	75	6	MBM		04C	+15.28	TEH	TEC	560UL	15	
38	36	2.70	184	1	DNG		03H	+23.98	TEH	TEC	560UL	18	
38	37	2.16	57	6	MBM		02H	+32.44	TEH	TEC	560UL	17	
		0.21	0	P 2	TWD	15	AV4	+0.00	TEH	TEC	560UL	17	
		0.26	0	P 2	TWD	16	AV2	+0.00	TEH	TEC	560UL	17	
38	43	3.20	84	6	MBM		TSH	+6.34	TEH	TEC	560UL	17	
		2.99	85	6	MBM		TSH	+13.59	TEH	TEC	560UL	17	
38	55	2.24	183	1	DNG		03C	+12.71	TEH	TEC	560UL	19	
38	60	2.00	180	P 1	DNT		07H	-0.76	TEH	TEC	560UL	21	
38	69	4.13	185	1	DNG		01C	+2.80	TEH	TEC	560UL	37	
		2.14	185	1	DNG		01C	+1.82	TEH	TEC	560UL	37	
38	72	4.74	77	6	MBM		02C	+10.51	TEH	TEC	560UL	36	
		2.89	66	6	MBM		02C	+7.81	TEH	TEC	560UL	36	
	74	5.64	180	P 1	DNT		07C	+0.35	TEH	TEC	560UL	36	
		2.01	177	P 1	DNT		07C	-0.75	TEH	TEC	560UL	36	
38	75	2.30	185	1	DNG		06C	+18.71	TEH	TEC	560UL	37	
38	77	3.76	72	6	MBM		TSC	+16.83	TEH	TEC	560UL	38	
38	78	6.78	179	P 1	DNT		07C	+0.31	TEH	TEC	560UL	38	
		2.51	179	1	DNG		07C	-0.64	TEH	TEC	560UL	38	
38	80	6.16	87	6	MBM		02H	+17.24	TEH	TEC	560UL	40	
		2.40	181	P 1	DNT		02C	+0.84	TEH	TEC	560UL	40	
		2.60	182	1	DNG		07H	+8.72	TEH	TEC	560UL	40	
38	83	7.83	76	6	MBM		TSH	+2.05	TEH	TEC	560UL	40	
		3.06	84	6	MBM		FBH	+8.42	TEH	TEC	560UL	40	
38	84	5.61	86	6	MBM		02C	+34.76	TEH	TEC	560UL	41	
38	85	0.56	13	3	SAI		TSH	+0.01	TSH	TSH	560PP	45	
38	87	4.20	179	1	DNG		06H	+37.33	STH	TEC	560SN	48	
		2.79	77	6	MBM		02C	+30.28	STH	TEC	560SN	48	
38	92	3.09	63	6	MBM		05H	+14.82	TEH	TEC	560UL	41	
38	93	3.10	86	6	MBM		06C	+31.36	TEH	TEC	560UL	40	
38	103	3.60	82	6	MBM		01H	+27.48	TEH	TEC	560UL	42	
		3.40	81	6	MBM		01H	+29.31	TEH	TEC	560UL	42	
38	106	3.38	179	P 1	DNT		07C	+0.31	TEH	TEC	560UL	43	
38	107	2.23	74	6	MBM		02C	+24.84	TEH	TEC	560UL	45	
		2.00	181	P 1	DNT		07C	+0.29	TEH	TEC	560UL	45	
38	108	3.26	180	P 1	DNT		07C	+0.27	TEH	TEC	560UL	44	
		2.33	180	1	DNG		06C	+39.89	TEH	TEC	560UL	44	
39	17	2.82	72	6	MBM		FBC	+15.84	TEH	TEC	560UL	11	
	18	0.74	65	P 2	TWD	25	AV3	+0.08	TEH	TEC	560UL	11	
		0.39	65	P 2	TWD	18	AV4	+0.08	TEH	TEC	560UL	11	
		0.24	49	P 2	TWD	15	AV6	-0.02	TEH	TEC	560UL	11	
39	20	2.69	81	6	MBM		05C	+19.16	TEH	TEC	560UL	11	
39	21	3.53	186	1	DNG		06H	+39.93	TEH	TEC	560UL	12	

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l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
39	22	0.22	58	P 2	TWD	16	AV5	+0.04	TEH	TEC	560UL	13	
39	24	4.09	177	P 1	DNT		07H	+0.00	TEH	TEC	560UL	13	
		5.32	181	1	DNG		06C	+38.95	TEH	TEC	560UL	13	
		3.19	178	1	DNG		06C	+37.88	TEH	TEC	560UL	13	
		2.23	179	P 1	DNT		07H	+0.60	TEH	TEC	560UL	13	
		2.16	182	P 1	DNT		AV6	+0.04	TEH	TEC	560UL	13	
39	25	2.24	177	P 1	DNT		07H	+0.48	TEH	TEC	560UL	15	
		2.66	78	6	MBM		03C	+15.52	TEH	TEC	560UL	15	
		5.84	78	6	MBM		03C	+9.80	TEH	TEC	560UL	15	
		2.38	80	6	MBM		03C	+7.78	TEH	TEC	560UL	15	
		2.17	83	6	MBM		03C	+6.03	TEH	TEC	560UL	15	
39	26	3.52	185	1	DNG		06H	+38.47	TEH	TEC	560UL	15	
		11.88	182	1	DNG		06H	+39.46	TEH	TEC	560UL	15	
39	27	3.98	180	P 1	DNT		07H	-0.66	TEH	TEC	560UL	15	
		2.99	180	P 1	DNT		07H	-0.19	TEH	TEC	560UL	15	
39	29	3.34	81	6	MBM		04C	+24.14	TEH	TEC	560UL	15	
39	30	0.24	0	P 2	TWD	17	AV2	+0.00	TEH	TEC	560UL	17	
		0.38	0	P 2	TWD	19	AV3	+0.00	TEH	TEC	560UL	17	
		0.28	0	P 2	TWD	17	AV4	+0.00	TEH	TEC	560UL	17	
[illegible]	31	4.04	80	6	MBM		06C	+11.66	TEH	TEC	560UL	18	
	34	0.37	0	P 2	TWD	19	AV1	+0.00	TEH	TEC	560UL	17	
		0.60	0	P 2	TWD	23	AV2	+0.00	TEH	TEC	560UL	17	
		0.61	0	P 2	TWD	23	AV3	+0.00	TEH	TEC	560UL	17	
		0.98	0	P 2	TWD	29	AV4	+0.00	TEH	TEC	560UL	17	
		0.17	0	P 2	TWD	14	AV5	+0.00	TEH	TEC	560UL	17	
		0.26	0	P 2	TWD	16	AV6	+0.00	TEH	TEC	560UL	17	
39	35	3.23	77	6	MBM		02C	+20.50	TEH	TEC	560UL	18	
39	36	2.20	174	P 1	DNT		07H	+0.06	TEH	TEC	560UL	17	
39	37	1.46	0	P 2	TWD	38	AV1	+0.21	TEH	TEC	560UL	18	
		0.38	0	P 2	TWD	13	AV2	-0.15	TEH	TEC	560UL	18	
		0.38	0	P 2	TWD	13	AV3	-0.10	TEH	TEC	560UL	18	
		0.82	0	P 2	TWD	27	AV4	-0.19	TEH	TEC	560UL	18	
		0.90	0	P 2	TWD	29	AV5	-0.08	TEH	TEC	560UL	18	
39	40	2.14	65	6	MBM		05H	+30.24	TEH	TEC	560UL	17	
39	41	1.34	0	P 2	TWD	36	AV4	+0.00	TEH	TEC	560UL	18	
39	52	0.49	25	P 1	SCI		TSH	-0.08	TSH	TSH	560PP	23	
39	55	3.40	182	P 1	DNT		07C	+0.34	TEH	TEC	560UL	20	
		2.31	184	1	DNG		06C	+38.82	TEH	TEC	560UL	20	
		3.99	182	P 1	DNT		07H	+0.42	TEH	TEC	560UL	20	
39	62	2.16	179	P 1	DNT		07C	-0.57	TEH	TEC	560UL	34	
39	65	3.12	181	1	DNG		06C	+37.83	TEH	TEC	560UL	36	
39	73	3.87	71	6	MBM		02H	+26.20	TEH	TEC	560UL	36	
		2.90	73	6	MBM		06C	+19.53	TEH	TEC	560UL	36	
39	75	2.70	89	6	MBM		03C	+19.77	TEH	TEC	560UL	36	
39	80	3.59	70	6	MBM		04C	+24.79	TEH	TEC	560UL	40	
		2.13	77	6	MBM		TSC	+15.42	TEH	TEC	560UL	40	
[illegible]	81	0.80	12	3	SAI		TSH	+0.06	TSH	TSH	560PP	42	
39	83	4.08	86	6	MBM		04H	+22.93	TEH	TEC	560UL	41	
39	84	2.14	89	6	MBM		03H	+19.47	TEH	TEC	560UL	40	
		0.23	0	P 2	TWD	14	AV1	+0.00	TEH	TEC	560UL	40	

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1 Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
		0.39	0	P 2	TWD	18	AV2	-0.02	TEH	TEC	560UL	40	
		0.33	0	P 2	TWD	17	AV3	+0.00	TEH	TEC	560UL	40	
		0.33	0	P 2	TWD	17	AV4	+0.02	TEH	TEC	560UL	40	
		0.53	0	P 2	TWD	21	AV6	+0.00	TEH	TEC	560UL	40	
		0.25	0	P 2	TWD	15	AV5	-0.04	TEH	TEC	560UL	40	
39	85	0.27	18	P 1	SCI		TSH	+0.10	TSH	TSH	560PP	44	
		2.01	185	1	DNG		07H	+4.97	TEH	TEC	560UL	41	
39	86	3.07	45	6	MBM		07H	+15.60	TEH	TEC	560UL	40	
		3.67	70	6	MBM		TSC	+5.97	TEH	TEC	560UL	40	
		0.42	0	P 2	TWD	19	AV1	+0.19	TEH	TEC	560UL	40	
		0.23	0	P 2	TWD	14	AV2	+0.00	TEH	TEC	560UL	40	
		0.27	0	P 2	TWD	15	AV3	+0.00	TEH	TEC	560UL	40	
		0.52	0	P 2	TWD	21	AV4	+0.02	TEH	TEC	560UL	40	
39	87	0.67	16	3	SAI		TSH	+0.02	TSH	TSH	560PP	45	
		3.66	179	P 1	DNT		07H	+0.35	TEH	TEC	560UL	41	
		2.25	183	1	DNG		06H	+29.36	TEH	TEC	560UL	41	
		5.00	182	1	DNG		06H	+30.59	TEH	TEC	560UL	41	
39	89	2.08	78	6	MBM		02C	+26.54	TEH	TEC	560UL	41	
39	90	2.32	181	1	DNG		05C	+32.26	TEH	TEC	560UL	41	
[illegible]	92	3.43	76	6	MBM		04H	+15.85	TEH	TEC	560UL	40	
		0.43	0	P 2	TWD	19	AV4	-0.08	TEH	TEC	560UL	40	
39	95	2.41	84	6	MBM		01H	+10.31	TEH	TEC	560UL	43	
39	98	3.06	80	6	MBM		03H	+22.09	TEH	TEC	560UL	42	
		5.37	62	6	MBM		AV3	+8.88	TEH	TEC	560UL	42	
39	99	4.06	189	1	DNG		02H	+25.32	TEH	TEC	560UL	43	
		0.19	0	P 2	TWD	13	AV2	+0.08	TEH	TEC	560UL	43	
39	100	0.63	0	P 2	TWD	24	AV3	+0.15	TEH	TEC	560UL	43	
		0.51	0	P 2	TWD	21	AV5	+0.10	TEH	TEC	560UL	43	
		0.19	0	P 2	TWD	13	AV6	+0.04	TEH	TEC	560UL	43	
39	105	18.77	182	1	DNG		06C	+36.59	TEH	TEC	560UL	43	
		8.41	185	1	DNG		06C	+35.88	TEH	TEC	560UL	43	
		7.54	184	1	DNG		06C	+34.66	TEH	TEC	560UL	43	
		5.13	185	1	DNG		06C	+33.32	TEH	TEC	560UL	43	
40	18	3.20	74	6	MBM		03C	+20.57	TEH	TEC	560UL	11	
40	20	2.16	74	6	MBM		01C	+13.63	TEH	TEC	560UL	11	
40	23	4.29	85	6	MBM		02H	+19.00	TEH	TEC	560UL	13	
40	27	3.38	181	P 1	DNT		07C	+0.36	TEH	TEC	560UL	16	
40	30	4.34	83	6	MBM		02H	+36.19	TEH	TEC	560UL	17	
40	32	3.62	88	6	MBM		02H	+33.22	TEH	TEC	560UL	17	
		2.21	185	1	DNG		06H	+17.94	TEH	TEC	560UL	17	
		4.92	76	6	MBM		TSC	+6.69	TEH	TEC	560UL	17	
40	36	2.63	176	P 1	DNT		07C	+0.10	TEH	TEC	560UL	17	
		2.37	177	P 1	DNT		07C	-0.31	TEH	TEC	560UL	17	
40	44	2.14	73	6	MBM		01H	+8.70	TEH	TEC	560UL	19	
		3.04	177	P 1	DNT		07C	+0.38	TEH	TEC	560UL	19	
	45	3.76	82	6	MBM		03H	+20.47	TEH	TEC	560UL	19	
[illegible]	46	5.02	90	6	MBM		04H	+7.56	TEH	TEC	560UL	19	
40	47	2.49	65	6	MBM		03H	+29.36	TEH	TEC	560UL	19	
40	48	2.92	62	6	MBM		FBC	+9.86	TEH	TEC	560UL	19	
40	49	2.64	67	6	MBM		FBH	+16.74	TEH	TEC	560UL	19	

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QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
		2.00	71	6	MBM		01H	+27.95	TEH	TEC	560UL	19	
		4.53	69	6	MBM		03C	+2.92	TEH	TEC	560UL	19	
40	52	2.71	70	6	MBM		01H	+13.12	TEH	TEC	560UL	19	
		2.66	80	6	MBM		01H	+15.01	TEH	TEC	560UL	19	
40	58	3.53	84	6	MBM		02H	+25.89	TEH	TEC	560UL	21	
40	60	3.79	80	6	MBM		TSC	+18.97	TEH	TEC	560UL	21	
40	62	5.26	88	6	MBM		06H	+28.50	TEH	TEC	560UL	35	
40	63	2.43	57	6	MBM		05C	+24.29	TEH	TEC	560UL	35	
		5.79	81	6	MBM		05C	+23.04	TEH	TEC	560UL	35	
40	66	8.97	77	6	MBM		02H	+38.81	TEH	TEC	560UL	37	
40	67	3.71	86	6	MBM		FBH	+1.90	TEH	TEC	560UL	37	
40	69	3.13	68	6	MBM		04C	+29.21	TEH	TEC	560UL	37	
40	71	0.30	0	P 2	TWD	8	AV3	-0.10	TEH	TEC	560UL	37	
40	73	2.67	84	6	MBM		01H	+5.30	TEH	TEC	560UL	37	
		0.11	130	P 2	TWD	16	AV1	+0.23	TEH	TEC	560UL	37	
40	76	2.32	86	6	MBM		TSH	+15.63	TEH	TEC	560UL	38	
		2.52	84	6	MBM		FBH	+4.39	TEH	TEC	560UL	38	
		0.43	0	P 2	TWD	20	AV3	+0.00	TEH	TEC	560UL	38	
		2.87	88	6	MBM		03H	+29.04	TEH	TEC	560UL	38	
		0.18	0	P 2	TWD	15	AV6	-0.04	TEH	TEC	560UL	38	
	77	2.37	87	6	MBM		04H	+10.04	TEH	TEC	560UL	38	
40	81	3.53	75	6	MBM		02C	+9.82	TEH	TEC	560UL	40	
		2.36	69	6	MBM		02C	+15.79	TEH	TEC	560UL	40	
		3.06	80	6	MBM		02C	+14.17	TEH	TEC	560UL	40	
		2.60	79	6	MBM		02C	+12.29	TEH	TEC	560UL	40	
40	83	3.23	73	6	MBM		01H	+21.54	TEH	TEC	560UL	40	
		2.55	77	6	MBM		06C	+18.27	TEH	TEC	560UL	40	
40	86	0.43	0	P 2	TWD	19	AV1	+0.10	TEH	TEC	560UL	40	
40	87	2.23	181	P 1	DNT		07H	-0.60	TEH	TEC	560UL	40	
		4.17	180	P 1	DNT		07H	+0.61	TEH	TEC	560UL	40	
40	89	2.09	87	6	MBM		AV1	+10.81	TEH	TEC	560UL	40	
		2.66	80	6	MBM		01C	+28.73	TEH	TEC	560UL	40	
		5.84	81	6	MBM		01C	+34.64	TEH	TEC	560UL	40	
		2.17	83	6	MBM		01C	+36.94	TEH	TEC	560UL	40	
40	96	7.09	82	6	MBM		02C	+8.96	TEH	TEC	560UL	43	
		8.14	76	6	MBM		02C	+7.62	TEH	TEC	560UL	43	
		5.42	65	6	MBM		AV6	+7.53	TEH	TEC	560UL	43	
		4.87	78	6	MBM		AV6	+13.51	TEH	TEC	560UL	43	
		4.39	76	6	MBM		AV6	+11.71	TEH	TEC	560UL	43	
40	101	5.17	185	1	DNG		05H	+7.79	TEH	TEC	560UL	42	
40	103	2.31	183	1	DNG		06C	+39.07	TEH	TEC	560UL	42	
40	105	2.08	185	P 1	DNT		07C	+0.25	TEH	TEC	560UL	42	
40	106	2.38	182	P 1	DNT		07C	+0.15	TEH	TEC	560UL	42	
41	19	3.49	180	1	DNG		06H	+31.74	TEH	TEC	560UL	28	
		0.15	0	P 2	TWD	16	AV5	+0.00	TEH	TEC	560UL	28	
		0.13	0	P 2	TWD	16	AV6	+0.00	TEH	TEC	560UL	28	
[illegible]	20	0.17	0	P 2	TWD	16	AV4	+0.00	TEH	TEC	560UL	28	
		0.09	0	P 2	TWD	15	AV5	+0.00	TEH	TEC	560UL	28	
41	28	3.28	89	6	MBM		06H	+4.35	TEH	TEC	560UL	28	
41	29	0.18	0	P 2	TWD	16	AV5	+0.00	TEH	TEC	560UL	28	

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QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
41	30	2.33	179	1	DNG		07H	+2.99	TEH	TEC	560UL	28	
41	31	2.89	179	1	DNG		07H	+2.98	TEH	TEC	560UL	28	
41	32	2.57	179	1	DNG		07H	+2.92	TEH	TEC	560UL	28	
41	34	2.81	179	1	DNG		07H	+3.00	TEH	TEC	560UL	28	
41	35	2.49	180	1	DNG		07H	+2.93	TEH	TEC	560UL	28	
41	36	3.47	184	1	DNG		AV4	+0.99	TEH	TEC	560UL	28	
41	38	2.33	183	1	DNG		07H	+2.82	TEH	TEC	560UL	25	
41	40	3.15	186	1	DNG		02C	+5.33	TEH	TEC	560UL	25	
41	50	2.34	186	1	DNG		04C	+22.52	TEH	TEC	560UL	23	
41	53	2.43	83	6	MBM		05H	+21.51	TEH	TEC	560UL	23	
41	54	2.33	76	6	MBM		06C	+25.54	TEH	TEC	560UL	23	
		2.14	76	6	MBM		06C	+24.01	TEH	TEC	560UL	23	
		3.14	80	6	MBM		06C	+22.44	TEH	TEC	560UL	23	
		3.52	67	6	MBM		06C	+20.91	TEH	TEC	560UL	23	
41	56	0.21	16	P 1	SCI		TSH	+0.00	TSH	TSH	560PP	26	
41	58	2.49	82	6	MBM		02H	+26.39	TEH	TEC	560UL	23	
41	61	0.35	0	P 2	TWD	20	AV2	+0.00	TEH	TEC	560UL	28	
		0.49	0	P 2	TWD	22	AV3	+0.00	TEH	TEC	560UL	28	
		0.77	0	P 2	TWD	27	AV4	+0.00	TEH	TEC	560UL	28	
	66	2.67	81	6	MBM		06C	+7.04	TEH	TEC	560UL	30	
	67	2.06	87	6	MBM		04C	+22.60	TEH	TEC	560UL	30	
		2.50	85	6	MBM		03C	+38.81	TEH	TEC	560UL	30	
		3.37	80	6	MBM		03C	+35.99	TEH	TEC	560UL	30	
41	69	3.41	85	6	MBM		05C	+26.40	TEH	TEC	560UL	30	
		2.35	84	6	MBM		02C	+27.98	TEH	TEC	560UL	30	
41	71	2.33	82	6	MBM		02C	+37.61	TEH	TEC	560UL	31	
41	72	2.19	185	1	DNG		06H	+35.33	TEH	TEC	560UL	31	
41	74	2.20	184	1	DNG		03C	+13.10	TEH	TEC	560UL	31	
41	80	2.74	73	6	MBM		06H	+11.02	TEH	TEC	560UL	32	
41	82	3.19	184	P 1	DNT		02C	+0.12	TEH	TEC	560UL	32	
41	83	5.24	186	1	DNG		05C	+37.65	TEH	TEC	560UL	33	
41	86	0.65	0	P 2	TWD	25	AV4	+0.00	TEH	TEC	560UL	32	
41	98	0.22	0	P 2	TWD	15	AV5	+0.00	TEH	TEC	560UL	34	
		0.25	0	P 2	TWD	15	AV4	-0.06	TEH	TEC	560UL	34	
41	103	2.07	179	P 1	DNT		07C	-0.73	TEH	TEC	560UL	35	
		4.20	179	P 1	DNT		07C	+0.33	TEH	TEC	560UL	35	
		7.33	83	6	MBM		01H	+14.19	TEH	TEC	560UL	35	
		3.62	85	6	MBM		06C	+37.44	TEH	TEC	560UL	35	
		2.76	77	6	MBM		06C	+36.27	TEH	TEC	560UL	35	
		2.43	78	6	MBM		06C	+35.22	TEH	TEC	560UL	35	
		8.58	84	6	MBM		06C	+27.11	TEH	TEC	560UL	35	
		5.20	85	6	MBM		06C	+24.08	TEH	TEC	560UL	35	
		3.23	89	6	MBM		06C	+22.05	TEH	TEC	560UL	35	
		3.66	81	6	MBM		06C	+12.15	TEH	TEC	560UL	35	
		3.35	84	6	MBM		06C	+10.49	TEH	TEC	560UL	35	
		3.37	89	6	MBM		06C	+6.84	TEH	TEC	560UL	35	
41	104	9.97	80	6	MBM		06H	+36.14	TEH	TEC	560UL	34	
		2.92	75	6	MBM		06H	+39.38	TEH	TEC	560UL	34	
		3.80	179	P 1	DNT		07C	+0.31	TEH	TEC	560UL	34	
		4.47	82	6	MBM		02C	+32.71	TEH	TEC	560UL	34	

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QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
		6.90	82	6	MBM		02C	+31.04	TEH	TEC	560UL	34	
41	105	4.87	179	P 1	DNT		07C	+0.31	TEH	TEC	560UL	34	
42	21	5.62	84	6	MBM		TSC	+7.88	TEH	TEC	560UL	29	
42	25	3.12	180	P 1	DNT		07H	+0.50	TEH	TEC	560UL	29	
		5.26	80	6	MBM		AV2	+11.59	TEH	TEC	560UL	29	
		3.50	85	6	MBM		03C	+36.56	TEH	TEC	560UL	29	
		2.88	48	6	MBM		AV2	+7.41	TEH	TEC	560UL	29	
		4.90	182	P 1	DNT		AV4	-0.33	TEH	TEC	560UL	29	
42	26	4.01	187	1	DNG		03H	+14.21	TEH	TEC	560UL	29	
		7.29	83	6	MBM		02C	+26.03	TEH	TEC	560UL	29	
		2.54	186	1	DNG		02C	+25.89	TEH	TEC	560UL	29	
42	27	3.63	183	1	DNG		03H	+26.08	TEH	TEC	560UL	29	
42	31	4.05	77	6	MBM		FBC	+1.06	TEH	TEC	560UL	29	
42	34	4.52	182	1	DNG		FBH	+13.58	TEH	TEC	560UL	28	
42	40	0.34	0	P 2	TWD	17	AV2	-0.27	TEH	TEC	560UL	27	
		0.39	0	P 2	TWD	19	AV3	-0.06	TEH	TEC	560UL	27	
		0.52	0	P 2	TWD	22	AV4	-0.04	TEH	TEC	560UL	27	
		2.35	181	P 1	DNT		07C	+0.31	TEH	TEC	560UL	27	
42	44	3.06	81	6	MBM		06H	+32.81	TEH	TEC	560UL	25	
		2.38	72	6	MBM		06H	+33.75	TEH	TEC	560UL	25	
		2.19	89	6	MBM		03C	+31.53	TEH	TEC	560UL	25	
42	45	2.80	86	6	MBM		04H	+30.75	TEH	TEC	560UL	26	
		2.48	75	6	MBM		01C	+7.87	TEH	TEC	560UL	26	
42	46	0.21	160	P 2	TWD	16	AV4	-0.02	TEH	TEC	560UL	26	
		0.93	48	P 2	TWD	31	AV3	-0.06	TEH	TEC	560UL	26	
		0.26	66	P 2	TWD	17	AV2	-0.25	TEH	TEC	560UL	26	
42	48	2.45	179	P 1	DNT		07H	+0.45	TEH	TEC	560UL	24	
42	53	2.35	181	1	DNG		05H	+26.24	TEH	TEC	560UL	24	
42	54	2.26	81	6	MBM		AV4	+16.15	TEH	TEC	560UL	23	
		3.82	67	6	MBM		AV5	+6.22	TEH	TEC	560UL	23	
42	60	3.58	87	6	MBM		06H	+15.27	TEH	TEC	560UL	23	
42	63	2.38	185	1	DNG		04C	+19.13	TEH	TEC	560UL	28	
42	64	2.18	83	6	MBM		01H	+22.63	TEH	TEC	560UL	29	
42	65	0.53	15	3	SAI		TSH	+0.03	TSH	TSH	560PP	35	
42	67	6.80	78	6	MBM		03C	+15.16	TEH	TEC	560UL	31	
42	68	8.17	88	6	MBM		06H	+10.04	TEH	TEC	560UL	30	
		2.44	90	6	MBM		06H	+13.21	TEH	TEC	560UL	30	
42	71	2.31	79	6	MBM		06C	+30.12	TEH	TEC	560UL	30	
42	76	2.08	80	6	MBM		01C	+24.53	TEH	TEC	560UL	32	
		6.95	70	6	MBM		FBC	+16.96	TEH	TEC	560UL	32	
42	77	3.06	184	1	DNG		07C	-0.92	TEH	TEC	560UL	33	
		2.90	76	6	MBM		05C	+17.82	TEH	TEC	560UL	33	
		2.47	79	6	MBM		03C	+12.26	TEH	TEC	560UL	33	
42	78	2.96	87	6	MBM		05H	+34.40	TEH	TEC	560UL	33	
		2.78	184	1	DNG		03C	+16.36	TEH	TEC	560UL	33	
	82	0.31	44	P 2	TWD	16	AV3	+0.23	TEH	TEC	560UL	33	
		0.65	98	P 2	TWD	24	AV4	+0.33	TEH	TEC	560UL	33	
		0.14	30	P 2	TWD	11	AV6	-0.29	TEH	TEC	560UL	33	
42	83	0.44	9	P 1	MCI		TSH	+0.12	TSH	TSH	560PP	35	
42	88	5.16	86	6	MBM		01H	+2.05	TEH	TEC	560UL	34	

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l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION			EXT	EXT	PROBE	CAL#	COMMENT1
		0.28	0	P 2	TWD	16	AV4	+0.04		TEH	TEC	560UL	34	
42	93	2.61	181	P 1	DNT		01C	+0.44		TEH	TEC	560UL	34	
42	94	0.20	45	P 2	TWD	12	AV1	+0.21		TEH	TEC	560UL	35	
		0.13	20	P 2	TWD	10	AV2	+0.10		TEH	TEC	560UL	35	
		0.36	41	P 2	TWD	17	AV3	+0.10		TEH	TEC	560UL	35	
		0.51	84	P 2	TWD	21	AV5	+0.00		TEH	TEC	560UL	35	
42	97	0.30	50	P 2	TWD	15	AV2	+0.13		TEH	TEC	560UL	35	
		0.25	56	P 2	TWD	14	AV4	-0.06		TEH	TEC	560UL	35	
		0.45	77	P 2	TWD	19	AV5	+0.02		TEH	TEC	560UL	35	
		0.21	153	P 2	TWD	12	AV6	+0.04		TEH	TEC	560UL	35	
42	98	4.88	78	6	MBM		03C	+9.87		TEH	TEC	560UL	35	
42	100	5.78	77	6	MBM		03C	+24.11		TEH	TEC	560UL	35	
		3.02	89	6	MBM		03C	+20.46		TEH	TEC	560UL	35	
42	101	3.76	80	6	MBM		TSH	+8.57	TO+18.8	TEH	TEC	560UL	34	
42	103	0.30	0	P 2	TWD	17	AV6	+0.02		TEH	TEC	560UL	34	
		0.35	0	P 2	TWD	18	AV5	-0.08		TEH	TEC	560UL	34	
		0.25	0	P 2	TWD	15	AV4	+0.00		TEH	TEC	560UL	34	
43	25	2.53	185	1	DNG		01H	+35.06		TEH	TEC	560UL	28	
43	27	0.13	0	P 2	TWD	15	AV1	+0.00		TEH	TEC	560UL	28	
		0.47	0	P 2	TWD	22	AV2	+0.00		TEH	TEC	560UL	28	
		0.37	0	P 2	TWD	20	AV3	+0.00		TEH	TEC	560UL	28	
		0.24	0	P 2	TWD	18	AV4	-0.03		TEH	TEC	560UL	28	
		0.13	0	P 2	TWD	15	AV5	+0.03		TEH	TEC	560UL	28	
		0.05	0	P 2	TWD	14	AV6	+0.09		TEH	TEC	560UL	28	
43	28	3.26	82	6	MBM		02C	+13.93		TEH	TEC	560UL	28	
43	32	2.09	89	6	MBM		04C	+35.09		TEH	TEC	560UL	29	
43	34	3.94	185	1	DNG		TSH	+4.56		TEH	TEC	560UL	29	
		3.60	82	6	MBM		05C	+24.12		TEH	TEC	560UL	29	
		3.24	63	6	MBM		05C	+22.63		TEH	TEC	560UL	29	
43	37	3.49	179	P 1	DNT		07C	+0.35		TEH	TEC	560UL	25	
43	39	2.08	182	P 1	DNT		07H	+0.06		TEH	TEC	560UL	25	
43	48	2.61	179	P 1	DNT		07H	+0.52		TEH	TEC	560UL	23	
43	51	2.17	183	1	DNG		02C	+13.77		TEH	TEC	560UL	23	
43	57	2.85	85	6	MBM		FBH	+10.47		TEH	TEC	560UL	23	
43	59	2.10	85	6	MBM		07H	+19.52		TEH	TEC	560UL	23	
43	60	4.70	82	6	MBM		03H	+36.50		TEH	TEC	560UL	24	
43	61	3.24	77	6	MBM		TSH	+7.55		TEH	TEC	560UL	28	
43	70	0.29	0	P 2	TWD	16	AV3	+0.14		TEH	TEC	560UL	30	
43	82	6.05	184	1	DNG		AV5	+9.95		TEH	TEC	560UL	32	
43	83	3.83	180	P 1	DNT		07C	+0.34		TEH	TEC	560UL	33	
		2.01	181	P 1	DNT		07C	-0.58		TEH	TEC	560UL	33	
		5.39	183	1	DNG		05C	+4.87		TEH	TEC	560UL	33	
		2.25	183	P 1	DNT		07H	+0.60		TEH	TEC	560UL	33	
		2.77	183	1	DNG		06C	+36.60		TEH	TEC	560UL	33	
		5.27	80	6	MBM		TSH	+11.46		TEH	TEC	560UL	33	
		4.06	85	6	MBM		06C	+24.48		TEH	TEC	560UL	33	
		3.24	79	6	MBM		03C	+12.50		TEH	TEC	560UL	33	
43	90	4.31	69	6	MBM		AV4	+2.75		TEH	TEC	560UL	34	
		4.46	87	6	MBM		02C	+6.33		TEH	TEC	560UL	34	
		3.21	81	6	MBM		02C	+3.71		TEH	TEC	560UL	34	

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QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
		2.18	86	6	MBM		TSC	+9.38	TEH	TEC	560UL	34	
43	91	5.78	84	6	MBM		FBH	+2.74	TEH	TEC	560UL	34	
		3.62	83	6	MBM		01H	+2.49	TEH	TEC	560UL	34	
43	93	4.44	78	6	MBM		03C	+21.31	TEH	TEC	560UL	35	
43	94	4.09	182	1	DNG		TSH	+17.29	TEH	TEC	560UL	34	
43	99	2.56	180	P 1	DNT		07C	+0.35	TEH	TEC	560UL	35	
43	100	4.20	179	P 1	DNT		07C	+0.33	TEH	TEC	560UL	34	
		3.34	179	P 1	DNT		07C	-0.71	TEH	TEC	560UL	34	
43	101	3.06	179	P 1	DNT		07C	+0.35	TEH	TEC	560UL	35	
		2.02	176	P 1	DNT		07H	+0.46	TEH	TEC	560UL	35	
43	102	2.15	74	6	MBM		02C	+29.16	TEH	TEC	560UL	34	
		5.39	179	P 1	DNT		07C	+0.31	TEH	TEC	560UL	34	
		2.71	180	P 1	DNT		07C	-0.76	TEH	TEC	560UL	34	
43	103	2.42	181	P 1	DNT		04C	-0.33	TEH	TEC	560UL	35	
		2.70	179	P 1	DNT		04C	+0.60	TEH	TEC	560UL	35	
		2.54	178	P 1	DNT		07C	-0.77	TEH	TEC	560UL	35	
		4.72	180	P 1	DNT		07C	+0.29	TEH	TEC	560UL	35	
		3.17	84	6	MBM		05H	+32.22	TEH	TEC	560UL	35	
		4.05	63	6	MBM		06C	+1.02	TEH	TEC	560UL	35	
	21	2.90	181	1	DNG		06C	+14.18	TEH	TEC	560UL	29	
	23	4.35	180	P 1	DNT		07H	+0.45	TEH	TEC	560UL	29	
		7.77	180	P 1	DNT		07C	+0.35	TEH	TEC	560UL	29	
		2.18	182	P 1	DNT		07C	-0.74	TEH	TEC	560UL	29	
44	24	2.87	183	1	DNG		FBH	+14.22	TEH	TEC	560UL	28	
44	25	2.75	54	6	MBM		AV4	+2.05	TEH	TEC	560UL	29	
44	26	8.98	89	6	MBM		03H	+7.86	TEH	TEC	560UL	29	
		3.77	77	6	MBM		05C	+2.83	TEH	TEC	560UL	29	
44	27	3.99	178	P 1	DNT		07C	+0.29	TEH	TEC	560UL	29	
44	33	0.20	140	P 1	SCI		TSH	+0.00	TSH	TSH	560PP	29	
		8.20	183	1	DNG		AV5	+8.85	TEH	TEC	560UL	29	
44	34	0.71	121	3	SVI		TSH	+0.16	TSH	TSH	560PP	28	
44	39	10.90	182	1	DNG		AV6	+26.10	TEH	TEC	560UL	27	
		6.52	184	1	DNG		TSH	+5.62	TEH	TEC	560UL	27	
44	42	2.15	82	6	MBM		04H	+36.33	TEH	TEC	560UL	27	
44	43	3.33	80	6	MBM		06H	+26.76	TEH	TEC	560UL	26	
44	45	3.48	84	6	MBM		03H	+4.20	TEH	TEC	560UL	26	
44	46	5.16	85	6	MBM		03H	+18.82	TEH	TEC	560UL	26	
44	51	4.98	70	6	MBM		07H	+5.14	TEH	TEC	560UL	24	
		14.03	66	6	MBM		07H	+7.38	TEH	TEC	560UL	24	
44	55	2.50	88	6	MBM		02H	+8.37	TEH	TEC	560UL	24	
		3.36	88	6	MBM		02H	+13.40	TEH	TEC	560UL	24	
44	56	6.61	78	6	MBM		02C	+5.06	TEH	TEC	560UL	24	
		6.41	83	6	MBM		01C	+38.57	TEH	TEC	560UL	24	
44	64	2.36	88	6	MBM		04C	+16.97	TEH	TEC	560UL	29	
44	65	3.28	76	6	MBM		TSH	+8.36	TEH	TEC	560UL	30	
	66	2.10	46	6	MBM		06C	+30.90	TEH	TEC	560UL	30	
		2.38	82	6	MBM		FBC	+17.35	TEH	TEC	560UL	30	
44	73	2.64	81	6	MBM		05C	+33.89	TEH	TEC	560UL	30	
44	74	3.90	83	6	MBM		03C	+37.51	TEH	TEC	560UL	30	
44	78	2.50	176	P 1	DNT		07C	+0.33	TEH	TEC	560UL	33	

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QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
44	79	2.17	89	6	MBM		02H	+21.07	TEH	TEC	560UL	32	
44	80	3.39	81	6	MBM		FBH	+11.57	TEH	TEC	560UL	33	
44	82	3.29	88	6	MBM		02H	+26.92	TEH	TEC	560UL	33	
44	84	3.77	81	6	MBM		01H	+22.23	TEH	TEC	560UL	33	
		4.50	88	6	MBM		04C	+18.57	TEH	TEC	560UL	33	
		2.89	87	6	MBM		04C	+28.24	TEH	TEC	560UL	33	
44	87	4.26	76	6	MBM		AV4	+11.03	TEH	TEC	560UL	35	
		3.75	89	6	MBM		AV4	+12.76	TEH	TEC	560UL	35	
44	92	6.33	75	6	MBM		04C	-1.18	TEH	TEC	560UL	35	
44	95	3.96	79	6	MBM		01H	+8.94	TEH	TEC	560UL	35	
		4.68	71	6	MBM		02C	+20.99	TEH	TEC	560UL	35	
		3.93	81	6	MBM		01C	+32.44	TEH	TEC	560UL	35	
44	97	2.13	180	1	DNG		07C	-0.74	TEH	TEC	560UL	35	
		3.06	180	P 1	DNT		07C	+0.34	TEH	TEC	560UL	35	
		5.02	80	6	MBM		03C	+23.43	TEH	TEC	560UL	35	
44	98	4.28	181	P 1	DNT		07C	-0.71	TEH	TEC	560UL	35	
		2.42	180	P 1	DNT		07C	+0.35	TEH	TEC	560UL	35	
		4.91	183	1	DNG		06C	+26.74	TEH	TEC	560UL	35	
44	99	4.24	180	P 1	DNT		07C	+0.33	TEH	TEC	560UL	34	
		3.03	181	P 1	DNT		07C	-0.76	TEH	TEC	560UL	34	
	100	6.03	181	P 1	DNT		07C	-0.73	TEH	TEC	560UL	35	
		2.52	180	P 1	DNT		07C	+0.33	TEH	TEC	560UL	35	
		3.73	83	6	MBM		01H	+10.16	TEH	TEC	560UL	35	
		4.22	76	6	MBM		01H	+12.13	TEH	TEC	560UL	35	
		4.27	87	6	MBM		01H	+16.01	TEH	TEC	560UL	35	
44	101	2.96	86	6	MBM		01C	+26.36	TEH	TEC	560UL	34	
		5.24	179	P 1	DNT		07C	+0.36	TEH	TEC	560UL	34	
		6.12	181	P 1	DNT		07C	-0.71	TEH	TEC	560UL	34	
44	102	2.48	178	P 1	DNT		04C	+0.60	TEH	TEC	560UL	35	
		7.07	181	P 1	DNT		07C	-0.73	TEH	TEC	560UL	35	
		5.50	180	P 1	DNT		07C	+0.35	TEH	TEC	560UL	35	
		2.34	181	P 1	DNT		04H	+0.76	TEH	TEC	560UL	35	
		7.59	76	6	MBM		06H	+10.77	TEH	TEC	560UL	35	
45	23	2.30	182	P 1	DNT		07H	+0.29	TEH	TEC	560UL	29	
		4.27	180	P 1	DNT		07C	+0.35	TEH	TEC	560UL	29	
45	24	3.13	182	1	DNG		04C	+35.94	TEH	TEC	560UL	29	
45	33	5.25	82	6	MBM		06C	+27.38	TEH	TEC	560UL	28	
		2.84	187	1	DNG		AV1	+2.95	TEH	TEC	560UL	28	
45	35	2.08	181	1	DNG		06H	+23.22	TEH	TEC	560UL	28	
		2.57	180	1	DNG		06H	+29.52	TEH	TEC	560UL	28	
		2.12	174	P 1	DNT		07C	+0.39	TEH	TEC	560UL	28	
45	38	2.60	185	1	DNG		02H	+0.76	TEH	TEC	560UL	25	
45	39	2.43	182	1	DNG		06C	+37.74	TEH	TEC	560UL	25	
45	44	3.39	70	6	MBM		FBC	+10.14	TEH	TEC	560UL	26	
45	48	3.05	178	P 1	DNT		07C	+0.35	TEH	TEC	560UL	23	
	50	2.19	81	6	MBM		04C	+36.46	TEH	TEC	560UL	23	
	52	8.73	81	6	MBM		AV4	+1.54	TEH	TEC	560UL	24	
45	55	2.48	70	6	MBM		TSH	+4.90	TEH	TEC	560UL	23	
		2.43	75	6	MBM		TSH	+15.57	TEH	TEC	560UL	23	
45	56	2.33	85	6	MBM		02C	+10.96	TEH	TEC	560UL	23	

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QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
45	57	6.56	90	6	MBM		03H	+34.04	TEH	TEC	560UL	23	
		5.31	87	6	MBM		03H	+38.89	TEH	TEC	560UL	23	
45	64	4.25	70	6	MBM		03H	+25.05	TEH	TEC	560UL	28	
45	68	3.13	89	6	MBM		03H	+6.26	TEH	TEC	560UL	30	
45	70	2.59	84	6	MBM		02C	+22.46	TEH	TEC	560UL	30	
45	71	2.67	179	P 1	DNT		07H	+0.56	TEH	TEC	560UL	31	
		5.27	182	1	DNG		06C	+39.55	TEH	TEC	560UL	31	
45	74	2.38	88	6	MBM		04H	+36.98	TEH	TEC	560UL	31	
45	77	3.23	82	6	MBM		05C	+35.64	TEH	TEC	560UL	32	
45	78	3.01	175	P 1	DNT		07C	+0.38	TEH	TEC	560UL	32	
45	79	3.33	83	6	MBM		TSH	+10.51	TEH	TEC	560UL	33	
		2.55	64	6	MBM		06H	+4.04	TEH	TEC	560UL	33	
		2.37	63	6	MBM		04C	+15.81	TEH	TEC	560UL	33	
45	82	5.23	179	P 1	DNT		02C	-0.19	TEH	TEC	560UL	32	
45	85	2.09	64	6	MBM		FBC	+4.85	TEH	TEC	560UL	32	
45	87	2.87	180	P 1	DNT		07C	+0.38	TEH	TEC	560UL	34	
		2.24	182	1	DNG		05C	+35.27	TEH	TEC	560UL	34	
45	90	2.91	89	6	MBM		02H	+30.74	TEH	TEC	560UL	34	
		3.40	80	6	MBM		02H	+33.40	TEH	TEC	560UL	34	
		4.17	87	6	MBM		03H	+13.55	TEH	TEC	560UL	34	
	91	9.01	78	6	MBM		03H	+31.84	TEH	TEC	560UL	34	
45	93	5.23	89	6	MBM		02H	+1.51	TEH	TEC	560UL	35	
		2.60	76	6	MBM		04C	+11.50	TEH	TEC	560UL	35	
		2.13	82	6	MBM		04C	+9.84	TEH	TEC	560UL	35	
		2.15	77	6	MBM		04C	+2.84	TEH	TEC	560UL	35	
45	94	5.15	177	P 1	DNT		07H	-0.57	TEH	TEC	560UL	34	
		7.28	178	P 1	DNT		07H	+0.48	TEH	TEC	560UL	34	
		4.66	179	P 1	DNT		07C	+0.67	TEH	TEC	560UL	34	
		3.66	177	P 1	DNT		07C	+0.31	TEH	TEC	560UL	34	
		2.03	181	P 1	DNT		07C	-0.38	TEH	TEC	560UL	34	
		8.89	80	6	MBM		06C	+10.02	TEH	TEC	560UL	34	
45	96	3.78	81	6	MBM		FBC	+9.13	TEH	TEC	560UL	34	
		2.29	77	6	MBM		FBC	+4.87	TEH	TEC	560UL	34	
45	98	2.99	179	P 1	DNT		07C	+0.31	TEH	TEC	560UL	34	
		2.19	181	P 1	DNT		07C	-0.72	TEH	TEC	560UL	34	
45	99	3.18	178	P 1	DNT		07C	+0.31	TEH	TEC	560UL	35	
		2.19	177	P 1	DNT		07C	-0.71	TEH	TEC	560UL	35	
45	100	8.13	180	P 1	DNT		07C	-0.73	TEH	TEC	560UL	35	
		4.48	180	P 1	DNT		07C	+0.33	TEH	TEC	560UL	35	
45	101	3.28	181	P 1	DNT		07C	-0.77	TEH	TEC	560UL	35	
		5.68	181	P 1	DNT		07C	+0.29	TEH	TEC	560UL	35	
46	24	2.23	174	P 1	DNT		07C	+0.35	TEH	TEC	560UL	28	
46	29	0.52	0	P 2	TWD	17	AV4	+0.00	TEH	TEC	560UL	29	
		0.37	0	P 2	TWD	12	AV5	+0.00	TEH	TEC	560UL	29	
46	42	2.82	186	1	DNG		TSC	+2.45	TEH	TEC	560UL	27	
	45	2.40	84	6	MBM		05C	+32.58	TEH	TEC	560UL	26	
		2.16	82	6	MBM		05C	+13.86	TEH	TEC	560UL	26	
		2.23	79	6	MBM		01C	+21.01	TEH	TEC	560UL	26	
		2.19	81	6	MBM		01C	+16.85	TEH	TEC	560UL	26	
		3.38	78	6	MBM		01C	+11.76	TEH	TEC	560UL	26	

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1 Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
		2.51	71	6	MBM		01C	+8.99	TEH	TEC	560UL	26	
		2.79	87	6	MBM		01C	+2.57	TEH	TEC	560UL	26	
		4.19	77	6	MBM		FBC	+17.71	TEH	TEC	560UL	26	
46	48	0.38	0	P 2	TWD	19	AV1	-0.23	TEH	TEC	560UL	24	
		1.54	0	P 2	TWD	38	AV2	+0.31	TEH	TEC	560UL	24	
		1.05	0	P 2	TWD	32	AV3	-0.12	TEH	TEC	560UL	24	
		1.23	0	P 2	TWD	34	AV4	-0.17	TEH	TEC	560UL	24	
		0.66	0	P 2	TWD	25	AV5	-0.66	TEH	TEC	560UL	24	
		0.19	0	P 2	TWD	15	AV6	-0.04	TEH	TEC	560UL	24	
46	57	2.74	80	6	MBM		02C	+15.23	TEH	TEC	560UL	24	
46	58	2.00	81	6	MBM		04H	+30.20	TEH	TEC	560UL	23	
		3.79	82	6	MBM		04H	+35.04	TEH	TEC	560UL	23	
		2.08	66	6	MBM		05H	+10.43	TEH	TEC	560UL	23	
46	65	0.34	0	P 2	TWD	10	AV1	+0.00	TEH	TEC	560UL	30	
		0.31	0	P 2	TWD	9	AV2	+0.00	TEH	TEC	560UL	30	
		0.52	0	P 2	TWD	16	AV3	+0.00	TEH	TEC	560UL	30	
		0.65	0	P 2	TWD	20	AV4	+0.00	TEH	TEC	560UL	30	
		0.52	0	P 2	TWD	16	AV5	+0.00	TEH	TEC	560UL	30	
		0.37	0	P 2	TWD	11	AV6	+0.00	TEH	TEC	560UL	30	
[illegible]	67	0.38	0	P 2	TWD	20	AV5	+0.00	TEH	TEC	560UL	31	
		1.07	0	P 2	TWD	31	AV4	+0.00	TEH	TEC	560UL	31	
		0.28	0	P 2	TWD	18	AV2	+0.00	TEH	TEC	560UL	31	
		0.37	0	P 2	TWD	20	AV1	+0.00	TEH	TEC	560UL	31	
46	68	2.18	183	1	DNG		03H	+29.39	TEH	TEC	560UL	31	
46	69	3.20	179	P 1	DNT		07H	+0.00	TEH	TEC	560UL	30	
46	71	4.11	183	P 1	DNT		07H	+0.52	TEH	TEC	560UL	30	
		0.18	0	P 2	TWD	13	AV1	+0.39	TEH	TEC	560UL	30	
		0.25	0	P 2	TWD	15	AV3	-0.04	TEH	TEC	560UL	30	
		0.64	0	P 2	TWD	25	AV4	-0.19	TEH	TEC	560UL	30	
		0.22	0	P 2	TWD	14	AV6	-0.10	TEH	TEC	560UL	30	
46	72	6.63	180	P 1	DNT		07C	+0.33	TEH	TEC	560UL	31	
		2.84	182	1	DNG		07C	-0.65	TEH	TEC	560UL	31	
46	74	2.79	89	6	MBM		06H	+22.97	TEH	TEC	560UL	30	
		2.69	179	P 1	DNT		07C	+0.33	TEH	TEC	560UL	30	
46	75	4.92	181	P 1	DNT		07C	+0.35	TEH	TEC	560UL	32	
46	76	2.27	182	P 1	DNT		07C	+0.31	TEH	TEC	560UL	32	
		2.29	80	6	MBM		06H	+11.82	TEH	TEC	560UL	32	
46	77	3.41	183	P 1	DNT		07C	+0.29	TEH	TEC	560UL	33	
46	79	3.45	182	1	DNG		07H	+21.40	TEH	TEC	560UL	32	
46	80	3.06	181	1	DNG		07H	+21.44	TEH	TEC	560UL	33	
46	81	2.92	181	1	DNG		07H	+20.96	TEH	TEC	560UL	33	
46	82	3.49	78	6	MBM		06H	+14.31	TEH	TEC	560UL	33	
		3.48	183	1	DNG		07H	+21.08	TEH	TEC	560UL	33	
46	83	0.48	42	P 2	TWD	20	AV2	+0.08	TEH	TEC	560UL	33	
		0.45	43	P 2	TWD	20	AV3	+0.02	TEH	TEC	560UL	33	
		0.55	102	P 2	TWD	22	AV5	-0.04	TEH	TEC	560UL	33	
[illegible]	91	4.79	85	6	MBM		06H	+8.23	TEH	TEC	560UL	35	
		5.21	83	6	MBM		06H	+11.12	TEH	TEC	560UL	35	
		3.26	89	6	MBM		06H	+13.26	TEH	TEC	560UL	35	
		3.38	89	6	MBM		06H	+16.53	TEH	TEC	560UL	35	

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l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
		5.58	83	6	MBM		06H	+29.64	TEH	TEC	560UL	35	
46	93	3.22	181	P 1	DNT		07C	+0.31	TEH	TEC	560UL	34	
		6.07	89	6	MBM		AV6	+11.50	TEH	TEC	560UL	34	
46	94	2.31	179	P 1	DNT		07C	+0.34	TEH	TEC	560UL	35	
		2.39	185	1	DNG		05H	+34.67	TEH	TEC	560UL	35	
		3.47	186	1	DNG		05H	+29.05	TEH	TEC	560UL	35	
46	98	2.43	183	P 1	DNT		04C	-0.37	TEH	TEC	560UL	35	
46	99	2.29	184	1	DNG		07H	+13.24	TEH	TEC	560UL	34	
		2.99	182	1	DNG		07H	+13.60	TEH	TEC	560UL	34	
		2.48	180	P 1	DNT		07C	-0.78	TEH	TEC	560UL	34	
47	24	4.98	180	P 1	DNT		07C	+0.41	TEH	TEC	560UL	29	
47	25	0.22	0	P 2	TWD	17	AV5	+0.00	TEH	TEC	560UL	28	
		0.09	0	P 2	TWD	15	AV6	+0.00	TEH	TEC	560UL	28	
47	30	2.19	181	1	DNG		06C	+32.21	TEH	TEC	560UL	29	
47	31	2.24	182	P 1	DNT		FBH	+0.52	TEH	TEC	560UL	28	
		2.11	183	1	DNG		AV4	+7.94	TEH	TEC	560UL	28	
47	36	2.75	182	1	DNG		06C	+38.51	TEH	TEC	560UL	27	
		2.89	183	1	DNG		06C	+35.81	TEH	TEC	560UL	27	
		3.15	181	1	DNG		06H	+36.70	TEH	TEC	560UL	27	
		2.43	176	1	DNG		06H	+36.89	TEH	TEC	560UL	27	
	37	2.68	78	6	MBM		FBC	+14.09	TEH	TEC	560UL	25	
		3.56	180	P 1	DNT		07C	+0.41	TEH	TEC	560UL	25	
47	38	0.27	0	P 2	TWD	18	AV4	-0.02	TEH	TEC	560UL	25	
		0.23	0	P 2	TWD	18	AV1	+0.00	TEH	TEC	560UL	25	
		0.69	0	P 2	TWD	26	AV2	+0.00	TEH	TEC	560UL	25	
		0.53	0	P 2	TWD	23	AV3	+0.00	TEH	TEC	560UL	25	
		0.84	0	P 2	TWD	28	AV5	+0.00	TEH	TEC	560UL	25	
47	40	2.27	188	1	DNG		06C	+37.71	TEH	TEC	560UL	25	
		0.37	51	P 2	TWD	20	AV1	+0.08	TEH	TEC	560UL	25	
		0.24	91	P 2	TWD	17	AV2	+0.31	TEH	TEC	560UL	25	
		0.30	116	P 2	TWD	18	AV3	+0.00	TEH	TEC	560UL	25	
47	44	2.80	78	6	MBM		07H	+1.44	TEH	TEC	560UL	26	
		3.65	81	6	MBM		07H	+2.30	TEH	TEC	560UL	26	
		7.54	66	6	MBM		07H	+24.69	TEH	TEC	560UL	26	
		0.46	25	P 2	TWD	23	AV2	-0.27	TEH	TEC	560UL	26	
47	45	2.70	81	6	MBM		TSC	+2.99	TEH	TEC	560UL	25	
47	47	2.16	86	6	MBM		05C	+8.65	TEH	TEC	560UL	25	
47	54	3.28	78	6	MBM		04C	+15.92	TEH	TEC	560UL	24	
		2.51	79	6	MBM		05C	+4.02	TEH	TEC	560UL	24	
47	55	0.34	0	P 2	TWD	17	AV1	-0.06	TEH	TEC	560UL	23	
		0.65	0	P 2	TWD	24	AV2	-0.29	TEH	TEC	560UL	23	
		0.51	0	P 2	TWD	21	AV3	-0.02	TEH	TEC	560UL	23	
		1.04	0	P 2	TWD	30	AV4	-0.44	TEH	TEC	560UL	23	
		0.43	0	P 2	TWD	19	AV5	-0.23	TEH	TEC	560UL	23	
		0.16	0	P 2	TWD	13	AV6	+0.19	TEH	TEC	560UL	23	
	56	0.23	0	P 2	TWD	14	AV6	+0.08	TEH	TEC	560UL	23	
	57	0.31	0	P 2	TWD	16	AV3	+0.15	TEH	TEC	560UL	23	
		1.09	0	P 2	TWD	31	AV4	+0.06	TEH	TEC	560UL	23	
		0.29	0	P 2	TWD	16	AV5	-0.13	TEH	TEC	560UL	23	
		0.18	0	P 2	TWD	13	AV6	+0.04	TEH	TEC	560UL	23	

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l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
47	58	3.22	87	6	MBM		05H	+36.89	TEH	TEC	560UL	24	
		2.03	73	6	MBM		AV2	+13.49	TEH	TEC	560UL	24	
		3.47	86	6	MBM		05C	+11.14	TEH	TEC	560UL	24	
47	59	0.13	0	P 2	TWD	12	AV2	-0.19	TEH	TEC	560UL	23	
		0.40	0	P 2	TWD	18	AV4	+0.02	TEH	TEC	560UL	23	
		0.77	0	P 2	TWD	26	AV5	-0.17	TEH	TEC	560UL	23	
		0.32	0	P 2	TWD	16	AV6	-0.02	TEH	TEC	560UL	23	
		0.91	0	P 2	TWD	30	AV3	-0.06	TEH	TEC	560UL	23	
47	60	4.02	87	6	MBM		01H	+33.42	TEH	TEC	560UL	23	
47	61	0.46	24	3	SAI		TSH	-0.81	TSH	TSH	560PP	34	
		7.93	79	6	MBM		02H	+14.72	TEH	TEC	560UL	28	
		4.64	77	6	MBM		04C	+15.02	TEH	TEC	560UL	28	
47	62	2.36	73	6	MBM		TSH	+6.10	TEH	TEC	560UL	28	
47	73	2.19	181	1	DNG		AV6	+2.84	TEH	TEC	560UL	31	
		3.46	182	1	DNG		AV6	+6.18	TEH	TEC	560UL	31	
		2.97	182	1	DNG		06C	+7.72	TEH	TEC	560UL	31	
		2.70	78	6	MBM		02C	+37.45	TEH	TEC	560UL	31	
47	77	2.00	179	P 1	DNT		07C	+0.31	TEH	TEC	560UL	32	
		3.17	177	P 1	DNT		07C	+0.04	TEH	TEC	560UL	32	
		3.06	178	P 1	DNT		07C	-0.25	TEH	TEC	560UL	32	
	83	4.25	180	P 1	DNT		07C	+0.34	TEH	TEC	560UL	33	
47	86	2.99	75	6	MBM		FBC	+5.31	TEH	TEC	560UL	32	
47	87	4.12	179	P 1	DNT		07C	+0.40	TEH	TEC	560UL	34	
47	90	2.68	185	1	DNG		04H	+3.75	TEH	TEC	560UL	34	
47	95	5.08	83	6	MBM		03H	+31.83	TEH	TEC	560UL	34	
47	96	2.17	178	P 1	DNT		07C	+0.27	TEH	TEC	560UL	34	
47	97	2.68	178	P 1	DNT		07C	+0.25	TEH	TEC	560UL	34	
47	98	4.93	180	P 1	DNT		07C	+0.29	TEH	TEC	560UL	34	
		2.10	181	P 1	DNT		07C	-0.74	TEH	TEC	560UL	34	
		2.46	181	P 1	DNT		04C	-0.31	TEH	TEC	560UL	34	
47	99	3.11	181	P 1	DNT		04C	-0.35	TEH	TEC	560UL	35	
		3.23	180	P 1	DNT		04C	+0.58	TEH	TEC	560UL	35	
		3.15	181	P 1	DNT		07C	-0.80	TEH	TEC	560UL	35	
		7.83	181	P 1	DNT		07C	+0.29	TEH	TEC	560UL	35	
		6.02	86	6	MBM		05H	+4.62	TEH	TEC	560UL	35	
48	25	5.13	180	P 1	DNT		07C	+0.37	TEH	TEC	560UL	29	
		2.03	182	P 1	DNT		07C	-0.68	TEH	TEC	560UL	29	
48	26	2.49	185	1	DNG		AV6	-0.60	TEH	TEC	560UL	29	
48	46	3.25	182	1	DNG		AV6	+20.86	TEH	TEC	560UL	26	
48	47	5.26	180	1	DNG		AV6	+20.73	TEH	TEC	560UL	26	
48	48	4.13	181	1	DNG		AV6	+20.86	TEH	TEC	560UL	24	
48	49	3.23	182	1	DNG		AV6	+20.87	TEH	TEC	560UL	24	
48	52	4.30	81	6	MBM		04C	+37.86	TEH	TEC	560UL	23	
		2.80	79	6	MBM		04C	+32.01	TEH	TEC	560UL	23	
48	54	4.61	86	6	MBM		06H	+32.10	TEH	TEC	560UL	23	
		2.43	180	1	DNG		06C	+7.06	TEH	TEC	560UL	23	
		3.94	183	1	DNG		06C	+5.93	TEH	TEC	560UL	23	
48	55	5.76	80	6	MBM		02H	+14.24	TEH	TEC	560UL	24	
		5.80	83	6	MBM		FBC	+5.00	TEH	TEC	560UL	24	
48	60	3.38	74	6	MBM		02C	+23.91	TEH	TEC	560UL	24	

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l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
		2.40	84	6	MBM		02C	+21.27	TEH	TEC	560UL	24	
		2.65	77	6	MBM		02C	+18.33	TEH	TEC	560UL	24	
		5.32	81	6	MBM		01C	+3.49	TEH	TEC	560UL	24	
		3.44	71	6	MBM		01C	+2.38	TEH	TEC	560UL	24	
		4.33	90	6	MBM		TSC	+4.68	TEH	TEC	560UL	24	
48	62	2.48	184	1	DNG		07H	+8.61	TEH	TEC	560UL	29	
48	63	2.88	181	1	DNG		07H	+8.50	TEH	TEC	560UL	28	
48	65	3.06	183	1	DNG		07H	+8.43	TEH	TEC	560UL	30	
48	66	2.28	181	1	DNG		07H	+7.98	TEH	TEC	560UL	30	
48	67	2.58	181	1	DNG		07H	+8.57	TEH	TEC	560UL	31	
48	68	2.78	181	1	DNG		07H	+8.32	TEH	TEC	560UL	31	
48	69	3.16	183	1	DNG		07H	+8.38	TEH	TEC	560UL	30	
48	71	2.90	182	1	DNG		07H	+8.30	TEH	TEC	560UL	30	
48	74	2.37	183	1	DNG		07H	+8.05	TEH	TEC	560UL	30	
48	76	2.69	182	1	DNG		07H	+8.58	TEH	TEC	560UL	32	
		2.20	183	1	DNG		05C	+4.36	TEH	TEC	560UL	32	
48	77	3.10	183	1	DNG		07H	+8.44	TEH	TEC	560UL	33	
48	79	2.24	187	1	DNG		01C	+13.95	TEH	TEC	560UL	32	
48	83	2.59	186	1	DNG		FBH	+1.71	TEH	TEC	560UL	33	
		4.03	183	1	DNG		03C	+25.22	TEH	TEC	560UL	33	
	84	5.69	88	6	MBM		02C	+32.96	TEH	TEC	560UL	33	
48	86	4.63	80	6	MBM		04H	+12.68	TEH	TEC	560UL	33	
		3.16	88	6	MBM		04H	+18.89	TEH	TEC	560UL	33	
48	87	4.94	179	P 1	DNT		07H	+0.48	TEH	TEC	560UL	35	
48	90	2.97	79	6	MBM		03C	+39.00	TEH	TEC	560UL	35	
48	94	2.13	182	P 1	DNT		07C	+0.31	TEH	TEC	560UL	35	
48	95	2.33	178	P 1	DNT		07C	+0.27	TEH	TEC	560UL	35	
48	97	4.97	181	P 1	DNT		07C	+0.29	TEH	TEC	560UL	35	
48	98	2.15	181	P 1	DNT		04C	-0.31	TEH	TEC	560UL	35	
		2.59	179	P 1	DNT		04C	+0.68	TEH	TEC	560UL	35	
		2.26	181	P 1	DNT		07C	-0.78	TEH	TEC	560UL	35	
		4.78	181	P 1	DNT		07C	+0.27	TEH	TEC	560UL	35	
		2.23	76	6	MBM		04C	+30.66	TEH	TEC	560UL	35	
		2.54	76	6	MBM		04C	+28.27	TEH	TEC	560UL	35	
49	31	2.32	182	1	DNG		AV6	+21.45	TEH	TEC	560UL	28	
49	35	3.47	182	1	DNG		AV6	+20.71	TEH	TEC	560UL	28	
49	38	5.77	81	6	MBM		03C	+22.05 TO+37.8	TEH	TEC	560UL	25	
		2.09	73	6	MBM		AV5	+8.59	TEH	TEC	560UL	25	
49	48	2.05	183	1	DNG		02C	+18.19	TEH	TEC	560UL	23	
		2.55	183	1	DNG		02C	+16.53	TEH	TEC	560UL	23	
49	53	4.44	79	6	MBM		01H	+3.30	TEH	TEC	560UL	23	
		11.15	79	6	MBM		02H	+6.36	TEH	TEC	560UL	23	
		3.93	70	6	MBM		02C	+19.82	TEH	TEC	560UL	23	
49	57	9.29	58	6	MBM		AV4	-0.86	TEH	TEC	560UL	23	
49	58	3.53	80	6	MBM		01H	+7.78	TEH	TEC	560UL	24	
		4.53	89	6	MBM		02H	+5.73	TEH	TEC	560UL	24	
		2.64	80	6	MBM		02H	+10.31	TEH	TEC	560UL	24	
		5.89	90	6	MBM		02H	+13.05	TEH	TEC	560UL	24	
		3.29	88	6	MBM		02H	+18.10	TEH	TEC	560UL	24	
		2.42	90	6	MBM		02H	+26.31	TEH	TEC	560UL	24	

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l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
		2.69	89	6	MBM		01C	+2.78	TEH	TEC	560UL	24	
		4.69	88	6	MBM		02H	+9.08	TEH	TEC	560UL	24	
49	60	2.07	80	6	MBM		06H	+15.07	TEH	TEC	560UL	23	
49	64	2.28	180	1	DNG		02H	+3.96	TEH	TEC	560UL	28	
		0.16	0	P 2	TWD	16	AV1	+0.00	TEH	TEC	560UL	28	
49	66	3.56	184	1	DNG		01H	+33.53	TEH	TEC	560UL	30	
		0.32	0	P 2	TWD	10	AV2	+0.00	TEH	TEC	560UL	30	
49	75	0.61	21	P 1	SCI		TSH	+0.14	TSH	TSH	560PP	34	
49	76	2.02	173	1	DNG		04C	+32.81	TEH	TEC	560UL	55	
49	78	6.02	183	1	DNG		06C	+33.05	TEH	TEC	560UL	32	
		2.68	181	1	DNG		06C	+31.94	TEH	TEC	560UL	32	
		9.71	178	P 1	DNT		06C	-0.66	TEH	TEC	560UL	32	
		2.60	182	1	DNG		05C	+4.45	TEH	TEC	560UL	32	
		5.37	181	P 1	DNT		04C	+0.04	TEH	TEC	560UL	32	
		3.39	185	1	DNG		03C	+4.98	TEH	TEC	560UL	32	
		2.64	80	6	MBM		05C	+10.10	TEH	TEC	560UL	32	
49	79	5.02	85	6	MBM		03H	+4.78	TEH	TEC	560UL	33	
49	80	11.16	79	6	MBM		FBH	+10.59	TEH	TEC	560UL	32	
49	83	3.40	181	P 1	DNT		07C	+0.27	TEH	TEC	560UL	33	
[illegible]	84	2.70	183	1	DNG		06H	+39.57	TEH	TEC	560UL	32	
	86	4.91	72	6	MBM		02C	+28.78	TEH	TEC	560UL	32	
		2.98	86	6	MBM		06H	+37.58	TEH	TEC	560UL	32	
49	87	2.72	186	1	DNG		01C	+37.29	TEH	TEC	560UL	34	
49	89	8.20	81	6	MBM		05C	+26.23	TEH	TEC	560UL	35	
49	90	6.31	87	6	MBM		02H	+5.28	TEH	TEC	560UL	34	
49	92	4.47	83	6	MBM		01H	+14.34	TEH	TEC	560UL	34	
		3.44	84	6	MBM		01H	+22.98	TEH	TEC	560UL	34	
		3.30	77	6	MBM		01H	+29.13	TEH	TEC	560UL	34	
		2.49	79	6	MBM		01H	+32.24	TEH	TEC	560UL	34	
		3.61	79	6	MBM		01H	+37.30	TEH	TEC	560UL	34	
		7.01	84	6	MBM		02H	+6.22	TEH	TEC	560UL	34	
		4.88	87	6	MBM		02H	+9.57	TEH	TEC	560UL	34	
		5.47	83	6	MBM		02H	+11.33	TEH	TEC	560UL	34	
		6.96	84	6	MBM		03H	+6.13	TEH	TEC	560UL	34	
49	93	9.67	77	6	MBM		04C	+16.70	TEH	TEC	560UL	35	
49	94	6.76	82	6	MBM		AV5	+0.58	TEH	TEC	560UL	34	
49	95	7.90	181	P 1	DNT		07C	+0.30	TEH	TEC	560UL	34	
		4.18	180	P 1	DNT		07C	-0.78	TEH	TEC	560UL	34	
49	96	6.83	181	P 1	DNT		07C	+0.29	TEH	TEC	560UL	35	
		2.28	84	6	MBM		03H	+25.66	TEH	TEC	560UL	35	
		4.17	90	6	MBM		03H	+33.69	TEH	TEC	560UL	35	
		2.45	86	6	MBM		04H	+8.20	TEH	TEC	560UL	35	
50	30	0.23	0	P 2	TWD	18	AV1	+0.00	TEH	TEC	560UL	28	
		0.14	0	P 2	TWD	16	AV2	+0.00	TEH	TEC	560UL	28	
		0.31	0	P 2	TWD	19	AV3	+0.00	TEH	TEC	560UL	28	
	33	4.30	185	1	DNG		06H	+37.07	TEH	TEC	560UL	29	
[illegible]	36	5.71	78	6	MBM		03C	+12.74	TEH	TEC	560UL	25	
50	37	2.94	185	1	DNG		TSH	+6.34	TEH	TEC	560UL	27	
50	39	2.82	72	6	MBM		02H	+3.72	TEH	TEC	560UL	27	
		3.89	185	1	DNG		04H	+6.54	TEH	TEC	560UL	27	

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QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
50	53	2.66	67	6	MBM		02C	+11.24	TEH	TEC	560UL	24	
50	62	3.10	186	1	DNG		06H	+36.59	TEH	TEC	560UL	29	
50	63	3.63	181	1	DNG		06H	+36.52	TEH	TEC	560UL	28	
		2.39	183	1	DNG		03C	+27.96	TEH	TEC	560UL	28	
50	64	2.55	185	1	DNG		06H	+36.42	TEH	TEC	560UL	29	
50	65	2.00	180	P 1	DNT		07H	+0.00	TEH	TEC	560UL	30	
50	67	2.24	185	1	DNG		06H	+36.41	TEH	TEC	560UL	30	
50	71	2.59	184	1	DNG		06H	+36.45	TEH	TEC	560UL	30	
50	74	2.51	184	1	DNG		06H	+36.01	TEH	TEC	560UL	30	
50	75	2.66	184	1	DNG		06H	+36.48	TEH	TEC	560UL	32	
50	77	2.91	187	1	DNG		01C	+8.84	TEH	TEC	560UL	33	
50	79	0.24	0	P 2	TWD	17	AV1	+0.00	TEH	TEC	560UL	32	
		0.20	0	P 2	TWD	16	AV2	+0.00	TEH	TEC	560UL	32	
		0.81	0	P 2	TWD	27	AV3	+0.00	TEH	TEC	560UL	32	
		0.64	0	P 2	TWD	25	AV4	+0.00	TEH	TEC	560UL	32	
		0.17	0	P 2	TWD	17	AV5	+0.00	TEH	TEC	560UL	32	
50	81	3.85	72	6	MBM		01H	+13.11	TEH	TEC	560UL	33	
		2.68	76	6	MBM		AV3	+1.47	TEH	TEC	560UL	33	
50	83	2.23	186	1	DNG		07C	-0.83	TEH	TEC	560UL	33	
		3.69	180	P 1	DNT		07C	+0.25	TEH	TEC	560UL	33	
	85	2.80	88	6	MBM		02H	+2.41	TEH	TEC	560UL	33	
		3.73	89	6	MBM		03H	+5.51	TEH	TEC	560UL	33	
		9.03	82	6	MBM		04H	+35.02	TEH	TEC	560UL	33	
		5.85	83	6	MBM		05H	+3.87	TEH	TEC	560UL	33	
		6.40	86	6	MBM		05H	+36.87	TEH	TEC	560UL	33	
		3.33	80	6	MBM		04C	+6.72	TEH	TEC	560UL	33	
		3.86	84	6	MBM		05H	+8.60	TEH	TEC	560UL	33	
50	86	6.36	88	6	MBM		03C	+16.02	TEH	TEC	560UL	33	
		5.89	80	6	MBM		03C	+18.46	TEH	TEC	560UL	33	
50	88	0.23	33	P 2	TWD	13	AV3	+0.04	TEH	TEC	560UL	35	
		0.31	46	P 2	TWD	16	AV4	+0.02	TEH	TEC	560UL	35	
		0.17	80	P 2	TWD	11	AV5	-0.02	TEH	TEC	560UL	35	
		0.16	128	P 2	TWD	11	AV6	-0.04	TEH	TEC	560UL	35	
50	90	2.81	186	1	DNG		01C	+22.00	TEH	TEC	560UL	35	
50	91	2.82	87	6	MBM		AV4	+20.74	TEH	TEC	560UL	35	
		3.15	76	6	MBM		04C	+25.91	TEH	TEC	560UL	35	
50	92	2.41	75	6	MBM		03H	+36.17	TEH	TEC	560UL	35	
50	94	2.59	181	P 1	DNT		07C	-0.73	TEH	TEC	560UL	35	
		5.57	181	P 1	DNT		07C	+0.34	TEH	TEC	560UL	35	
50	95	2.16	178	P 1	DNT		07C	-0.82	TEH	TEC	560UL	35	
51	30	4.12	82	6	MBM		01C	+31.03	TEH	TEC	560UL	29	
51	33	3.17	179	P 1	DNT		07H	+0.25	TEH	TEC	560UL	28	
51	39	6.83	183	1	DNG		06H	+39.54	TEH	TEC	560UL	25	
51	43	5.25	84	6	MBM		01H	+29.78	TEH	TEC	560UL	25	
51	45	2.53	83	6	MBM		01H	+31.13	TEH	TEC	560UL	25	
		3.65	184	1	DNG		07H	-1.06	TEH	TEC	560UL	25	
51	52	2.59	185	1	DNG		05C	+20.81	TEH	TEC	560UL	24	
51	53	2.38	90	6	MBM		AV5	+9.84	TEH	TEC	560UL	23	
51	55	0.25	0	P 2	TWD	15	AV2	-0.21	TEH	TEC	560UL	23	
		0.20	0	P 2	TWD	14	AV3	+0.02	TEH	TEC	560UL	23	

10/99 RF10 - SGA
l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
51	58	3.15	188	1	DNG		AV5	+16.99	TEH	TEC	560UL	24	
		2.37	185	1	DNG		06C	+15.93	TEH	TEC	560UL	24	
51	77	2.08	82	6	MBM		05H	+14.95	TEH	TEC	560UL	32	
51	83	3.97	181	P 1	DNT		07C	-0.27	TEH	TEC	560UL	33	
		2.74	182	P 1	DNT		07C	+0.19	TEH	TEC	560UL	33	
51	84	3.03	178	P 1	DNT		03H	-0.54	TEH	TEC	560UL	32	
51	87	2.07	185	1	DNG		TSC	+16.51	TEH	TEC	560UL	34	
		4.03	184	1	DNG		TSC	+16.06	TEH	TEC	560UL	34	
		2.68	185	1	DNG		TSC	+15.00	TEH	TEC	560UL	34	
51	90	2.17	182	P 1	DNT		07C	+0.29	TEH	TEC	560UL	34	
51	91	5.72	84	6	MBM		AV1	+7.68	TEH	TEC	560UL	34	
		6.49	56	6	MBM		AV1	+9.60	TEH	TEC	560UL	34	
		3.52	82	6	MBM		06C	+9.68	TEH	TEC	560UL	34	
51	92	2.69	181	P 1	DNT		07C	+0.36	TEH	TEC	560UL	35	
		2.98	185	P 1	DNT		AV2	+0.10	TEH	TEC	560UL	35	
52	42	4.85	81	6	MBM		04C	+4.24	TEH	TEC	560UL	25	
52	43	6.88	85	6	MBM		06H	+33.53	TEH	TEC	560UL	26	
		5.06	67	6	MBM		AV4	+14.64	TEH	TEC	560UL	26	
		2.91	83	6	MBM		06C	+2.88	TEH	TEC	560UL	26	
[illegible]	44	4.50	80	6	MBM		01H	+2.37	TEH	TEC	560UL	25	
	46	3.77	79	6	MBM		04C	+3.28	TEH	TEC	560UL	26	
52	48	4.18	67	6	MBM		TSC	+2.61	TEH	TEC	560UL	24	
52	65	3.38	75	6	MBM		03C	+9.79	TEH	TEC	560UL	30	
		2.26	69	6	MBM		01C	+16.59	TEH	TEC	560UL	30	
52	72	8.87	179	P 1	DNT		07C	+0.40	TEH	TEC	560UL	31	
		3.76	178	1	DNG		07C	-0.65	TEH	TEC	560UL	31	
52	73	2.00	89	6	MBM		02H	+26.95	TEH	TEC	560UL	30	
		2.55	86	6	MBM		04H	+16.29	TEH	TEC	560UL	30	
		3.60	183	1	DNG		06C	+39.13	TEH	TEC	560UL	30	
		2.77	82	6	MBM		03H	+21.15	TEH	TEC	560UL	30	
52	75	2.64	87	6	MBM		04H	+3.31	TEH	TEC	560UL	32	
52	77	4.23	181	P 1	DNT		07C	+0.36	TEH	TEC	560UL	33	
52	80	2.50	79	6	MBM		06C	+24.58	TEH	TEC	560UL	33	
52	81	3.23	184	1	DNG		06H	+31.90	TEH	TEC	560UL	33	
52	83	5.98	181	P 1	DNT		07C	+0.40	TEH	TEC	560UL	32	
		2.48	181	1	DNG		07C	-0.73	TEH	TEC	560UL	32	
52	84	2.97	181	P 1	DNT		07C	+0.27	TEH	TEC	560UL	33	
52	87	5.81	185	1	DNG		TSC	+1.77	TEH	TEC	560UL	35	
52	88	3.22	185	1	DNG		01C	+14.10	TEH	TEC	560UL	35	
52	90	4.48	181	P 1	DNT		07C	+0.29	TEH	TEC	560UL	35	
52	91	2.97	180	P 1	DNT		07C	+0.34	TEH	TEC	560UL	35	
53	34	0.74	0	P 2	TWD	22	AV5	+0.00	TEH	TEC	560UL	29	
		1.18	0	P 2	TWD	31	AV6	+0.00	TEH	TEC	560UL	29	
		3.25	179	P 1	DNT		AV1	+0.00	TEH	TEC	560UL	29	
		3.04	187	1	DNG		03H	+27.28	TEH	TEC	560UL	29	
		3.91	183	1	DNG		AV6	+23.63	TEH	TEC	560UL	29	
[illegible]	35	0.18	0	P 2	TWD	16	AV4	+0.00	TEH	TEC	560UL	28	
		0.21	0	P 2	TWD	17	AV5	+0.00	TEH	TEC	560UL	28	
		0.17	0	P 2	TWD	16	AV6	+0.00	TEH	TEC	560UL	28	
		2.45	181	1	DNG		AV6	+23.77	TEH	TEC	560UL	28	

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l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
53	36	0.26	0	P 2	TWD	15	AV6	-0.10	TEH	TEC	560UL	27	
		0.16	0	P 2	TWD	12	AV4	-0.06	TEH	TEC	560UL	27	
		4.20	183	1	DNG		AV6	+23.53	TEH	TEC	560UL	27	
		2.91	81	6	MBM		05C	+33.02	TEH	TEC	560UL	27	
		2.05	84	6	MBM		05C	+29.69	TEH	TEC	560UL	27	
		2.05	73	6	MBM		02C	+37.00	TEH	TEC	560UL	27	
53	40	3.15	182	1	DNG		06H	+27.32	TEH	TEC	560UL	27	
53	41	3.27	71	6	MBM		02H	+1.84	TEH	TEC	560UL	25	
53	43	2.97	78	6	MBM		03C	+25.67	TEH	TEC	560UL	25	
53	45	4.30	175	P 1	DNT		07H	+0.48	TEH	TEC	560UL	25	
53	51	3.42	185	1	DNG		AV6	+21.94	TEH	TEC	560UL	24	
53	52	4.30	182	1	DNG		AV6	+21.94	TEH	TEC	560UL	24	
53	53	3.94	184	1	DNG		07H	+8.93	TEH	TEC	560UL	23	
53	54	3.66	182	1	DNG		07H	+9.51	TEH	TEC	560UL	24	
53	55	3.69	183	1	DNG		07H	+9.03	TEH	TEC	560UL	23	
53	56	5.68	183	1	DNG		07H	+9.03	TEH	TEC	560UL	23	
53	57	3.95	184	1	DNG		07H	+8.97	TEH	TEC	560UL	23	
53	58	5.68	183	1	DNG		07H	+9.34	TEH	TEC	560UL	24	
53	59	5.15	182	1	DNG		07H	+9.04	TEH	TEC	560UL	24	
[illegible]	60	5.20	183	1	DNG		07H	+9.22	TEH	TEC	560UL	24	
		2.55	88	6	MBM		02H	+17.52	TEH	TEC	560UL	24	
53	61	5.33	184	1	DNG		07H	+9.31	TEH	TEC	560UL	29	
		2.50	87	6	MBM		01C	+29.65	TEH	TEC	560UL	29	
53	64	3.06	76	6	MBM		TSH	+10.09	TEH	TEC	560UL	28	
		9.96	83	6	MBM		01H	+34.83	TEH	TEC	560UL	28	
		3.48	73	6	MBM		03H	+34.72	TEH	TEC	560UL	28	
		4.69	84	6	MBM		04H	+35.99	TEH	TEC	560UL	28	
		0.62	0	P 2	TWD	24	AV5	+0.00	TEH	TEC	560UL	28	
		0.77	0	P 2	TWD	27	AV6	+0.00	TEH	TEC	560UL	28	
53	69	3.66	86	6	MBM		01H	+30.02	TEH	TEC	560UL	30	
53	71	4.92	78	6	MBM		AV6	+25.25	TEH	TEC	560UL	31	
53	72	4.73	88	6	MBM		01H	+7.15	TEH	TEC	560UL	30	
53	78	3.25	183	1	DNG		07H	+8.22	TEH	TEC	560UL	33	
53	81	2.31	78	6	MBM		04H	+32.73	TEH	TEC	560UL	32	
53	82	3.71	80	6	MBM		01H	+8.08	TEH	TEC	560UL	32	
		3.28	89	6	MBM		01H	+9.88	TEH	TEC	560UL	32	
53	85	9.17	78	6	MBM		04C	+17.96	TEH	TEC	560UL	32	
53	86	2.51	183	P 1	DNT		07C	+0.31	TEH	TEC	560UL	32	
		2.18	184	1	DNG		07C	-0.83	TEH	TEC	560UL	32	
53	87	7.28	81	6	MBM		01H	+27.05	TEH	TEC	560UL	34	
		8.89	79	6	MBM		01H	+28.88	TEH	TEC	560UL	34	
		3.15	182	1	DNG		06C	+23.73	TEH	TEC	560UL	34	
		2.58	182	P 1	DNT		07C	+0.31	TEH	TEC	560UL	34	
		2.27	178	P 1	DNT		07C	-0.75	TEH	TEC	560UL	34	
53	88	6.90	77	6	MBM		01H	+36.48	TEH	TEC	560UL	34	
		2.93	183	P 1	DNT		07C	+0.27	TEH	TEC	560UL	34	
[illegible]	89	2.79	180	P 1	DNT		07C	+0.29	TEH	TEC	560UL	35	
53	90	3.40	183	P 1	DNT		07C	+0.30	TEH	TEC	560UL	35	
		2.00	185	1	DNG		04C	+22.10	TEH	TEC	560UL	35	
54	37	5.09	180	P 1	DNT		07H	+0.45	TEH	TEC	560UL	27	

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QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
		3.64	182	P 1	DNT		AV2	+0.00	TEH	TEC	560UL	27	
54	38	2.42	183	P 1	DNT		AV2	+0.10	TEH	TEC	560UL	27	
54	47	3.67	82	6	MBM		FBC	+13.12	TEH	TEC	560UL	26	
54	52	2.65	182	1	DNG		AV6	+20.45	TEH	TEC	560UL	23	
54	53	3.27	182	1	DNG		07H	+11.37	TEH	TEC	560UL	24	
54	54	4.04	181	1	DNG		07H	+10.92	TEH	TEC	560UL	23	
54	55	3.17	183	1	DNG		07H	+11.10	TEH	TEC	560UL	24	
54	57	2.82	182	1	DNG		07H	+11.30	TEH	TEC	560UL	24	
54	58	2.41	182	1	DNG		07H	+11.14	TEH	TEC	560UL	23	
54	59	2.78	183	1	DNG		07H	+11.37	TEH	TEC	560UL	23	
54	61	3.00	181	1	DNG		07H	+10.70	TEH	TEC	560UL	28	
54	64	2.16	88	6	MBM		06H	+2.52	TEH	TEC	560UL	29	
54	65	2.71	80	6	MBM		FBH	+17.91	TEH	TEC	560UL	30	
54	73	2.01	77	6	MBM		TSH	+13.99	TEH	TEC	560UL	30	
		3.00	180	P 1	DNT		07C	+0.35	TEH	TEC	560UL	30	
		2.03	181	P 1	DNT		04C	+0.50	TEH	TEC	560UL	30	
		2.95	181	P 1	DNT		04C	-0.44	TEH	TEC	560UL	30	
		3.58	86	6	MBM		02C	+22.12	TEH	TEC	560UL	30	
54	75	2.67	179	P 1	DNT		04C	+0.54	TEH	TEC	560UL	32	
		2.67	180	P 1	DNT		04C	-0.43	TEH	TEC	560UL	32	
	76	3.41	180	P 1	DNT		07C	+0.33	TEH	TEC	560UL	32	
		3.04	78	6	MBM		01H	+9.97	TEH	TEC	560UL	32	
		5.96	80	6	MBM		02H	+23.28	TEH	TEC	560UL	32	
		3.02	89	6	MBM		02H	+18.56	TEH	TEC	560UL	32	
		2.44	85	6	MBM		04H	+10.31	TEH	TEC	560UL	32	
		3.63	83	6	MBM		01H	+11.84	TEH	TEC	560UL	32	
		2.97	81	6	MBM		01H	+30.85	TEH	TEC	560UL	32	
54	77	2.01	83	6	MBM		02H	+25.17	TEH	TEC	560UL	33	
		2.10	89	6	MBM		03H	+16.99	TEH	TEC	560UL	33	
		3.76	88	6	MBM		04H	+33.11	TEH	TEC	560UL	33	
54	79	2.02	182	P 1	DNT		07C	+0.29	TEH	TEC	560UL	32	
		3.72	76	6	MBM		01C	+24.22	TEH	TEC	560UL	32	
54	83	3.08	182	1	DNG		07H	+1.17	TEH	TEC	560UL	32	
		4.30	182	1	DNG		07H	+1.84	TEH	TEC	560UL	32	
		5.15	181	P 1	DNT		07C	+0.37	TEH	TEC	560UL	32	
		3.53	181	1	DNG		07C	-0.69	TEH	TEC	560UL	32	
54	85	2.32	181	P 1	DNT		07H	+0.71	TEH	TEC	560UL	33	
		2.61	181	P 1	DNT		07C	+0.29	TEH	TEC	560UL	33	
		3.92	184	P 1	DNT		AV2	+0.10	TEH	TEC	560UL	33	
54	86	2.12	180	P 1	DNT		07C	-0.77	TEH	TEC	560UL	33	
		3.15	182	P 1	DNT		07C	+0.29	TEH	TEC	560UL	33	
54	87	3.69	185	1	DNG		07C	-0.91	TEH	TEC	560UL	35	
		4.47	182	P 1	DNT		07C	+0.32	TEH	TEC	560UL	35	
		2.90	184	1	DNG		06C	+1.59	TEH	TEC	560UL	35	
54	88	3.31	184	1	DNG		07C	-0.81	TEH	TEC	560UL	35	
		3.32	182	P 1	DNT		07C	+0.38	TEH	TEC	560UL	35	
		2.06	180	P 1	DNT		07H	+0.48	TEH	TEC	560UL	35	
		2.33	183	1	DNG		06H	+36.09	TEH	TEC	560UL	35	
		4.98	182	1	DNG		06H	+36.75	TEH	TEC	560UL	35	
		6.83	184	1	DNG		06H	+37.10	TEH	TEC	560UL	35	

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l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
		2.20	183	1	DNG		06H	+38.32	TEH	TEC	560UL	35	
		3.31	184	1	DNG		06C	+34.99	TEH	TEC	560UL	35	
		5.72	81	6	MBM		02C	+9.45	TEH	TEC	560UL	35	
55	39	3.30	183	P 1	DNT		AV1	+0.00	TEH	TEC	560UL	27	
55	40	4.48	183	P 1	DNT		AV2	+0.04	TEH	TEC	560UL	27	
		2.56	185	P 1	DNT		AV3	+0.14	TEH	TEC	560UL	27	
		3.35	185	P 1	DNT		AV4	+0.04	TEH	TEC	560UL	27	
55	41	3.23	84	6	MBM		TSC	+12.21	TEH	TEC	560UL	25	
55	42	3.65	80	6	MBM		03H	+28.09	TEH	TEC	560UL	25	
55	44	0.32	49	P 2	TWD	19	AV3	-0.02	TEH	TEC	560UL	26	
55	48	6.39	80	6	MBM		01C	+24.25	TEH	TEC	560UL	23	
55	51	2.23	88	6	MBM		07H	+27.59	TEH	TEC	560UL	23	
55	71	5.62	82	6	MBM		TSH	+3.75	TEH	TEC	560UL	31	
55	72	5.00	176	P 1	DNT		03C	-0.43	TEH	TEC	560UL	31	
		2.47	177	P 1	DNT		03C	+0.54	TEH	TEC	560UL	31	
		3.26	177	P 1	DNT		04C	-0.46	TEH	TEC	560UL	31	
		2.99	176	P 1	DNT		04C	+0.60	TEH	TEC	560UL	31	
		2.17	176	P 1	DNT		07C	-0.56	TEH	TEC	560UL	31	
		6.41	177	P 1	DNT		07C	+0.25	TEH	TEC	560UL	31	
		2.35	172	P 1	DNT		07H	+0.46	TEH	TEC	560UL	31	
		2.52	179	1	DNG		07H	+5.95	TEH	TEC	560UL	31	
		3.77	181	1	DNG		AV2	+3.66	TEH	TEC	560UL	31	
		19.71	179	1	DNG		AV6	+23.88	TEH	TEC	560UL	31	
		6.55	179	1	DNG		AV6	+25.43	TEH	TEC	560UL	31	
55	73	2.82	178	P 1	DNT		04C	-0.43	TEH	TEC	560UL	31	
		2.58	179	P 1	DNT		04C	+0.58	TEH	TEC	560UL	31	
55	74	2.01	177	P 1	DNT		03C	-0.37	TEH	TEC	560UL	31	
		2.53	178	P 1	DNT		04C	-0.48	TEH	TEC	560UL	31	
		5.10	181	P 1	DNT		07C	+0.31	TEH	TEC	560UL	31	
55	75	2.15	76	6	MBM		04H	+9.32	TEH	TEC	560UL	32	
		2.87	179	P 1	DNT		04C	+0.52	TEH	TEC	560UL	32	
		5.64	179	P 1	DNT		04C	-0.44	TEH	TEC	560UL	32	
		2.38	180	P 1	DNT		03C	+0.56	TEH	TEC	560UL	32	
		3.53	178	P 1	DNT		03C	-0.41	TEH	TEC	560UL	32	
55	76	4.42	187	1	DNG		02C	+19.89	TEH	TEC	560UL	33	
		2.85	74	6	MBM		01C	+14.20	TEH	TEC	560UL	33	
55	77	2.88	179	P 1	DNT		04C	+0.58	TEH	TEC	560UL	32	
		3.54	181	P 1	DNT		04C	-0.44	TEH	TEC	560UL	32	
		3.01	181	P 1	DNT		03C	-0.37	TEH	TEC	560UL	32	
		3.60	80	6	MBM		02H	+24.16	TEH	TEC	560UL	32	
		3.52	83	6	MBM		FBH	+15.23	TEH	TEC	560UL	32	
55	78	2.22	179	P 1	DNT		03C	-0.42	TEH	TEC	560UL	32	
55	79	2.50	179	P 1	DNT		04C	-0.46	TEH	TEC	560UL	33	
		2.32	180	P 1	DNT		04C	+0.60	TEH	TEC	560UL	33	
55	81	2.09	179	P 1	DNT		04C	-0.42	TEH	TEC	560UL	32	
	83	2.10	185	1	DNG		07C	-0.82	TEH	TEC	560UL	33	
		2.84	183	P 1	DNT		07C	+0.25	TEH	TEC	560UL	33	
55	84	7.54	85	6	MBM		02C	+34.87	TEH	TEC	560UL	33	
		3.40	76	6	MBM		03C	+13.45	TEH	TEC	560UL	33	
		4.48	83	6	MBM		03C	+15.78	TEH	TEC	560UL	33	

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l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
56	42	4.70	183	1	DNG		06H	+39.72	TEH	TEC	560UL	25	
56	52	4.58	76	6	MBM		06H	+14.24	TEH	TEC	560UL	23	
		2.44	77	6	MBM		06C	+11.25	TEH	TEC	560UL	23	
56	56	3.67	62	6	MBM		FBH	+17.12	TEH	TEC	560UL	24	
56	59	2.02	184	1	DNG		04H	+13.85	TEH	TEC	560UL	23	
56	61	4.93	79	6	MBM		TSH	+15.23	TEH	TEC	560UL	28	
56	63	2.97	82	6	MBM		FBH	+7.96	TEH	TEC	560UL	28	
		7.39	83	6	MBM		06H	+18.87	TEH	TEC	560UL	28	
56	65	2.19	68	6	MBM		01H	+16.56	TEH	TEC	560UL	30	
		2.44	71	6	MBM		01H	+20.24	TEH	TEC	560UL	30	
		2.15	77	6	MBM		01H	+27.60	TEH	TEC	560UL	30	
		2.38	77	6	MBM		01H	+32.82	TEH	TEC	560UL	30	
		2.03	74	6	MBM		01H	+34.41	TEH	TEC	560UL	30	
		2.67	77	6	MBM		01H	+36.97	TEH	TEC	560UL	30	
56	66	2.51	78	6	MBM		02C	+18.88	TEH	TEC	560UL	30	
56	69	3.53	77	6	MBM		06C	+7.55	TEH	TEC	560UL	30	
56	72	2.87	185	P 1	DNT		AV3	+0.00	TEH	TEC	560UL	30	
		4.50	181	P 1	DNT		04C	+0.58	TEH	TEC	560UL	30	
		3.87	182	P 1	DNT		04C	-0.48	TEH	TEC	560UL	30	
		4.28	181	P 1	DNT		03C	+0.56	TEH	TEC	560UL	30	
		3.82	181	P 1	DNT		03C	-0.39	TEH	TEC	560UL	30	
56	73	3.83	181	P 1	DNT		04C	+0.54	TEH	TEC	560UL	30	
		4.82	181	P 1	DNT		04C	-0.37	TEH	TEC	560UL	30	
		4.37	182	P 1	DNT		03C	+0.50	TEH	TEC	560UL	30	
		5.79	181	P 1	DNT		03C	-0.43	TEH	TEC	560UL	30	
56	74	3.92	181	P 1	DNT		04C	+0.52	TEH	TEC	560UL	30	
		4.43	181	P 1	DNT		04C	-0.40	TEH	TEC	560UL	30	
		5.63	181	P 1	DNT		03C	+0.56	TEH	TEC	560UL	30	
		6.19	181	P 1	DNT		03C	-0.41	TEH	TEC	560UL	30	
56	75	4.44	179	P 1	DNT		04C	+0.58	TEH	TEC	560UL	32	
		7.51	180	P 1	DNT		04C	-0.44	TEH	TEC	560UL	32	
		5.99	181	P 1	DNT		03C	+0.56	TEH	TEC	560UL	32	
		5.08	180	P 1	DNT		03C	-0.41	TEH	TEC	560UL	32	
56	76	3.96	180	P 1	DNT		04C	+0.64	TEH	TEC	560UL	32	
		4.01	180	P 1	DNT		04C	-0.44	TEH	TEC	560UL	32	
		3.94	182	P 1	DNT		03C	+0.58	TEH	TEC	560UL	32	
		4.89	180	P 1	DNT		03C	-0.37	TEH	TEC	560UL	32	
56	77	4.36	183	P 1	DNT		03C	-0.46	TEH	TEC	560UL	33	
		5.96	182	P 1	DNT		03C	+0.60	TEH	TEC	560UL	33	
		6.27	182	P 1	DNT		04C	-0.43	TEH	TEC	560UL	33	
		3.67	182	P 1	DNT		04C	+0.58	TEH	TEC	560UL	33	
56	78	2.97	181	P 1	DNT		03C	-0.38	TEH	TEC	560UL	33	
		2.16	181	P 1	DNT		03C	+0.59	TEH	TEC	560UL	33	
		2.87	181	P 1	DNT		04C	-0.42	TEH	TEC	560UL	33	
		2.50	179	P 1	DNT		04C	+0.60	TEH	TEC	560UL	33	
		2.19	181	P 1	DNT		AV5	-0.48	TEH	TEC	560UL	33	
56	79	3.10	178	P 1	DNT		04C	+0.56	TEH	TEC	560UL	32	
		3.98	180	P 1	DNT		04C	-0.42	TEH	TEC	560UL	32	
56	80	2.25	183	1	DNG		05H	+16.52	TEH	TEC	560UL	33	
		2.47	185	1	DNG		05H	+20.45	TEH	TEC	560UL	33	

10/99 RF10 - SGA
l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
		4.36	185	1	DNG		06H	+37.27	TEH	TEC	560UL	33	
		4.60	185	1	DNG		AV4	+20.02	TEH	TEC	560UL	33	
56	81	3.09	180	P 1	DNT		04C	-0.41	TEH	TEC	560UL	33	
		2.14	183	1	DNG		07H	+8.46	TEH	TEC	560UL	33	
56	82	3.05	180	P 1	DNT		07C	+0.27	TEH	TEC	560UL	33	
57	46	2.53	179	P 1	DNT		07C	+0.43	TEH	TEC	560UL	25	
57	47	4.09	186	1	DNG		07H	+5.11	TEH	TEC	560UL	25	
		13.67	183	1	DNG		AV6	+23.00	TEH	TEC	560UL	25	
57	48	2.90	179	P 1	DNT		07H	+0.42	TEH	TEC	560UL	23	
57	49	6.33	180	1	DNG		AV6	+22.75	TEH	TEC	560UL	23	
57	50	4.86	183	1	DNG		AV6	+23.07	TEH	TEC	560UL	23	
57	52	2.35	73	6	MBM		06C	+37.56	TEH	TEC	560UL	24	
57	53	3.15	76	6	MBM		04H	+2.04	TEH	TEC	560UL	23	
		2.93	71	6	MBM		06C	+14.11	TEH	TEC	560UL	23	
57	54	2.78	81	6	MBM		05C	+30.32	TEH	TEC	560UL	24	
57	55	2.76	183	1	DNG		03H	+16.53	STH	TEC	560SN	48	
		2.01	184	1	DNG		AV3	+13.29	STH	TEC	560SN	48	
57	58	2.66	88	6	MBM		AV6	+11.26	TEH	TEC	560UL	24	
57	65	2.93	182	P 1	DNT		AV3	+0.00	TEH	TEC	560UL	30	
57	66	3.63	182	P 1	DNT		AV4	+0.00	TEH	TEC	560UL	30	
	69	4.32	183	P 1	DNT		AV4	+0.12	TEH	TEC	560UL	30	
		2.85	80	6	MBM		05C	+6.89	TEH	TEC	560UL	30	
57	70	4.46	182	1	DNG		07H	+9.05	TEH	TEC	560UL	30	
		2.49	181	P 1	DNT		AV3	+0.00	TEH	TEC	560UL	30	
		3.02	181	P 1	DNT		AV4	+0.00	TEH	TEC	560UL	30	
		2.44	75	6	MBM		03H	+25.98	TEH	TEC	560UL	30	
57	71	2.24	78	6	MBM		04C	+29.25	TEH	TEC	560UL	30	
57	73	5.06	179	P 1	DNT		03C	-0.41	TEH	TEC	560UL	31	
		7.16	179	P 1	DNT		03C	+0.58	TEH	TEC	560UL	31	
		4.99	180	P 1	DNT		04C	-0.42	TEH	TEC	560UL	31	
		3.17	180	P 1	DNT		04C	+0.56	TEH	TEC	560UL	31	
		4.35	183	1	DNG		07H	+10.03	TEH	TEC	560UL	31	
57	74	5.84	177	P 1	DNT		03C	-0.37	TEH	TEC	560UL	31	
		5.93	179	P 1	DNT		03C	+0.58	TEH	TEC	560UL	31	
		7.29	178	P 1	DNT		04C	-0.40	TEH	TEC	560UL	31	
		3.57	178	P 1	DNT		04C	+0.60	TEH	TEC	560UL	31	
		2.20	184	P 1	DNT		AV4	+0.08	TEH	TEC	560UL	31	
		4.88	181	1	DNG		07H	+10.11	TEH	TEC	560UL	31	
57	75	4.84	182	1	DNG		07H	+9.95	TEH	TEC	560UL	32	
		6.66	178	P 1	DNT		04C	+0.62	TEH	TEC	560UL	32	
		8.30	179	P 1	DNT		04C	-0.44	TEH	TEC	560UL	32	
		7.39	178	P 1	DNT		03C	+0.60	TEH	TEC	560UL	32	
		7.39	178	P 1	DNT		03C	-0.37	TEH	TEC	560UL	32	
		3.00	83	6	MBM		03H	+4.15	TEH	TEC	560UL	32	
		4.24	84	6	MBM		03H	+25.33	TEH	TEC	560UL	32	
	77	2.21	176	P 1	DNT		07H	+0.42	TEH	TEC	560UL	32	
		4.91	183	1	DNG		07H	+9.56	TEH	TEC	560UL	32	
		2.74	182	P 1	DNT		AV4	+0.06	TEH	TEC	560UL	32	
		6.52	178	P 1	DNT		04C	+0.64	TEH	TEC	560UL	32	
		6.31	181	P 1	DNT		04C	-0.37	TEH	TEC	560UL	32	

10/99 RF10 - SGA
l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
		6.63	179	P 1	DNT		03C	+0.58	TEH	TEC	560UL	32	
		6.20	180	P 1	DNT		03C	-0.35	TEH	TEC	560UL	32	
57	78	2.89	182	P 1	DNT		03C	-0.37	TEH	TEC	560UL	33	
		5.14	181	P 1	DNT		03C	+0.60	TEH	TEC	560UL	33	
		2.88	180	P 1	DNT		04C	-0.39	TEH	TEC	560UL	33	
		2.78	180	P 1	DNT		04C	+0.60	TEH	TEC	560UL	33	
		2.41	185	P 1	DNT		AV4	+0.04	TEH	TEC	560UL	33	
		4.88	182	1	DNG		07H	+9.73	TEH	TEC	560UL	33	
57	79	3.54	183	P 1	DNT		03C	-0.37	TEH	TEC	560UL	33	
		4.72	181	P 1	DNT		03C	+0.60	TEH	TEC	560UL	33	
		4.92	182	P 1	DNT		04C	-0.48	TEH	TEC	560UL	33	
		6.96	181	P 1	DNT		04C	+0.58	TEH	TEC	560UL	33	
		2.44	182	P 1	DNT		07C	+0.27	TEH	TEC	560UL	33	
		2.18	180	P 1	DNT		07H	+0.42	TEH	TEC	560UL	33	
57	80	2.70	181	P 1	DNT		03C	+0.74	TEH	TEC	560UL	33	
		2.12	182	P 1	DNT		04C	-0.39	TEH	TEC	560UL	33	
		3.21	181	P 1	DNT		04C	+0.58	TEH	TEC	560UL	33	
		2.76	182	P 1	DNT		07C	+0.29	TEH	TEC	560UL	33	
58	48	3.47	178	P 1	DNT		07C	+0.37	TEH	TEC	560UL	24	
[illegible]	51	2.87	77	6	MBM		AV2	+13.96	TEH	TEC	560UL	24	
		6.33	184	P 1	DNT		AV5	+0.25	TEH	TEC	560UL	24	
58	52	6.53	179	P 1	DNT		07C	+0.31	TEH	TEC	560UL	23	
58	58	2.38	187	P 1	DNT		AV4	+0.27	TEH	TEC	560UL	23	
58	61	2.66	184	P 1	DNT		AV4	+0.27	TEH	TEC	560UL	28	
58	62	3.24	184	1	DNG		07H	+11.13	TEH	TEC	560UL	29	
		3.13	187	P 1	DNT		AV3	-0.10	TEH	TEC	560UL	29	
		2.23	186	1	DNG		01C	+2.82	TEH	TEC	560UL	29	
		6.41	78	6	MBM		01C	+3.11	TEH	TEC	560UL	29	
58	63	2.93	181	1	DNG		07H	+11.60	TEH	TEC	560UL	28	
58	64	0.63	107	P 1	SVI		01H	-0.36	01H	01H	560PP	83	
		0.61	132	P 1	DSI		01H	-0.36	TEH	TEC	560UL	29	
		4.01	184	1	DNG		07H	+11.45	TEH	TEC	560UL	29	
58	65	3.30	181	1	DNG		07H	+10.51	TEH	TEC	560UL	30	
		2.70	184	1	DNG		04H	+28.06	TEH	TEC	560UL	30	
		2.42	183	P 1	DNT		AV3	+0.00	TEH	TEC	560UL	30	
58	66	2.90	79	6	MBM		03H	+21.04	TEH	TEC	560UL	30	
		2.98	184	1	DNG		07H	+10.92	TEH	TEC	560UL	30	
		2.71	185	P 1	DNT		AV3	+0.00	TEH	TEC	560UL	30	
		2.32	187	P 1	DNT		AV4	+0.00	TEH	TEC	560UL	30	
58	67	2.27	183	P 1	DNT		AV3	+0.00	TEH	TEC	560UL	30	
		2.38	184	P 1	DNT		AV4	+0.00	TEH	TEC	560UL	30	
58	68	2.19	182	1	DNG		06H	+38.73	TEH	TEC	560UL	31	
		2.22	186	P 1	DNT		AV4	+0.32	TEH	TEC	560UL	31	
58	71	2.96	184	1	DNG		07H	+0.79	TEH	TEC	560UL	30	
		2.92	177	P 1	DNT		07H	+0.42	TEH	TEC	560UL	30	
		3.24	173	1	DNG		07H	-0.65	TEH	TEC	560UL	30	
[illegible]	72	6.84	183	P 1	DNT		AV2	+0.00	TEH	TEC	560UL	30	
		4.52	183	P 1	DNT		AV3	+0.00	TEH	TEC	560UL	30	
		5.78	185	P 1	DNT		AV4	+0.00	TEH	TEC	560UL	30	
		10.24	180	P 1	DNT		07C	+0.60	TEH	TEC	560UL	30	

10/99 RF10 - SGA
l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
		3.10	181	P 1	DNT		07C	-0.44	TEH	TEC	560UL	30	
		3.70	183	P 1	DNT		04C	+0.54	TEH	TEC	560UL	30	
		6.13	182	P 1	DNT		04C	-0.41	TEH	TEC	560UL	30	
		6.83	181	P 1	DNT		03C	+0.51	TEH	TEC	560UL	30	
		4.22	182	P 1	DNT		03C	-0.39	TEH	TEC	560UL	30	
58	73	4.86	180	P 1	DNT		03C	-0.41	TEH	TEC	560UL	30	
		6.79	178	P 1	DNT		03C	+0.58	TEH	TEC	560UL	30	
		6.11	179	P 1	DNT		04C	-0.37	TEH	TEC	560UL	30	
		4.02	179	P 1	DNT		04C	+0.54	TEH	TEC	560UL	30	
		2.11	183	P 1	DNT		AV4	+0.00	TEH	TEC	560UL	30	
		2.70	178	P 1	DNT		07H	-0.50	TEH	TEC	560UL	30	
		2.06	182	P 1	DNT		07H	+0.00	TEH	TEC	560UL	30	
		5.58	180	P 1	DNT		07H	+0.54	TEH	TEC	560UL	30	
		4.97	184	1	DNG		07H	+1.17	TEH	TEC	560UL	30	
		4.35	182	1	DNG		07H	+1.67	TEH	TEC	560UL	30	
58	74	2.09	183	P 1	DNT		AV2	+0.00	TEH	TEC	560UL	30	
		4.82	180	P 1	DNT		04C	+0.48	TEH	TEC	560UL	30	
		5.37	180	P 1	DNT		04C	-0.35	TEH	TEC	560UL	30	
		7.10	180	P 1	DNT		03C	+0.54	TEH	TEC	560UL	30	
		4.71	182	P 1	DNT		03C	-0.39	TEH	TEC	560UL	30	
	75	2.06	180	P 1	DNT		07H	-0.67	TEH	TEC	560UL	32	
		5.42	178	P 1	DNT		07H	+0.48	TEH	TEC	560UL	32	
		6.79	180	P 1	DNT		07C	+0.39	TEH	TEC	560UL	32	
		2.45	180	P 1	DNT		04C	+0.64	TEH	TEC	560UL	32	
		4.94	180	P 1	DNT		04C	-0.41	TEH	TEC	560UL	32	
		6.68	180	P 1	DNT		03C	+0.66	TEH	TEC	560UL	32	
		5.30	180	P 1	DNT		03C	-0.40	TEH	TEC	560UL	32	
		3.83	182	P 1	DNT		07C	-0.73	TEH	TEC	560UL	32	
58	76	4.05	183	P 1	DNT		03C	-0.37	TEH	TEC	560UL	33	
		6.96	180	P 1	DNT		03C	+0.60	TEH	TEC	560UL	33	
		7.35	182	P 1	DNT		04C	-0.41	TEH	TEC	560UL	33	
		6.45	182	P 1	DNT		04C	+0.60	TEH	TEC	560UL	33	
58	77	5.84	182	P 1	DNT		04C	+0.58	TEH	TEC	560UL	33	
		7.32	182	P 1	DNT		04C	-0.48	TEH	TEC	560UL	33	
		6.62	182	P 1	DNT		03C	+0.60	TEH	TEC	560UL	33	
		4.41	184	P 1	DNT		03C	-0.39	TEH	TEC	560UL	33	
59	52	15.88	178	P 1	DNT		07H	+0.51	TEH	TEC	560UL	24	
		2.26	178	P 1	DNT		07H	-0.55	TEH	TEC	560UL	24	
		3.24	184	P 1	DNT		AV3	-0.23	TEH	TEC	560UL	24	
		2.84	180	1	DNG		03C	+16.45	TEH	TEC	560UL	24	
		3.71	179	1	DNG		03C	+10.40	TEH	TEC	560UL	24	
		2.87	179	1	DNG		03C	+4.07	TEH	TEC	560UL	24	
		2.59	180	1	DNG		02C	+38.25	TEH	TEC	560UL	24	
		2.38	182	1	DNG		02C	+31.79	TEH	TEC	560UL	24	
59	57	4.14	184	P 1	DNT		AV3	-0.14	TEH	TEC	560UL	24	
	59	3.12	185	P 1	DNT		AV3	-0.16	TEH	TEC	560UL	24	
59	60	2.16	185	1	DNG		06H	+37.01	TEH	TEC	560UL	24	
59	62	3.31	184	P 1	DNT		AV3	-0.23	TEH	TEC	560UL	29	
		2.65	185	P 1	DNT		AV4	+0.25	TEH	TEC	560UL	29	
59	63	2.37	187	P 1	DNT		AV3	+0.00	TEH	TEC	560UL	29	

10/99 RF10 - SGA
l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
59	65	4.80	183	P 1	DNT		AV3	+0.00	TEH	TEC	560UL	30	
		5.08	183	P 1	DNT		AV4	+0.00	TEH	TEC	560UL	30	
59	66	3.08	184	P 1	DNT		AV3	+0.00	TEH	TEC	560UL	30	
		3.93	184	P 1	DNT		AV4	+0.00	TEH	TEC	560UL	30	
59	67	5.51	182	P 1	DNT		AV3	+0.00	TEH	TEC	560UL	30	
		4.52	183	P 1	DNT		AV4	+0.00	TEH	TEC	560UL	30	
59	68	3.18	184	P 1	DNT		AV4	+0.02	TEH	TEC	560UL	30	
59	69	3.27	184	P 1	DNT		AV3	+0.00	TEH	TEC	560UL	30	
		3.34	182	P 1	DNT		AV5	+0.00	TEH	TEC	560UL	30	
59	71	2.45	178	P 1	DNT		07H	+0.39	TEH	TEC	560UL	30	

Total Tubes : 1581
Total Records: 2959

10/99 RF10 - SGA
1 Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	PROBE	CAL#	COMMENT1

10/99 RF10 - SGA
l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	PROBE	CAL#	COMMENT1

10/99 RF10 - SGA
l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	PROBE	CAL#	COMMENT1

Listing of Steam Generator Tube Imperfections

Callaway Refuel 10 Outage

Steam Generator B

10/99 RF10 - SGB
l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
11	65	0.23	76	3	SAI		TSH	+0.16	TSH	TSH	560PP	2	
11	68	0.21	117	3	SAI		TSH	+0.35	TSH	TSH	560PP	1	
12	55	0.10	101	P 1	SCI		TSH	-0.03	TSH	TSH	560PP	47	
12	65	0.11	93	3	SAI		TSH	+0.10	TSH	TSH	560PP	1	
12	66	0.23	110	3	SAI		TSH	+0.17	TSH	TSH	560PP	2	
12	67	0.20	93	3	SAI		TSH	+0.21	TSH	TSH	560PP	1	
13	49	0.38	61	3	SAI		TSH	+0.09	TSH	TSH	560PP	46	
13	64	0.75	133	P 1	SVI		TSH	+2.01	TSH	TSH	560PP	1	
14	64	0.80	68	2	SVI		TSH	+1.25	TSH	TSH	560PP	2	
		2.73	130	2	SVI		TSH	+2.26	TSH	TSH	560PP	2	
15	62	0.41	106	3	SVI		TSH	+1.02	TSH	TSH	560PP	1	
15	102	0.31	25	P 1	SCI		TSH	+0.12	TSH	TSH	560PP	6	
16	12	0.19	83	3	SVI		TSH	+0.05	TSH	TSH	560PP	41	
17	108	0.21	16	P 1	MCI		TSH	+0.08	TSH	TSH	560PP	5	
27	95	0.72	17	3	SAI		TSH	+0.03	TSH	TSH	560PP	32	
27	113	0.31	19	P 1	SCI		TSH	-0.04	TSH	TSH	560PP	48	

Total Tubes : 15
tal Records: 16

Listing of Steam Generator Tube Imperfections

Callaway Refuel 10 Outage

Steam Generator C

10/99 RF10 - SGC
Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION			EXT	EXT	PROBE	CAL#	COMMENT1
1	5	0.12	96	3	SVI		TSH	+0.12		TSH	TSH	560PP	3	
9	64	0.11	138	3	SVI		TSH	+0.24		TSH	TSH	560PP	1	
10	93	0.14	84	P 1	SVI		TSH	+0.23	TO+0.91	TSH	TSH	560PP	57	
11	30	0.36	70	3	SVI		TSH	+0.28		TSH	TSH	560PP	9	
11	63	0.15	85	3	SVI		TSH	+0.84		TSH	TSH	560PP	1	
11	69	0.15	55	P 1	SVI		TSH	+0.10		TSH	TSH	560PP	1	
12	65	0.16	109	3	SVI		TSH	+1.66		TSH	TSH	560PP	1	
13	65	0.90	106	2	SVI		TSH	+1.46		TSH	TSH	560PP	1	
14	52	0.33	69	3	SAI		TSH	+0.14		TSH	TSH	560PP	63	
14	62	0.15	58	3	SAI		TSH	+0.66		TSH	TSH	560PP	1	
15	31	0.78	22	3	SAI		TSH	+0.08		TSH	TSH	560PP	10	
16	66	0.14	107	P 1	SVI		TSH	+0.49		TSH	TSH	560PP	1	
18	103	0.22	19	P 1	SCI		TSH	+0.05		TSH	TSH	560PP	48	
21	87	0.29	50	P 1	SCI		TSH	+0.28		TSH	TSH	560PP	45	
22	81	0.32	19	P 1	SCI		TSH	+0.04		TSH	TSH	560PP	46	
23	9	0.11	114	3	SAI		TSH	+0.45		TSH	TSH	560PP	3	
25	88	0.39	13	P 1	SCI		TSH	+0.05		TSH	TSH	560PP	46	
27	31	0.07	114	3	SVI		TSH	+0.16		TSH	TSH	560PP	20	
30	62	0.19	14	P 1	SCI		TSH	+0.08		TSH	TSH	560PP	41	
[illegible]	104	0.37	25	3	SAI		TSH	-0.02		TSH	TSH	560PP	48	
	41	0.15	19	P 1	SCI		TSH	+0.10		TSH	TSH	560PP	23	
31	62	0.23	13	P 1	MCI		TSH	+0.09		TSH	TSH	560PP	42	
34	45	1.18	36	P 1	MCI		TSH	-4.55		TSH	TSH	560PP	26	
		0.44	35	P 1	SCI		TSH	-5.74		TSH	TSH	560PP	54	
37	98	0.27	77	P 1	SVI		TSH	+0.20		TSH	TSH	560PP	48	
41	54	0.26	16	P 1	SCI		TSH	+0.04		TSH	TSH	560PP	31	
48	37	0.50	126	3	SVI		TSH	+0.01		TSH	TSH	560PP	34	
48	75	0.29	102	P 1	SVI		TSH	+0.07		TSH	TSH	560PP	38	
48	76	0.17	27	P 1	SVI		TSH	+0.13		TSH	TSH	560PP	38	
51	62	0.27	90	P 1	SVI		TSH	+0.06		TSH	TSH	560PP	38	
57	76	0.23	15	P 1	SCI		TSH	+0.03		TSH	TSH	560PP	37	

Total Tubes : 30
Total Records: 31

Listing of Steam Generator Tube Imperfections

Callaway Refuel 10 Outage

Steam Generator D

10/99 RF10 - SGD
1 Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION			EXT	EXT	PROBE	CAL#	COMMENT1
1	6	5.91	86	6	MBM		06H	+13.26		TEH	07H	560UL	42	
		2.67	88	6	MBM		03H	+5.08		TEH	07H	560UL	42	
1	8	7.50	182	1	DNG		TSH	+19.01		TEH	07H	560UL	42	
1	11	2.21	184	1	DNG		06C	+4.84		07C	TEC	560UL	12	
1	12	2.51	82	6	MBM		03C	+21.66		07C	TEC	560UL	12	
		3.29	174	1	DNG		TSC	+17.93		07C	TEC	560UL	12	
1	15	2.15	86	6	MBM		06C	+37.69		07C	TEC	560UL	12	
1	23	8.22	80	6	MBM		06H	+34.41		TEH	07H	560UL	42	
		8.08	83	6	MBM		06H	+33.04		TEH	07H	560UL	42	
1	26	3.75	85	6	MBM		03H	+30.31		TEH	07H	560UL	42	
1	33	2.97	79	6	MBM		01C	+5.39		07C	TEC	560UL	14	
1	37	29.27	182	1	DNG		07H	+0.99		TEH	07H	560UL	42	
		2.67	84	6	MBM		05C	+3.06		07C	TEC	560UL	14	
		3.20	83	6	MBM		04C	+36.76		07C	TEC	560UL	14	
		2.35	88	6	MBM		04C	+34.53		07C	TEC	560UL	14	
1	43	3.37	70	6	MBM		TSC	+5.29		07C	TEC	560UL	14	
1	44	3.33	83	6	MBM		TSC	+32.36		07C	TEC	560UL	14	
1	47	6.96	182	P 1	DNT		07H	-0.28		TEH	07H	560UL	73	
1	50	2.26	87	6	MBM		04C	+32.05		07C	TEC	560UL	76	
	51	3.46	185	1	DNG		TSH	+16.35		TEH	07H	560UL	73	
	53	2.68	85	6	MBM		03H	+34.94		TEH	07H	560UL	73	
		2.89	79	6	MBM		04H	+23.56		TEH	07H	560UL	73	
1	58	5.61	82	6	MBM		02H	+26.51		TEH	07H	560UL	73	
1	63	3.18	74	6	MBM		02H	+28.11		TEH	07H	560UL	43	
1	68	3.28	89	6	MBM		06C	+27.68		07C	TEC	560UL	60	
		3.53	84	6	MBM		06C	+23.97		07C	TEC	560UL	60	
		4.68	83	6	MBM		06C	+18.66		07C	TEC	560UL	60	
		3.88	87	6	MBM		06C	+15.08		07C	TEC	560UL	60	
1	70	2.88	75	6	MBM		01C	+8.70	TO+21.6	07C	TEC	560UL	60	
1	78	6.44	179	P 1	DNT		05C	-0.58		07C	TEC	560UL	42	
		5.07	179	1	DNG		05C	-0.99		07C	TEC	560UL	42	
		2.06	177	1	DNG		TSC	+4.31		07C	TEC	560UL	42	
		3.71	84	6	MBM		05H	+19.15		TEH	07H	560UL	43	
		3.82	57	6	MBM		05H	+5.59		TEH	07H	560UL	43	
		3.78	183	P 1	DNT		05H	-0.28		TEH	07H	560UL	43	
		4.52	85	6	MBM		04H	+35.83		TEH	07H	560UL	43	
1	79	2.03	46	6	MBM		05C	+9.44		07C	TEC	560UL	42	
		2.07	42	6	MBM		01C	+31.58		07C	TEC	560UL	42	
1	80	2.93	74	6	MBM		03C	+9.00		07C	TEC	560UL	42	
		2.99	79	6	MBM		03C	+1.48		07C	TEC	560UL	42	
		2.26	182	1	DNG		04H	+7.36		TEH	07H	560UL	43	
1	82	3.83	43	6	MBM		04C	+8.36		07C	TEC	560UL	42	
		5.36	181	1	DNG		04C	+6.35		07C	TEC	560UL	42	
		2.93	184	1	DNG		02H	+5.42		TEH	07H	560UL	43	
1	86	3.87	74	6	MBM		02C	+22.58		06C	TEC	560UL	42	
		3.72	84	6	MBM		02C	+23.02		07C	TEC	560UL	75	
_	89	2.30	79	6	MBM		TSC	+8.61		07C	TEC	560UL	42	
		3.13	78	6	MBM		04H	+35.08		TEH	07H	560UL	43	
		2.38	86	6	MBM		04H	+25.68		TEH	07H	560UL	43	

10/99 RF10 - SGD
l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
1	90	4.42	172	P 1	DNT		FBC	-0.31	07C	TEC	560UL	42	
		2.92	89	6	MBM		04H	+30.07	TEH	07H	560UL	43	
1	91	4.65	168	P 1	DNT		FBC	-0.28	07C	TEC	560UL	42	
1	93	3.10	71	6	MBM		04C	+27.32	06C	TEC	560UL	44	
		3.24	76	6	MBM		04C	+27.52	07C	TEC	560UL	75	
		2.29	78	6	MBM		06H	+1.63	TEH	07H	560UL	43	
1	98	4.40	180	P 1	DNT		07C	+0.00	07C	TEC	560UL	44	
		3.47	180	P 1	DNT		07H	+0.07	TEH	07H	560UL	43	
		3.92	183	P 1	DNT		07H	-0.36	TEH	07H	560UL	43	
1	104	6.10	78	6	MBM		05C	+7.09	07C	TEC	560UL	44	
1	114	2.46	179	1	DNG		03C	+27.96	07C	TEC	560UL	45	
1	116	2.03	179	1	DNG		TSH	+19.00	TEH	07H	560UL	73	
1	118	19.07	180	1	DNG		TSC	+18.92	07C	TEC	560UL	46	
1	119	7.90	180	1	DNG		TSC	+18.94	07C	TEC	560UL	46	
		5.67	183	1	DNG		04H	+32.44	TEH	07H	560UL	73	
1	120	5.49	179	1	DNG		TSC	+18.92	07C	TEC	560UL	47	
1	122	14.36	182	1	DNG		TSC	+9.31	07C	TEC	560UL	47	
		16.67	182	1	DNG		TSC	+9.31	07H	TEC	540SF	78	
		2.58	175	1	DNG		TSH	+19.17	TEH	07H	560UL	73	
		4.89	179	1	DNG		TSH	+18.94	TEH	07H	560UL	73	
		2.97	176	1	DNG		TSH	+14.25	TEH	07H	560UL	73	
2	8	3.15	85	6	MBM		TSC	+3.73	07C	TEC	560UL	75	
2	16	3.84	73	6	MBM		06H	+9.22	TEH	07H	560UL	42	
2	26	2.88	83	6	MBM		03H	+28.94	TEH	07H	560UL	42	
2	28	8.60	183	1	DNG		06C	+39.01	07C	TEC	560UL	14	
2	33	2.55	81	6	MBM		05H	+8.60	TEH	07H	560UL	42	
		2.48	185	1	DNG		01C	+7.98	07C	TEC	560UL	13	
2	34	3.38	86	6	MBM		02H	+3.84	TEH	07H	560UL	42	
2	36	4.43	79	6	MBM		01H	+18.81	TEH	07H	560UL	42	
		2.93	82	6	MBM		05C	+35.85	07C	TEC	560UL	14	
2	54	2.09	88	6	MBM		03H	+19.98	TEH	07H	560UL	73	
2	69	2.09	82	6	MBM		01H	+33.88	TEH	07H	560UL	43	
2	70	2.52	89	6	MBM		06C	+16.61	07C	TEC	560UL	60	
		2.99	83	6	MBM		05C	+38.81	07C	TEC	560UL	60	
		2.19	79	6	MBM		06H	+14.46	TEH	07H	560UL	43	
2	79	3.27	81	6	MBM		02C	+12.75	07C	TEC	560UL	41	
		2.51	78	6	MBM		02H	+10.51	TEH	07H	560UL	43	
2	80	5.97	81	6	MBM		TSH	+5.85	TEH	07H	560UL	43	
2	82	3.02	79	6	MBM		05C	+27.69	07C	TEC	560UL	41	
		4.06	77	6	MBM		05H	+9.00	TEH	07H	560UL	43	
		2.87	81	6	MBM		TSH	+34.65	TEH	07H	560UL	43	
2	84	3.07	87	6	MBM		05C	+37.73	07C	TEC	560UL	42	
		3.91	82	6	MBM		05C	+24.43	07C	TEC	560UL	42	
2	86	2.30	179	1	DNG		01C	+16.02	07C	TEC	560UL	42	
2	87	3.25	45	6	MBM		06C	+22.07	07C	TEC	560UL	41	
	90	2.56	180	1	DNG		FBC	+15.26	07C	TEC	560UL	41	
	91	2.06	89	6	MBM		03C	+34.50	07C	TEC	560UL	41	
		2.53	77	6	MBM		03C	+32.52	07C	TEC	560UL	41	
		2.23	72	6	MBM		03C	+31.36	07C	TEC	560UL	41	
2	92	2.45	82	6	MBM		01H	+6.21	TEH	07H	560UL	43	

10/99 RF10 - SGD
l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION			EXT	EXT	PROBE	CAL#	COMMENT1
2	99	2.06	51	6	MBM		06C	+4.69		07C	TEC	560UL	43	
		4.45	185	1	DNG		04C	+3.98		07C	TEC	560UL	43	
2	101	4.63	183	1	DNG		06C	+31.99		07C	TEC	560UL	43	
		2.62	187	1	DNG		06C	+31.46		07C	TEC	560UL	43	
2	102	2.80	39	6	MBM		06C	+20.17		07C	TEC	560UL	43	
2	105	2.70	182	1	DNG		01C	+28.41		07C	TEC	560UL	43	
2	110	2.35	83	6	MBM		04H	+31.13		TEH	07H	560UL	43	
		2.20	83	6	MBM		02H	+30.58		TEH	07H	560UL	43	
		3.62	73	6	MBM		02H	+4.46		TEH	07H	560UL	43	
2	114	5.51	82	6	MBM		01H	+2.44		TEH	07H	560UL	73	
2	115	2.95	84	6	MBM		05C	+14.94		07C	TEC	560UL	46	
2	116	2.99	177	P 1	DNT		07C	-0.07		07C	TEC	560UL	45	
		4.81	174	P 1	DNT		07C	+0.55		07C	TEC	560UL	45	
3	6	2.46	170	P 1	DNT		07H	+0.26		TEH	07H	560UL	42	
		2.05	171	P 1	DNT		07H	+0.30		TEH	07C	540SF	45	
3	17	2.87	187	1	DNG		TSH	+9.85		TEH	07H	560UL	42	
		4.34	185	1	DNG		TSH	+8.79		TEH	07H	560UL	42	
		2.61	189	1	DNG		TSH	+10.50		TEH	07C	540SF	45	
		4.68	184	1	DNG		TSH	+9.27		TEH	07C	540SF	45	
	23	3.42	85	6	MBM		06C	+2.76		07C	TEC	560UL	12	
	30	5.68	80	6	MBM		02H	+20.62		TEH	07H	560UL	42	
		6.68	77	6	MBM		02H	+20.34		TEH	07C	540SF	45	
3	35	4.72	185	1	DNG		05H	+26.78		TEH	07H	560UL	42	
		5.13	185	1	DNG		05H	+26.06		TEH	07C	540SF	45	
3	47	4.25	60	6	MBM		02H	+3.01		TEH	07H	560UL	73	
3	54	2.30	78	6	MBM		03H	+9.13		TEH	07H	560UL	73	
3	57	3.60	86	6	MBM		03C	+27.25		07H	TEC	540SF	74	
		3.56	75	6	MBM		03C	+27.44		07C	TEC	560UL	77	
3	58	3.03	73	6	MBM		04C	+29.43		07H	TEC	540SF	74	
		2.49	82	6	MBM		TSC	+20.16		07H	TEC	540SF	74	
		2.90	78	6	MBM		TSC	+11.75		07H	TEC	540SF	74	
		2.75	72	6	MBM		04C	+29.25		07C	TEC	560UL	77	
		4.18	85	6	MBM		03H	+36.75		TEH	07H	560UL	73	
3	60	2.24	87	6	MBM		01C	+25.05		07H	TEC	540SF	74	
		1.97	89	6	MBM		01C	+24.91		07C	TEC	560UL	77	
		2.10	86	6	MBM		05H	+21.45		TEH	07H	560UL	73	
3	63	3.74	80	6	MBM		01H	+23.06	TO+36.5	TEH	07H	560UL	43	
		2.61	88	6	MBM		02H	+13.25		TEH	07H	560UL	43	
		2.95	83	6	MBM		02H	+13.11		TEH	07C	540SF	45	
		4.57	80	6	MBM		01H	+23.04	TO+36.6	TEH	07C	540SF	45	
3	71	8.45	80	6	MBM		05H	+2.25		TEH	07H	560UL	43	
		10.02	74	6	MBM		05H	+1.78		TEH	07C	540SF	45	
3	74	2.53	85	6	MBM		01C	+35.14		TEH	TEC	560UL	4	
		2.23	76	6	MBM		04C	+2.13		TEH	TEC	560UL	4	
3	76	3.10	86	6	MBM		06C	+23.27		07C	TEC	560UL	3	
		2.76	70	6	MBM		06H	+38.04		TEH	07H	560UL	43	
		2.74	82	6	MBM		06H	+38.31		TEH	07C	540SF	45	
3	78	4.87	87	6	MBM		06C	+33.44		07C	TEC	560UL	41	
		2.19	87	6	MBM		06H	+4.22	TO+37.4	TEH	07H	560UL	43	
		2.76	87	6	MBM		06H	+4.22	TO+37.4	TEH	07C	540SF	45	

10/99 RF10 - SGD
l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
3	80	2.54	182	P 1	DNT		06C	-0.19	07C	TEC	560UL	41	
3	83	3.29	181	1	DNG		01C	+9.18	07C	TEC	560UL	42	
		2.99	183	1	DNG		TSC	+23.39	07C	TEC	560UL	42	
3	85	3.48	82	6	MBM		03C	+7.75	07C	TEC	560UL	42	
		4.12	82	6	MBM		05H	+37.10	TEH	07H	560UL	43	
		5.22	88	6	MBM		05H	+37.51	TEH	07C	540SF	45	
3	86	2.95	189	1	DNG		01C	+9.01	07C	TEC	560UL	41	
		3.53	81	6	MBM		06H	+30.95	TEH	07H	560UL	43	
		3.17	82	6	MBM		06H	+28.73	TEH	07H	560UL	43	
		4.05	78	6	MBM		06H	+31.13	TEH	07C	540SF	45	
		2.90	76	6	MBM		06H	+29.43	TEH	07C	540SF	45	
3	87	3.07	86	6	MBM		03H	+1.88	TEH	07H	560UL	43	
		4.21	89	6	MBM		TSH	+28.92	TEH	07H	560UL	43	
		3.64	84	6	MBM		03H	+1.54	TEH	07C	540SF	45	
		4.86	88	6	MBM		TSH	+28.28	TEH	07C	540SF	45	
3	96	2.94	82	6	MBM		02H	+32.06	TEH	07C	540SF	46	
		2.65	83	6	MBM		02H	+32.16	TEH	07H	560UL	43	
3	97	2.32	68	6	MBM		05H	+2.01	TEH	07C	540SF	46	
		2.27	81	6	MBM		05H	+2.27	TEH	07H	560UL	43	
	98	2.09	185	1	DNG		03C	+28.42	07C	TEC	560UL	43	
	105	2.02	85	6	MBM		02C	+30.57	07C	TEC	560UL	44	
3	112	1.52	82	6	MBM		02C	+3.69	07C	TEC	560UL	45	
3	116	1.69	175	1	DNG		07C	+0.67	07H	TEC	540SF	74	
		2.21	176	1	DNG		07C	+0.68	07C	TEC	560UL	46	
3	120	5.90	86	6	MBM		02C	+4.73	07C	TEC	560UL	47	
		6.37	84	6	MBM		FBC	+4.77	07C	TEC	560UL	47	
		7.08	83	6	MBM		02C	+4.64	07H	TEC	540SF	74	
		7.88	80	6	MBM		FBC	+4.79	07H	TEC	540SF	74	
3	121	2.39	83	6	MBM		02H	+16.29	TEH	07H	560UL	73	
4	4	2.80	187	1	DNG		03C	+30.17	TEH	TEC	560UL	7	
4	5	2.34	73	6	MBM		03H	+25.38	TEH	TEC	560UL	7	
4	18	2.71	80	6	MBM		06H	+27.93	TEH	TEC	560UL	12	
4	31	2.06	81	6	MBM		02H	+16.97	TEH	TEC	560UL	13	
4	39	2.75	189	1	DNG		03H	+33.17	TEH	TEC	560UL	14	
		2.03	188	1	DNG		03H	+34.34	TEH	TEC	560UL	14	
4	42	5.33	85	6	MBM		05C	+33.68	TEH	TEC	560UL	14	
		2.73	81	6	MBM		05C	+15.07	TEH	TEC	560UL	14	
4	50	2.58	83	6	MBM		TSH	+3.15	TEH	TEC	560UL	76	
		2.73	89	6	MBM		06H	+26.75	TEH	TEC	560UL	76	
4	52	4.22	86	6	MBM		06H	+4.66	TEH	TEC	560UL	76	
4	54	6.16	88	6	MBM		05H	+19.45	TEH	TEC	560UL	76	
		2.97	89	6	MBM		05H	+23.96	TEH	TEC	560UL	76	
		2.50	89	6	MBM		05H	+26.97	TEH	TEC	560UL	76	
		3.09	86	6	MBM		03C	+16.03	TEH	TEC	560UL	76	
4	61	3.41	38	6	MBM		07H	+12.43	TEH	TEC	560UL	61	
	74	2.62	186	1	DNG		03H	+4.09	TEH	TEC	560UL	3	
	76	3.63	79	6	MBM		01H	+7.96	TEH	TEC	560UL	4	
		2.47	83	6	MBM		01H	+36.74	TEH	TEC	560UL	4	
		3.29	75	6	MBM		02H	+17.13	TEH	TEC	560UL	4	
4	82	2.50	80	6	MBM		05C	+12.33	TEH	TEC	560UL	53	

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1 Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
		2.26	79	6	MBM		05C	+24.50	TEH	TEC	560UL	53	
4	83	4.56	85	6	MBM		TSC	+31.32	TEH	TEC	560UL	53	
		3.09	81	6	MBM		04C	+7.83	TEH	TEC	560UL	53	
		4.23	74	6	MBM		04C	+12.10	TEH	TEC	560UL	53	
4	89	2.77	83	6	MBM		05C	+21.96	TEH	TEC	560UL	54	
4	92	2.94	186	1	DNG		06H	+4.21	TEH	TEC	560UL	54	
4	104	2.39	191	1	DNG		02H	+27.04	TEH	TEC	560UL	43	
		3.10	191	1	DNG		06H	+2.52	TEH	TEC	560UL	43	
		2.63	186	1	DNG		02C	+26.61	TEH	TEC	560UL	43	
4	108	5.04	78	6	MBM		TSH	+7.37	TEH	TEC	560UL	43	
4	112	3.28	82	6	MBM		TSC	+4.89	TEH	TEC	560UL	45	
4	113	2.33	69	6	MBM		06C	+32.69	TEH	TEC	560UL	46	
4	121	2.79	180	1	DNG		07H	+9.98	TEH	TEC	560UL	47	
5	2	2.05	79	6	MBM		04H	+16.80	TEH	TEC	560UL	7	
5	17	2.66	74	6	MBM		TSH	+14.82	TEH	TEC	560UL	12	
5	24	3.78	183	1	DNG		02H	+11.26	TEH	TEC	560UL	11	
		3.30	183	1	DNG		02H	+12.36	TEH	TEC	560UL	11	
5	27	3.14	65	6	MBM		06H	+7.36	TEH	TEC	560UL	12	
		4.93	41	6	MBM		02C	+7.80	TEH	TEC	560UL	12	
	47	2.14	89	6	MBM		04H	+34.30	TEH	TEC	560UL	76	
	49	2.04	89	6	MBM		01H	+6.94	TEH	TEC	560UL	76	
		2.31	89	6	MBM		01H	+10.63	TEH	TEC	560UL	76	
		2.49	83	6	MBM		06H	+9.35	TEH	TEC	560UL	76	
		3.70	87	6	MBM		02H	+24.74	TEH	TEC	560UL	76	
5	50	7.07	78	6	MBM		TSH	+16.43	TEH	TEC	560UL	76	
5	67	4.22	182	1	DNG		06C	+7.54	TEH	TEC	560UL	3	
5	72	2.01	81	6	MBM		TSH	+20.20	TEH	TEC	560UL	6	
		2.14	89	6	MBM		03H	+6.77	TEH	TEC	560UL	6	
		3.25	89	6	MBM		05H	+28.97	TEH	TEC	560UL	6	
5	74	2.98	182	1	DNG		04C	+39.22	TEH	TEC	560UL	4	
5	83	3.24	80	6	MBM		02C	+6.99	TEH	TEC	560UL	52	
		2.73	79	6	MBM		03C	+5.82	TEH	TEC	560UL	52	
		3.06	83	6	MBM		04C	+27.43	TEH	TEC	560UL	52	
		2.96	76	6	MBM		02H	+27.74	TEH	TEC	560UL	52	
5	87	2.93	89	6	MBM		05H	+32.30	TEH	TEC	560UL	54	
5	109	2.02	68	6	MBM		FBC	+5.68	TSH	TEC	560UL	45	
		2.53	84	6	MBM		FBC	+5.35	TEH	TEC	560UL	54	
5	110	4.09	185	1	DNG		03H	+6.06	TEH	TEC	560UL	45	
5	115	6.55	76	6	MBM		02C	+14.74	TEH	TEC	560UL	45	
5	116	2.64	187	1	DNG		02C	+16.03	TEH	TEC	560UL	46	
5	117	5.39	78	6	MBM		06C	+22.31	TEH	TEC	560UL	45	
5	118	3.64	79	6	MBM		01H	+4.67	TEH	TEC	560UL	46	
6	6	3.83	173	P 1	DNT		07C	+0.41	TEH	TEC	560UL	7	
6	12	2.13	82	6	MBM		03H	+19.22	TEH	TEC	560UL	12	
6	18	2.33	182	1	DNG		05H	+6.90	TEH	TEC	560UL	12	
	21	5.53	80	6	MBM		05H	+26.14	TEH	TEC	560UL	11	
	25	2.30	75	6	MBM		01H	+31.52	TEH	TEC	560UL	11	
6	31	2.42	186	1	DNG		03C	+7.10	TEH	TEC	560UL	13	
6	38	3.88	189	1	DNG		TSH	+21.05	TEH	TEC	560UL	14	
6	48	2.95	69	6	MBM		05C	+10.64	TEH	TEC	560UL	76	

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QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
6	54	3.39	74	6	MBM		02H	+33.97	TEH	TEC	560UL	76	
		2.61	79	6	MBM		06H	+10.49	TEH	TEC	560UL	76	
6	56	3.41	84	6	MBM		06H	+36.73	TEH	TEC	560UL	76	
6	62	2.02	87	6	MBM		02C	+31.24	TEH	TEC	560UL	60	
6	77	2.37	71	6	MBM		05C	+20.80	TEH	TEC	560UL	53	
		2.68	184	1	DNG		01H	+28.34	TEH	TEC	560UL	53	
6	79	4.43	76	6	MBM		03C	+31.57	TEH	TEC	560UL	53	
		3.01	72	6	MBM		03H	+25.40	TEH	TEC	560UL	53	
		3.02	77	6	MBM		02H	+17.88	TEH	TEC	560UL	53	
6	81	5.17	178	1	DNG		07C	+5.66	TEH	TEC	560UL	53	
		4.53	179	1	DNG		07C	+11.56	TEH	TEC	560UL	53	
		3.73	180	1	DNG		07C	+17.55	TEH	TEC	560UL	53	
6	84	2.86	75	6	MBM		05H	+36.12	TEH	TEC	560UL	53	
		2.20	88	6	MBM		TSH	+17.65	TEH	TEC	560UL	53	
6	90	3.05	61	6	MBM		FBH	+2.15	TEH	TEC	560UL	56	
6	96	9.65	176	1	DNG		07H	+21.56	TEH	TEC	560UL	44	
6	102	2.61	87	6	MBM		03C	+31.93	TEH	TEC	560UL	43	
6	108	5.30	89	6	MBM		05C	+22.78	TEH	TEC	560UL	43	
6	118	2.92	185	1	DNG		02C	+10.67	TEH	TEC	560UL	46	
	119	2.08	190	1	DNG		03H	+27.15	TEH	TEC	560UL	46	
	6	2.98	81	6	MBM		03C	+14.61	TEH	TEC	560UL	8	
7	8	2.41	77	6	MBM		04H	+24.21	TEH	TEC	560UL	8	
7	15	2.30	182	1	DNG		06C	+7.10	TEH	TEC	560UL	12	
		2.88	185	1	DNG		06H	+11.91	TEH	TEC	560UL	12	
7	27	2.44	75	6	MBM		04H	+7.69	TEH	TEC	560UL	12	
7	34	2.11	184	1	DNG		04C	+3.27	TEH	TEC	560UL	62	
		2.18	184	1	DNG		04C	+3.40	TSH	TEC	560UL	13	
7	35	3.23	88	6	MBM		01H	+35.52	TEH	TEC	560UL	14	
7	42	3.25	88	6	MBM		03H	+18.30	TEH	TEC	560UL	13	
7	45	2.36	186	1	DNG		02C	+15.86	TEH	TEC	560UL	13	
7	56	2.56	82	6	MBM		TSH	+34.15	TEH	TEC	560UL	76	
		2.16	87	6	MBM		01H	+35.98	TEH	TEC	560UL	76	
		2.59	86	6	MBM		03H	+15.53	TEH	TEC	560UL	76	
		3.19	81	6	MBM		03H	+29.14	TEH	TEC	560UL	76	
		2.12	73	6	MBM		06H	+29.83	TEH	TEC	560UL	76	
		2.83	84	6	MBM		06H	+32.23	TEH	TEC	560UL	76	
		7.79	184	1	DNG		06C	+34.58	TEH	TEC	560UL	76	
		2.62	77	6	MBM		05C	+18.67	TEH	TEC	560UL	76	
7	58	3.65	77	6	MBM		TSH	+7.87	TEH	TEC	560UL	77	
7	64	4.24	84	6	MBM		06H	+12.87	TEH	TEC	560UL	6	
7	66	4.70	53	6	MBM		07H	+15.83	TEH	TEC	560UL	2	
7	74	4.08	184	P 1	DNT		01C	+0.58	TEH	TEC	560UL	4	
		7.23	63	6	MBM		07H	+14.05	TEH	TEC	560UL	4	
		4.97	84	6	MBM		06C	+37.33	TEH	TEC	560UL	4	
7	75	2.03	187	1	DNG		06H	+7.55	TEH	TEC	560UL	3	
	76	3.07	85	6	MBM		06C	+30.56	TEH	TEC	560UL	3	
		2.92	90	6	MBM		06C	+35.17	TEH	TEC	560UL	3	
7	82	2.90	83	6	MBM		04C	+6.78	TEH	TEC	560UL	52	
		3.76	78	6	MBM		04C	+8.87	TEH	TEC	560UL	52	
7	86	3.68	179	1	DNG		07H	+0.90	TEH	TEC	560UL	56	

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l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
7	89	3.04	79	6	MBM		05C	+19.79	TEH	TEC	560UL	54	
7	96	4.94	179	1	DNG		07H	+29.05	TEH	TEC	560UL	43	
7	110	2.50	84	6	MBM		03H	+5.36	TEH	TEC	560UL	45	
7	118	3.24	179	1	DNG		06H	+28.00	TEH	TEC	560UL	46	
		2.34	176	1	DNG		06H	+26.89	TEH	TEC	560UL	46	
		2.36	88	6	MBM		03C	+30.43	TEH	TEC	560UL	46	
8	6	4.17	181	1	DNG		AV6	+12.02	TEH	TEC	560UL	7	
8	7	4.32	185	1	DNG		03C	+23.17	TEH	TEC	560UL	7	
8	13	7.90	183	1	DNG		06H	+39.50	TEH	TEC	560UL	11	
		2.84	183	1	DNG		05C	+1.03	TEH	TEC	560UL	11	
8	24	2.74	85	6	MBM		05H	+28.33	TEH	TEC	560UL	12	
8	32	9.41	57	6	MBM		07H	+4.19	TEH	TEC	560UL	14	
8	40	2.25	72	6	MBM		04C	+18.99	TEH	TEC	560UL	14	
8	42	2.03	79	6	MBM		02C	+37.35	TEH	TEC	560UL	14	
8	48	2.23	85	6	MBM		06H	+8.82	TEH	TEC	560UL	76	
		2.36	81	6	MBM		06H	+22.10	TEH	TEC	560UL	76	
		3.87	87	6	MBM		06H	+29.49	TEH	TEC	560UL	76	
8	54	4.68	85	6	MBM		06H	+14.78	TEH	TEC	560UL	76	
		4.67	82	6	MBM		06H	+27.78	TEH	TEC	560UL	76	
		4.02	85	6	MBM		06H	+32.19	TEH	TEC	560UL	76	
	63	2.13	85	6	MBM		03H	+5.41	TEH	TEC	560UL	60	
8	75	4.27	79	6	MBM		03H	+28.93	TEH	TEC	560UL	4	
		4.95	83	6	MBM		05C	+36.65	TEH	TEC	560UL	4	
		4.76	75	6	MBM		05C	+34.48	TEH	TEC	560UL	4	
8	76	2.31	186	1	DNG		03H	+37.81	TEH	TEC	560UL	4	
8	79	2.21	184	1	DNG		06C	+18.97	TEH	TEC	560UL	53	
		0.38	0	P 2	TWD	20	AV6	+0.06	TEH	TEC	560UL	53	
		0.48	109	P 2	TWD	22	AV5	-0.12	TEH	TEC	560UL	53	
		0.66	129	P 2	TWD	25	AV2	-0.17	TEH	TEC	560UL	53	
		0.59	0	P 2	TWD	24	AV1	-0.17	TEH	TEC	560UL	53	
8	81	3.24	83	6	MBM		04C	+19.32	TEH	TEC	560UL	53	
		2.93	83	6	MBM		05H	+36.27	TEH	TEC	560UL	53	
8	82	2.57	81	6	MBM		05C	+37.79	TEH	TEC	560UL	53	
		3.35	80	6	MBM		06C	+4.46	TEH	TEC	560UL	53	
		2.36	83	6	MBM		06C	+21.42	TEH	TEC	560UL	53	
		3.19	85	6	MBM		06C	+24.77	TEH	TEC	560UL	53	
8	89	4.42	179	1	DNG		05C	+20.02	TEH	TEC	560UL	56	
		5.65	179	1	DNG		05C	+32.53	TEH	TEC	560UL	56	
8	97	2.02	173	1	DNG		06C	+22.96	TEH	TEC	560UL	44	
8	99	5.75	69	6	MBM		01C	+35.01	TEH	TEC	560UL	43	
8	102	3.37	73	6	MBM		02C	+22.21	TEH	TEC	560UL	44	
8	103	2.31	80	6	MBM		01H	+30.30	TEH	TEC	560UL	43	
8	116	2.36	79	6	MBM		06C	+35.39	TEH	TEC	560UL	45	
9	13	7.19	187	1	DNG		07H	+2.97	TEH	TEC	560UL	12	
9	15	7.12	187	1	DNG		07H	+2.99	TEH	TEC	560UL	12	
	41	2.35	65	6	MBM		TSH	+28.43	TEH	TEC	560UL	13	
	42	2.14	82	6	MBM		TSC	+35.05	TEH	TEC	560UL	13	
9	47	2.09	74	6	MBM		04C	+35.45	TEH	TEC	560UL	76	
		2.82	84	6	MBM		04C	+31.00	TEH	TEC	560UL	76	
9	74	2.39	187	1	DNG		06C	+3.72	TEH	TEC	560UL	4	

10/99 RF10 - SGD
l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION			EXT	EXT	PROBE	CAL#	COMMENT1
9	75	3.45	74	6	MBM		01H	+29.23		TEH	TEC	560UL	3	
		5.28	52	6	MBM		01C	+1.67		TEH	TEC	560UL	3	
9	81	2.43	185	1	DNG		TSH	+5.60		TEH	TEC	560UL	52	
9	117	3.20	177	1	DNG		07H	+6.78		TEH	TEC	560UL	45	
		7.99	177	1	DNG		06C	+37.25		TEH	TEC	560UL	45	
		2.58	180	1	DNG		06C	+36.18		TEH	TEC	560UL	45	
9	118	4.26	183	1	DNG		07H	+11.75		TEH	TEC	560UL	46	
10	2	2.36	176	1	DNG		06C	+6.87		TEH	TEC	560UL	8	
10	10	2.63	82	6	MBM		TSH	+6.33		TEH	TEC	560UL	9	
10	13	2.48	73	6	MBM		01H	+4.91		TEH	TEC	560UL	11	
10	18	2.61	83	6	MBM		FBH	+6.40		TEH	TEC	560UL	12	
10	27	2.07	189	1	DNG		02H	+11.93		TEH	TEC	560UL	11	
10	36	2.41	182	1	DNG		06C	+11.79		TEH	TEC	560UL	14	
10	52	2.13	190	1	DNG		06C	+9.81		TEH	TEC	560UL	76	
10	56	4.59	88	6	MBM		01H	+2.20		TEH	TEC	560UL	76	
10	59	2.53	78	6	MBM		03H	+33.55		TEH	TEC	560UL	77	
10	60	4.66	81	6	MBM		06H	+19.68		TEH	TEC	560UL	77	
		5.38	186	1	DNG		TSC	+14.03		TEH	TEC	560UL	77	
10	62	6.22	183	1	DNG		07H	+3.55		TEH	TEC	560UL	1	
[illegible]	79	3.67	183	1	DNG		05H	+35.86		TEH	TEC	560UL	53	
	80	3.55	69	6	MBM		TSH	+30.63		TEH	TEC	560UL	53	
		2.20	75	6	MBM		TSH	+7.61		TEH	TEC	560UL	53	
10	81	4.97	85	6	MBM		TSC	+28.83		TEH	TEC	560UL	53	
		5.87	186	1	DNG		06C	+5.59		TEH	TEC	560UL	53	
10	85	6.02	75	6	MBM		03C	+29.55		TEH	TEC	560UL	56	
		3.54	71	6	MBM		03C	+34.21		TEH	TEC	560UL	56	
10	87	3.47	60	6	MBM		06C	+36.48		TEH	TEC	560UL	56	
		3.99	78	6	MBM		06C	+11.53		TEH	TEC	560UL	56	
10	95	2.15	163	P 1	DNT		07C	-0.67		TEH	TEC	560UL	43	
10	96	2.05	183	1	DNG		AV2	+5.24		TEH	TEC	560UL	44	
10	106	3.22	88	6	MBM		01H	+10.59		TEH	TEC	560UL	44	
10	119	2.55	82	6	MBM		FBC	+7.32		TEH	TEC	560UL	46	
11	4	2.06	183	1	DNG		06H	+21.36		TEH	TEC	560UL	8	
11	37	3.83	183	1	DNG		02H	+10.92		TEH	TEC	560UL	14	
11	45	3.43	78	6	MBM		02C	+18.81		TEH	TEC	560UL	13	
11	47	2.73	77	6	MBM		06C	+9.94		TEH	TEC	560UL	76	
		2.31	76	6	MBM		06C	+5.59		TEH	TEC	560UL	76	
11	52	5.53	86	6	MBM		03H	+7.57		TEH	TEC	560UL	76	
11	56	3.84	76	6	MBM		01H	+9.04		TEH	TEC	560UL	76	
11	69	0.15	94	P 1	SVI		TSH	+0.43		TSH	TSH	560PP	2	
11	75	2.30	186	1	DNG		03H	+25.69		TEH	TEC	560UL	3	
		2.97	81	6	MBM		03H	+24.78		TEH	TEC	560UL	3	
11	76	3.47	88	6	MBM		06C	+35.72		TEH	TEC	560UL	3	
11	86	2.14	172	P 1	DNT		AV1	+0.00		TEH	TEC	560UL	56	
		2.90	61	6	MBM		01C	+10.33		TEH	TEC	560UL	56	
	87	2.86	81	6	MBM		01C	+10.96		TEH	TEC	560UL	54	
[illegible]	88	2.53	76	6	MBM		06C	+4.87	TO+9.44	TEH	TEC	560UL	54	
11	90	2.73	187	1	DNG		03H	+37.81		TEH	TEC	560UL	54	
		2.40	67	6	MBM		TSH	+17.75		TEH	TEC	560UL	54	
11	96	2.22	182	1	DNG		05C	+2.05		TEH	TEC	560UL	43	

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l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
12	4	5.63	81	6	MBM		02H	+4.98	TEH	TEC	560UL	7	
		7.76	78	6	MBM		01H	+35.13	TEH	TEC	560UL	7	
		6.90	68	6	MBM		02H	-0.99	TEH	TEC	560UL	7	
		7.10	77	6	MBM		02H	+2.00	TEH	TEC	560UL	7	
		6.34	80	6	MBM		04C	+31.42	TEH	TEC	560UL	7	
12	5	3.28	81	6	MBM		02C	+20.80	TEH	TEC	560UL	7	
12	7	3.55	86	6	MBM		01H	+8.84	TEH	TEC	560UL	7	
		2.30	187	1	DNG		05C	+1.76	TEH	TEC	560UL	7	
		2.06	185	1	DNG		03C	+21.88	TEH	TEC	560UL	7	
12	10	4.25	83	6	MBM		06H	+21.25	TEH	TEC	560UL	9	
12	15	2.78	184	1	DNG		05H	+37.04	TEH	TEC	560UL	11	
12	24	2.83	77	6	MBM		05H	+27.45	TEH	TEC	560UL	12	
12	39	5.13	84	6	MBM		01C	+3.32	TEH	TEC	560UL	14	
12	42	6.62	86	6	MBM		02C	+32.20	TEH	TEC	560UL	14	
12	48	2.34	85	6	MBM		TSH	+24.47	TEH	TEC	560UL	76	
12	50	2.02	80	6	MBM		02C	+8.56	TEH	TEC	560UL	76	
12	59	2.20	84	6	MBM		06H	+4.80	TEH	TEC	560UL	77	
12	80	8.42	75	6	MBM		01C	+3.92	TEH	TEC	560UL	53	
		3.33	73	6	MBM		01C	+33.50	TEH	TEC	560UL	53	
		4.12	78	6	MBM		04C	+17.86	TEH	TEC	560UL	53	
	96	7.93	180	1	DNG		06C	+25.60	TEH	TEC	560UL	44	
		4.84	181	1	DNG		06C	+24.44	TEH	TEC	560UL	44	
		9.97	179	1	DNG		06C	+23.94	TEH	TEC	560UL	44	
		4.52	181	1	DNG		06C	+22.84	TEH	TEC	560UL	44	
12	99	3.29	175	1	DNG		07H	+13.24	TEH	TEC	560UL	43	
12	106	2.01	71	6	MBM		FBC	+7.80	TEH	TEC	560UL	44	
		2.86	77	6	MBM		06C	+7.59	TEH	TEC	560UL	44	
12	120	2.09	184	P 1	DNT		07C	-0.32	TEH	TEC	560UL	47	
		2.52	183	P 1	DNT		07C	+0.57	TEH	TEC	560UL	47	
12	121	3.73	184	1	DNG		05H	+13.81	TEH	TEC	560UL	47	
13	5	3.86	80	6	MBM		06C	+21.21	TEH	TEC	560UL	8	
13	7	6.24	83	6	MBM		05C	+37.96	TEH	TEC	560UL	8	
13	9	5.90	73	6	MBM		04C	+28.04	TEH	TEC	560UL	8	
13	10	5.17	183	1	DNG		AV6	+6.24	TEH	TEC	560UL	10	
		6.49	82	6	MBM		TSC	+13.66	TEH	TEC	560UL	10	
13	13	3.30	184	1	DNG		02C	+21.09	TEH	TEC	560UL	12	
13	14	8.79	83	6	MBM		06H	+15.90	TEH	TEC	560UL	11	
13	15	3.17	83	6	MBM		05H	+26.55	TEH	TEC	560UL	12	
13	18	2.90	186	1	DNG		05H	+2.77	TEH	TEC	560UL	11	
13	30	2.27	84	6	MBM		01H	+26.85	TEH	TEC	560UL	13	
13	34	3.26	185	1	DNG		01H	+1.80	TEH	TEC	560UL	13	
13	36	6.07	85	6	MBM		01H	+29.50	TEH	TEC	560UL	13	
		3.93	72	6	MBM		01H	+32.46	TEH	TEC	560UL	13	
13	46	7.41	85	6	MBM		05H	+8.07	TEH	TEC	560UL	76	
13	48	2.70	86	6	MBM		06H	+10.03	TEH	TEC	560UL	76	
	50	4.95	82	6	MBM		01H	+2.13	TEH	TEC	560UL	76	
[illegible]	51	5.66	83	6	MBM		01H	+7.82	TEH	TEC	560UL	76	
		2.35	86	6	MBM		01H	+9.86	TEH	TEC	560UL	76	
		3.62	70	6	MBM		01C	+4.51	TEH	TEC	560UL	76	
		2.21	75	6	MBM		TSC	+24.13	TEH	TEC	560UL	76	

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QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
13	60	2.20	70	6	MBM		04C	+26.63	TEH	TEC	560UL	77	
13	62	6.79	76	6	MBM		07H	+2.93	TEH	TEC	560UL	2	HR
13	72	3.08	183	1	DNG		06C	+16.94	TEH	TEC	560UL	6	
13	77	3.33	76	6	MBM		TSH	+23.27	TEH	TEC	560UL	52	
		3.70	184	1	DNG		05C	+4.98	TEH	TEC	560UL	52	
		3.16	184	1	DNG		06C	+4.10	TEH	TEC	560UL	52	
13	82	4.23	73	6	MBM		01C	+8.19	TEH	TEC	560UL	52	
13	92	3.01	69	6	MBM		02C	+18.26	TEH	TEC	560UL	54	
13	93	2.73	77	6	MBM		FBC	+17.23	TEH	TEC	560UL	44	
13	95	2.27	87	6	MBM		03H	+23.64	TEH	TEC	560UL	44	
13	101	3.11	192	1	DNG		TSC	+5.09	TEH	TEC	560UL	43	
13	118	2.32	191	1	DNG		01H	+29.41	TEH	TEC	560UL	46	
13	119	2.38	185	1	DNG		07C	+0.73	TEH	TEC	560UL	46	
		3.59	178	P 1	DNT		07C	-0.41	TEH	TEC	560UL	46	
13	120	2.96	182	P 1	DNT		07C	-0.36	TEH	TEC	560UL	47	
		2.78	183	P 1	DNT		07C	+0.55	TEH	TEC	560UL	47	
		3.97	79	6	MBM		02C	+34.89	TEH	TEC	560UL	47	
14	21	3.33	74	6	MBM		01H	+24.06	TEH	TEC	560UL	11	
14	28	3.36	188	1	DNG		07H	+3.13	TEH	TEC	560UL	14	
[illegible]	40	2.09	85	6	MBM		TSH	+26.62	TEH	TEC	560UL	14	
	49	2.17	70	6	MBM		01H	+10.70	TEH	TEC	560UL	76	
14	53	2.12	73	6	MBM		02H	+23.21	TEH	TEC	560UL	76	
		2.95	76	6	MBM		02H	+33.41	TEH	TEC	560UL	76	
14	54	6.32	77	6	MBM		06C	+5.28	TEH	TEC	560UL	76	
14	56	4.22	86	6	MBM		03H	+35.62	TEH	TEC	560UL	76	
14	61	0.17	75	3	MAI		TSH	+0.17	TSH	TSH	560PP	62	
14	70	2.23	77	6	MBM		02C	+24.69	TEH	TEC	560UL	4	
		3.19	186	1	DNG		AV6	+11.24	TEH	TEC	560UL	4	
14	76	3.99	83	6	MBM		05C	+0.02	TEH	TEC	560UL	4	
14	79	2.55	80	6	MBM		04C	+12.77	TEH	TEC	560UL	53	
14	83	2.15	82	6	MBM		01C	+8.88	TEH	TEC	560UL	53	
14	86	3.16	75	6	MBM		03H	+2.83	TEH	TEC	560UL	54	
		4.08	81	6	MBM		02H	+4.68	TEH	TEC	560UL	54	
14	103	2.64	188	1	DNG		05H	+5.98	TEH	TEC	560UL	43	
14	104	2.02	89	6	MBM		07H	+8.49	TEH	TEC	560UL	44	
		2.27	88	6	MBM		06C	+21.77	TEH	TEC	560UL	44	
14	113	3.92	184	1	DNG		05H	+6.69	TEH	TEC	560UL	46	
14	120	2.31	186	1	DNG		07H	+17.87	TEH	TEC	560UL	47	
		3.01	182	P 1	DNT		07C	-0.43	TEH	TEC	560UL	47	
		2.30	184	P 1	DNT		07C	+0.70	TEH	TEC	560UL	47	
15	24	6.32	89	6	MBM		05H	+19.17	TEH	TEC	560UL	11	
		3.95	86	6	MBM		TSH	+13.01	TEH	TEC	560UL	11	
15	33	2.31	82	6	MBM		06H	+2.53	TEH	TEC	560UL	14	
15	34	3.46	89	6	MBM		FBH	+14.87	TEH	TEC	560UL	13	
15	35	4.26	80	6	MBM		TSC	+1.69	TEH	TEC	560UL	14	
	39	2.58	76	6	MBM		04C	+12.35	TEH	TEC	560UL	13	
[illegible]	59	7.63	76	6	MBM		TSH	+21.78	TEH	TEC	560UL	77	
15	66	0.15	0	P 2	TWD	16	AV6	+0.00	TEH	TEC	560UL	1	
15	73	6.64	85	6	MBM		05H	+16.84	TEH	TEC	560UL	3	
15	76	2.64	92	6	MBM		01C	+10.66	TEH	TEC	560UL	3	

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l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
15	77	1.92	76	6	MBM		TSC	+6.32	TEH	TEC	560UL	52	
15	83	2.92	86	6	MBM		03H	+10.72 TO+18.9	TEH	TEC	560UL	52	
15	100	3.52	188	P 1	DNT		01H	+0.36	TEH	TEC	560UL	43	
		2.28	190	1	DNG		01H	+1.55	TEH	TEC	560UL	43	
15	101	2.28	58	6	MBM		05H	+22.20	TEH	TEC	560UL	44	
15	107	1.66	71	6	MBM		04H	+25.80	TEH	TEC	560UL	44	
15	110	2.58	82	6	MBM		01H	+20.18	TEH	TEC	560UL	45	
		4.89	80	6	MBM		06C	+9.97	TEH	TEC	560UL	45	
15	119	11.08	84	6	MBM		03C	+3.52	TEH	TEC	560UL	47	
		2.11	182	P 1	DNT		07C	-0.34	TEH	TEC	560UL	47	
15	120	4.28	181	P 1	DNT		07C	-0.45	TEH	TEC	560UL	47	
		4.81	183	P 1	DNT		07C	+0.59	TEH	TEC	560UL	47	
16	6	2.73	46	6	MBM		07H	+9.85	TEH	TEC	560UL	7	
16	9	3.07	186	1	DNG		04C	+18.60	TEH	TEC	560UL	7	
16	25	2.08	74	6	MBM		04C	+25.55	TEH	TEC	560UL	11	
		2.04	185	1	DNG		02H	+12.92	TEH	TEC	560UL	11	
16	27	4.21	78	6	MBM		02C	+35.33	TEH	TEC	560UL	11	
		9.06	82	6	MBM		02H	+11.01	TEH	TEC	560UL	11	
		6.38	83	6	MBM		06C	+28.33	TEH	TEC	560UL	11	
[illegible]	35	2.20	182	1	DNG		06C	+34.55	TEH	TEC	560UL	13	
		3.16	185	1	DNG		06C	+35.67	TEH	TEC	560UL	13	
		2.84	184	1	DNG		06H	+36.14	TEH	TEC	560UL	13	
16	36	2.26	185	1	DNG		06H	+36.27	TEH	TEC	560UL	14	
16	46	2.79	182	P 1	DNT		06H	+0.62	TEH	TEC	560UL	76	
16	57	0.31	0	P 2	TWD	20	AV6	+0.00	TEH	TEC	560UL	77	
16	72	2.03	183	1	DNG		TSH	+10.46	TEH	TEC	560UL	5	
16	87	2.12	186	1	DNG		06H	+38.80	TEH	TEC	560UL	56	
16	93	3.52	190	1	DNG		FBH	+7.09	TEH	TEC	560UL	43	
		3.22	189	1	DNG		FBH	+8.47	TEH	TEC	560UL	43	
16	100	3.03	179	1	DNG		06C	+9.18	TEH	TEC	560UL	44	
16	101	2.26	184	1	DNG		01H	+17.28	TEH	TEC	560UL	43	
		7.91	85	6	MBM		05H	+14.25	TEH	TEC	560UL	43	
16	104	3.43	84	6	MBM		03H	+38.09	TEH	TEC	560UL	44	
		5.54	179	1	DNG		TSC	+8.86	TEH	TEC	560UL	44	
16	105	1.88	86	6	MBM		06C	+12.73	TEH	TEC	560UL	43	
16	106	2.00	77	6	MBM		04C	+9.38	TEH	TEC	560UL	44	
16	113	2.00	69	6	MBM		01C	+3.86	TEH	TEC	560UL	46	
16	114	13.50	183	1	DNG		FBH	+1.68	TEH	TEC	560UL	46	
16	115	9.68	182	1	DNG		FBH	+1.62	TEH	TEC	560UL	46	
16	116	2.04	81	6	MBM		04H	+16.60	TEH	TEC	560UL	45	
16	119	3.43	182	P 1	DNT		07C	-0.41	TEH	TEC	560UL	47	
		3.25	184	1	DNG		TSC	+7.89	TEH	TEC	560UL	47	
16	120	4.62	181	P 1	DNT		07C	-0.43	TEH	TEC	560UL	47	
		4.16	184	P 1	DNT		07C	+0.59	TEH	TEC	560UL	47	
17	5	7.79	76	6	MBM		02H	+26.09	TEH	TEC	560UL	8	
		2.81	181	1	DNG		06H	+33.38	TEH	TEC	560UL	8	
		6.65	181	1	DNG		06H	+34.42	TEH	TEC	560UL	8	
		2.94	181	1	DNG		06C	+29.72	TEH	TEC	560UL	8	
17	13	3.74	77	6	MBM		03C	+31.62	TEH	TEC	560UL	11	
17	41	2.49	72	6	MBM		06C	+15.76	TEH	TEC	560UL	13	

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QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
17	44	3.68	86	6	MBM		04H	+35.45	TEH	TEC	560UL	18	
		2.99	83	6	MBM		04H	+36.93	TEH	TEC	560UL	18	
		5.47	74	6	MBM		04H	+27.95	TEH	TEC	560UL	13	
		7.70	76	6	MBM		04H	+33.96	TEH	TEC	560UL	13	
		4.10	88	6	MBM		04H	+35.48	TEH	TEC	560UL	13	
		3.38	83	6	MBM		04H	+36.81	TEH	TEC	560UL	13	
17	49	7.54	86	6	MBM		01H	+0.95	TEH	TEC	560UL	76	
		3.78	89	6	MBM		01H	+8.78	TEH	TEC	560UL	76	
17	57	6.66	82	6	MBM		03C	+15.24	TEH	TEC	560UL	77	
17	71	8.32	83	6	MBM		TSH	+6.07	TEH	TEC	560UL	5	
		6.72	79	6	MBM		01H	+8.16	TEH	TEC	560UL	5	
17	73	4.65	88	6	MBM		01H	+9.19	TEH	TEC	560UL	3	
17	83	2.68	180	1	DNG		AV6	+4.96	TEH	TEC	560UL	52	
		2.06	179	P 1	DNT		AV2	-0.55	TEH	TEC	560UL	52	
17	85	2.78	180	1	DNG		AV6	+3.32	TEH	TEC	560UL	54	
		2.29	183	1	DNG		AV2	+5.25	TEH	TEC	560UL	54	
17	87	2.23	179	1	DNG		AV6	+2.82	TEH	TEC	560UL	54	
17	89	2.24	181	1	DNG		AV6	+3.19	TEH	TEC	560UL	54	
17	104	2.07	185	1	DNG		01H	+35.48	TEH	TEC	560UL	43	
17	118	3.15	181	P 1	DNT		07C	-0.31	TEH	TEC	560UL	46	
	119	4.27	181	P 1	DNT		07C	-0.31	TEH	TEC	560UL	47	
		3.76	182	P 1	DNT		07C	+0.46	TEH	TEC	560UL	47	
18	4	2.66	180	P 1	DNT		07H	+0.50	TEH	TEC	560UL	7	
18	11	3.45	181	1	DNG		04C	+13.22	TEH	TEC	560UL	24	
18	18	2.62	88	6	MBM		04H	+10.94	TEH	TEC	560UL	21	
18	26	2.81	58	6	MBM		FBH	+9.38	TEH	TEC	560UL	21	
		2.74	67	6	MBM		05C	+16.20	TEH	TEC	560UL	21	
18	28	2.63	77	6	MBM		04C	+18.98	TEH	TEC	560UL	22	
18	41	3.84	69	6	MBM		TSC	+8.90	TEH	TEC	560UL	18	
18	51	2.28	88	6	MBM		02H	+38.70	TEH	TEC	560UL	16	
18	84	3.77	78	6	MBM		02H	+18.91	TEH	TEC	560UL	36	
18	88	2.27	184	1	DNG		02H	+33.42	TEH	TEC	560UL	36	
18	111	8.55	176	P 1	DNT		07H	-0.58	TEH	TEC	560UL	39	
		2.64	183	1	DNG		06H	+38.93	TEH	TEC	560UL	39	
18	118	2.35	180	1	DNG		AV6	+8.40	TEH	TEC	560UL	46	
18	119	5.06	181	P 1	DNT		07C	-0.32	TEH	TEC	560UL	47	
		3.57	183	P 1	DNT		07C	+0.47	TEH	TEC	560UL	47	
19	8	2.92	70	6	MBM		05C	+13.38	TEH	TEC	560UL	8	
19	17	6.02	88	6	MBM		03H	+7.86	TEH	TEC	560UL	21	
		3.95	86	6	MBM		01C	+7.01	TEH	TEC	560UL	21	
19	19	3.65	90	6	MBM		02H	+16.70	TEH	TEC	560UL	21	
		3.09	83	6	MBM		AV1	+7.36	TEH	TEC	560UL	21	
19	23	3.32	77	6	MBM		FBC	+7.13	TEH	TEC	560UL	21	
19	28	2.34	86	6	MBM		04C	+36.04	TEH	TEC	560UL	21	
		3.77	84	6	MBM		TSC	+7.31	TEH	TEC	560UL	21	
	30	2.42	84	6	MBM		05H	+17.84	TEH	TEC	560UL	20	
	35	3.59	88	6	MBM		03H	+28.04	TEH	TEC	560UL	17	
19	53	2.86	77	6	MBM		05C	+9.98	TEH	TEC	560UL	16	
19	54	2.75	65	6	MBM		TSH	+25.86	TEH	TEC	560UL	15	
19	56	2.02	83	6	MBM		01C	+7.59	TEH	TEC	560UL	15	

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l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
19	69	7.22	89	6	MBM		06H	+10.67	TEH	TEC	560UL	33	
		6.10	73	6	MBM		AV6	+3.83	TEH	TEC	560UL	33	
19	78	7.24	76	6	MBM		01C	+6.73	TEH	TEC	560UL	35	
19	83	2.07	183	1	DNG		AV5	+9.71	TEH	TEC	560UL	36	
19	89	3.91	78	6	MBM		01H	+14.44	TEH	TEC	560UL	36	
19	97	6.13	179	P 1	DNT		02H	-0.57	TEH	TEC	560UL	38	
19	104	3.01	83	6	MBM		02C	+21.99	TEH	TEC	560UL	37	
19	109	3.04	181	1	DNG		06H	+35.32	TEH	TEC	560UL	40	
19	113	4.34	81	6	MBM		04C	+7.93	TEH	TEC	560UL	45	
		2.91	89	6	MBM		TSC	+8.66	TEH	TEC	560UL	45	
19	118	3.46	181	P 1	DNT		07C	+0.56	TEH	TEC	560UL	46	
		2.83	179	P 1	DNT		07C	-0.35	TEH	TEC	560UL	46	
19	119	2.76	181	P 1	DNT		07C	-0.31	TEH	TEC	560UL	47	
20	5	3.41	183	1	DNG		01H	+18.96	TEH	TEC	560UL	7	
		2.07	186	1	DNG		04H	+3.47	TEH	TEC	560UL	7	
		8.81	184	1	DNG		04H	+4.57	TEH	TEC	560UL	7	
20	10	3.06	82	6	MBM		01H	+37.89	TEH	TEC	560UL	9	
20	11	3.05	86	6	MBM		01H	+8.85	TEH	TEC	560UL	24	
20	15	2.82	81	6	MBM		TSH	+8.93	TEH	TEC	560UL	22	
		2.90	90	6	MBM		FBH	+4.82	TEH	TEC	560UL	22	
	21	2.33	84	6	MBM		04C	+27.96	TEH	TEC	560UL	22	
20	25	2.60	67	6	MBM		01H	+7.21	TEH	TEC	560UL	22	
20	29	2.94	78	6	MBM		05C	+28.46	TEH	TEC	560UL	19	
20	32	2.73	62	6	MBM		FBC	+7.43	TEH	TEC	560UL	19	
20	44	9.61	78	6	MBM		05C	+17.80	TEH	TEC	560UL	17	
20	46	3.57	184	1	DNG		03H	+32.60	TEH	TEC	560UL	17	
		4.46	89	6	MBM		05H	+16.36	TEH	TEC	560UL	17	
		3.23	82	6	MBM		05C	+9.73	TEH	TEC	560UL	17	
20	53	3.09	81	6	MBM		05C	+17.94	TEH	TEC	560UL	16	
20	65	2.82	190	1	DNG		01H	+37.36	TEH	TEC	560UL	33	
20	69	2.70	79	6	MBM		03H	+14.30	TEH	TEC	560UL	34	
20	72	6.98	79	6	MBM		01H	+29.38	TEH	TEC	560UL	34	
20	75	6.41	80	6	MBM		06C	+29.75	TEH	TEC	560UL	34	
		2.46	89	6	MBM		01H	+24.74	TEH	TEC	560UL	34	
20	80	2.40	185	P 1	DNT		06H	-0.24	TEH	TEC	560UL	36	
		2.89	187	1	DNG		01H	+28.98	TEH	TEC	560UL	36	
		2.07	187	1	DNG		01H	+30.26	TEH	TEC	560UL	36	
		2.00	186	1	DNG		02H	+21.18	TEH	TEC	560UL	36	
20	90	2.13	88	6	MBM		02H	+14.79	TEH	TEC	560UL	36	
20	99	3.27	180	P 1	DNT		07C	+0.43	TEH	TEC	560UL	38	
20	109	4.05	179	P 1	DNT		07H	+0.45	TEH	TEC	560UL	39	
		2.76	180	P 1	DNT		07H	-0.56	TEH	TEC	560UL	39	
		3.55	187	1	DNG		06H	+30.95	TEH	TEC	560UL	39	
		12.11	181	1	DNG		06H	+32.02	TEH	TEC	560UL	39	
		3.94	184	1	DNG		07C	-0.72	TEH	TEC	560UL	39	
		3.21	183	1	DNG		06C	+38.79	TEH	TEC	560UL	39	
		3.89	184	1	DNG		06C	+37.20	TEH	TEC	560UL	39	
20	118	3.45	182	P 1	DNT		07C	+0.45	TEH	TEC	560UL	46	
		3.25	180	P 1	DNT		07C	-0.27	TEH	TEC	560UL	46	
21	6	3.79	179	1	DNG		01C	+19.56	TEH	TEC	560UL	8	

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l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
21	13	2.41	176	P 1	DNT		07H	+0.53	TEH	TEC	560UL	23	
21	27	2.47	80	6	MBM		04C	+6.94	TEH	TEC	560UL	21	
		2.05	84	6	MBM		01C	+3.82	TEH	TEC	560UL	21	
21	33	6.71	70	6	MBM		AV5	+8.22	TEH	TEC	560UL	19	
21	48	3.50	89	6	MBM		06H	+14.20	TEH	TEC	560UL	18	
21	52	3.16	184	1	DNG		05C	+25.78	TEH	TEC	560UL	16	
21	53	2.33	186	1	DNG		01C	+13.25	TEH	TEC	560UL	15	
21	59	3.94	77	6	MBM		04C	+31.52 TO+39.5	TEH	TEC	560UL	15	
		7.04	74	6	MBM		01C	+23.30	TEH	TEC	560UL	15	
		3.01	79	6	MBM		01C	+18.99	TEH	TEC	560UL	15	
		4.58	81	6	MBM		TSC	+16.58	TEH	TEC	560UL	15	
		6.95	74	6	MBM		01C	+23.20	TEH	TEC	560UL	15	
21	63	7.25	86	6	MBM		02H	+35.14	TEH	TEC	560UL	33	
		2.75	85	6	MBM		03H	+7.92	TEH	TEC	560UL	33	
		4.83	84	6	MBM		01C	+1.09	TEH	TEC	560UL	33	
		3.97	84	6	MBM		TSC	+4.19	TEH	TEC	560UL	33	
21	64	3.77	77	6	MBM		05C	+37.80	TEH	TEC	560UL	34	
21	66	5.55	183	1	DNG		02H	+8.85	TEH	TEC	560UL	34	
		3.51	184	1	DNG		05H	+19.63	TEH	TEC	560UL	34	
[illegible]	89	2.95	185	1	DNG		03H	+0.87	TEH	TEC	560UL	36	
	109	2.71	180	1	DNG		06H	+34.20	TEH	TEC	560UL	40	
		4.40	180	1	DNG		06H	+35.28	TEH	TEC	560UL	40	
		2.22	183	1	DNG		AV6	+0.72	TEH	TEC	560UL	40	
21	117	2.06	179	P 1	DNT		05C	-0.42	TEH	TEC	560UL	45	
21	118	3.02	180	P 1	DNT		07C	+0.43	TEH	TEC	560UL	46	
		3.81	179	P 1	DNT		07C	-0.29	TEH	TEC	560UL	46	
22	5	0.12	0	P 2	TWD	14	AV1	+0.00	TEH	TEC	560UL	7	
22	7	5.19	185	1	DNG		AV6	+17.49	TEH	TEC	560UL	7	
		2.42	188	1	DNG		03H	+28.83	TEH	TEC	560UL	7	
22	12	2.82	187	1	DNG		03C	+28.69	TEH	TEC	560UL	23	
22	17	1.76	78	6	MBM		03C	+14.31	TEH	TEC	560UL	22	
22	18	2.43	70	6	MBM		03H	+14.19	TEH	TEC	560UL	21	
22	30	2.08	85	6	MBM		06C	+15.21	TEH	TEC	560UL	19	
22	51	3.80	185	1	DNG		01H	+1.81	TEH	TEC	560UL	16	
		14.79	181	1	DNG		04H	+0.97	TEH	TEC	560UL	16	
22	64	3.38	83	6	MBM		03H	+4.96	TEH	TEC	560UL	33	
22	66	3.94	89	6	MBM		02H	+19.95	TEH	TEC	560UL	33	
		2.63	84	6	MBM		04H	+22.92	TEH	TEC	560UL	33	
		2.91	182	1	DNG		06H	+39.50	TEH	TEC	560UL	33	
		5.58	183	P 1	DNT		07H	+0.11	TEH	TEC	560UL	33	
		11.88	184	1	DNG		06C	+35.48	TEH	TEC	560UL	33	
		3.96	185	1	DNG		06C	+34.33	TEH	TEC	560UL	33	
22	71	2.59	183	1	DNG		04C	+27.08	TEH	TEC	560UL	34	
22	77	2.02	181	P 1	DNT		07C	-0.54	TEH	TEC	560UL	35	
22	84	2.90	81	6	MBM		05H	+14.19	TEH	TEC	560UL	36	
	87	2.03	78	6	MBM		06C	+4.18	TEH	TEC	560UL	35	
[illegible]	109	4.83	172	P 1	DNT		07H	+0.26	TEH	TEC	560UL	39	
		2.03	177	1	DNG		07H	-1.05	TEH	TEC	560UL	39	
		12.94	181	1	DNG		06H	+37.77	TEH	TEC	560UL	39	
		10.80	181	1	DNG		06H	+36.40	TEH	TEC	560UL	39	

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QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION			EXT	EXT	PROBE	CAL#	COMMENT1
		2.24	184	1	DNG		06H	+34.22		TEH	TEC	560UL	39	
		3.86	185	1	DNG		06C	+35.11		TEH	TEC	560UL	39	
		6.19	182	1	DNG		06C	+34.06		TEH	TEC	560UL	39	
22	116	2.11	181	P 1	DNT		07C	-0.37		TEH	TEC	560UL	45	
		3.08	178	P 1	DNT		07C	+0.58		TEH	TEC	560UL	45	
22	117	2.38	186	1	DNG		01H	+27.80		TEH	TEC	560UL	46	
		2.60	181	P 1	DNT		07C	+0.47		TEH	TEC	560UL	46	
		3.39	179	P 1	DNT		07C	-0.31		TEH	TEC	560UL	46	
22	118	3.59	181	P 1	DNT		07C	+0.47		TEH	TEC	560UL	46	
		4.11	181	P 1	DNT		07C	-0.29		TEH	TEC	560UL	46	
23	33	3.08	185	1	DNG		06H	+4.87		TEH	TEC	560UL	19	
23	48	3.65	84	6	MBM		03C	+37.75		TEH	TEC	560UL	18	
23	50	3.16	184	1	DNG		02H	+35.48		TEH	TEC	560UL	17	
23	52	3.87	179	P 1	DNT		07H	-0.35		TEH	TEC	560UL	16	
		2.51	184	1	DNG		06H	+5.46		TEH	TEC	560UL	16	
23	54	4.18	181	1	DNG		06H	+36.03		TEH	TEC	560UL	15	
		6.51	184	1	DNG		06H	+37.00		TEH	TEC	560UL	15	
		2.34	179	1	DNG		06H	+38.04		TEH	TEC	560UL	15	
		2.49	182	1	DNG		06H	+38.49		TEH	TEC	560UL	15	
		3.93	182	1	DNG		06H	+39.06		TEH	TEC	560UL	15	
		4.43	181	1	DNG		06H	+39.28		TEH	TEC	560UL	15	
		4.01	184	1	DNG		06C	+39.11		TEH	TEC	560UL	15	
		2.49	185	1	DNG		06C	+37.99		TEH	TEC	560UL	15	
		2.29	183	1	DNG		06C	+36.71		TEH	TEC	560UL	15	
23	55	3.46	84	6	MBM		02C	+25.86		TEH	TEC	560UL	15	
23	58	10.91	78	6	MBM		02C	+34.06		TEH	TEC	560UL	16	
23	60	3.90	188	1	DNG		05C	+37.96		TEH	TEC	560UL	16	
23	90	3.47	183	1	DNG		07C	-1.00		TEH	TEC	560UL	35	
23	92	2.39	186	1	DNG		04H	+35.43		TEH	TEC	560UL	35	
23	95	2.57	82	6	MBM		05C	+16.35		TEH	TEC	560UL	38	
23	100	2.58	83	6	MBM		05H	+23.22		TEH	TEC	560UL	37	
23	107	2.67	87	6	MBM		01C	+10.57		TEH	TEC	560UL	39	
23	116	2.56	180	P 1	DNT		07C	+0.47		TEH	TEC	560UL	46	
		2.95	179	P 1	DNT		07C	-0.29		TEH	TEC	560UL	46	
23	117	2.50	178	P 1	DNT		05C	-0.42		TEH	TEC	560UL	45	
		2.21	177	P 1	DNT		07C	-0.42		TEH	TEC	560UL	45	
		2.36	181	P 1	DNT		07C	+0.58		TEH	TEC	560UL	45	
24	7	0.11	0	P 2	TWD	14	AV1	+0.00		TEH	TEC	560UL	7	
24	23	3.77	187	1	DNG		TSH	+13.34		TEH	TEC	560UL	22	
24	31	2.41	77	6	MBM		02H	+4.31	TO+17.8	TEH	TEC	560UL	20	
24	32	2.10	82	6	MBM		03C	+13.67		TEH	TEC	560UL	19	
24	33	3.42	72	6	MBM		FBC	+3.49		TEH	TEC	560UL	20	
24	35	5.62	88	6	MBM		04H	+16.14		TEH	TEC	560UL	18	
		5.56	87	6	MBM		03H	+30.15		TEH	TEC	560UL	18	
24	37	2.84	186	1	DNG		01H	+23.36		TEH	TEC	560UL	18	
	48	5.23	87	6	MBM		04H	+24.56		TEH	TEC	560UL	17	
		2.85	189	1	DNG		01C	+20.38		TEH	TEC	560UL	17	
24	51	2.91	82	6	MBM		03C	+19.56		TEH	TEC	560UL	16	
		2.42	184	1	DNG		02C	+15.56		TEH	TEC	560UL	16	
24	52	5.08	88	6	MBM		02H	+20.43		TEH	TEC	560UL	15	

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QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
		4.96	86	6	MBM		05H	+18.06	TEH	TEC	560UL	15	
24	54	2.43	180	P 1	DNT		07H	+0.43	TEH	TEC	560UL	16	
24	60	1.89	65	6	MBM		01C	+37.55	TEH	TEC	560UL	15	
24	68	2.35	76	6	MBM		06C	+13.70	TEH	TEC	560UL	33	
24	70	3.20	185	1	DNG		TSC	+35.23	TEH	TEC	560UL	34	
24	72	2.16	184	1	DNG		06C	+12.87	TEH	TEC	560UL	34	
		2.87	70	6	MBM		06C	+30.00	TEH	TEC	560UL	34	
24	95	2.20	183	1	DNG		TSH	+13.29	TEH	TEC	560UL	37	
24	96	5.64	80	6	MBM		04C	+37.17	TEH	TEC	560UL	38	
24	109	9.95	180	1	DNG		06H	+35.83	TEH	TEC	560UL	39	
24	112	2.02	180	P 1	DNT		07C	+0.53	TEH	TEC	560UL	40	
24	113	2.57	179	P 1	DNT		07C	+0.49	TEH	TEC	560UL	46	
24	114	2.06	179	P 1	DNT		07C	+0.45	TEH	TEC	560UL	46	
24	115	2.35	183	P 1	DNT		07C	+0.47	TEH	TEC	560UL	46	
		2.50	180	P 1	DNT		07C	-0.31	TEH	TEC	560UL	46	
24	117	2.84	180	P 1	DNT		07C	+0.48	TEH	TEC	560UL	46	
		5.53	180	P 1	DNT		07C	-0.26	TEH	TEC	560UL	46	
		2.77	183	1	DNG		05C	+0.63	TEH	TEC	560UL	46	
		2.74	180	P 1	DNT		05C	-0.36	TEH	TEC	560UL	46	
[illegible]	7	0.14	0	P 2	TWD	16	AV6	+0.00	TEH	TEC	560UL	8	
	10	2.24	183	1	DNG		06H	+19.72	TEH	TEC	560UL	10	
25	14	7.07	85	6	MBM		02H	+37.96	TEH	TEC	560UL	24	
25	25	4.92	83	6	MBM		FBC	+5.69	TEH	TEC	560UL	21	
25	31	8.04	77	6	MBM		04H	+18.99	TEH	TEC	560UL	19	
25	33	8.89	87	6	MBM		04H	+8.74	TEH	TEC	560UL	19	
		4.50	87	6	MBM		01C	+26.23	TEH	TEC	560UL	19	
25	36	2.63	85	6	MBM		AV2	+6.81	TEH	TEC	560UL	18	
25	38	4.20	185	1	DNG		04H	+23.86	TEH	TEC	560UL	18	
25	49	3.59	182	1	DNG		03C	+5.00	TEH	TEC	560UL	17	
		2.30	66	6	MBM		FBC	+1.65	TEH	TEC	560UL	17	
		2.34	85	6	MBM		01C	+8.59	TEH	TEC	560UL	17	
25	67	6.13	185	1	DNG		03H	+5.17	TEH	TEC	560UL	33	
25	71	4.20	185	P 1	DNT		06C	-0.40	TEH	TEC	560UL	33	
25	72	2.79	86	6	MBM		03H	+33.26	TEH	TEC	560UL	33	
		3.15	83	6	MBM		04H	+10.99	TEH	TEC	560UL	33	
25	82	0.11	0	P 2	TWD	15	AV5	-0.19	TEH	TEC	560UL	35	
25	89	2.18	78	6	MBM		FBH	+9.30	TEH	TEC	560UL	36	
25	102	3.46	79	6	MBM		04C	+2.20	TEH	TEC	560UL	37	
25	106	4.16	89	6	MBM		02H	+13.85	TEH	TEC	560UL	39	
25	109	2.91	182	1	DNG		06H	+37.24	TEH	TEC	560UL	40	
		9.80	180	1	DNG		06H	+38.38	TEH	TEC	560UL	40	
		2.25	183	1	DNG		06C	+37.57	TEH	TEC	560UL	40	
25	112	2.65	179	P 1	DNT		07C	+0.54	TEH	TEC	560UL	39	
25	113	2.12	179	P 1	DNT		07C	-0.49	TEH	TEC	560UL	45	
25	114	3.21	178	P 1	DNT		07C	-0.48	TEH	TEC	560UL	45	
		3.80	180	P 1	DNT		07C	+0.58	TEH	TEC	560UL	45	
[illegible]	115	4.67	178	P 1	DNT		07C	-0.42	TEH	TEC	560UL	45	
25	116	2.90	177	P 1	DNT		05C	+0.60	TEH	TEC	560UL	45	
		4.28	180	P 1	DNT		07C	-0.46	TEH	TEC	560UL	45	
		5.40	179	P 1	DNT		07C	+0.60	TEH	TEC	560UL	45	

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QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
26	7	0.18	0	P 2	TWD	15	AV1	+0.00	TEH	TEC	560UL	7	
26	8	2.03	88	6	MBM		01H	+29.28	TEH	TEC	560UL	7	
		4.50	86	6	MBM		03H	+5.73	TEH	TEC	560UL	7	
		3.68	82	6	MBM		04H	+17.84	TEH	TEC	560UL	7	
		3.33	88	6	MBM		04H	+15.88	TEH	TEC	560UL	7	
		2.71	85	6	MBM		04H	+13.51	TEH	TEC	560UL	7	
		3.13	86	6	MBM		04H	+22.72	TEH	TEC	560UL	7	
		0.24	0	P 2	TWD	19	AV1	+0.00	TEH	TEC	560UL	7	
		4.03	86	6	MBM		06C	+3.81	TEH	TEC	560UL	7	
26	10	4.58	81	6	MBM		04H	+31.81	TEH	TEC	560UL	9	
26	11	3.03	62	6	MBM		07H	+0.99	TEH	TEC	560UL	24	
26	20	3.61	75	6	MBM		06H	+6.82	TEH	TEC	560UL	21	
26	22	5.08	185	1	DNG		FBC	+11.34	TEH	TEC	560UL	21	
26	50	2.88	185	1	DNG		TSH	+5.35	TEH	TEC	560UL	18	
26	68	0.12	0	P 2	TWD	16	AV5	+0.00	TEH	TEC	560UL	33	
		0.19	0	P 2	TWD	17	AV2	+0.00	TEH	TEC	560UL	33	
26	69	3.00	75	6	MBM		FBH	+6.78	TEH	TEC	560UL	34	
26	77	2.07	75	6	MBM		TSH	+4.14	TEH	TEC	560UL	35	
26	82	2.67	184	1	DNG		02C	+33.21	TEH	TEC	560UL	36	
[illegible]	86	4.40	183	1	DNG		AV2	+17.98	TEH	TEC	560UL	36	
		3.90	183	1	DNG		AV5	+2.10	TEH	TEC	560UL	36	
26	93	6.31	87	6	MBM		01C	+36.02	TEH	TEC	560UL	37	
26	103	2.18	88	6	MBM		TSC	+9.03	TEH	TEC	560UL	37	
26	109	2.12	76	6	MBM		04H	+38.02	TEH	TEC	560UL	39	
		7.34	178	1	DNG		06H	+37.00	TEH	TEC	560UL	39	
26	110	2.46	181	P 1	DNT		07C	+0.49	TEH	TEC	560UL	40	
		2.19	180	1	DNG		07H	-0.89	TEH	TEC	560UL	40	
26	112	0.10	0	P 2	TWD	16	AV2	+0.00	TEH	TEC	560UL	40	
26	113	3.01	180	P 1	DNT		07C	+0.45	TEH	TEC	560UL	46	
		4.24	181	P 1	DNT		07C	-0.31	TEH	TEC	560UL	46	
26	114	4.07	181	P 1	DNT		07C	+0.47	TEH	TEC	560UL	46	
		3.97	182	P 1	DNT		07C	-0.33	TEH	TEC	560UL	46	
26	115	3.13	180	P 1	DNT		07C	-0.29	TEH	TEC	560UL	46	
26	116	0.43	0	P 2	TWD	22	AV1	+0.00	TEH	TEC	560UL	46	
		4.79	181	P 1	DNT		07C	-0.28	TEH	TEC	560UL	46	
		4.60	183	P 1	DNT		07C	+0.47	TEH	TEC	560UL	46	
		2.28	181	P 1	DNT		05C	-0.33	TEH	TEC	560UL	46	
		2.31	183	P 1	DNT		04C	+0.69	TEH	TEC	560UL	46	
27	8	0.48	0	P 2	TWD	22	AV1	-0.18	TEH	TEC	560UL	8	
		0.47	0	P 2	TWD	22	AV1	+0.27	TEH	TEC	560UL	8	
		0.24	0	P 2	TWD	18	AV6	+0.00	TEH	TEC	560UL	8	
27	11	2.75	83	6	MBM		03H	+13.44	TEH	TEC	560UL	23	
27	15	2.29	186	1	DNG		03C	+0.87	TEH	TEC	560UL	21	
		2.13	185	1	DNG		03C	+6.93	TEH	TEC	560UL	21	
27	41	5.21	78	6	MBM		03H	+18.85	TEH	TEC	560UL	17	
		3.14	65	6	MBM		02C	+17.56	TEH	TEC	560UL	17	
[illegible]	60	0.13	0	P 2	TWD	15	AV2	+0.00	TEH	TEC	560UL	16	
		0.13	0	P 2	TWD	15	AV3	+0.00	TEH	TEC	560UL	16	
		0.13	0	P 2	TWD	15	AV5	+0.00	TEH	TEC	560UL	16	
		0.14	0	P 2	TWD	15	AV6	+0.00	TEH	TEC	560UL	16	

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l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION			EXT	EXT	PROBE	CAL#	COMMENT1
27	78	3.26	178	P 1	DNT		07H	-0.64		TEH	TEC	560UL	35	
		2.51	185	P 1	DNT		07H	+0.47		TEH	TEC	560UL	35	
27	79	0.16	0	P 2	TWD	16	AV5	-0.07		TEH	TEC	560UL	36	
		0.07	0	P 2	TWD	14	AV2	+0.15		TEH	TEC	560UL	36	
27	84	0.20	0	P 2	TWD	18	AV5	-0.25		TEH	TEC	560UL	35	
27	97	2.03	181	1	DNG		06C	+32.43		TEH	TEC	560UL	38	
27	110	4.32	179	1	DNG		06H	+38.63		TEH	TEC	560UL	39	
		2.21	187	1	DNG		07H	-0.90		TEH	TEC	560UL	39	
		2.15	188	1	DNG		07C	+0.71		TEH	TEC	560UL	39	
27	112	2.91	178	P 1	DNT		07C	-0.34		TEH	TEC	560UL	39	
		2.90	181	P 1	DNT		07C	+0.48		TEH	TEC	560UL	39	
27	113	4.77	178	P 1	DNT		07C	-0.44		TEH	TEC	560UL	45	
		2.99	182	P 1	DNT		07C	+0.60		TEH	TEC	560UL	45	
27	114	4.45	178	P 1	DNT		07C	-0.42		TEH	TEC	560UL	45	
		5.33	181	P 1	DNT		07C	+0.60		TEH	TEC	560UL	45	
		0.12	0	P 2	TWD	12	AV5	-0.02		TEH	TEC	560UL	45	
27	115	4.98	178	P 1	DNT		07C	-0.46		TEH	TEC	560UL	45	
		3.35	180	P 1	DNT		07C	+0.60		TEH	TEC	560UL	45	
		0.30	0	P 2	TWD	16	AV6	-0.20		TEH	TEC	560UL	45	
[illegible]	8	0.31	0	P 2	TWD	18	AV1	+0.00		TEH	TEC	560UL	7	
		0.57	0	P 2	TWD	23	AV6	+0.00		TEH	TEC	560UL	7	
28	17	3.12	182	1	DNG		06H	+23.86		TEH	TEC	560UL	22	
28	22	2.31	67	6	MBM		05C	+19.68		TEH	TEC	560UL	21	
28	36	2.16	86	6	MBM		03C	+24.73		TEH	TEC	560UL	17	
28	37	4.07	89	6	MBM		05H	+3.23		TEH	TEC	560UL	18	
28	38	4.77	68	6	MBM		06C	+16.14		TEH	TEC	560UL	17	
28	43	2.68	75	6	MBM		04C	+35.55		TEH	TEC	560UL	18	
28	44	8.56	80	6	MBM		06C	+34.91		TEH	TEC	560UL	17	
		7.68	89	6	MBM		04H	+19.31		TEH	TEC	560UL	17	
		4.48	87	6	MBM		05H	+27.78	TO+38.9	TEH	TEC	560UL	17	
		4.00	71	6	MBM		07H	+7.00	TO+25.1	TEH	TEC	560UL	17	
28	51	2.90	181	1	DNG		04H	+1.20		TEH	TEC	560UL	16	
28	52	2.56	179	1	DNG		01H	+31.19		TEH	TEC	560UL	15	
28	57	11.56	86	6	MBM		06H	+19.74		TEH	TEC	560UL	15	
28	68	2.87	189	1	DNG		01H	+7.35		TEH	TEC	560UL	33	
28	70	5.68	74	6	MBM		FBC	+1.45		TEH	TEC	560UL	34	
28	75	3.36	184	1	DNG		06C	+9.21		TEH	TEC	560UL	34	
28	84	2.24	79	6	MBM		03H	+33.91		TEH	TEC	560UL	36	
28	96	2.69	68	6	MBM		05H	+6.05		TEH	TEC	560UL	38	
28	103	2.07	85	6	MBM		02H	+2.30		TEH	TEC	560UL	37	
		2.46	82	6	MBM		04C	+2.84		TEH	TEC	560UL	37	
28	111	2.56	178	P 1	DNT		07C	-0.47		TEH	TEC	560UL	39	
28	112	6.44	180	P 1	DNT		07C	+0.53		TEH	TEC	560UL	40	
		3.88	180	P 1	DNT		07C	-0.44		TEH	TEC	560UL	40	
28	113	6.29	180	P 1	DNT		07C	+0.47		TEH	TEC	560UL	46	
		7.29	180	P 1	DNT		07C	-0.33		TEH	TEC	560UL	46	
[illegible]	114	6.52	181	P 1	DNT		07C	+0.45		TEH	TEC	560UL	46	
		8.05	181	P 1	DNT		07C	-0.30		TEH	TEC	560UL	46	
28	115	2.94	181	P 1	DNT		07C	+0.54		TEH	TEC	560UL	46	
		6.62	179	P 1	DNT		07C	-0.35		TEH	TEC	560UL	46	

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QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION			EXT	EXT	PROBE	CAL#	COMMENT1
		2.09	180	P 1	DNT		05C	+0.66		TEH	TEC	560UL	46	
		2.89	180	P 1	DNT		05C	-0.32		TEH	TEC	560UL	46	
29	11	2.14	83	6	MBM		01H	+20.29		TEH	TEC	560UL	23	
29	30	2.06	72	6	MBM		01C	+27.87		TEH	TEC	560UL	20	
		2.18	66	6	MBM		01C	+17.05		TEH	TEC	560UL	20	
29	44	7.34	181	P 1	DNT		07H	-0.18		TEH	TEC	560UL	18	
		4.97	180	1	DNG		07H	+1.17		TEH	TEC	560UL	18	
		2.54	174	P 1	DNT		07C	+0.38		TEH	TEC	560UL	18	
		4.96	180	P 1	DNT		07C	-0.36		TEH	TEC	560UL	18	
		6.36	181	1	DNG		07C	-0.76		TEH	TEC	560UL	18	
		11.11	180	1	DNG		06C	+39.15		TEH	TEC	560UL	18	
		3.54	183	1	DNG		06C	+38.75		TEH	TEC	560UL	18	
		3.88	178	1	DNG		06C	+38.01		TEH	TEC	560UL	18	
		2.45	179	1	DNG		06C	+37.63		TEH	TEC	560UL	18	
		5.00	182	1	DNG		06H	+39.45		TEH	TEC	560UL	18	
29	46	3.31	75	6	MBM		03H	+9.89		TEH	TEC	560UL	18	
29	52	6.94	181	1	DNG		TSC	+18.97		TEH	TEC	560UL	16	
29	57	2.41	181	P 1	DNT		AV6	+0.20		TEH	TEC	560UL	16	
29	65	4.42	186	1	DNG		02H	+12.74		TEH	TEC	560UL	33	
[illegible]	72	2.35	82	6	MBM		03H	+35.62		TEH	TEC	560UL	33	
	82	2.02	70	6	MBM		06H	+7.43		TEH	TEC	560UL	35	
		3.87	184	1	DNG		05C	+5.28		TEH	TEC	560UL	35	
29	88	4.18	84	6	MBM		04C	+37.06		TEH	TEC	560UL	35	
		4.16	82	6	MBM		04C	+34.21		TEH	TEC	560UL	35	
29	90	2.26	82	6	MBM		01C	+3.65		TEH	TEC	560UL	35	
29	104	5.24	183	1	DNG		TSC	+1.04		TEH	TEC	560UL	37	
29	105	4.50	183	1	DNG		TSC	+1.10		TEH	TEC	560UL	40	
29	110	2.07	180	1	DNG		07H	-1.16		TEH	TEC	560UL	39	
29	111	2.25	187	1	DNG		01H	+14.68		TEH	TEC	560UL	40	
29	112	4.53	179	P 1	DNT		07C	-0.45		TEH	TEC	560UL	39	
		4.51	183	P 1	DNT		07C	+0.56		TEH	TEC	560UL	39	
29	113	4.84	179	P 1	DNT		07C	-0.46		TEH	TEC	560UL	45	
		3.19	183	P 1	DNT		07C	+0.60		TEH	TEC	560UL	45	
29	114	9.03	179	P 1	DNT		07C	-0.48		TEH	TEC	560UL	45	
		5.19	181	P 1	DNT		07C	+0.60		TEH	TEC	560UL	45	
		0.23	0	P 2	TWD	15	AV2	+0.00		TEH	TEC	560UL	45	
		0.11	0	P 2	TWD	12	AV5	+0.00		TEH	TEC	560UL	45	
30	10	0.40	0	P 2	TWD	23	AV5	+0.00		TEH	TEC	560UL	9	
		2.85	181	P 1	DNT		07C	+0.37		TEH	TEC	560UL	9	
30	20	2.57	187	1	DNG		06H	+32.87		TEH	TEC	560UL	21	
30	21	4.67	183	1	DNG		06C	+39.24		TEH	TEC	560UL	22	
30	25	2.86	82	6	MBM		04C	+2.46	TO+29.4	TEH	TEC	560UL	22	
30	31	3.44	79	6	MBM		01H	+39.07		TEH	TEC	560UL	20	
		4.94	77	6	MBM		03C	+11.35		TEH	TEC	560UL	20	
30	41	3.68	181	P 1	DNT		07H	-0.23		TEH	TEC	560UL	18	
	48	3.71	188	1	DNG		06H	+1.02		TEH	TEC	560UL	17	
		9.12	185	1	DNG		02C	+4.00		TEH	TEC	560UL	17	
30	56	2.84	184	1	DNG		06H	+14.92		TEH	TEC	560UL	16	
		2.01	184	P 1	DNT		07H	-0.21		TEH	TEC	560UL	16	
30	58	2.54	58	6	MBM		02C	+29.79		TEH	TEC	560UL	15	

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QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
30	67	0.18	0	P 2	TWD	17	AV1	+0.00	TEH	TEC	560UL	34	
30	69	2.77	182	1	DNG		06C	+8.60	TEH	TEC	560UL	34	
30	71	2.31	76	6	MBM		03C	+15.71	TEH	TEC	560UL	34	
30	74	3.63	177	P 1	DNT		AV4	+0.93	TEH	TEC	560UL	34	
30	77	2.20	70	6	MBM		01H	+9.69	TEH	TEC	560UL	35	
30	78	2.12	183	P 1	DNT		04H	-0.28	TEH	TEC	560UL	36	
30	97	0.18	0	P 2	TWD	15	AV6	+0.00	TEH	TEC	560UL	37	
30	101	2.84	87	6	MBM		02H	+32.15	TEH	TEC	560UL	37	
		2.48	87	6	MBM		02H	+33.64	TEH	TEC	560UL	37	
30	103	2.77	84	6	MBM		01C	+36.85	TEH	TEC	560UL	37	
30	104	11.61	180	1	DNG		TSC	+1.09	TEH	TEC	560UL	40	
30	105	4.89	188	1	DNG		TSC	+1.06	TEH	TEC	560UL	39	
30	109	3.28	180	P 1	DNT		07C	+0.39	TEH	TEC	560UL	39	
		2.47	175	1	DNG		06H	+38.24	TEH	TEC	560UL	39	
30	110	4.73	178	P 1	DNT		07H	+0.47	TEH	TEC	560UL	40	
		2.79	179	P 1	DNT		07H	-0.60	TEH	TEC	560UL	40	
		3.99	179	P 1	DNT		07C	+0.42	TEH	TEC	560UL	40	
30	111	2.13	178	P 1	DNT		07C	-0.43	TEH	TEC	560UL	39	
		2.58	183	P 1	DNT		07C	+0.50	TEH	TEC	560UL	39	
[illegible]	112	4.82	180	P 1	DNT		07C	+0.53	TEH	TEC	560UL	40	
		4.85	178	P 1	DNT		07C	-0.44	TEH	TEC	560UL	40	
30	113	4.95	181	P 1	DNT		07C	+0.51	TEH	TEC	560UL	46	
		4.43	179	P 1	DNT		07C	-0.38	TEH	TEC	560UL	46	
30	114	5.62	182	1	DNG		07C	+0.64	TEH	TEC	560UL	46	
		6.75	180	P 1	DNT		07C	-0.37	TEH	TEC	560UL	46	
		10.22	182	1	DNG		06C	+39.11	TEH	TEC	560UL	46	
		2.46	183	1	DNG		06C	+38.03	TEH	TEC	560UL	46	
31	10	0.97	0	P 2	TWD	30	AV2	0.00	TEH	TEC	560UL	10	
		0.28	0	P 2	TWD	19	AV5	0.00	TEH	TEC	560UL	10	
31	11	0.41	0	P 2	TWD	20	AV4	+0.00	TEH	TEC	560UL	23	
31	12	0.37	0	P 2	TWD	20	AV2	-0.18	TEH	TEC	560UL	24	
31	13	0.06	0	P 2	TWD	12	AV6	+0.00	TEH	TEC	560UL	23	
		0.11	0	P 2	TWD	14	AV2	+0.00	TEH	TEC	560UL	23	
31	15	3.15	68	6	MBM		AV6	+15.53	TEH	TEC	560UL	21	
31	17	5.27	178	P 1	DNT		07C	+0.43	TEH	TEC	560UL	21	
31	31	2.38	171	P 1	DNT		07H	+0.00	TEH	TEC	560UL	19	
31	34	4.83	180	P 1	DNT		07H	+0.45	TEH	TEC	560UL	18	
		2.23	74	6	MBM		02H	+28.84	TEH	TEC	560UL	18	
31	43	2.13	74	6	MBM		03C	+7.11	TEH	TEC	560UL	17	
		2.25	82	6	MBM		01C	+32.61	TEH	TEC	560UL	17	
		2.17	82	6	MBM		TSC	+17.33	TEH	TEC	560UL	17	
31	54	4.25	175	P 1	DNT		07H	+0.60	TEH	TEC	560UL	15	
		5.25	182	1	DNG		06C	+39.78	TEH	TEC	560UL	15	
31	59	2.63	58	6	MBM		03C	+17.24	TEH	TEC	560UL	16	
31	68	2.13	78	6	MBM		03H	+22.52	TEH	TEC	560UL	34	
	79	2.74	90	6	MBM		04H	+16.92	TEH	TEC	560UL	36	
[illegible]	80	0.27	0	P 2	TWD	19	AV3	+0.15	TEH	TEC	560UL	35	
31	81	2.45	72	6	MBM		04C	+19.45	TEH	TEC	560UL	35	
31	83	0.16	0	P 2	TWD	16	AV2	+0.20	TEH	TEC	560UL	36	
		0.11	0	P 2	TWD	15	AV1	-0.15	TEH	TEC	560UL	36	

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QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
		0.05	0	P 2	TWD	14	AV5	+0.00	TEH	TEC	560UL	36	
31	101	2.77	84	6	MBM		AV3	+2.62	TEH	TEC	560UL	38	
31	102	3.45	72	6	MBM		FBC	+16.61	TEH	TEC	560UL	37	
31	103	2.48	185	1	DNG		AV3	+3.51	TEH	TEC	560UL	38	
31	106	2.55	70	6	MBM		07H	+3.13	TEH	TEC	560UL	39	
31	107	3.39	80	6	MBM		06C	+35.94	TEH	TEC	560UL	39	
31	110	2.45	177	P 1	DNT		07C	-0.45	TEH	TEC	560UL	39	
		2.04	184	P 1	DNT		07C	+0.52	TEH	TEC	560UL	39	
		0.15	0	P 2	TWD	17	AV3	+0.00	TEH	TEC	560UL	39	
31	111	0.16	0	P 2	TWD	17	AV3	+0.00	TEH	TEC	560UL	40	
		3.93	181	P 1	DNT		07C	+0.57	TEH	TEC	560UL	40	
		2.61	183	P 1	DNT		07C	-0.46	TEH	TEC	560UL	40	
31	112	5.75	179	P 1	DNT		07C	-0.49	TEH	TEC	560UL	39	
		4.60	182	P 1	DNT		07C	+0.52	TEH	TEC	560UL	39	
31	113	4.70	180	P 1	DNT		07C	-0.44	TEH	TEC	560UL	45	
		4.92	182	P 1	DNT		07C	+0.60	TEH	TEC	560UL	45	
		0.24	0	P 2	TWD	15	AV1	+0.13	TEH	TEC	560UL	45	
		0.17	0	P 2	TWD	13	AV6	+0.04	TEH	TEC	560UL	45	
32	11	3.34	181	P 1	DNT		07C	+0.37	TEH	TEC	560UL	23	
[illegible]	12	2.55	181	1	DNG		06H	+35.93	TEH	TEC	560UL	23	
		0.23	0	P 2	TWD	18	AV5	+0.00	TEH	TEC	560UL	23	
		0.06	0	P 2	TWD	15	AV2	+0.00	TEH	TEC	560UL	23	
32	17	5.87	181	P 1	DNT		07C	+0.36	TEH	TEC	560UL	22	
32	19	2.10	64	6	MBM		05C	+38.22	TEH	TEC	560UL	22	
32	36	0.26	0	P 2	TWD	18	AV5	+0.00	TEH	TEC	560UL	17	
32	48	4.26	81	6	MBM		02H	+21.08	TEH	TEC	560UL	17	
		2.57	87	6	MBM		02H	+26.24	TEH	TEC	560UL	17	
32	57	3.02	48	6	MBM		AV5	-0.41	TEH	TEC	560UL	15	
32	62	3.21	72	6	MBM		01H	+13.54	TEH	TEC	560UL	34	
		2.63	63	6	MBM		01H	+15.49	TEH	TEC	560UL	34	
		3.66	65	6	MBM		01H	+20.76	TEH	TEC	560UL	34	
		2.41	49	6	MBM		05H	+14.07	TEH	TEC	560UL	34	
32	67	4.41	87	6	MBM		06H	+10.13	TEH	TEC	560UL	34	
32	80	2.66	72	6	MBM		03H	+31.29	TEH	TEC	560UL	36	
		2.37	182	1	DNG		07H	+7.48	TEH	TEC	560UL	36	
32	82	0.12	0	P 2	TWD	15	AV4	+0.22	TEH	TEC	560UL	36	
		0.11	0	P 2	TWD	15	AV3	+0.09	TEH	TEC	560UL	36	
32	92	2.18	70	6	MBM		04C	+16.70	TEH	TEC	560UL	36	
32	106	2.18	180	1	DNG		02C	+15.34	TEH	TEC	560UL	40	
32	110	2.94	183	1	DNG		AV3	+5.30	TEH	TEC	560UL	40	
		2.82	179	P 1	DNT		07C	+0.53	TEH	TEC	560UL	40	
32	112	0.29	0	P 2	TWD	18	AV5	+0.00	TEH	TEC	560UL	39	
		2.76	178	P 1	DNT		07C	-0.36	TEH	TEC	560UL	39	
		3.34	182	P 1	DNT		07C	+0.56	TEH	TEC	560UL	39	
		0.81	0	P 2	TWD	28	AV6	+0.00	TEH	TEC	560UL	39	
		0.21	0	P 2	TWD	18	AV2	+0.00	TEH	TEC	560UL	39	
		0.22	0	P 2	TWD	19	AV1	+0.00	TEH	TEC	560UL	39	
32	113	0.24	0	P 2	TWD	17	AV5	+0.00	TEH	TEC	560UL	46	
		0.71	0	P 2	TWD	27	AV6	+0.00	TEH	TEC	560UL	46	
		0.54	0	P 2	TWD	24	AV2	+0.00	TEH	TEC	560UL	46	

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l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
		4.99	183	P 1	DNT		07C	+0.49	TEH	TEC	560UL	46	
		5.98	181	P 1	DNT		07C	-0.33	TEH	TEC	560UL	46	
33	14	2.53	185	1	DNG		02C	+30.94	TEH	TEC	560UL	24	
33	17	5.18	62	6	MBM		TSH	+0.44	TEH	TEC	560UL	21	
		4.42	187	1	DNG		06C	+33.47	TEH	TEC	560UL	21	
		15.79	182	1	DNG		06C	+34.72	TEH	TEC	560UL	21	
33	21	3.71	71	6	MBM		01H	+33.72	TEH	TEC	560UL	21	
33	34	3.35	181	P 1	DNT		07C	+0.34	TEH	TEC	560UL	18	
33	39	8.92	181	1	DNG		06C	+36.25	TEH	TEC	560UL	17	
		2.64	185	1	DNG		06C	+35.18	TEH	TEC	560UL	17	
33	53	2.36	179	P 1	DNT		07C	+0.36	TEH	TEC	560UL	16	
33	55	2.10	181	1	DNG		05H	+2.95	TEH	TEC	560UL	15	
33	57	2.31	84	6	MBM		03C	+37.73	TEH	TEC	560UL	16	
33	63	3.67	83	6	MBM		02C	+24.85	TEH	TEC	560UL	33	
33	64	2.67	180	1	DNG		TSC	+15.88	TEH	TEC	560UL	34	
		3.11	182	1	DNG		TSC	+7.51	TEH	TEC	560UL	34	
		2.27	181	1	DNG		TSC	+4.05	TEH	TEC	560UL	34	
		6.14	184	1	DNG		TSC	+3.08	TEH	TEC	560UL	34	
33	68	2.04	183	1	DNG		FBH	+9.05	TEH	TEC	560UL	34	
		4.26	184	1	DNG		01H	+15.55	TEH	TEC	560UL	34	
		4.03	181	1	DNG		06C	+21.95	TEH	TEC	560UL	34	
		2.30	181	1	DNG		06C	+20.82	TEH	TEC	560UL	34	
33	73	2.49	187	1	DNG		FBC	+5.80	TEH	TEC	560UL	33	
33	74	6.04	90	6	MBM		FBH	+2.07	TEH	TEC	560UL	33	
33	76	3.86	180	1	DNG		FBC	+4.83	TEH	TEC	560UL	35	
		2.23	172	1	DNG		FBC	+4.11	TEH	TEC	560UL	35	
		2.68	190	1	DNG		04C	+14.76	TEH	TEC	560UL	35	
33	77	4.26	182	1	DNG		06H	+35.85	TEH	TEC	560UL	36	
33	78	2.38	180	P 1	DNT		07H	+0.49	TEH	TEC	560UL	35	
33	79	4.54	84	6	MBM		04H	+1.66	TEH	TEC	560UL	35	
		7.23	84	6	MBM		04H	+14.42	TEH	TEC	560UL	35	
33	80	7.06	85	6	MBM		03H	+11.76	TEH	TEC	560UL	35	
		4.02	82	6	MBM		05C	+7.46	TEH	TEC	560UL	35	
33	81	2.32	176	1	DNG		06H	+37.81	TEH	TEC	560UL	35	
33	82	3.98	88	6	MBM		03H	+13.01	TEH	TEC	560UL	35	
		4.66	88	6	MBM		07H	+7.93	TEH	TEC	560UL	35	
33	83	3.25	85	6	MBM		TSH	+12.91	TEH	TEC	560UL	36	
33	85	2.25	181	1	DNG		06C	+28.48	TEH	TEC	560UL	36	
33	92	3.16	88	6	MBM		03H	+16.86	TEH	TEC	560UL	35	
		2.41	52	6	MBM		AV3	+8.12	TEH	TEC	560UL	35	
33	96	3.18	88	6	MBM		03C	+23.33	TEH	TEC	560UL	37	
		2.18	87	6	MBM		02C	+10.44	TEH	TEC	560UL	37	
33	97	2.29	79	6	MBM		05C	+21.38	TEH	TEC	560UL	38	
		2.69	78	6	MBM		05C	+19.27	TEH	TEC	560UL	38	
33	102	2.98	85	6	MBM		05H	+37.81	TEH	TEC	560UL	37	
		4.49	88	6	MBM		05H	+34.73	TEH	TEC	560UL	37	
[illegible]	109	5.56	181	1	DNG		06H	+35.83	TEH	TEC	560UL	40	
33	111	2.11	183	P 1	DNT		07C	+0.48	TEH	TEC	560UL	40	
		2.37	82	6	MBM		02C	+27.88	TEH	TEC	560UL	40	
34	13	0.20	0	P 2	TWD	17	AV5	+0.02	TEH	TEC	560UL	24	

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l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
		0.54	0	P 2	TWD	24	AV4	+0.04	TEH	TEC	560UL	24	
		0.60	0	P 2	TWD	25	AV3	+0.00	TEH	TEC	560UL	24	
34	19	2.56	183	1	DNG		05H	+30.69	TEH	TEC	560UL	22	
34	21	2.46	87	6	MBM		02H	+32.97	TEH	TEC	560UL	22	
		2.49	88	6	MBM		03H	+25.88	TEH	TEC	560UL	22	
34	30	0.36	0	P 2	TWD	19	AV6	+0.19	TEH	TEC	560UL	19	
34	31	2.11	70	6	MBM		TSC	+15.66	TEH	TEC	560UL	20	
34	41	2.83	85	6	MBM		01H	+31.07	TEH	TEC	560UL	18	
		5.37	181	1	DNG		06C	+38.55	TEH	TEC	560UL	18	
		3.94	179	1	DNG		06C	+38.06	TEH	TEC	560UL	18	
		4.04	181	1	DNG		06C	+37.79	TEH	TEC	560UL	18	
		2.73	184	1	DNG		06C	+37.28	TEH	TEC	560UL	18	
34	54	2.76	183	1	DNG		TSH	+16.62	TEH	TEC	560UL	16	
34	55	4.90	67	6	MBM		02C	+4.18	TEH	TEC	560UL	16	
34	60	8.13	78	6	MBM		TSH	+4.89	TEH	TEC	560UL	15	
34	64	3.31	64	6	MBM		AV6	+2.00	TEH	TEC	560UL	33	
34	65	3.55	189	1	DNG		01H	+27.51	TEH	TEC	560UL	34	
		3.27	188	1	DNG		01H	+28.77	TEH	TEC	560UL	34	
34	74	0.15	0	P 2	TWD	17	AV3	+0.00	TEH	TEC	560UL	34	
		0.23	0	P 2	TWD	17	AV2	-0.02	TEH	TEC	560UL	34	
		0.13	0	P 2	TWD	15	AV4	-0.24	TEH	TEC	560UL	34	
		0.15	0	P 2	TWD	15	AV6	+0.27	TEH	TEC	560UL	34	
34	75	3.31	179	P 1	DNT		07C	+0.00	TEH	TEC	560UL	34	
		2.22	179	P 1	DNT		07C	+0.40	TEH	TEC	560UL	34	
		4.16	183	1	DNG		07C	-1.10	TEH	TEC	560UL	34	
		3.17	182	1	DNG		06C	+37.97	TEH	TEC	560UL	34	
		2.01	183	1	DNG		06C	+36.80	TEH	TEC	560UL	34	
34	78	2.00	181	1	DNG		06C	+37.89	TEH	TEC	560UL	36	
34	82	2.56	80	6	MBM		01H	+27.57	TEH	TEC	560UL	36	
34	87	2.96	90	6	MBM		05C	+7.93	TEH	TEC	560UL	35	
34	88	2.10	69	6	MBM		01C	+12.30	TEH	TEC	560UL	36	
34	90	0.24	0	P 2	TWD	17	AV3	+0.00	TEH	TEC	560UL	36	
34	91	3.82	54	6	MBM		AV6	+3.54	TEH	TEC	560UL	36	
34	92	3.24	60	6	MBM		02H	+28.61	TEH	TEC	560UL	36	
34	97	2.30	70	6	MBM		01C	+35.65	TEH	TEC	560UL	37	
		2.18	187	1	DNG		01H	+2.37	TEH	TEC	560UL	37	
34	99	0.10	0	P 2	TWD	14	AV4	+0.00	TEH	TEC	560UL	37	
34	101	3.10	74	6	MBM		TSC	+4.03	TEH	TEC	560UL	37	
34	102	2.03	81	6	MBM		01C	+9.88	TEH	TEC	560UL	38	
34	106	3.50	180	1	DNG		06H	+35.07	TEH	TEC	560UL	40	
34	111	4.64	179	P 1	DNT		07H	+0.49	TEH	TEC	560UL	39	
35	16	1.12	0	P 2	TWD	33	AV3	+0.00	TEH	TEC	560UL	21	
35	17	0.22	0	P 2	TWD	18	AV2	+0.00	TEH	TEC	560UL	21	
		0.90	0	P 2	TWD	30	AV3	+0.00	TEH	TEC	560UL	21	
		0.29	0	P 2	TWD	19	AV4	+0.00	TEH	TEC	560UL	21	
	22	2.91	184	1	DNG		06H	+6.65	TEH	TEC	560UL	22	
[illegible]	34	2.68	86	6	MBM		01H	+10.81	TEH	TEC	560UL	18	
35	37	0.27	0	P 2	TWD	18	AV4	-0.02	TEH	TEC	560UL	17	
35	40	3.39	86	6	MBM		FBH	+11.81	TEH	TEC	560UL	18	
		5.32	89	6	MBM		04H	+24.01	TEH	TEC	560UL	18	

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QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
35	42	3.43	79	6	MBM		03C	+11.89	TEH	TEC	560UL	18	
35	43	1.45	73	P 2	MBM		01H	-0.28	TEH	TEC	560UL	17	HR-93
35	60	2.45	67	6	MBM		04C	+12.12	TEH	TEC	560UL	16	
35	62	2.32	70	6	MBM		05H	+37.76	TEH	TEC	560UL	33	
35	63	2.82	74	6	MBM		TSH	+9.70	TEH	TEC	560UL	33	
		2.95	78	6	MBM		04C	+19.57	TEH	TEC	560UL	33	
35	71	4.05	182	1	DNG		03H	+38.10	TEH	TEC	560UL	34	
		2.27	183	1	DNG		04H	+4.01	TEH	TEC	560UL	34	
35	80	2.16	80	6	MBM		04H	+19.77	TEH	TEC	560UL	35	
35	81	2.15	85	6	MBM		05C	+7.53	TEH	TEC	560UL	35	
35	95	3.83	87	6	MBM		02C	+17.13	TEH	TEC	560UL	38	
35	100	2.98	64	6	MBM		AV6	+20.56	TEH	TEC	560UL	37	
35	105	2.46	85	6	MBM		TSC	+16.12	TEH	TEC	560UL	40	
35	108	3.47	70	6	MBM		AV1	+5.02	TEH	TEC	560UL	39	
		3.56	88	6	MBM		AV1	+6.32	TEH	TEC	560UL	39	
35	109	3.06	182	1	DNG		06H	+35.21	TEH	TEC	560UL	40	
		4.55	183	1	DNG		06H	+36.21	TEH	TEC	560UL	40	
		2.73	184	1	DNG		06H	+36.74	TEH	TEC	560UL	40	
36	16	0.15	0	P 2	TWD	17	AV1	+0.07	TEH	TEC	560UL	22	
	20	2.66	85	6	MBM		04H	+9.23	TEH	TEC	560UL	21	
	22	3.68	85	6	MBM		04H	+4.01	TEH	TEC	560UL	21	
36	25	2.03	182	1	DNG		01C	+22.40	TEH	TEC	560UL	22	
36	28	3.16	89	6	MBM		03H	+29.07	TEH	TEC	560UL	22	
36	38	6.07	88	6	MBM		04H	+29.98	TEH	TEC	560UL	17	
36	44	3.15	183	P 1	DNT		05H	-0.45	TEH	TEC	560UL	17	
		5.41	180	1	DNG		06C	+33.49	TEH	TEC	560UL	17	
36	50	3.41	180	1	DNG		FBH	+10.07	TEH	TEC	560UL	15	
		5.11	76	6	MBM		03H	+23.55	TEH	TEC	560UL	15	
36	55	2.50	184	1	DNG		02C	+3.69	TEH	TEC	560UL	16	
36	56	2.28	183	1	DNG		TSH	+12.45	TEH	TEC	560UL	16	
		2.06	184	1	DNG		TSH	+12.80	TEH	TEC	560UL	16	
		2.55	183	1	DNG		TSH	+14.66	TEH	TEC	560UL	16	
		3.79	183	1	DNG		TSH	+15.76	TEH	TEC	560UL	16	
36	62	0.58	18	P 1	MCI		TSH	-0.45	TSH	TSH	560PP	29	
36	67	4.68	85	6	MBM		05H	+7.24	TEH	TEC	560UL	34	
		4.15	76	6	MBM		05H	+8.62	TEH	TEC	560UL	34	
36	69	2.41	81	6	MBM		03C	+15.32	TEH	TEC	560UL	34	
36	72	2.81	55	6	MBM		07H	+3.04	TEH	TEC	560UL	34	
		2.77	71	6	MBM		02C	+34.94	TEH	TEC	560UL	34	
		2.99	76	6	MBM		02C	+31.34	TEH	TEC	560UL	34	
36	79	3.00	77	6	MBM		01C	+10.23	TEH	TEC	560UL	36	
36	80	2.23	52	6	MBM		05H	+11.13	TEH	TEC	560UL	36	
		4.19	74	6	MBM		AV3	+0.92	TEH	TEC	560UL	36	
36	84	0.35	0	P 2	TWD	19	AV3	+0.00	TEH	TEC	560UL	36	
		0.35	0	P 2	TWD	19	AV4	+0.00	TEH	TEC	560UL	36	
	89	0.25	0	P 2	TWD	19	AV4	-0.06	TEH	TEC	560UL	35	
		0.13	0	P 2	TWD	16	AV5	-0.04	TEH	TEC	560UL	35	
36	93	0.45	0	P 2	TWD	22	AV4	-0.02	TEH	TEC	560UL	35	
36	94	0.16	0	P 2	TWD	15	AV4	+0.00	TEH	TEC	560UL	37	
36	97	0.18	0	P 2	TWD	16	AV4	-0.04	TEH	TEC	560UL	37	

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QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
36	100	2.77	178	P 1	DNT		07C	+0.31	TEH	TEC	560UL	38	
		0.17	0	P 2	TWD	18	AV3	+0.00	TEH	TEC	560UL	38	
36	101	0.19	0	P 2	TWD	16	AV2	+0.08	TEH	TEC	560UL	37	
		0.48	0	P 2	TWD	22	AV3	+0.42	TEH	TEC	560UL	37	
		0.26	0	P 2	TWD	18	AV5	-0.08	TEH	TEC	560UL	37	
		0.21	0	P 2	TWD	17	AV6	+0.09	TEH	TEC	560UL	37	
		2.08	186	1	DNG		05C	+19.56	TEH	TEC	560UL	37	
36	105	0.29	0	P 2	TWD	18	AV3	+0.00	TEH	TEC	560UL	39	
		0.23	0	P 2	TWD	17	AV5	+0.00	TEH	TEC	560UL	39	
		0.13	0	P 2	TWD	17	AV1	+0.00	TEH	TEC	560UL	39	
36	106	0.16	0	P 2	TWD	17	AV1	+0.07	TEH	TEC	560UL	40	
		0.09	0	P 2	TWD	16	AV3	+0.29	TEH	TEC	560UL	40	
		0.48	0	P 2	TWD	22	AV4	+0.09	TEH	TEC	560UL	40	
		0.39	0	P 2	TWD	21	AV5	+0.09	TEH	TEC	560UL	40	
		0.26	0	P 2	TWD	19	AV6	+0.15	TEH	TEC	560UL	40	
36	108	2.64	88	6	MBM		04C	+6.83	TEH	TEC	560UL	40	
		2.33	69	6	MBM		04C	+2.31	TEH	TEC	560UL	40	
		2.43	84	6	MBM		03C	+38.90	TEH	TEC	560UL	40	
37	16	3.90	79	6	MBM		05H	+11.16	TEH	TEC	560UL	21	
		2.20	82	6	MBM		01C	+8.20	TEH	TEC	560UL	21	
		2.06	87	6	MBM		01C	+36.93	TEH	TEC	560UL	21	
37	20	3.30	83	6	MBM		01C	+26.69	TEH	TEC	560UL	22	
37	21	4.41	88	6	MBM		02H	+23.07	TEH	TEC	560UL	21	
37	30	3.34	82	6	MBM		05H	+20.49	TEH	TEC	560UL	20	
		2.01	78	6	MBM		06H	+12.96	TEH	TEC	560UL	20	
37	39	5.22	76	6	MBM		05H	+24.49	TEH	TEC	560UL	17	
37	42	0.16	0	P 2	TWD	17	AV2	+0.11	TEH	TEC	560UL	18	
		0.24	0	P 2	TWD	18	AV4	-0.07	TEH	TEC	560UL	18	
37	43	2.36	79	6	MBM		02C	+35.10	TEH	TEC	560UL	17	
		13.46	79	6	MBM		02C	+31.61	TEH	TEC	560UL	17	
37	44	3.58	183	1	DNG		FBC	+17.20	TEH	TEC	560UL	18	
		0.46	0	P 2	TWD	22	AV2	+0.34	TEH	TEC	560UL	18	
		0.67	0	P 2	TWD	25	AV3	+0.11	TEH	TEC	560UL	18	
		0.31	0	P 2	TWD	19	AV4	+0.11	TEH	TEC	560UL	18	
37	53	2.95	72	6	MBM		05H	+2.17	TEH	TEC	560UL	16	
37	54	2.63	188	1	DNG		04C	+4.47	TEH	TEC	560UL	15	
37	55	2.05	67	6	MBM		04C	+15.88	TEH	TEC	560UL	15	
		2.86	185	1	DNG		04H	+15.24	TEH	TEC	560UL	15	
37	57	3.64	183	1	DNG		06C	+37.16	TEH	TEC	560UL	16	
37	60	3.73	76	6	MBM		FBH	+7.65	TEH	TEC	560UL	16	
37	66	2.62	83	6	MBM		02C	+4.92	TEH	TEC	560UL	34	
37	69	3.09	78	6	MBM		04H	+39.01	TEH	TEC	560UL	33	
37	72	6.12	81	6	MBM		02H	+35.65	TEH	TEC	560UL	33	
		0.61	0	P 2	TWD	25	AV4	+0.00	TEH	TEC	560UL	33	
		0.14	0	P 2	TWD	16	AV5	+0.00	TEH	TEC	560UL	33	
		0.18	0	P 2	TWD	17	AV3	+0.00	TEH	TEC	560UL	33	
37	77	2.25	182	1	DNG		02H	+24.61	TEH	TEC	560UL	36	
		3.60	185	1	DNG		06H	+17.69	TEH	TEC	560UL	36	
		2.17	185	1	DNG		AV3	+4.26	TEH	TEC	560UL	36	
		2.77	181	1	DNG		01C	+17.59	TEH	TEC	560UL	36	

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QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
37	78	2.64	66	6	MBM		TSH	+18.20	TEH	TEC	560UL	35	
37	80	2.71	181	1	DNG		06C	+39.19	TEH	TEC	560UL	35	
37	81	2.34	88	6	MBM		TSC	+3.17	TEH	TEC	560UL	35	
37	87	2.96	178	P 1	DNT		07C	+0.38	TEH	TEC	560UL	36	
37	91	3.51	183	P 1	DNT		07C	+0.36	TEH	TEC	560UL	35	
37	96	0.14	0	P 2	TWD	15	AV2	+0.06	TEH	TEC	560UL	37	
		0.16	0	P 2	TWD	16	AV3	+0.02	TEH	TEC	560UL	37	
37	97	3.21	76	6	MBM		AV4	+2.23	TEH	TEC	560UL	38	
37	98	2.50	74	6	MBM		FBC	+6.35	TEH	TEC	560UL	38	
37	100	3.35	87	6	MBM		AV4	+2.73	TEH	TEC	560UL	37	
37	102	0.23	0	P 2	TWD	17	AV6	+0.06	TEH	TEC	560UL	37	
		0.46	0	P 2	TWD	22	AV5	+0.00	TEH	TEC	560UL	37	
		0.58	0	P 2	TWD	24	AV4	+0.02	TEH	TEC	560UL	37	
		0.60	0	P 2	TWD	24	AV3	-0.02	TEH	TEC	560UL	37	
		0.18	0	P 2	TWD	16	AV2	-0.09	TEH	TEC	560UL	37	
37	105	2.27	186	1	DNG		01C	+1.43	TEH	TEC	560UL	40	
37	106	0.25	0	P 2	TWD	19	AV3	+0.00	TEH	TEC	560UL	39	
		2.88	189	1	DNG		FBC	+2.08	TEH	TEC	560UL	39	
38	15	3.14	179	P 1	DNT		07C	+0.36	TEH	TEC	560UL	23	
	41	2.91	73	6	MBM		02H	+37.48	TEH	TEC	560UL	18	
	43	2.23	182	1	DNG		06H	+35.12	TEH	TEC	560UL	18	
		5.28	181	1	DNG		06H	+38.06	TEH	TEC	560UL	18	
38	44	2.20	186	1	DNG		06C	+33.06	TEH	TEC	560UL	17	
38	52	2.51	184	1	DNG		06H	+32.07	TEH	TEC	560UL	16	
		3.48	183	1	DNG		05C	+30.34	TEH	TEC	560UL	16	
		2.71	184	1	DNG		05C	+14.41	TEH	TEC	560UL	16	
38	53	3.02	179	1	DNG		06C	+37.77	TEH	TEC	560UL	15	
		2.34	49	6	MBM		02C	+2.20	TEH	TEC	560UL	15	
38	55	6.69	83	6	MBM		TSH	+2.22	TEH	TEC	560UL	16	
38	56	7.23	183	1	DNG		06H	+29.07	TEH	TEC	560UL	16	
38	60	4.36	183	1	DNG		07H	-1.07	TEH	TEC	560UL	15	
		4.30	180	P 1	DNT		07H	-0.20	TEH	TEC	560UL	15	
		6.70	178	P 1	DNT		07H	+0.11	TEH	TEC	560UL	15	
38	66	2.77	185	1	DNG		FBC	+12.38	TEH	TEC	560UL	33	
38	67	2.34	85	6	MBM		04H	+28.34	TEH	TEC	560UL	34	
38	69	2.39	184	1	DNG		04H	+17.66	TEH	TEC	560UL	34	
38	71	3.99	180	P 1	DNT		07C	+0.40	TEH	TEC	560UL	33	
38	74	2.48	80	6	MBM		04C	+35.75	TEH	TEC	560UL	34	
38	80	3.17	81	6	MBM		01C	+11.22	TEH	TEC	560UL	36	
		2.14	179	P 1	DNT		07C	+0.00	TEH	TEC	560UL	36	
38	83	3.97	191	1	DNG		05H	+12.52	TEH	TEC	560UL	35	
38	85	2.59	72	6	MBM		AV4	+1.90	TEH	TEC	560UL	35	
38	86	4.98	181	P 1	DNT		07H	-0.78	TEH	TEC	560UL	36	
		13.32	179	P 1	DNT		07H	+0.42	TEH	TEC	560UL	36	
		2.49	81	6	MBM		05C	+4.74	TEH	TEC	560UL	36	
	94	2.02	89	6	MBM		02C	+6.01	TEH	TEC	560UL	37	
38	97	2.22	180	P 1	DNT		07C	+0.36	TEH	TEC	560UL	37	
38	98	2.22	184	P 1	DNT		07H	+0.42	TEH	TEC	560UL	37	
		2.18	178	P 1	DNT		07H	-0.60	TEH	TEC	560UL	37	
38	99	3.18	182	P 1	DNT		07H	+0.46	TEH	TEC	560UL	37	

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l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
		2.96	181	P 1	DNT		07H	+0.08	TEH	TEC	560UL	37	
		4.41	183	P 1	DNT		07H	-0.73	TEH	TEC	560UL	37	
		5.72	182	1	DNG		06H	+38.82	TEH	TEC	560UL	37	
38	100	4.14	178	P 1	DNT		07H	+0.33	TEH	TEC	560UL	38	
38	101	2.71	181	1	DNG		03H	+24.82	TEH	TEC	560UL	37	
		2.46	183	1	DNG		02C	+21.32	TEH	TEC	560UL	37	
38	102	3.91	181	P 1	DNT		07H	+0.51	TEH	TEC	560UL	38	
		2.07	183	P 1	DNT		07H	-0.59	TEH	TEC	560UL	38	
38	103	0.13	75	3	SVI		TSH	+0.45	TSH	TSH	560PP	34	
38	106	2.64	178	P 1	DNT		07H	+0.49	TEH	TEC	560UL	40	
38	107	3.20	183	1	DNG		06H	+39.01	TEH	TEC	560UL	40	
		3.31	177	1	DNG		07C	-0.64	TEH	TEC	560UL	40	
		3.02	181	P 1	DNT		06C	+0.07	TEH	TEC	560UL	40	
		9.96	180	P 1	DNT		07C	+0.40	TEH	TEC	560UL	40	
		3.31	179	P 1	DNT		07H	+0.42	TEH	TEC	560UL	40	
		4.12	180	P 1	DNT		07H	-0.47	TEH	TEC	560UL	40	
38	108	2.56	182	P 1	DNT		07C	+0.45	TEH	TEC	560UL	39	
39	18	2.15	180	P 1	DNT		07C	-0.69	TEH	TEC	560UL	22	
		0.29	0	P 2	TWD	19	AV3	+0.04	TEH	TEC	560UL	22	
		4.43	184	1	DNG		AV6	+19.41	TEH	TEC	560UL	22	
		2.05	71	6	MBM		01C	+18.71	TEH	TEC	560UL	22	
39	20	5.45	69	6	MBM		06H	+37.15	TEH	TEC	560UL	22	
39	23	2.37	87	6	MBM		AV1	+3.26	TEH	TEC	560UL	21	
39	25	2.28	66	6	MBM		01H	+18.92	TEH	TEC	560UL	21	
39	30	7.56	79	6	MBM		FBH	+7.20	TEH	TEC	560UL	20	
39	32	3.40	79	6	MBM		FBH	+7.18	TEH	TEC	560UL	20	
		4.87	78	6	MBM		02H	+19.58	TEH	TEC	560UL	20	
39	36	7.25	85	6	MBM		03H	+33.79	TEH	TEC	560UL	18	
39	37	2.14	90	6	MBM		01H	+12.01	TEH	TEC	560UL	17	
39	38	2.57	78	6	MBM		01H	+37.61	TEH	TEC	560UL	18	
39	43	2.30	185	1	DNG		06H	+31.59	TEH	TEC	560UL	17	
39	44	2.08	185	1	DNG		02C	+14.53	TEH	TEC	560UL	18	
39	46	4.73	80	6	MBM		FBH	+8.09	TEH	TEC	560UL	18	
39	65	0.49	20	3	SAI		TSH	+0.00	TSH	TSH	560PP	29	
39	67	0.23	0	P 2	TWD	18	AV2	+0.00	TEH	TEC	560UL	33	
39	74	2.97	87	6	MBM		02H	+5.06	TEH	TEC	560UL	33	
		3.52	69	6	MBM		AV5	+7.92	TEH	TEC	560UL	33	
		3.05	88	6	MBM		AV5	+9.46	TEH	TEC	560UL	33	
		0.21	0	P 2	TWD	17	AV5	+0.00	TEH	TEC	560UL	33	
39	76	0.26	0	P 2	TWD	18	AV2	+0.28	TEH	TEC	560UL	35	
		0.20	0	P 2	TWD	17	AV3	+0.26	TEH	TEC	560UL	35	
		0.63	0	P 2	TWD	25	AV4	+0.30	TEH	TEC	560UL	35	
39	77	0.32	0	P 2	TWD	19	AV2	+0.00	TEH	TEC	560UL	36	
		0.65	0	P 2	TWD	25	AV5	-0.16	TEH	TEC	560UL	36	
39	80	2.53	73	6	MBM		FBH	+14.68	TEH	TEC	560UL	35	
	84	5.13	76	6	MBM		TSC	+12.20	TEH	TEC	560UL	35	
		3.48	82	6	MBM		TSC	+6.05	TEH	TEC	560UL	35	
39	85	3.24	180	P 1	DNT		07C	+0.22	TEH	TEC	560UL	36	
39	86	0.37	0	P 2	TWD	21	AV4	-0.17	TEH	TEC	560UL	35	
		0.13	0	P 2	TWD	16	AV5	-0.13	TEH	TEC	560UL	35	

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l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
39	87	0.12	0	P 2	TWD	14	AV1	-0.09	TEH	TEC	560UL	36	
		0.21	0	P 2	TWD	17	AV6	+0.38	TEH	TEC	560UL	36	
		0.42	0	P 2	TWD	21	AV5	+0.00	TEH	TEC	560UL	36	
		0.41	0	P 2	TWD	21	AV4	-0.07	TEH	TEC	560UL	36	
		0.14	0	P 2	TWD	15	AV3	+0.44	TEH	TEC	560UL	36	
		0.16	0	P 2	TWD	16	AV2	+0.11	TEH	TEC	560UL	36	
39	88	0.35	0	P 2	TWD	20	AV2	-0.09	TEH	TEC	560UL	35	
		0.31	0	P 2	TWD	20	AV3	+0.06	TEH	TEC	560UL	35	
		0.57	0	P 2	TWD	24	AV4	+0.00	TEH	TEC	560UL	35	
		2.63	47	6	MBM		AV4	+12.21	TEH	TEC	560UL	35	
39	89	0.52	0	P 2	TWD	22	AV2	+0.00	TEH	TEC	560UL	36	
		0.11	0	P 2	TWD	15	AV3	0.00	TEH	TEC	560UL	36	
		0.16	0	P 2	TWD	15	AV4	+0.00	TEH	TEC	560UL	36	
39	91	0.20	0	P 2	TWD	18	AV2	+0.00	TEH	TEC	560UL	35	
		0.43	0	P 2	TWD	22	AV3	+0.21	TEH	TEC	560UL	35	
		1.10	0	P 2	TWD	32	AV4	+0.38	TEH	TEC	560UL	35	
		0.38	0	P 2	TWD	21	AV5	-0.15	TEH	TEC	560UL	35	
39	93	0.22	0	P 2	TWD	17	AV3	+0.29	TEH	TEC	560UL	36	
39	97	5.27	85	6	MBM		05H	+6.62	TEH	TEC	560UL	38	
[illegible]	99	2.15	182	1	DNG		05H	+10.10	TEH	TEC	560UL	38	
		2.27	177	P 1	DNT		07C	+0.40	TEH	TEC	560UL	38	
39	103	2.31	80	6	MBM		07H	+3.05	TEH	TEC	560UL	38	
39	105	2.16	178	P 1	DNT		05C	+0.39	TEH	TEC	560UL	40	
		0.40	0	P 2	TWD	21	AV5	-0.11	TEH	TEC	560UL	40	
		0.08	0	P 2	TWD	16	AV4	-0.07	TEH	TEC	560UL	40	
		0.17	0	P 2	TWD	17	AV3	+0.00	TEH	TEC	560UL	40	
		0.14	0	P 2	TWD	17	AV2	+0.00	TEH	TEC	560UL	40	
40	19	2.27	177	P 1	DNT		07C	+0.32	TEH	TEC	560UL	21	
40	22	0.44	0	P 2	TWD	22	AV3	+0.00	TEH	TEC	560UL	21	
		0.13	0	P 2	TWD	16	AV4	+0.00	TEH	TEC	560UL	21	
		0.28	0	P 2	TWD	19	AV5	+0.00	TEH	TEC	560UL	21	
40	23	0.25	0	P 2	TWD	18	AV3	+0.00	TEH	TEC	560UL	21	
		0.80	0	P 2	TWD	28	AV5	+0.00	TEH	TEC	560UL	21	
		0.21	0	P 2	TWD	18	AV6	+0.00	TEH	TEC	560UL	21	
40	24	0.30	0	P 2	TWD	19	AV2	+0.00	TEH	TEC	560UL	21	
		0.17	0	P 2	TWD	16	AV3	+0.00	TEH	TEC	560UL	21	
		0.51	0	P 2	TWD	23	AV4	+0.00	TEH	TEC	560UL	21	
		0.56	0	P 2	TWD	24	AV5	+0.00	TEH	TEC	560UL	21	
40	36	0.15	0	P 2	TWD	16	AV3	-0.15	TEH	TEC	560UL	17	
		0.10	0	P 2	TWD	15	AV4	+0.11	TEH	TEC	560UL	17	
40	38	2.08	84	6	MBM		04C	+7.87	TEH	TEC	560UL	17	
		2.63	73	6	MBM		04C	+12.43	TEH	TEC	560UL	17	
40	44	5.44	180	1	DNG		06C	+37.82	TEH	TEC	560UL	17	
40	50	2.35	177	P 1	DNT		07C	+0.30	TEH	TEC	560UL	15	
40	57	3.32	76	6	MBM		02H	+13.12	TEH	TEC	560UL	15	
	58	2.07	173	P 1	DNT		07C	-0.11	TEH	TEC	560UL	15	
[illegible]	65	5.36	183	1	DNG		07H	+6.41	TEH	TEC	560UL	34	
40	68	2.22	79	6	MBM		04C	+27.97	TEH	TEC	560UL	33	
40	81	3.15	186	1	DNG		AV6	+16.20	TEH	TEC	560UL	35	
40	87	4.34	184	1	DNG		AV6	+15.73	TEH	TEC	560UL	35	

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QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION			EXT	EXT	PROBE	CAL#	COMMENT1
40	89	5.06	183	1	DNG		AV6	+16.84		TEH	TEC	560UL	35	
40	91	3.97	182	P 1	DNT		07C	+0.25		TEH	TEC	560UL	35	
40	93	6.27	76	6	MBM		02C	+4.13		TEH	TEC	560UL	35	
40	95	2.31	82	6	MBM		02C	+2.79		TEH	TEC	560UL	37	
40	97	2.39	83	6	MBM		AV4	+10.85		TEH	TEC	560UL	37	
40	98	3.32	69	6	MBM		05H	-1.05		TEH	TEC	560UL	37	
		2.30	183	1	DNG		AV6	+16.84		TEH	TEC	560UL	37	
40	99	2.19	74	6	MBM		AV2	+13.34		TEH	TEC	560UL	37	
40	101	3.34	184	1	DNG		AV6	+17.58		TEH	TEC	560UL	37	
40	102	3.67	183	1	DNG		AV5	+36.72		TEH	TEC	560UL	37	
40	103	3.01	179	P 1	DNT		05C	+0.72		TEH	TEC	560UL	37	
		2.39	182	P 1	DNT		05C	+0.38		TEH	TEC	560UL	37	
		2.66	184	1	DNG		AV6	+17.12		TEH	TEC	560UL	37	
40	104	3.17	86	6	MBM		03H	+14.06		TEH	TEC	560UL	39	
		2.09	81	6	MBM		AV3	+6.33		TEH	TEC	560UL	39	
		4.75	80	6	MBM		AV4	+0.76	TO+12.0	TEH	TEC	560UL	39	
40	105	3.24	179	P 1	DNT		05C	+0.42		TEH	TEC	560UL	39	
		2.93	184	1	DNG		05C	+0.74		TEH	TEC	560UL	39	
40	106	2.72	178	P 1	DNT		05C	+0.45		TEH	TEC	560UL	39	
		2.78	181	1	DNG		05C	+0.81		TEH	TEC	560UL	39	
		2.25	180	1	DNG		06H	+32.82		TEH	TEC	560UL	39	
		2.51	79	6	MBM		AV3	+2.55		TEH	TEC	560UL	39	
41	18	2.44	184	P 1	DNT		07C	+0.31		TEH	TEC	560UL	26	
41	19	10.45	87	6	MBM		02H	+23.19		TEH	TEC	560UL	25	
		4.72	87	6	MBM		02H	+30.05		TEH	TEC	560UL	25	
		3.79	88	6	MBM		02H	+34.71		TEH	TEC	560UL	25	
		3.91	85	6	MBM		02H	+32.23		TEH	TEC	560UL	25	
		2.77	76	6	MBM		02H	+37.04		TEH	TEC	560UL	25	
		9.52	82	6	MBM		03H	+2.46		TEH	TEC	560UL	25	
		4.52	87	6	MBM		03H	+4.76		TEH	TEC	560UL	25	
		4.20	89	6	MBM		03H	+7.07		TEH	TEC	560UL	25	
		4.32	86	6	MBM		03H	+9.45		TEH	TEC	560UL	25	
		3.16	77	6	MBM		03H	+11.26		TEH	TEC	560UL	25	
		4.31	85	6	MBM		03H	+14.23		TEH	TEC	560UL	25	
41	23	15.53	79	6	MBM		05H	+21.75		TEH	TEC	560UL	25	
		0.22	0	P 2	TWD	17	AV2	+0.00		TEH	TEC	560UL	25	
		0.65	0	P 2	TWD	25	AV3	+0.00		TEH	TEC	560UL	25	
		0.56	0	P 2	TWD	23	AV4	+0.00		TEH	TEC	560UL	25	
41	26	2.49	87	6	MBM		02C	+31.10		TEH	TEC	560UL	25	
		6.82	89	6	MBM		02C	+28.59		TEH	TEC	560UL	25	
		4.89	86	6	MBM		02C	+25.37		TEH	TEC	560UL	25	
		0.34	0	P 2	TWD	20	AV3	+0.39		TEH	TEC	560UL	25	
		0.48	0	P 2	TWD	23	AV4	+0.11		TEH	TEC	560UL	25	
41	29	0.11	0	P 2	TWD	15	AV1	+0.00		TEH	TEC	560UL	25	
		0.76	0	P 2	TWD	26	AV4	+0.00		TEH	TEC	560UL	25	
	38	0.22	0	P 2	TWD	17	AV2	+0.00		TEH	TEC	560UL	25	
		0.15	0	P 2	TWD	15	AV4	-0.17		TEH	TEC	560UL	25	
41	40	0.34	0	P 2	TWD	19	AV2	+0.00		TEH	TEC	560UL	25	
		0.20	0	P 2	TWD	16	AV3	+0.00		TEH	TEC	560UL	25	
		0.19	0	P 2	TWD	16	AV4	+0.00		TEH	TEC	560UL	25	

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l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
		0.42	0	P 2	TWD	21	AV5	+0.00	TEH	TEC	560UL	25	
41	41	3.79	184	P 1	DNT		01C	+0.21	TEH	TEC	560UL	25	
41	44	0.16	0	P 2	TWD	18	AV4	+0.00	TEH	TEC	560UL	27	
41	48	2.70	79	6	MBM		02C	+8.54	TEH	TEC	560UL	27	
41	53	2.12	185	1	DNG		AV6	+22.07	TEH	TEC	560UL	27	
41	58	2.22	179	1	DNG		07C	-0.62	TEH	TEC	560UL	27	
41	77	2.60	188	1	DNG		AV1	+5.14	TEH	TEC	560UL	29	
41	78	2.02	188	1	DNG		06C	+38.50	TEH	TEC	560UL	31	
41	81	2.04	180	P 1	DNT		07C	+0.26	TEH	TEC	560UL	31	
41	83	2.51	88	6	MBM		02C	+18.83	TEH	TEC	560UL	31	
41	86	0.31	0	P 2	TWD	18	AV2	+0.00	TEH	TEC	560UL	31	
41	88	3.35	184	1	DNG		06H	+36.71	TEH	TEC	560UL	31	
41	92	2.61	178	P 1	DNT		07C	-0.47	TEH	TEC	560UL	31	
		3.52	179	P 1	DNT		07C	-0.73	TEH	TEC	560UL	31	
		2.13	188	1	DNG		07C	-1.09	TEH	TEC	560UL	31	
41	102	3.43	182	1	DNG		05C	+0.73	TEH	TEC	560UL	31	
		2.84	179	P 1	DNT		05C	+0.42	TEH	TEC	560UL	31	
41	103	2.67	179	P 1	DNT		07C	-0.65	TEH	TEC	560UL	31	
		4.84	182	1	DNG		05C	+0.75	TEH	TEC	560UL	31	
		4.34	179	P 1	DNT		05C	+0.44	TEH	TEC	560UL	31	
	104	2.93	183	1	DNG		05C	+0.68	TEH	TEC	560UL	31	
		3.65	180	P 1	DNT		05C	+0.39	TEH	TEC	560UL	31	
41	105	2.35	181	1	DNG		05C	+0.83	TEH	TEC	560UL	31	
		3.93	181	P 1	DNT		05C	+0.52	TEH	TEC	560UL	31	
42	24	0.22	0	P 2	TWD	16	AV3	+0.00	TEH	TEC	560UL	26	
		0.23	0	P 2	TWD	16	AV4	+0.00	TEH	TEC	560UL	26	
42	38	2.62	88	6	MBM		02H	+21.25	TEH	TEC	560UL	26	
		3.73	89	6	MBM		02H	+33.21	TEH	TEC	560UL	26	
		3.55	67	6	MBM		AV4	+12.36	TEH	TEC	560UL	26	
42	55	4.75	86	6	MBM		05C	+16.85	TEH	TEC	560UL	27	
		2.21	81	6	MBM		04C	+30.25	TEH	TEC	560UL	27	
42	56	3.01	183	1	DNG		03C	+29.27	TEH	TEC	560UL	28	
42	61	2.68	79	6	MBM		04C	+25.80	TEH	TEC	560UL	30	
42	70	2.81	85	6	MBM		FBC	+2.79	TEH	TEC	560UL	29	
42	78	2.71	185	1	DNG		06H	+36.62	TEH	TEC	560UL	31	
		3.51	187	1	DNG		06H	+37.57	TEH	TEC	560UL	31	
		2.43	181	P 1	DNT		07H	-0.07	TEH	TEC	560UL	31	
		4.14	182	P 1	DNT		07C	+0.30	TEH	TEC	560UL	31	
42	79	2.05	183	1	DNG		02H	+26.78	TEH	TEC	560UL	32	
		2.32	181	1	DNG		06H	+36.66	TEH	TEC	560UL	32	
		4.66	182	1	DNG		06H	+37.63	TEH	TEC	560UL	32	
		3.88	180	P 1	DNT		07C	+0.29	TEH	TEC	560UL	32	
		2.16	181	P 1	DNT		07C	-0.82	TEH	TEC	560UL	32	
		3.98	182	1	DNG		06C	+39.40	TEH	TEC	560UL	32	
		2.01	184	1	DNG		06C	+38.25	TEH	TEC	560UL	32	
	81	3.14	178	P 1	DNT		07H	+0.40	TEH	TEC	560UL	32	
		2.23	179	P 1	DNT		07H	+0.13	TEH	TEC	560UL	32	
42	83	2.44	180	P 1	DNT		07H	-0.67	TEH	TEC	560UL	32	
42	87	2.26	188	1	DNG		05C	+7.66	TEH	TEC	560UL	32	
42	89	0.28	0	P 2	TWD	19	AV1	+0.00	TEH	TEC	560UL	32	

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l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
		0.50	0	P 2	TWD	23	AV2	+0.00	TEH	TEC	560UL	32	
		0.87	0	P 2	TWD	28	AV3	+0.00	TEH	TEC	560UL	32	
		1.52	0	P 2	TWD	37	AV4	+0.00	TEH	TEC	560UL	32	
		0.81	0	P 2	TWD	27	AV5	+0.00	TEH	TEC	560UL	32	
42	91	2.09	181	P 1	DNT		07H	-0.51	TEH	TEC	560UL	32	
		5.68	181	P 1	DNT		07H	+0.33	TEH	TEC	560UL	32	
42	93	3.35	180	P 1	DNT		07H	-0.55	TEH	TEC	560UL	32	
		6.02	179	P 1	DNT		07H	+0.49	TEH	TEC	560UL	32	
		2.39	179	P 1	DNT		07C	+0.36	TEH	TEC	560UL	32	
42	94	0.23	0	P 2	TWD	18	AV3	+0.00	TEH	TEC	560UL	32	
		0.12	0	P 2	TWD	16	AV5	+0.00	TEH	TEC	560UL	32	
42	97	2.30	182	1	DNG		06H	+34.54	TEH	TEC	560UL	32	
		7.66	180	P 1	DNT		07C	+0.34	TEH	TEC	560UL	32	
		2.97	182	P 1	DNT		07C	-0.75	TEH	TEC	560UL	32	
42	99	2.18	78	6	MBM		01H	+14.48	TEH	TEC	560UL	32	
		3.08	83	6	MBM		02H	+13.92	TEH	TEC	560UL	32	
		2.15	179	P 1	DNT		07H	-0.55	TEH	TEC	560UL	32	
		5.47	180	P 1	DNT		07H	+0.31	TEH	TEC	560UL	32	
42	100	3.92	184	1	DNG		05C	+0.75	TEH	TEC	560UL	31	
		2.65	179	P 1	DNT		05C	+0.44	TEH	TEC	560UL	31	
	101	4.17	180	P 1	DNT		05C	+0.68	TEH	TEC	560UL	32	
		4.14	181	P 1	DNT		05C	+0.40	TEH	TEC	560UL	32	
		2.65	179	P 1	DNT		05C	-0.29	TEH	TEC	560UL	32	
		2.38	181	P 1	DNT		05C	-0.62	TEH	TEC	560UL	32	
42	102	4.62	179	P 1	DNT		05C	+0.73	TEH	TEC	560UL	32	
		6.13	180	P 1	DNT		05C	+0.42	TEH	TEC	560UL	32	
		3.48	178	P 1	DNT		05C	-0.27	TEH	TEC	560UL	32	
		3.16	179	P 1	DNT		05C	-0.57	TEH	TEC	560UL	32	
42	103	4.78	177	P 1	DNT		05C	+0.73	TEH	TEC	560UL	32	
		7.78	180	P 1	DNT		05C	+0.42	TEH	TEC	560UL	32	
		4.72	177	P 1	DNT		05C	-0.29	TEH	TEC	560UL	32	
		5.53	179	P 1	DNT		05C	-0.57	TEH	TEC	560UL	32	
42	104	2.06	179	P 1	DNT		04C	-0.46	TEH	TEC	560UL	32	
		4.40	178	P 1	DNT		05C	+0.75	TEH	TEC	560UL	32	
		7.48	180	P 1	DNT		05C	+0.46	TEH	TEC	560UL	32	
		4.86	177	P 1	DNT		05C	-0.29	TEH	TEC	560UL	32	
		5.11	179	P 1	DNT		05C	-0.60	TEH	TEC	560UL	32	
		2.56	179	P 1	DNT		07C	+0.40	TEH	TEC	560UL	32	
		2.97	182	P 1	DNT		07C	-0.66	TEH	TEC	560UL	32	
43	20	11.28	178	P 1	DNT		07C	+0.34	TEH	TEC	560UL	25	
43	22	2.27	181	P 1	DNT		07C	+0.37	TEH	TEC	560UL	25	
43	25	0.34	0	P 2	TWD	19	AV2	+0.02	TEH	TEC	560UL	26	
		0.29	0	P 2	TWD	18	AV3	+0.00	TEH	TEC	560UL	26	
		0.64	0	P 2	TWD	24	AV4	-0.40	TEH	TEC	560UL	26	
		0.66	0	P 2	TWD	25	AV5	+0.40	TEH	TEC	560UL	26	
	28	0.14	0	P 2	TWD	15	AV2	+0.00	TEH	TEC	560UL	25	
		0.27	0	P 2	TWD	18	AV3	+0.00	TEH	TEC	560UL	25	
43	31	4.04	79	6	MBM		05H	+6.86	TEH	TEC	560UL	26	
43	34	4.00	183	P 1	DNT		07C	+0.45	TEH	TEC	560UL	25	
43	43	2.84	182	1	DNG		06H	+32.52	TEH	TEC	560UL	26	

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QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
43	47	2.41	188	1	DNG		02C	+33.01	TEH	TEC	560UL	27	
43	49	3.05	88	6	MBM		FBC	+3.82	TEH	TEC	560UL	27	
		3.55	83	6	MBM		FBC	+2.00	TEH	TEC	560UL	27	
43	54	4.46	82	6	MBM		AV3	+9.32	TEH	TEC	560UL	27	
43	59	2.27	85	6	MBM		01H	+31.01	TEH	TEC	560UL	23	
43	75	3.76	62	6	MBM		FBH	+1.99	TEH	TEC	560UL	29	
43	78	4.83	181	P 1	DNT		07C	+0.29	TEH	TEC	560UL	32	
		2.71	182	P 1	DNT		07C	-0.78	TEH	TEC	560UL	32	
43	81	2.13	184	P 1	DNT		07C	+0.30	TEH	TEC	560UL	31	
43	83	2.85	188	1	DNG		04C	+1.55	TEH	TEC	560UL	31	
43	87	2.34	182	P 1	DNT		03C	+0.00	TEH	TEC	560UL	31	
43	91	3.66	178	P 1	DNT		07H	-0.64	TEH	TEC	560UL	31	
		4.02	183	P 1	DNT		07H	+0.47	TEH	TEC	560UL	31	
43	92	3.65	180	P 1	DNT		07H	+0.31	TEH	TEC	560UL	32	
		3.22	83	6	MBM		01C	+26.38	TEH	TEC	560UL	32	
		3.48	89	6	MBM		TSC	+9.33	TEH	TEC	560UL	32	
43	96	3.67	181	P 1	DNT		07H	+0.38	TEH	TEC	560UL	32	
43	98	2.48	182	P 1	DNT		05C	+0.74	TEH	TEC	560UL	31	
43	99	2.11	180	P 1	DNT		05C	+0.74	TEH	TEC	560UL	31	
		2.46	180	P 1	DNT		05C	+0.38	TEH	TEC	560UL	31	
		2.46	179	P 1	DNT		05C	-0.30	TEH	TEC	560UL	31	
43	100	2.56	177	P 1	DNT		05C	+0.73	TEH	TEC	560UL	32	
		4.14	180	P 1	DNT		05C	+0.42	TEH	TEC	560UL	32	
		3.21	176	P 1	DNT		05C	-0.29	TEH	TEC	560UL	32	
		3.61	179	P 1	DNT		05C	-0.57	TEH	TEC	560UL	32	
43	101	4.70	181	1	DNG		05C	+0.78	TEH	TEC	560UL	31	
		6.28	181	P 1	DNT		05C	+0.47	TEH	TEC	560UL	31	
		3.03	182	P 1	DNT		05C	-0.32	TEH	TEC	560UL	31	
		4.59	180	P 1	DNT		05C	-0.61	TEH	TEC	560UL	31	
43	102	5.60	184	1	DNG		05C	+0.65	TEH	TEC	560UL	31	
		10.78	181	P 1	DNT		05C	+0.39	TEH	TEC	560UL	31	
		5.13	180	P 1	DNT		05C	-0.26	TEH	TEC	560UL	31	
		5.84	183	P 1	DNT		05C	-0.52	TEH	TEC	560UL	31	
43	103	3.11	181	1	DNG		07C	-0.63	TEH	TEC	560UL	31	
		8.05	180	1	DNG		05C	+0.73	TEH	TEC	560UL	31	
		9.97	180	P 1	DNT		05C	+0.44	TEH	TEC	560UL	31	
		5.95	178	P 1	DNT		05C	-0.29	TEH	TEC	560UL	31	
		9.26	178	P 1	DNT		05C	-0.58	TEH	TEC	560UL	31	
		2.94	183	1	DNG		04C	+0.73	TEH	TEC	560UL	31	
		2.28	179	P 1	DNT		04C	-0.36	TEH	TEC	560UL	31	
44	23	3.11	89	6	MBM		05C	+4.74	TEH	TEC	560UL	25	
		2.16	182	P 1	DNT		07C	+0.34	TEH	TEC	560UL	25	
44	25	2.33	81	6	MBM		01C	+22.14	TEH	TEC	560UL	25	
44	27	3.43	80	6	MBM		05H	+11.87	TEH	TEC	560UL	26	
		2.48	182	1	DNG		06H	+31.43	TEH	TEC	560UL	26	
	30	2.17	83	6	MBM		01H	+1.97	TEH	TEC	560UL	26	
	34	2.27	185	1	DNG		02H	+2.93	TEH	TEC	560UL	26	
44	44	2.72	86	6	MBM		01H	+13.14	TEH	TEC	560UL	28	
		2.11	82	6	MBM		01H	+15.86	TEH	TEC	560UL	28	
		5.17	87	6	MBM		01H	+30.76	TEH	TEC	560UL	28	

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QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
44	61	5.21	78	6	MBM		05C	+5.39	TEH	TEC	560UL	30	
44	67	0.23	0	P 2	TWD	17	AV1	+0.00	TEH	TEC	560UL	30	
		0.15	0	P 2	TWD	15	AV3	+0.00	TEH	TEC	560UL	30	
44	73	2.38	183	1	DNG		06H	+31.37	TEH	TEC	560UL	30	
44	75	7.40	179	P 1	DNT		07C	+0.36	TEH	TEC	560UL	30	
44	76	2.01	181	P 1	DNT		07H	-0.70	TEH	TEC	560UL	30	
		2.03	181	P 1	DNT		07H	-0.14	TEH	TEC	560UL	30	
		4.36	181	P 1	DNT		07H	+0.47	TEH	TEC	560UL	30	
		4.19	182	1	DNG		06C	+29.32	TEH	TEC	560UL	30	
44	79	5.52	180	P 1	DNT		07C	+0.31	TEH	TEC	560UL	32	
		2.14	178	P 1	DNT		07C	-0.73	TEH	TEC	560UL	32	
		14.45	180	1	DNG		06C	+33.22	TEH	TEC	560UL	32	
		3.74	183	1	DNG		06C	+32.00	TEH	TEC	560UL	32	
44	81	6.26	180	P 1	DNT		07C	+0.83	TEH	TEC	560UL	32	
		2.61	182	P 1	DNT		07C	-0.20	TEH	TEC	560UL	32	
		3.71	182	P 1	DNT		07H	-0.82	TEH	TEC	560UL	32	
44	84	2.51	81	6	MBM		05C	+19.80	TEH	TEC	560UL	32	
44	90	4.76	182	1	DNG		06H	+14.93	TEH	TEC	560UL	32	
44	91	4.99	180	P 1	DNT		07H	-0.20	TEH	TEC	560UL	32	
		2.65	182	1	DNG		06H	+39.33	TEH	TEC	560UL	32	
	93	2.54	79	6	MBM		06C	+14.11	TEH	TEC	560UL	32	
44	95	2.84	74	6	MBM		06C	+24.19	TEH	TEC	560UL	32	
		5.63	77	6	MBM		06C	+21.53	TEH	TEC	560UL	32	
44	96	3.73	182	P 1	DNT		07C	+0.38	TEH	TEC	560UL	31	
		2.59	182	P 1	DNT		07C	-0.68	TEH	TEC	560UL	31	
		2.59	178	P 1	DNT		05C	+0.74	TEH	TEC	560UL	31	
44	97	3.39	68	6	MBM		01H	+25.87	TEH	TEC	560UL	32	
		4.90	177	P 1	DNT		05C	+0.73	TEH	TEC	560UL	32	
		4.28	179	P 1	DNT		05C	+0.42	TEH	TEC	560UL	32	
44	98	5.66	179	P 1	DNT		05C	+0.75	TEH	TEC	560UL	32	
		6.25	180	P 1	DNT		05C	+0.44	TEH	TEC	560UL	32	
		2.85	180	P 1	DNT		05C	-0.31	TEH	TEC	560UL	32	
		2.49	180	P 1	DNT		05C	-0.60	TEH	TEC	560UL	32	
		3.86	179	P 1	DNT		07H	+0.40	TEH	TEC	560UL	32	
44	99	4.94	180	P 1	DNT		05C	-0.59	TEH	TEC	560UL	32	
		2.02	176	P 1	DNT		04C	+0.70	TEH	TEC	560UL	32	
		4.24	178	P 1	DNT		05C	+0.73	TEH	TEC	560UL	32	
		5.36	182	P 1	DNT		05C	+0.42	TEH	TEC	560UL	32	
		3.07	179	P 1	DNT		05C	-0.29	TEH	TEC	560UL	32	
44	100	6.56	178	P 1	DNT		05C	+0.70	TEH	TEC	560UL	31	
		9.26	180	P 1	DNT		05C	+0.42	TEH	TEC	560UL	31	
		5.55	180	P 1	DNT		05C	-0.29	TEH	TEC	560UL	31	
		8.52	180	P 1	DNT		05C	-0.52	TEH	TEC	560UL	31	
		2.25	180	P 1	DNT		04C	+0.67	TEH	TEC	560UL	31	
44	101	2.38	182	P 1	DNT		04C	+0.66	TEH	TEC	560UL	32	
		3.78	180	P 1	DNT		04C	-0.42	TEH	TEC	560UL	32	
		5.92	177	P 1	DNT		05C	+0.71	TEH	TEC	560UL	32	
		8.43	180	P 1	DNT		05C	+0.42	TEH	TEC	560UL	32	
		7.82	178	P 1	DNT		05C	-0.31	TEH	TEC	560UL	32	
		12.65	179	P 1	DNT		05C	-0.57	TEH	TEC	560UL	32	

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QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
		2.24	177	P 1	DNT		07C	+0.40	TEH	TEC	560UL	32	
44	102	2.12	180	P 1	DNT		04C	+0.75	TEH	TEC	560UL	32	
		3.55	179	P 1	DNT		04C	-0.46	TEH	TEC	560UL	32	
		7.34	177	P 1	DNT		05C	+0.73	TEH	TEC	560UL	32	
		10.41	179	P 1	DNT		05C	+0.46	TEH	TEC	560UL	32	
		6.92	178	P 1	DNT		05C	-0.33	TEH	TEC	560UL	32	
		12.27	179	P 1	DNT		05C	-0.62	TEH	TEC	560UL	32	
		3.77	178	P 1	DNT		07C	+0.45	TEH	TEC	560UL	32	
		2.28	179	P 1	DNT		07C	-0.71	TEH	TEC	560UL	32	
45	23	3.24	80	6	MBM		03H	+32.87	TEH	TEC	560UL	26	
45	25	2.15	183	1	DNG		02H	+18.73	TEH	TEC	560UL	26	
		5.94	87	6	MBM		02H	+6.24	TEH	TEC	560UL	26	
45	28	0.35	0	P 2	TWD	19	AV4	+0.00	TEH	TEC	560UL	25	
		0.33	0	P 2	TWD	19	AV5	+0.00	TEH	TEC	560UL	25	
		0.41	0	P 2	TWD	20	AV2	+0.00	TEH	TEC	560UL	25	
		0.33	0	P 2	TWD	19	AV3	+0.00	TEH	TEC	560UL	25	
45	30	0.14	0	P 2	TWD	16	AV4	+0.00	TEH	TEC	560UL	25	
		0.17	0	P 2	TWD	16	AV3	+0.13	TEH	TEC	560UL	25	
45	31	3.33	181	P 1	DNT		07C	+0.36	TEH	TEC	560UL	26	
		2.62	184	1	DNG		06H	+39.19	TEH	TEC	560UL	26	
		2.27	83	6	MBM		01C	+15.88	TEH	TEC	560UL	26	
45	34	0.14	0	P 2	TWD	15	AV4	-0.51	TEH	TEC	560UL	25	
45	38	2.48	72	6	MBM		01C	+10.27	TEH	TEC	560UL	25	
45	42	0.15	0	P 2	TWD	16	AV2	+0.00	TEH	TEC	560UL	25	
		0.29	0	P 2	TWD	18	AV3	+0.00	TEH	TEC	560UL	25	
45	46	2.57	185	1	DNG		07H	+9.79	TEH	TEC	560UL	27	
45	52	4.21	182	1	DNG		06H	+26.85	TEH	TEC	560UL	27	
		3.56	186	1	DNG		06H	+27.99	TEH	TEC	560UL	27	
		6.49	180	1	DNG		07H	-0.63	TEH	TEC	560UL	27	
		5.95	181	P 1	DNT		07H	+0.43	TEH	TEC	560UL	27	
45	57	2.45	88	6	MBM		02H	+1.63	TEH	TEC	560UL	28	
45	64	3.64	71	6	MBM		02C	+39.04	TEH	TEC	560UL	30	
45	68	6.88	79	6	MBM		FBC	+4.84	TEH	TEC	560UL	30	
45	70	4.06	179	1	DNG		06C	+39.95	TEH	TEC	560UL	30	
45	76	2.10	182	1	DNG		07H	-1.18	TEH	TEC	560UL	29	
		6.50	182	P 1	DNT		07C	+0.30	TEH	TEC	560UL	29	
		3.05	189	1	DNG		07C	-0.75	TEH	TEC	560UL	29	
		5.48	185	1	DNG		06C	+38.33	TEH	TEC	560UL	29	
		2.89	185	1	DNG		06C	+37.24	TEH	TEC	560UL	29	
45	77	3.47	182	P 1	DNT		07C	+0.30	TEH	TEC	560UL	29	
		2.74	184	1	DNG		07C	-0.75	TEH	TEC	560UL	29	
45	78	3.61	178	P 1	DNT		07C	+0.31	TEH	TEC	560UL	32	
45	81	2.13	184	1	DNG		06H	+31.29	TEH	TEC	560UL	31	
		3.33	186	1	DNG		06H	+32.32	TEH	TEC	560UL	31	
		2.22	178	1	DNG		07H	-0.69	TEH	TEC	560UL	31	
		2.88	181	P 1	DNT		07H	+0.58	TEH	TEC	560UL	31	
		5.97	180	P 1	DNT		07C	+0.34	TEH	TEC	560UL	31	
		2.98	184	1	DNG		07C	-0.75	TEH	TEC	560UL	31	
45	82	2.13	178	P 1	DNT		07C	+0.02	TEH	TEC	560UL	32	
45	84	2.16	71	6	MBM		03H	+3.46	TEH	TEC	560UL	31	

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QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
		2.42	185	1	DNG		07C	-1.18	TEH	TEC	560UL	31	
		2.01	182	1	DNG		06C	+38.33	TEH	TEC	560UL	31	
45	85	4.01	191	1	DNG		AV5	+7.03	TEH	TEC	560UL	31	
		5.01	181	P 1	DNT		07C	+0.30	TEH	TEC	560UL	31	
		2.57	181	P 1	DNT		07C	-0.75	TEH	TEC	560UL	31	
45	90	3.53	83	6	MBM		04C	+23.67	TEH	TEC	560UL	31	
45	91	2.01	182	P 1	DNT		07H	+0.21	TEH	TEC	560UL	31	
45	92	3.54	88	6	MBM		05C	+38.85	TEH	TEC	560UL	32	
45	93	2.43	180	P 1	DNT		07C	+0.30	TEH	TEC	560UL	31	
45	95	4.64	185	1	DNG		06H	+25.05	TEH	TEC	560UL	31	
		2.63	180	1	DNG		06H	+25.55	TEH	TEC	560UL	31	
		3.41	180	P 1	DNT		07C	+0.32	TEH	TEC	560UL	31	
		2.72	183	1	DNG		06C	+38.30	TEH	TEC	560UL	31	
45	96	2.63	179	P 1	DNT		05C	+0.73	TEH	TEC	560UL	32	
		2.06	178	P 1	DNT		05C	+0.40	TEH	TEC	560UL	32	
45	97	2.95	184	P 1	DNT		07C	+0.32	TEH	TEC	560UL	31	
		4.32	181	P 1	DNT		05C	+0.72	TEH	TEC	560UL	31	
		6.18	180	P 1	DNT		05C	+0.38	TEH	TEC	560UL	31	
		2.27	180	P 1	DNT		04C	+0.62	TEH	TEC	560UL	31	
		2.01	186	1	DNG		07C	-0.72	TEH	TEC	560UL	31	
	98	4.64	181	P 1	DNT		05C	-0.60	TEH	TEC	560UL	31	
		2.15	181	P 1	DNT		02H	+0.74	TEH	TEC	560UL	31	
		7.47	178	P 1	DNT		05C	+0.74	TEH	TEC	560UL	31	
		9.75	180	P 1	DNT		05C	+0.45	TEH	TEC	560UL	31	
		5.81	179	P 1	DNT		05C	-0.30	TEH	TEC	560UL	31	
		2.99	181	P 1	DNT		04C	+0.62	TEH	TEC	560UL	31	
		2.74	181	P 1	DNT		04C	-0.38	TEH	TEC	560UL	31	
45	99	3.84	180	P 1	DNT		05C	+0.70	TEH	TEC	560UL	31	
		6.00	183	P 1	DNT		05C	+0.40	TEH	TEC	560UL	31	
		3.46	182	P 1	DNT		05C	-0.30	TEH	TEC	560UL	31	
		6.01	180	P 1	DNT		05C	-0.60	TEH	TEC	560UL	31	
		4.15	182	P 1	DNT		04C	+0.66	TEH	TEC	560UL	31	
		3.65	184	P 1	DNT		04C	-0.38	TEH	TEC	560UL	31	
		3.41	87	6	MBM		01H	+9.82	TEH	TEC	560UL	31	
45	100	3.89	182	P 1	DNT		02H	-0.28	TEH	TEC	560UL	32	
		3.48	181	P 1	DNT		02H	+0.74	TEH	TEC	560UL	32	
		7.90	178	P 1	DNT		05C	+0.71	TEH	TEC	560UL	32	
		8.89	181	P 1	DNT		05C	+0.42	TEH	TEC	560UL	32	
		6.87	179	P 1	DNT		05C	-0.35	TEH	TEC	560UL	32	
		11.83	180	P 1	DNT		05C	-0.62	TEH	TEC	560UL	32	
		3.83	182	P 1	DNT		04C	+0.73	TEH	TEC	560UL	32	
		3.99	182	P 1	DNT		04C	-0.42	TEH	TEC	560UL	32	
		3.05	183	P 1	DNT		07C	+0.33	TEH	TEC	560UL	32	
		2.12	182	P 1	DNT		07C	-0.71	TEH	TEC	560UL	32	
45	101	2.50	182	P 1	DNT		02H	-0.26	TEH	TEC	560UL	31	
		7.40	181	1	DNG		05C	+0.70	TEH	TEC	560UL	31	
		5.87	180	P 1	DNT		05C	+0.47	TEH	TEC	560UL	31	
		7.88	179	P 1	DNT		05C	-0.37	TEH	TEC	560UL	31	
		12.46	179	P 1	DNT		05C	-0.55	TEH	TEC	560UL	31	
		4.71	181	P 1	DNT		04C	-0.36	TEH	TEC	560UL	31	

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QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
		2.45	179	P 1	DNT		04C	+0.63	TEH	TEC	560UL	31	
		4.20	185	1	DNG		02H	+0.68	TEH	TEC	560UL	31	
46	24	3.55	87	6	MBM		01H	+17.63	TEH	TEC	560UL	25	
		0.22	0	P 2	TWD	17	AV1	+0.00	TEH	TEC	560UL	25	
46	25	0.18	0	P 2	TWD	16	AV5	+0.00	TEH	TEC	560UL	25	
46	35	2.26	182	1	DNG		AV6	+19.56	TEH	TEC	560UL	26	
		2.45	181	1	DNG		AV6	+19.85	TEH	TEC	560UL	26	
46	37	4.97	183	1	DNG		06C	+39.22	TEH	TEC	560UL	26	
46	40	3.92	80	6	MBM		06C	+5.76	TEH	TEC	560UL	26	
46	41	0.13	0	P 2	TWD	15	AV1	+0.11	TEH	TEC	560UL	26	
		0.18	0	P 2	TWD	16	AV3	+0.02	TEH	TEC	560UL	26	
		0.17	0	P 2	TWD	16	AV4	+0.00	TEH	TEC	560UL	26	
46	43	3.49	87	6	MBM		AV5	+15.40	TEH	TEC	560UL	25	
46	44	0.15	20	P 2	TWD	16	AV3	+0.00	TEH	TEC	560UL	27	
46	45	0.34	0	P 2	TWD	20	AV1	+0.00	TEH	TEC	560UL	27	
		0.85	0	P 2	TWD	29	AV3	+0.00	TEH	TEC	560UL	27	
		0.16	0	P 2	TWD	16	AV4	+0.00	TEH	TEC	560UL	27	
		0.19	170	P 2	TWD	17	AV6	+0.00	TEH	TEC	560UL	27	
46	47	2.43	176	P 1	DNT		07H	+0.54	TEH	TEC	560UL	28	
46	48	2.58	179	1	DNG		06C	+17.58	TEH	TEC	560UL	28	
		2.34	178	1	DNG		06C	+14.66	TEH	TEC	560UL	28	
46	49	3.12	76	6	MBM		03C	+38.89	TEH	TEC	560UL	28	
46	50	7.33	178	P 1	DNT		07C	+0.44	TEH	TEC	560UL	28	
		0.18	0	P 2	TWD	16	AV6	+0.00	TEH	TEC	560UL	28	
		0.46	0	P 2	TWD	22	AV5	+0.00	TEH	TEC	560UL	28	
		0.77	0	P 2	TWD	27	AV4	+0.00	TEH	TEC	560UL	28	
		0.90	0	P 2	TWD	29	AV3	0.00	TEH	TEC	560UL	28	
		0.38	0	P 2	TWD	20	AV2	+0.00	TEH	TEC	560UL	28	
		0.09	0	P 2	TWD	15	AV1	+0.00	TEH	TEC	560UL	28	
46	52	2.83	177	P 1	DNT		07C	+0.45	TEH	TEC	560UL	28	
46	54	0.18	0	P 2	TWD	17	AV4	+0.00	TEH	TEC	560UL	28	
		0.32	0	P 2	TWD	19	AV3	+0.00	TEH	TEC	560UL	28	
		0.34	0	P 2	TWD	19	AV2	+0.00	TEH	TEC	560UL	28	
46	59	3.57	186	1	DNG		07H	+24.97	TEH	TEC	560UL	24	
46	70	2.62	88	6	MBM		06C	+26.33	TEH	TEC	560UL	29	
46	73	7.59	179	P 1	DNT		07C	+0.29	TEH	TEC	560UL	30	
		2.71	182	1	DNG		06C	+39.88	TEH	TEC	560UL	30	
46	77	3.34	180	P 1	DNT		07C	+0.29	TEH	TEC	560UL	30	
46	79	3.33	180	P 1	DNT		07H	+0.40	TEH	TEC	560UL	32	
46	81	0.68	0	P 2	TWD	25	AV3	+0.00	TEH	TEC	560UL	32	
		0.19	0	P 2	TWD	17	AV5	+0.00	TEH	TEC	560UL	32	
46	82	3.68	184	1	DNG		06H	+38.41	TEH	TEC	560UL	31	
		2.02	180	P 1	DNT		07H	-0.60	TEH	TEC	560UL	31	
		3.70	187	1	DNG		06H	+39.51	TEH	TEC	560UL	31	
46	83	0.06	0	P 2	TWD	15	AV1	+0.00	TEH	TEC	560UL	32	
		0.38	0	P 2	TWD	20	AV2	+0.00	TEH	TEC	560UL	32	
		0.52	0	P 2	TWD	23	AV3	+0.00	TEH	TEC	560UL	32	
		0.33	0	P 2	TWD	20	AV4	+0.00	TEH	TEC	560UL	32	
		0.14	0	P 2	TWD	16	AV5	+0.00	TEH	TEC	560UL	32	
46	87	2.32	80	6	MBM		AV6	+3.82	TEH	TEC	560UL	32	

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QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
46	90	2.78	78	6	MBM		04H	+19.00	TEH	TEC	560UL	32	
46	91	3.32	181	P 1	DNT		07H	+0.24	TEH	TEC	560UL	32	
46	92	2.45	178	P 1	DNT		07H	-0.67	TEH	TEC	560UL	31	
		2.44	183	P 1	DNT		07H	+0.49	TEH	TEC	560UL	31	
46	95	2.99	182	1	DNG		06C	+29.24	TEH	TEC	560UL	32	
46	96	2.16	181	P 1	DNT		05C	-0.59	TEH	TEC	560UL	31	
		3.77	180	P 1	DNT		05C	+0.72	TEH	TEC	560UL	31	
46	97	2.16	182	P 1	DNT		04C	-0.46	TEH	TEC	560UL	32	
		3.77	182	P 1	DNT		04C	+0.62	TEH	TEC	560UL	32	
		5.56	179	P 1	DNT		05C	+0.73	TEH	TEC	560UL	32	
		5.62	181	P 1	DNT		05C	+0.42	TEH	TEC	560UL	32	
		2.85	180	P 1	DNT		05C	-0.33	TEH	TEC	560UL	32	
		3.06	181	P 1	DNT		05C	-0.62	TEH	TEC	560UL	32	
		3.89	181	P 1	DNT		07C	+0.34	TEH	TEC	560UL	32	
		2.61	182	P 1	DNT		07C	-0.73	TEH	TEC	560UL	32	
		3.26	181	P 1	DNT		07H	+0.46	TEH	TEC	560UL	32	
46	98	2.07	184	P 1	DNT		02H	-0.31	TEH	TEC	560UL	32	
		3.02	180	P 1	DNT		02H	+0.77	TEH	TEC	560UL	32	
		8.99	177	P 1	DNT		05C	+0.73	TEH	TEC	560UL	32	
		9.56	180	P 1	DNT		05C	+0.44	TEH	TEC	560UL	32	
		5.00	179	P 1	DNT		05C	-0.33	TEH	TEC	560UL	32	
		6.44	180	P 1	DNT		05C	-0.64	TEH	TEC	560UL	32	
		3.44	181	P 1	DNT		04C	+0.64	TEH	TEC	560UL	32	
		2.91	180	P 1	DNT		04C	-0.40	TEH	TEC	560UL	32	
46	99	2.23	61	6	MBM		AV3	+5.89	TEH	TEC	560UL	32	
		2.00	180	P 1	DNT		07C	+0.36	TEH	TEC	560UL	32	
		3.65	179	P 1	DNT		05C	+0.69	TEH	TEC	560UL	32	
		7.00	181	P 1	DNT		05C	+0.38	TEH	TEC	560UL	32	
		4.56	179	P 1	DNT		05C	-0.35	TEH	TEC	560UL	32	
		10.33	178	P 1	DNT		05C	-0.62	TEH	TEC	560UL	32	
		7.42	179	P 1	DNT		04C	+0.70	TEH	TEC	560UL	32	
		3.31	182	P 1	DNT		04C	-0.42	TEH	TEC	560UL	32	
47	25	2.05	78	6	MBM		AV6	+4.55	TEH	TEC	560UL	26	
47	32	0.32	0	P 2	TWD	19	AV1	+0.00	TEH	TEC	560UL	25	
		0.27	0	P 2	TWD	18	AV2	+0.00	TEH	TEC	560UL	25	
		0.28	0	P 2	TWD	18	AV3	+0.00	TEH	TEC	560UL	25	
		0.13	0	P 2	TWD	15	AV4	+0.00	TEH	TEC	560UL	25	
		0.37	0	P 2	TWD	20	AV5	+0.00	TEH	TEC	560UL	25	
47	34	0.71	0	P 2	TWD	25	AV2	+0.00	TEH	TEC	560UL	25	
		0.84	0	P 2	TWD	28	AV3	+0.00	TEH	TEC	560UL	25	
		1.40	0	P 2	TWD	35	AV4	+0.00	TEH	TEC	560UL	25	
		0.58	0	P 2	TWD	23	AV5	+0.00	TEH	TEC	560UL	25	
47	36	0.12	0	P 2	TWD	15	AV1	+0.00	TEH	TEC	560UL	25	
		0.26	0	P 2	TWD	18	AV3	+0.00	TEH	TEC	560UL	25	
		0.23	0	P 2	TWD	17	AV4	+0.00	TEH	TEC	560UL	25	
		0.37	0	P 2	TWD	20	AV5	+0.00	TEH	TEC	560UL	25	
47	37	2.32	181	P 1	DNT		07C	+0.39	TEH	TEC	560UL	25	
47	40	0.13	0	P 2	TWD	15	AV1	+0.00	TEH	TEC	560UL	25	
		0.13	0	P 2	TWD	15	AV2	+0.00	TEH	TEC	560UL	25	
		0.21	0	P 2	TWD	17	AV3	+0.00	TEH	TEC	560UL	25	

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QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
47	43	3.17	183	1	DNG		06H	+36.02	TEH	TEC	560UL	26	
		0.47	0	P 2	TWD	21	AV2	+0.27	TEH	TEC	560UL	26	
		0.37	0	P 2	TWD	19	AV3	-0.04	TEH	TEC	560UL	26	
		0.65	0	P 2	TWD	24	AV4	+0.00	TEH	TEC	560UL	26	
		0.46	0	P 2	TWD	21	AV5	-0.02	TEH	TEC	560UL	26	
47	44	0.13	0	P 2	TWD	16	AV6	+0.00	TEH	TEC	560UL	28	
		0.60	0	P 2	TWD	24	AV5	+0.00	TEH	TEC	560UL	28	
		0.61	0	P 2	TWD	24	AV4	+0.00	TEH	TEC	560UL	28	
		0.57	0	P 2	TWD	24	AV3	+0.00	TEH	TEC	560UL	28	
		0.34	0	P 2	TWD	20	AV2	+0.00	TEH	TEC	560UL	28	
47	46	2.29	183	P 1	DNT		07H	+0.47	TEH	TEC	560UL	27	
47	49	0.21	0	P 2	TWD	19	AV2	+0.00	TEH	TEC	560UL	27	
		0.17	0	P 2	TWD	18	AV3	+0.00	TEH	TEC	560UL	27	
		0.57	0	P 2	TWD	24	AV4	+0.00	TEH	TEC	560UL	27	
		0.34	0	P 2	TWD	21	AV5	+0.00	TEH	TEC	560UL	27	
		0.13	0	P 2	TWD	18	AV6	+0.00	TEH	TEC	560UL	27	
47	50	0.13	0	P 2	TWD	18	AV2	+0.00	TEH	TEC	560UL	27	
		0.27	0	P 2	TWD	20	AV4	+0.00	TEH	TEC	560UL	27	
		0.52	0	P 2	TWD	24	AV5	+0.00	TEH	TEC	560UL	27	
		0.12	0	P 2	TWD	17	AV6	+0.00	TEH	TEC	560UL	27	
	52	0.13	0	P 2	TWD	18	AV1	-0.11	TEH	TEC	560UL	27	
47	54	0.13	0	P 2	TWD	16	AV5	+0.00	TEH	TEC	560UL	27	
47	55	2.23	86	6	MBM		04H	+14.91	TEH	TEC	560UL	28	
47	56	0.17	0	P 2	TWD	18	AV2	+0.00	TEH	TEC	560UL	27	
		0.13	0	P 2	TWD	18	AV3	+0.00	TEH	TEC	560UL	27	
47	57	3.05	183	1	DNG		02H	+17.71	TEH	TEC	560UL	28	
		3.06	83	6	MBM		03H	+20.79	TEH	TEC	560UL	28	
47	61	0.28	0	P 2	TWD	19	AV2	+0.00	TEH	TEC	560UL	29	
		0.45	0	P 2	TWD	22	AV3	+0.02	TEH	TEC	560UL	29	
		0.42	0	P 2	TWD	22	AV4	+0.00	TEH	TEC	560UL	29	
		0.15	0	P 2	TWD	17	AV5	-0.02	TEH	TEC	560UL	29	
47	68	2.23	182	1	DNG		01H	+30.80	TEH	TEC	560UL	30	
47	71	4.02	186	1	DNG		06H	+3.20	TEH	TEC	560UL	29	
47	72	2.88	182	P 1	DNT		07H	+0.42	TEH	TEC	560UL	30	
47	75	2.41	184	1	DNG		06H	+15.04	TEH	TEC	560UL	29	
		3.45	188	1	DNG		FBC	+5.83	TEH	TEC	560UL	29	
47	76	2.80	184	1	DNG		06H	+8.85	TEH	TEC	560UL	29	
		2.31	188	1	DNG		06C	+37.53	TEH	TEC	560UL	29	
		2.11	184	P 1	DNT		07H	+0.54	TEH	TEC	560UL	29	
47	79	5.38	182	P 1	DNT		07C	+0.36	TEH	TEC	560UL	31	
47	81	2.42	190	1	DNG		01H	+37.67	TEH	TEC	560UL	31	
47	83	2.59	89	6	MBM		01C	+16.99	TEH	TEC	560UL	31	
47	85	2.25	76	6	MBM		04C	+17.87	TEH	TEC	560UL	31	
47	88	4.35	177	P 1	DNT		07H	+0.57	TEH	TEC	560UL	31	
		0.38	0	P 2	TWD	20	AV5	+0.00	TEH	TEC	560UL	31	
		0.33	0	P 2	TWD	19	AV4	+0.00	TEH	TEC	560UL	31	
[illegible]	95	2.49	178	P 1	DNT		07C	-0.73	TEH	TEC	560UL	31	
		2.27	181	P 1	DNT		05C	+0.78	TEH	TEC	560UL	31	
47	96	2.87	178	P 1	DNT		04C	+0.64	TEH	TEC	560UL	32	
		4.01	179	P 1	DNT		05C	+0.73	TEH	TEC	560UL	32	

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1 Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
		2.34	179	P 1	DNT		05C	+0.44	TEH	TEC	560UL	32	
		3.74	180	P 1	DNT		05C	-0.62	TEH	TEC	560UL	32	
		2.55	179	P 1	DNT		07C	+0.29	TEH	TEC	560UL	32	
		4.98	180	P 1	DNT		07C	-0.71	TEH	TEC	560UL	32	
47	97	8.02	181	P 1	DNT		07C	+0.41	TEH	TEC	560UL	31	
		4.94	184	P 1	DNT		07C	-0.68	TEH	TEC	560UL	31	
		2.96	181	P 1	DNT		04C	+0.70	TEH	TEC	560UL	31	
		4.38	181	P 1	DNT		05C	+0.72	TEH	TEC	560UL	31	
		5.16	180	P 1	DNT		05C	+0.45	TEH	TEC	560UL	31	
		2.88	183	P 1	DNT		05C	-0.30	TEH	TEC	560UL	31	
47	98	2.18	180	P 1	DNT		07C	-0.66	TEH	TEC	560UL	31	
		9.14	178	P 1	DNT		05C	+0.72	TEH	TEC	560UL	31	
		5.49	178	P 1	DNT		05C	-0.34	TEH	TEC	560UL	31	
		5.43	180	P 1	DNT		05C	-0.63	TEH	TEC	560UL	31	
		3.81	181	P 1	DNT		04C	+0.65	TEH	TEC	560UL	31	
47	99	0.29	0	P 2	TWD	18	AV5	+0.00	TEH	TEC	560UL	31	
		0.23	0	P 2	TWD	17	AV6	+0.00	TEH	TEC	560UL	31	
		3.20	182	P 1	DNT		07C	+0.37	TEH	TEC	560UL	31	
		2.70	183	P 1	DNT		07C	-0.59	TEH	TEC	560UL	31	
		3.07	181	1	DNG		05C	+0.66	TEH	TEC	560UL	31	
		5.60	183	P 1	DNT		05C	+0.39	TEH	TEC	560UL	31	
		7.31	178	P 1	DNT		05C	-0.26	TEH	TEC	560UL	31	
		9.43	179	P 1	DNT		05C	-0.52	TEH	TEC	560UL	31	
		6.56	184	1	DNG		04C	+0.66	TEH	TEC	560UL	31	
		4.59	181	P 1	DNT		04C	-0.28	TEH	TEC	560UL	31	
48	28	6.40	76	6	MBM		FBC	+13.26	TEH	TEC	560UL	26	
48	34	7.14	182	1	DNG		06C	+29.45	TEH	TEC	560UL	26	
		2.17	184	1	DNG		01C	+19.97	TEH	TEC	560UL	26	
48	35	0.22	0	P 2	TWD	17	AV4	+0.02	TEH	TEC	560UL	26	
48	46	2.23	181	1	DNG		07H	+9.15	TEH	TEC	560UL	28	
48	49	4.56	180	P 1	DNT		07H	+0.49	TEH	TEC	560UL	28	
		2.36	181	P 1	DNT		07H	-0.59	TEH	TEC	560UL	28	
48	68	3.48	189	1	DNG		05H	+23.67	TEH	TEC	560UL	29	
48	71	3.55	184	1	DNG		04H	+1.20	TEH	TEC	560UL	30	
		2.03	186	1	DNG		03H	+37.75	TEH	TEC	560UL	30	
48	79	3.04	181	1	DNG		06H	+36.34	TEH	TEC	560UL	32	
		4.94	180	1	DNG		06H	+37.41	TEH	TEC	560UL	32	
48	83	2.28	180	P 1	DNT		07C	+0.27	TEH	TEC	560UL	32	
		4.73	78	6	MBM		01C	+31.08	TEH	TEC	560UL	32	
48	85	3.33	71	6	MBM		06C	+29.11	TEH	TEC	560UL	32	
		2.13	89	6	MBM		06C	+27.35	TEH	TEC	560UL	32	
48	90	2.16	68	6	MBM		AV2	+6.12	TEH	TEC	560UL	32	
48	94	4.55	185	1	DNG		02H	+7.14	TEH	TEC	560UL	32	
		0.27	0	P 2	TWD	18	AV3	+0.00	TEH	TEC	560UL	32	
		0.29	0	P 2	TWD	19	AV4	+0.00	TEH	TEC	560UL	32	
		0.22	0	P 2	TWD	18	AV6	+0.00	TEH	TEC	560UL	32	
48	95	3.77	178	P 1	DNT		05C	+0.72	TEH	TEC	560UL	32	
		2.75	179	P 1	DNT		05C	+0.44	TEH	TEC	560UL	32	
48	96	5.89	181	P 1	DNT		07C	+0.39	TEH	TEC	560UL	31	
		3.12	181	P 1	DNT		07C	-0.68	TEH	TEC	560UL	31	

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1 Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
		6.40	179	P 1	DNT		05C	+0.72	TEH	TEC	560UL	31	
		6.16	180	P 1	DNT		05C	+0.46	TEH	TEC	560UL	31	
		2.55	178	P 1	DNT		05C	-0.55	TEH	TEC	560UL	31	
		2.22	181	P 1	DNT		04C	+0.66	TEH	TEC	560UL	31	
		2.59	180	P 1	DNT		04C	-0.40	TEH	TEC	560UL	31	
48	97	4.14	180	P 1	DNT		04C	+0.72	TEH	TEC	560UL	32	
		2.09	181	P 1	DNT		04C	-0.49	TEH	TEC	560UL	32	
		7.49	175	P 1	DNT		05C	+0.75	TEH	TEC	560UL	32	
		10.12	177	P 1	DNT		05C	+0.51	TEH	TEC	560UL	32	
		6.82	179	P 1	DNT		05C	-0.35	TEH	TEC	560UL	32	
		4.27	177	P 1	DNT		05C	-0.64	TEH	TEC	560UL	32	
		6.73	180	P 1	DNT		07C	+0.34	TEH	TEC	560UL	32	
48	98	2.17	181	P 1	DNT		02H	-0.28	TEH	TEC	560UL	32	
		5.34	180	P 1	DNT		07C	+0.38	TEH	TEC	560UL	32	
		8.41	176	P 1	DNT		05C	+0.79	TEH	TEC	560UL	32	
		9.56	177	P 1	DNT		05C	+0.46	TEH	TEC	560UL	32	
		6.59	178	P 1	DNT		05C	-0.29	TEH	TEC	560UL	32	
		9.78	177	P 1	DNT		05C	-0.66	TEH	TEC	560UL	32	
		5.61	179	P 1	DNT		04C	+0.77	TEH	TEC	560UL	32	
		3.59	180	P 1	DNT		04C	-0.40	TEH	TEC	560UL	32	
	37	2.91	88	6	MBM		FBC	+13.16	TEH	TEC	560UL	25	
49	38	4.57	181	1	DNG		06C	+34.51	TEH	TEC	560UL	26	
49	44	2.64	179	1	DNG		AV3	+8.00	TEH	TEC	560UL	28	
49	45	6.45	87	6	MBM		05H	+26.57	TEH	TEC	560UL	28	
		3.87	88	6	MBM		05H	+22.51	TEH	TEC	560UL	28	
		8.60	183	1	DNG		AV5	+11.66	TEH	TEC	560UL	28	
		2.10	87	6	MBM		03C	+5.92	TEH	TEC	560UL	28	
49	47	3.43	184	1	DNG		AV6	+23.87	TEH	TEC	560UL	27	
49	49	2.19	185	P 1	DNT		07H	+0.39	TEH	TEC	560UL	27	
		2.25	183	1	DNG		07H	-0.69	TEH	TEC	560UL	27	
49	58	3.76	188	1	DNG		01H	+12.30	TEH	TEC	560UL	27	
		3.69	82	6	MBM		01C	+6.67	TEH	TEC	560UL	27	
49	64	4.57	83	6	MBM		02H	+23.26	TEH	TEC	560UL	30	
49	79	4.23	179	P 1	DNT		07H	-0.57	TEH	TEC	560UL	31	
		3.76	182	P 1	DNT		07H	+0.47	TEH	TEC	560UL	31	
49	87	2.49	179	P 1	DNT		07H	-0.59	TEH	TEC	560UL	31	
		2.11	184	P 1	DNT		07H	+0.51	TEH	TEC	560UL	31	
49	89	2.52	187	1	DNG		06H	+26.07	TEH	TEC	560UL	31	
		3.28	178	P 1	DNT		07H	-0.73	TEH	TEC	560UL	31	
		2.35	182	P 1	DNT		07H	+0.45	TEH	TEC	560UL	31	
		2.13	181	P 1	DNT		07C	-0.73	TEH	TEC	560UL	31	
49	92	2.42	180	P 1	DNT		07H	+0.49	TEH	TEC	560UL	32	
		0.12	0	P 2	TWD	16	AV2	+0.00	TEH	TEC	560UL	32	
		0.18	0	P 2	TWD	17	AV3	+0.00	TEH	TEC	560UL	32	
		0.25	0	P 2	TWD	18	AV4	+0.00	TEH	TEC	560UL	32	
	94	0.23	0	P 2	TWD	17	AV1	+0.00	TEH	TEC	560UL	31	
		0.49	0	P 2	TWD	22	AV2	+0.00	TEH	TEC	560UL	31	
		0.25	0	P 2	TWD	17	AV3	+0.00	TEH	TEC	560UL	31	
		0.46	0	P 2	TWD	21	AV4	+0.00	TEH	TEC	560UL	31	
		0.99	0	P 2	TWD	30	AV5	+0.00	TEH	TEC	560UL	31	

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1 Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
		0.16	0	P 2	TWD	15	AV6	+0.00	TEH	TEC	560UL	31	
49	95	6.06	184	P 1	DNT		07C	+0.36	TEH	TEC	560UL	31	
		5.36	182	P 1	DNT		07C	-0.68	TEH	TEC	560UL	31	
		4.12	181	P 1	DNT		05C	+0.76	TEH	TEC	560UL	31	
		5.57	179	P 1	DNT		05C	+0.42	TEH	TEC	560UL	31	
49	96	9.07	180	P 1	DNT		07C	+0.34	TEH	TEC	560UL	32	
		4.92	182	P 1	DNT		07C	-0.73	TEH	TEC	560UL	32	
		3.80	177	P 1	DNT		05C	+0.73	TEH	TEC	560UL	32	
		5.47	179	P 1	DNT		05C	+0.44	TEH	TEC	560UL	32	
		2.47	180	P 1	DNT		05C	-0.35	TEH	TEC	560UL	32	
		2.38	179	P 1	DNT		05C	-0.61	TEH	TEC	560UL	32	
		4.43	180	P 1	DNT		04C	+0.75	TEH	TEC	560UL	32	
50	35	2.57	184	1	DNG		07H	+0.80	TEH	TEC	560UL	26	
		3.96	181	P 1	DNT		07H	+0.42	TEH	TEC	560UL	26	
		2.90	181	1	DNG		06H	+32.95	TEH	TEC	560UL	26	
50	36	3.91	182	P 1	DNT		07H	+0.47	TEH	TEC	560UL	26	
50	39	7.75	88	6	MBM		01H	+18.54	TEH	TEC	560UL	25	
50	40	5.86	90	6	MBM		02H	+1.87	TEH	TEC	560UL	26	
		3.96	185	P 1	DNT		07C	-0.49	TEH	TEC	560UL	26	
	42	2.56	181	P 1	DNT		07H	+0.56	TEH	TEC	560UL	26	
	44	8.48	83	6	MBM		FBH	+16.85	TEH	TEC	560UL	27	
50	45	3.75	84	6	MBM		01C	+5.37	TEH	TEC	560UL	27	
50	46	3.00	180	P 1	DNT		07H	+0.51	TEH	TEC	560UL	28	
		3.40	183	1	DNG		06H	+35.57	TEH	TEC	560UL	28	
		2.51	86	6	MBM		01C	+2.24	TEH	TEC	560UL	28	
50	47	2.41	180	1	DNG		07H	+9.12	TEH	TEC	560UL	28	
50	48	2.23	181	1	DNG		07H	+8.37	TEH	TEC	560UL	28	
50	49	2.83	180	1	DNG		07H	+8.02	TEH	TEC	560UL	28	
50	50	4.67	88	6	MBM		FBC	+3.59	TEH	TEC	560UL	28	
		2.77	181	1	DNG		07H	+8.58	TEH	TEC	560UL	28	
50	51	2.83	180	1	DNG		07H	+9.05	TEH	TEC	560UL	28	
50	53	3.36	181	1	DNG		07H	+9.08	TEH	TEC	560UL	27	
50	56	2.67	182	1	DNG		06H	+37.12	TEH	TEC	560UL	28	
50	57	4.07	86	6	MBM		AV1	-1.29	TEH	TEC	560UL	27	
50	62	6.05	88	6	MBM		AV1	+7.85	TEH	TEC	560UL	29	
		5.98	89	6	MBM		04H	+28.52	TEH	TEC	560UL	29	
50	73	3.65	184	1	DNG		FBC	+5.77	TEH	TEC	560UL	30	
50	75	2.16	183	P 1	DNT		07C	+0.28	TEH	TEC	560UL	29	
		6.59	185	1	DNG		AV4	+2.95	TEH	TEC	560UL	29	
50	76	2.12	179	P 1	DNT		07H	+0.36	TEH	TEC	560UL	30	
		7.89	180	P 1	DNT		07C	+0.40	TEH	TEC	560UL	30	
		2.51	182	P 1	DNT		07C	-0.67	TEH	TEC	560UL	30	
50	79	2.91	182	P 1	DNT		07H	-0.34	TEH	TEC	560UL	32	
50	84	3.88	180	P 1	DNT		07H	-0.79	TEH	TEC	560UL	31	
		2.37	185	P 1	DNT		07H	+0.34	TEH	TEC	560UL	31	
	87	0.14	0	P 2	TWD	16	AV6	+0.00	TEH	TEC	560UL	32	
50	88	2.55	181	P 1	DNT		07C	-0.76	TEH	TEC	560UL	32	
50	89	3.66	182	P 1	DNT		07C	-0.71	TEH	TEC	560UL	32	
		2.05	182	P 1	DNT		07C	+0.27	TEH	TEC	560UL	32	
50	90	3.98	181	P 1	DNT		07C	-0.77	TEH	TEC	560UL	31	

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l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
50	91	3.86	34	6	MBM		AV4	+8.68	TEH	TEC	560UL	32	
50	92	4.14	180	P 1	DNT		07C	-0.70	TEH	TEC	560UL	31	
50	93	3.21	181	P 1	DNT		07C	-0.80	TEH	TEC	560UL	32	
50	94	3.41	180	P 1	DNT		07H	+0.46	TEH	TEC	560UL	32	
		7.24	180	P 1	DNT		07C	+0.31	TEH	TEC	560UL	32	
		3.51	180	P 1	DNT		07C	-0.71	TEH	TEC	560UL	32	
		2.57	179	P 1	DNT		05C	+0.70	TEH	TEC	560UL	32	
50	95	0.14	0	P 2	TWD	16	AV6	+0.00	TEH	TEC	560UL	32	
		5.18	179	P 1	DNT		07C	+0.34	TEH	TEC	560UL	32	
		4.08	180	P 1	DNT		07C	-0.64	TEH	TEC	560UL	32	
		5.86	176	P 1	DNT		05C	+0.70	TEH	TEC	560UL	32	
		2.65	177	P 1	DNT		05C	+0.48	TEH	TEC	560UL	32	
		3.41	179	P 1	DNT		04C	+0.70	TEH	TEC	560UL	32	
51	31	4.62	182	P 1	DNT		07C	+0.49	TEH	TEC	560UL	26	
		3.28	183	P 1	DNT		07H	+0.44	TEH	TEC	560UL	26	
51	32	2.65	185	1	DNG		06H	+19.94	TEH	TEC	560UL	25	
51	35	2.18	188	1	DNG		AV1	+12.72	TEH	TEC	560UL	25	
51	36	2.20	73	6	MBM		04C	+26.56	TEH	TEC	560UL	25	
51	38	3.01	70	6	MBM		03H	+14.37	TEH	TEC	560UL	26	
		4.94	183	1	DNG		06C	+32.11	TEH	TEC	560UL	26	
	39	2.69	183	1	DNG		06C	+32.48	TEH	TEC	560UL	26	
51	42	4.56	182	1	DNG		07H	+8.63	TEH	TEC	560UL	25	
51	46	4.78	187	1	DNG		07C	+0.86	TEH	TEC	560UL	27	
51	47	0.82	0	P 2	TWD	28	AV2	+0.00	TEH	TEC	560UL	27	
		0.22	0	P 2	TWD	18	AV3	+0.00	TEH	TEC	560UL	27	
		0.49	0	P 2	TWD	23	AV4	+0.00	TEH	TEC	560UL	27	
		0.32	0	P 2	TWD	20	AV5	+0.00	TEH	TEC	560UL	27	
51	56	4.41	189	1	DNG		05H	+5.34	TEH	TEC	560UL	27	
		3.50	181	1	DNG		05H	+5.79	TEH	TEC	560UL	27	
51	67	0.18	0	P 2	TWD	17	AV5	-0.04	TEH	TEC	560UL	29	
51	71	2.36	186	P 1	DNT		07C	+0.30	TEH	TEC	560UL	29	
51	77	2.20	185	P 1	DNT		07H	+0.49	TEH	TEC	560UL	29	
51	78	2.82	181	P 1	DNT		07C	+0.27	TEH	TEC	560UL	32	
51	79	2.37	183	P 1	DNT		07H	+0.47	TEH	TEC	560UL	31	
		2.31	178	P 1	DNT		07H	-0.57	TEH	TEC	560UL	31	
		5.12	85	6	MBM		05C	+18.65	TEH	TEC	560UL	31	
51	80	0.27	0	P 2	TWD	18	AV3	+0.04	TEH	TEC	560UL	32	
		0.24	0	P 2	TWD	18	AV5	-0.07	TEH	TEC	560UL	32	
		0.12	0	P 2	TWD	15	AV6	-0.04	TEH	TEC	560UL	32	
51	81	2.35	80	6	MBM		01C	+36.55	TEH	TEC	560UL	31	
		4.74	179	P 1	DNT		07H	-0.56	TEH	TEC	560UL	31	
		5.82	183	P 1	DNT		07H	+0.49	TEH	TEC	560UL	31	
		6.76	183	P 1	DNT		07C	+0.23	TEH	TEC	560UL	31	
51	82	0.21	0	P 2	TWD	16	AV5	+0.00	TEH	TEC	560UL	31	
51	84	3.34	53	6	MBM		01H	+35.80	TEH	TEC	560UL	32	
		3.16	181	1	DNG		06H	+21.84	TEH	TEC	560UL	32	
		3.00	178	P 1	DNT		07C	+0.31	TEH	TEC	560UL	32	
		2.02	180	P 1	DNT		07C	-0.71	TEH	TEC	560UL	32	
		3.33	179	P 1	DNT		07H	+0.38	TEH	TEC	560UL	32	
		2.18	179	P 1	DNT		07H	-0.50	TEH	TEC	560UL	32	

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QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
51	87	5.76	79	6	MBM		02C	+35.14	TEH	TEC	560UL	31	
51	88	2.16	184	P 1	DNT		07C	+0.32	TEH	TEC	560UL	31	
		2.09	181	P 1	DNT		07C	-0.74	TEH	TEC	560UL	31	
51	89	3.83	182	P 1	DNT		07C	-0.77	TEH	TEC	560UL	31	
51	90	2.69	181	P 1	DNT		07C	+0.27	TEH	TEC	560UL	32	
		2.97	182	P 1	DNT		07C	-0.78	TEH	TEC	560UL	32	
		2.50	71	6	MBM		AV3	+12.87	TEH	TEC	560UL	32	
51	91	2.72	181	P 1	DNT		07C	-0.75	TEH	TEC	560UL	31	
51	92	2.12	184	P 1	DNT		AV4	+0.00	TEH	TEC	560UL	32	
		3.33	180	P 1	DNT		07C	+0.27	TEH	TEC	560UL	32	
		4.60	181	P 1	DNT		07C	-0.80	TEH	TEC	560UL	32	
51	93	2.37	183	P 1	DNT		07C	+0.26	TEH	TEC	560UL	31	
		4.44	182	P 1	DNT		07C	-0.72	TEH	TEC	560UL	31	
		0.13	0	P 2	TWD	14	AV6	+0.00	TEH	TEC	560UL	31	
52	32	2.90	185	1	DNG		02H	+7.75	TEH	TEC	560UL	26	
52	33	4.79	181	1	DNG		06H	+36.39	TEH	TEC	560UL	25	
52	35	3.20	182	1	DNG		04H	+35.44	TEH	TEC	560UL	26	
52	42	3.27	188	1	DNG		03C	+30.94	TEH	TEC	560UL	26	
52	44	0.75	0	P 2	TWD	27	AV2	+0.00	TEH	TEC	560UL	27	
		2.05	0	P 2	TWD	44	AV3	+0.00	TEH	TEC	560UL	27	
		0.28	0	P 2	TWD	19	AV4	+0.00	TEH	TEC	560UL	27	
		0.17	0	P 2	TWD	16	AV5	+0.00	TEH	TEC	560UL	27	
52	46	2.85	179	1	DNG		05C	+37.23	TEH	TEC	560UL	28	
52	54	3.30	74	6	MBM		03C	+37.68	TEH	TEC	560UL	28	
52	56	4.81	183	1	DNG		07H	+7.90	TEH	TEC	560UL	28	
52	60	0.12	0	P 2	TWD	14	AV5	+0.00	TEH	TEC	560UL	23	
		0.11	0	P 2	TWD	14	AV4	+0.00	TEH	TEC	560UL	23	
		0.17	0	P 2	TWD	15	AV3	+0.00	TEH	TEC	560UL	23	
		0.19	0	P 2	TWD	15	AV2	+0.00	TEH	TEC	560UL	23	
		0.11	0	P 2	TWD	14	AV1	+0.00	TEH	TEC	560UL	23	
52	68	0.66	0	P 2	TWD	26	AV5	+0.02	TEH	TEC	560UL	29	
		0.49	0	P 2	TWD	23	AV4	+0.06	TEH	TEC	560UL	29	
		0.91	0	P 2	TWD	29	AV3	+0.00	TEH	TEC	560UL	29	
		0.73	0	P 2	TWD	27	AV2	+0.04	TEH	TEC	560UL	29	
		0.12	0	P 2	TWD	16	AV1	+0.15	TEH	TEC	560UL	29	
52	73	1.15	0	P 2	TWD	32	AV2	+0.00	TEH	TEC	560UL	30	
		1.33	0	P 2	TWD	34	AV3	+0.00	TEH	TEC	560UL	30	
		0.70	0	P 2	TWD	25	AV4	+0.00	TEH	TEC	560UL	30	
		0.40	0	P 2	TWD	20	AV5	+0.00	TEH	TEC	560UL	30	
52	78	2.31	83	6	MBM		04H	+9.33	TEH	TEC	560UL	31	
52	79	2.32	181	P 1	DNT		07C	+0.29	TEH	TEC	560UL	32	
52	81	2.54	183	P 1	DNT		07C	+0.29	TEH	TEC	560UL	32	
52	82	3.19	180	P 1	DNT		07H	+0.38	TEH	TEC	560UL	32	
		2.27	182	P 1	DNT		07C	+0.29	TEH	TEC	560UL	32	
52	84	2.71	185	1	DNG		06H	+37.11	TEH	TEC	560UL	31	
	85	2.28	181	P 1	DNT		07C	+0.27	TEH	TEC	560UL	32	
[illegible]	86	5.07	180	P 1	DNT		07C	+0.29	TEH	TEC	560UL	32	
		2.60	180	P 1	DNT		07C	-0.69	TEH	TEC	560UL	32	
52	87	3.77	181	P 1	DNT		07C	-0.73	TEH	TEC	560UL	32	
52	88	4.35	179	P 1	DNT		07C	+0.29	TEH	TEC	560UL	32	

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QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
		2.34	179	P 1	DNT		07C	-0.67	TEH	TEC	560UL	32	
52	89	2.15	181	P 1	DNT		07C	+0.27	TEH	TEC	560UL	32	
		4.35	182	P 1	DNT		07C	-0.73	TEH	TEC	560UL	32	
		2.80	181	1	DNG		06C	+36.24	TEH	TEC	560UL	32	
52	90	6.24	183	P 1	DNT		07C	+0.30	TEH	TEC	560UL	31	
		2.56	186	P 1	DNT		07C	-0.70	TEH	TEC	560UL	31	
52	91	8.27	180	P 1	DNT		07C	+0.27	TEH	TEC	560UL	32	
		4.79	180	P 1	DNT		07C	-0.73	TEH	TEC	560UL	32	
53	33	4.12	184	1	DNG		07H	+9.19	TEH	TEC	560UL	26	
		2.40	182	1	DNG		06C	+23.11	TEH	TEC	560UL	26	
53	34	5.80	184	1	DNG		07H	+8.82	TEH	TEC	560UL	25	
		2.57	69	6	MBM		04C	+11.09	TEH	TEC	560UL	25	
53	35	2.75	182	1	DNG		06H	+36.28	TEH	TEC	560UL	25	
		5.02	186	1	DNG		AV6	+18.67	TEH	TEC	560UL	25	
		4.61	184	1	DNG		06C	+30.02	TEH	TEC	560UL	25	
		5.48	184	1	DNG		06C	+29.19	TEH	TEC	560UL	25	
		3.14	181	1	DNG		06C	+28.93	TEH	TEC	560UL	25	
		3.98	185	1	DNG		06C	+28.10	TEH	TEC	560UL	25	
		2.90	186	1	DNG		06C	+8.26	TEH	TEC	560UL	25	
	36	7.32	185	1	DNG		07H	+8.72	TEH	TEC	560UL	25	
		2.98	79	6	MBM		AV2	+6.65	TEH	TEC	560UL	25	
		3.07	57	6	MBM		02C	+24.29	TEH	TEC	560UL	25	
		3.96	82	6	MBM		01C	+18.59	TEH	TEC	560UL	25	
53	37	7.65	183	1	DNG		07H	+9.06	TEH	TEC	560UL	25	
53	38	5.42	185	1	DNG		07H	+9.15	TEH	TEC	560UL	26	
53	39	5.04	183	1	DNG		07H	+9.35	TEH	TEC	560UL	26	
53	40	8.21	184	1	DNG		07H	+9.75	TEH	TEC	560UL	25	
53	41	6.52	184	1	DNG		07H	+9.85	TEH	TEC	560UL	25	
53	42	5.42	183	1	DNG		07H	+8.74	TEH	TEC	560UL	25	
53	43	3.57	183	1	DNG		07H	+8.97	TEH	TEC	560UL	26	
53	44	6.42	181	1	DNG		07H	+8.43	TEH	TEC	560UL	28	
53	46	2.75	185	P 1	DNT		07H	+0.56	TEH	TEC	560UL	27	
		3.40	185	P 1	DNT		07C	+0.43	TEH	TEC	560UL	27	
53	50	2.30	183	1	DNG		07H	+7.36	TEH	TEC	560UL	27	
53	57	2.20	181	1	DNG		AV6	+21.97	TEH	TEC	560UL	28	
53	58	3.12	82	6	MBM		AV1	+19.78	TEH	TEC	560UL	24	
		2.11	183	1	DNG		AV6	+21.67	TEH	TEC	560UL	24	
		3.68	186	1	DNG		03C	+36.72	TEH	TEC	560UL	24	
		2.79	76	6	MBM		07H	+50.04	TEH	TEC	560UL	24	
53	59	3.46	190	1	DNG		03H	+34.66	TEH	TEC	560UL	23	
53	62	2.59	183	1	DNG		01H	+18.34	TEH	TEC	560UL	30	
		3.26	184	1	DNG		AV6	+21.68	TEH	TEC	560UL	30	
		2.19	81	6	MBM		06H	+36.79	TEH	TEC	560UL	30	
53	64	2.88	181	1	DNG		AV6	+21.95	TEH	TEC	560UL	30	
53	65	3.41	186	1	DNG		AV6	+22.31	TEH	TEC	560UL	29	
	68	3.28	80	6	MBM		06H	+25.06	TEH	TEC	560UL	30	
		3.96	183	1	DNG		AV6	+22.56	TEH	TEC	560UL	30	
53	69	2.85	186	1	DNG		AV6	+22.37	TEH	TEC	560UL	29	
53	70	1.81	98	P 1	LPI		TSC	+1.35	TEH	TEC	560UL	30	
		1.44	78	P 1	SVI		TSC	+1.35	TSC	TSC	560PP	70	

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QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
53	71	1.20	68	P 1	SVI		TSC	+0.38	TSC	TSC	560PP	70	
		2.44	185	1	DNG		06H	+9.75	TEH	TEC	560UL	29	
		4.14	186	1	DNG		AV6	+22.35	TEH	TEC	560UL	29	
		2.20	182	1	DNG		05C	+0.65	TEH	TEC	560UL	29	
		2.77	93	P 1	LPI		TSC	+0.38	TEH	TEC	560UL	29	
53	72	0.14	92	P 1	SVI		TSC	+0.06	TSC	TSC	560PP	71	
		3.56	177	P 1	DNT		07H	+0.45	TEH	TEC	560UL	30	
		2.89	182	1	DNG		AV6	+22.71	TEH	TEC	560UL	30	
		4.34	177	P 1	DNT		07C	+0.34	TEH	TEC	560UL	30	
		2.41	179	P 1	DNT		07C	-0.69	TEH	TEC	560UL	30	
53	73	0.20	72	P 1	SVI		TSC	+1.75	TSC	TSC	560PP	79	
		4.32	185	1	DNG		AV6	+22.52	TEH	TEC	560UL	29	
		2.25	182	P 1	DNT		07C	+0.34	TEH	TEC	560UL	29	
		2.10	176	1	DNG		07C	-0.73	TEH	TEC	560UL	29	
		2.93	186	1	DNG		07C	-1.01	TEH	TEC	560UL	29	
		0.24	145	P 1	LPI		TSC	+2.01	TEH	TEC	560UL	29	
		0.18	118	P 1	LPI		TSC	+1.79	TEH	TEC	560UL	29	
53	74	3.85	185	1	DNG		AV6	+22.53	TEH	TEC	560UL	29	
		2.80	179	P 1	DNT		07C	-0.73	TEH	TEC	560UL	29	
	75	2.98	183	1	DNG		AV6	+22.96	TEH	TEC	560UL	30	
	76	2.06	183	1	DNG		06H	+9.12	TEH	TEC	560UL	29	
		3.40	183	1	DNG		06H	+33.85	TEH	TEC	560UL	29	
		2.11	180	1	DNG		06H	+37.30	TEH	TEC	560UL	29	
		3.85	185	1	DNG		AV6	+22.97	TEH	TEC	560UL	29	
		2.76	182	1	DNG		07C	-0.73	TEH	TEC	560UL	29	
53	77	6.18	181	P 1	DNT		07C	+0.32	TEH	TEC	560UL	29	
		2.40	190	1	DNG		07C	-0.79	TEH	TEC	560UL	29	
		3.49	185	1	DNG		AV6	+23.03	TEH	TEC	560UL	29	
53	78	3.54	178	P 1	DNT		06H	+0.40	TEH	TEC	560UL	32	
		2.19	179	P 1	DNT		07H	-0.54	TEH	TEC	560UL	32	
		4.00	178	P 1	DNT		07H	+0.55	TEH	TEC	560UL	32	
		4.01	179	P 1	DNT		07C	+0.36	TEH	TEC	560UL	32	
		3.32	178	P 1	DNT		07C	-0.66	TEH	TEC	560UL	32	
		3.25	183	1	DNG		AV6	+23.96	TEH	TEC	560UL	32	
		5.50	180	1	DNG		06H	+28.88	TEH	TEC	560UL	32	
53	79	8.06	181	P 1	DNT		07C	+0.15	TEH	TEC	560UL	31	
		2.96	189	1	DNG		07C	-0.92	TEH	TEC	560UL	31	
53	80	5.21	179	P 1	DNT		07C	-0.02	TEH	TEC	560UL	32	
		2.92	178	P 1	DNT		07C	+0.29	TEH	TEC	560UL	32	
53	81	5.72	182	P 1	DNT		07C	+0.32	TEH	TEC	560UL	31	
		4.62	184	1	DNG		07C	-0.70	TEH	TEC	560UL	31	
53	82	2.24	66	6	MBM		06H	+5.67	TEH	TEC	560UL	31	
		4.41	184	1	DNG		07C	-0.75	TEH	TEC	560UL	31	
53	83	2.22	185	P 1	DNT		07C	+0.30	TEH	TEC	560UL	31	
53	84	3.99	181	P 1	DNT		07C	-0.70	TEH	TEC	560UL	32	
	85	3.19	175	P 1	DNT		07C	+0.28	TEH	TEC	560UL	31	
		5.10	187	1	DNG		07C	-0.74	TEH	TEC	560UL	31	
53	86	4.18	183	P 1	DNT		07C	+0.26	TEH	TEC	560UL	31	
		2.70	181	P 1	DNT		07C	-0.65	TEH	TEC	560UL	31	
53	87	6.49	181	P 1	DNT		07C	-0.72	TEH	TEC	560UL	31	

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QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
		2.88	182	P 1	DNT		07C	+0.30	TEH	TEC	560UL	31	
53	88	3.38	180	P 1	DNT		07C	+0.34	TEH	TEC	560UL	31	
		4.24	181	P 1	DNT		07C	-0.72	TEH	TEC	560UL	31	
53	89	3.61	177	P 1	DNT		07H	-0.74	TEH	TEC	560UL	31	
		4.07	183	P 1	DNT		07H	+0.47	TEH	TEC	560UL	31	
		5.37	183	P 1	DNT		07C	+0.32	TEH	TEC	560UL	31	
		3.45	184	P 1	DNT		07C	-0.75	TEH	TEC	560UL	31	
		2.53	81	6	MBM		03C	+27.60	TEH	TEC	560UL	31	
		2.33	83	6	MBM		01C	+12.05	TEH	TEC	560UL	31	
53	90	4.65	181	P 1	DNT		07C	+0.29	TEH	TEC	560UL	32	
54	37	2.36	184	1	DNG		02H	+24.05	TEH	TEC	560UL	26	
54	39	0.12	0	P 2	TWD	15	AV6	-0.11	TEH	TEC	560UL	25	
54	42	2.30	83	6	MBM		04H	+26.78	TEH	TEC	560UL	26	
		3.80	84	6	MBM		05H	+27.23	TEH	TEC	560UL	26	
54	45	2.37	179	P 1	DNT		07H	-0.52	TEH	TEC	560UL	27	
54	48	2.31	75	6	MBM		01C	+26.62	TEH	TEC	560UL	28	
54	70	2.39	73	6	MBM		02C	+24.55	TEH	TEC	560UL	54	
		2.01	86	6	MBM		02C	+24.51	TSH	TEC	560UL	29	
54	71	2.88	86	6	MBM		02H	+2.54	TEH	TEC	560UL	30	
	73	3.34	188	P 1	DNT		07C	+0.36	TEH	TEC	560UL	30	
		2.73	182	P 1	DNT		07C	-0.65	TEH	TEC	560UL	30	
54	74	3.12	183	P 1	DNT		07C	+0.49	TEH	TEC	560UL	30	
		3.54	181	P 1	DNT		07C	-0.65	TEH	TEC	560UL	30	
54	75	3.47	182	P 1	DNT		07C	-0.79	TEH	TEC	560UL	29	
		2.09	186	P 1	DNT		07C	+0.32	TEH	TEC	560UL	29	
54	76	3.89	183	P 1	DNT		07C	+0.31	TEH	TEC	560UL	30	
		2.69	182	P 1	DNT		07C	-0.67	TEH	TEC	560UL	30	
54	77	5.64	180	P 1	DNT		07C	+0.38	TEH	TEC	560UL	30	
		3.55	182	P 1	DNT		07C	-0.67	TEH	TEC	560UL	30	
54	78	3.15	176	P 1	DNT		07H	+0.51	TEH	TEC	560UL	31	
		9.86	182	P 1	DNT		07C	+0.32	TEH	TEC	560UL	31	
		5.89	182	P 1	DNT		07C	-0.77	TEH	TEC	560UL	31	
54	79	5.75	180	P 1	DNT		07C	+0.31	TEH	TEC	560UL	32	
		5.92	181	P 1	DNT		07C	-0.69	TEH	TEC	560UL	32	
		2.91	183	1	DNG		AV6	+21.35	TEH	TEC	560UL	32	
54	80	3.61	186	1	DNG		AV6	+21.46	TEH	TEC	560UL	31	
		3.15	181	P 1	DNT		07C	+0.36	TEH	TEC	560UL	31	
		6.50	185	1	DNG		07C	-0.71	TEH	TEC	560UL	31	
54	81	3.41	183	1	DNG		AV6	+21.42	TEH	TEC	560UL	32	
		6.59	179	P 1	DNT		07C	+0.34	TEH	TEC	560UL	32	
		7.37	180	P 1	DNT		07C	-0.73	TEH	TEC	560UL	32	
54	82	3.45	179	P 1	DNT		07H	+0.44	TEH	TEC	560UL	32	
		3.91	183	1	DNG		AV6	+21.90	TEH	TEC	560UL	32	
		5.32	180	P 1	DNT		07C	-0.78	TEH	TEC	560UL	32	
54	83	3.21	183	1	DNG		AV6	+21.62	TEH	TEC	560UL	32	
		5.12	180	P 1	DNT		07C	+0.29	TEH	TEC	560UL	32	
		7.30	179	P 1	DNT		07C	-0.71	TEH	TEC	560UL	32	
54	84	2.26	177	P 1	DNT		07H	-0.74	TEH	TEC	560UL	31	
		4.06	182	P 1	DNT		07C	+0.30	TEH	TEC	560UL	31	
		4.36	181	P 1	DNT		07C	-0.76	TEH	TEC	560UL	31	

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l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
54	85	2.87	181	P 1	DNT		AV2	+0.00	TEH	TEC	560UL	32	
		3.97	182	1	DNG		AV6	+22.16	TEH	TEC	560UL	32	
		5.63	178	P 1	DNT		07C	+0.29	TEH	TEC	560UL	32	
		10.79	179	P 1	DNT		07C	-0.66	TEH	TEC	560UL	32	
54	86	3.94	84	6	MBM		05H	+5.95	TEH	TEC	560UL	32	
		3.36	180	P 1	DNT		07C	+0.29	TEH	TEC	560UL	32	
		5.01	180	P 1	DNT		07C	-0.78	TEH	TEC	560UL	32	
		3.10	182	1	DNG		AV6	+22.16	TEH	TEC	560UL	32	
54	87	2.54	179	P 1	DNT		07H	+0.47	TEH	TEC	560UL	32	
		4.83	181	P 1	DNT		07C	+0.29	TEH	TEC	560UL	32	
		5.28	181	P 1	DNT		07C	-0.80	TEH	TEC	560UL	32	
54	88	2.45	180	P 1	DNT		07H	-0.67	TEH	TEC	560UL	32	
		6.74	179	P 1	DNT		07H	+0.49	TEH	TEC	560UL	32	
		7.33	181	P 1	DNT		07C	+0.31	TEH	TEC	560UL	32	
		5.25	181	P 1	DNT		07C	-0.80	TEH	TEC	560UL	32	
55	40	3.30	184	1	DNG		07C	+1.10	TEH	TEC	560UL	25	
		6.75	184	P 1	DNT		07C	+0.54	TEH	TEC	560UL	25	
		3.97	176	P 1	DNT		07C	-0.56	TEH	TEC	560UL	25	
55	41	3.95	180	P 1	DNT		07C	+0.48	TEH	TEC	560UL	25	
		3.53	182	P 1	DNT		07H	+0.47	TEH	TEC	560UL	25	
	44	4.88	180	1	DNG		06C	+37.84	TEH	TEC	560UL	28	
55	46	2.25	191	1	DNG		06C	+23.05	TEH	TEC	560UL	27	
55	49	2.25	178	P 1	DNT		07H	-0.60	TEH	TEC	560UL	27	
55	54	2.48	185	1	DNG		05H	+4.48	TEH	TEC	560UL	27	
55	71	3.43	182	P 1	DNT		07C	+0.26	TEH	TEC	560UL	29	
		2.07	184	1	DNG		05C	+25.24	TEH	TEC	560UL	29	
		4.61	185	P 1	DNT		07C	-0.77	TEH	TEC	560UL	29	
55	72	3.61	187	1	DNG		07C	-0.73	TEH	TEC	560UL	29	
55	73	2.10	184	P 1	DNT		07C	+0.30	TEH	TEC	560UL	29	
		5.33	185	1	DNG		07C	-0.75	TEH	TEC	560UL	29	
55	74	3.54	184	P 1	DNT		07C	+0.28	TEH	TEC	560UL	29	
		5.79	185	1	DNG		07C	-0.75	TEH	TEC	560UL	29	
		2.02	185	P 1	DNT		05C	-0.38	TEH	TEC	560UL	29	
		2.49	183	P 1	DNT		05C	+0.59	TEH	TEC	560UL	29	
55	75	4.96	180	P 1	DNT		07C	+0.34	TEH	TEC	560UL	30	
		6.38	182	P 1	DNT		07C	-0.67	TEH	TEC	560UL	30	
55	76	2.42	184	P 1	DNT		07C	+0.30	TEH	TEC	560UL	29	
		5.26	187	1	DNG		07C	-0.75	TEH	TEC	560UL	29	
55	77	2.29	184	P 1	DNT		07C	+0.30	TEH	TEC	560UL	29	
		6.23	185	1	DNG		07C	-0.75	TEH	TEC	560UL	29	
55	78	2.62	179	P 1	DNT		05C	-0.31	TEH	TEC	560UL	32	
		2.02	179	P 1	DNT		05C	+0.72	TEH	TEC	560UL	32	
		6.63	181	P 1	DNT		07C	-0.71	TEH	TEC	560UL	32	
		7.54	179	P 1	DNT		07C	+0.31	TEH	TEC	560UL	32	
		3.55	180	P 1	DNT		07H	+0.40	TEH	TEC	560UL	32	
		2.13	79	6	MBM		01H	+19.13	TEH	TEC	560UL	32	
[illegible]	79	2.99	187	1	DNG		06H	+29.13	TEH	TEC	560UL	31	
		5.62	180	P 1	DNT		07H	-0.59	TEH	TEC	560UL	31	
		12.45	179	P 1	DNT		07H	+0.49	TEH	TEC	560UL	31	
		7.48	181	P 1	DNT		07C	+0.34	TEH	TEC	560UL	31	

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l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
		6.26	185	1	DNG		07C	-0.73	TEH	TEC	560UL	31	
		2.61	179	P 1	DNT		07C	-0.06	TEH	TEC	560UL	31	
55	80	2.42	180	P 1	DNT		05C	+0.74	TEH	TEC	560UL	32	
		11.37	179	P 1	DNT		07C	+0.34	TEH	TEC	560UL	32	
		7.93	181	P 1	DNT		07C	-0.75	TEH	TEC	560UL	32	
		3.06	179	1	DNG		06C	+23.73	TEH	TEC	560UL	32	
		3.46	179	P 1	DNT		07H	-0.54	TEH	TEC	560UL	32	
		2.51	180	P 1	DNT		07H	+0.44	TEH	TEC	560UL	32	
55	81	5.92	176	P 1	DNT		07C	+0.36	TEH	TEC	560UL	31	
		9.62	187	1	DNG		07C	-0.77	TEH	TEC	560UL	31	
55	82	2.37	177	P 1	DNT		07H	-0.57	TEH	TEC	560UL	31	
		4.22	182	P 1	DNT		07H	+0.45	TEH	TEC	560UL	31	
		6.16	184	P 1	DNT		07C	+0.32	TEH	TEC	560UL	31	
		5.88	186	1	DNG		07C	-0.75	TEH	TEC	560UL	31	
55	83	7.77	182	P 1	DNT		07C	+0.34	TEH	TEC	560UL	31	
		10.61	184	1	DNG		06C	+39.85	TEH	TEC	560UL	31	
55	84	2.80	80	6	MBM		FBH	+15.93	TEH	TEC	560UL	32	
		10.98	180	P 1	DNT		07C	+0.27	TEH	TEC	560UL	32	
		5.18	182	P 1	DNT		07C	-0.75	TEH	TEC	560UL	32	
		4.94	180	P 1	DNT		07H	+0.44	TEH	TEC	560UL	32	
		3.58	181	P 1	DNT		07H	-0.62	TEH	TEC	560UL	32	
56	49	4.63	179	P 1	DNT		07H	+0.42	TEH	TEC	560UL	28	
		2.15	179	P 1	DNT		07H	-0.60	TEH	TEC	560UL	28	
		2.69	180	1	DNG		06C	+15.61	TEH	TEC	560UL	28	
56	51	2.19	183	P 1	DNT		AV4	+0.00	TEH	TEC	560UL	28	
56	53	2.40	87	6	MBM		05H	+11.17	TEH	TEC	560UL	27	
		2.70	81	6	MBM		05H	+16.06	TEH	TEC	560UL	27	
56	61	4.45	88	6	MBM		05H	+15.13	TEH	TEC	560UL	30	
56	72	5.18	187	P 1	DNT		07C	+0.29	TEH	TEC	560UL	30	
		9.45	82	6	MBM		06C	+27.83	TEH	TEC	560UL	30	
		7.33	183	1	DNG		06C	+39.95	TEH	TEC	560UL	30	
56	73	7.81	180	P 1	DNT		07C	+0.36	TEH	TEC	560UL	30	
		10.31	179	P 1	DNT		07C	-0.74	TEH	TEC	560UL	30	
56	74	6.91	180	P 1	DNT		07C	+0.34	TEH	TEC	560UL	30	
		7.14	180	P 1	DNT		07C	-0.71	TEH	TEC	560UL	30	
		2.02	180	P 1	DNT		05C	+0.70	TEH	TEC	560UL	30	
56	75	5.67	184	P 1	DNT		07C	+0.28	TEH	TEC	560UL	29	
		9.81	187	1	DNG		07C	-0.77	TEH	TEC	560UL	29	
		2.03	171	1	DNG		07C	-1.20	TEH	TEC	560UL	29	
56	76	8.97	177	P 1	DNT		07C	+0.38	TEH	TEC	560UL	30	
		6.20	182	P 1	DNT		07C	-0.71	TEH	TEC	560UL	30	
56	77	2.23	181	P 1	DNT		07H	+0.40	TEH	TEC	560UL	30	
		5.11	182	P 1	DNT		07C	+0.27	TEH	TEC	560UL	30	
		3.54	182	P 1	DNT		07C	-0.58	TEH	TEC	560UL	30	
56	78	2.61	190	1	DNG		03H	+8.47	TEH	TEC	560UL	31	
		9.04	182	P 1	DNT		07C	+0.34	TEH	TEC	560UL	31	
		6.80	183	P 1	DNT		07C	-0.64	TEH	TEC	560UL	31	
56	79	3.42	180	P 1	DNT		07H	-0.61	TEH	TEC	560UL	32	
		7.34	179	P 1	DNT		07H	+0.44	TEH	TEC	560UL	32	
		14.88	179	P 1	DNT		07C	+0.36	TEH	TEC	560UL	32	

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l Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
		9.20	181	P 1	DNT		07C	-0.76	TEH	TEC	560UL	32	
		5.71	74	6	MBM		05H	+6.66	TEH	TEC	560UL	32	
		2.99	71	6	MBM		AV3	+11.86	TEH	TEC	560UL	32	
56	80	3.99	182	1	DNG		07H	-0.70	TEH	TEC	560UL	31	
		8.89	181	P 1	DNT		07H	+0.41	TEH	TEC	560UL	31	
		9.75	182	P 1	DNT		07C	+0.36	TEH	TEC	560UL	31	
		6.38	187	1	DNG		07C	-0.70	TEH	TEC	560UL	31	
		3.36	184	1	DNG		05C	+0.72	TEH	TEC	560UL	31	
56	82	2.10	181	1	DNG		06H	+19.78	TEH	TEC	560UL	32	
		12.54	179	P 1	DNT		07C	+0.31	TEH	TEC	560UL	32	
		9.52	181	P 1	DNT		07C	-0.75	TEH	TEC	560UL	32	
57	46	2.31	182	P 1	DNT		07H	+0.49	TEH	TEC	560UL	27	
		6.41	185	1	DNG		07H	+9.22	TEH	TEC	560UL	27	
57	47	2.00	185	P 1	DNT		07H	+0.47	TEH	TEC	560UL	27	
57	49	4.62	185	1	DNG		07H	-0.69	TEH	TEC	560UL	27	
		9.83	184	P 1	DNT		07H	+0.41	TEH	TEC	560UL	27	
57	55	3.85	181	1	DNG		07H	+8.22	TEH	TEC	560UL	28	
57	56	3.60	190	1	DNG		01H	+1.90	TEH	TEC	560UL	27	
		6.15	183	1	DNG		07H	+8.76	TEH	TEC	560UL	27	
		3.92	187	P 1	DNT		AV4	+0.06	TEH	TEC	560UL	27	
	67	2.81	89	6	MBM		02C	+21.73	TEH	TEC	560UL	29	
57	70	2.12	182	1	DNG		AV3	-1.03	TEH	TEC	560UL	30	
57	71	2.00	174	1	DNG		07H	-0.66	TEH	TEC	560UL	29	
57	73	10.81	183	P 1	DNT		07C	+0.30	TEH	TEC	560UL	29	
		10.29	187	1	DNG		07C	-0.71	TEH	TEC	560UL	29	
		2.14	173	1	DNG		06C	+39.01	TEH	TEC	560UL	29	
		2.71	182	1	DNG		01C	+0.63	TEH	TEC	560UL	29	
57	74	10.66	182	P 1	DNT		07C	+0.32	TEH	TEC	560UL	29	
		10.58	185	1	DNG		07C	-0.71	TEH	TEC	560UL	29	
		2.54	172	1	DNG		07C	-1.20	TEH	TEC	560UL	29	
		2.09	182	P 1	DNT		05C	+0.59	TEH	TEC	560UL	29	
57	75	2.69	181	P 1	DNT		07H	-0.68	TEH	TEC	560UL	30	
		3.31	181	P 1	DNT		07H	+0.38	TEH	TEC	560UL	30	
		8.83	180	P 1	DNT		07C	+0.38	TEH	TEC	560UL	30	
		13.03	180	P 1	DNT		07C	-0.76	TEH	TEC	560UL	30	
57	76	2.06	179	P 1	DNT		03C	+0.58	TEH	TEC	560UL	29	
		3.81	181	P 1	DNT		05C	+0.70	TEH	TEC	560UL	29	
		10.19	184	P 1	DNT		07C	-0.69	TEH	TEC	560UL	29	
		2.21	177	P 1	DNT		07H	-0.59	TEH	TEC	560UL	29	
		12.29	183	P 1	DNT		07C	+0.30	TEH	TEC	560UL	29	
57	77	3.08	177	1	DNG		07H	-0.61	TEH	TEC	560UL	29	
		11.62	183	P 1	DNT		07C	+0.34	TEH	TEC	560UL	29	
		8.06	188	1	DNG		07C	-0.73	TEH	TEC	560UL	29	
57	78	2.08	68	6	MBM		AV4	+16.63	TEH	TEC	560UL	32	
		3.01	182	P 1	DNT		05C	-0.29	TEH	TEC	560UL	32	
		3.37	181	P 1	DNT		05C	+0.68	TEH	TEC	560UL	32	
		13.83	180	P 1	DNT		07C	-0.75	TEH	TEC	560UL	32	
		14.86	178	P 1	DNT		07C	+0.40	TEH	TEC	560UL	32	
		9.79	180	P 1	DNT		07H	+0.47	TEH	TEC	560UL	32	
		5.49	180	P 1	DNT		07H	-0.63	TEH	TEC	560UL	32	

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Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
		7.89	183	1	DNG		06H	+10.63	TEH	TEC	560UL	32	
		6.20	182	1	DNG		06H	+11.59	TEH	TEC	560UL	32	
		2.21	184	1	DNG		06H	+12.64	TEH	TEC	560UL	32	
		4.29	183	1	DNG		06H	+13.72	TEH	TEC	560UL	32	
		2.52	184	1	DNG		06H	+16.09	TEH	TEC	560UL	32	
		4.08	182	1	DNG		06H	+17.11	TEH	TEC	560UL	32	
		3.54	183	1	DNG		06H	+18.52	TEH	TEC	560UL	32	
		6.69	179	1	DNG		06H	+19.62	TEH	TEC	560UL	32	
		3.33	180	1	DNG		06H	+21.40	TEH	TEC	560UL	32	
		5.40	182	1	DNG		06H	+21.89	TEH	TEC	560UL	32	
		6.88	182	1	DNG		06H	+22.70	TEH	TEC	560UL	32	
		11.11	180	1	DNG		06H	+23.66	TEH	TEC	560UL	32	
		2.26	181	1	DNG		06H	+24.44	TEH	TEC	560UL	32	
		2.77	183	1	DNG		06H	+25.51	TEH	TEC	560UL	32	
		2.22	183	1	DNG		06H	+27.64	TEH	TEC	560UL	32	
		3.37	182	1	DNG		06H	+28.55	TEH	TEC	560UL	32	
		2.42	183	1	DNG		06H	+30.14	TEH	TEC	560UL	32	
57	79	3.07	180	P 1	DNT		07H	-0.59	TEH	TEC	560UL	31	
		3.59	185	P 1	DNT		07H	+0.45	TEH	TEC	560UL	31	
		6.81	183	1	DNG		07H	+12.67	TEH	TEC	560UL	31	
		2.82	188	1	DNG		07H	+14.07	TEH	TEC	560UL	31	
		11.20	183	P 1	DNT		07C	+0.34	TEH	TEC	560UL	31	
		15.60	180	P 1	DNT		07C	-0.60	TEH	TEC	560UL	31	
		7.94	185	1	DNG		06C	+27.66	TEH	TEC	560UL	31	
		2.28	186	1	DNG		06C	+27.13	TEH	TEC	560UL	31	
		4.61	185	1	DNG		06C	+26.57	TEH	TEC	560UL	31	
		3.51	184	1	DNG		06C	+24.73	TEH	TEC	560UL	31	
		2.00	184	1	DNG		06C	+23.59	TEH	TEC	560UL	31	
		4.19	185	1	DNG		06C	+22.45	TEH	TEC	560UL	31	
		2.00	184	1	DNG		06C	+21.36	TEH	TEC	560UL	31	
		2.99	185	1	DNG		06C	+19.34	TEH	TEC	560UL	31	
		2.09	185	1	DNG		06C	+13.49	TEH	TEC	560UL	31	
57	80	4.24	181	P 1	DNT		07H	-0.67	TEH	TEC	560UL	32	
		9.60	180	P 1	DNT		07H	+0.47	TEH	TEC	560UL	32	
		6.49	181	P 1	DNT		07C	+0.34	TEH	TEC	560UL	32	
		6.14	182	P 1	DNT		07C	-0.69	TEH	TEC	560UL	32	
		2.62	179	P 1	DNT		05C	+0.72	TEH	TEC	560UL	32	
		3.32	180	P 1	DNT		05C	-0.24	TEH	TEC	560UL	32	
58	46	2.22	81	6	MBM		03H	+24.18	TEH	TEC	560UL	28	
		2.40	179	P 1	DNT		07H	+0.47	TEH	TEC	560UL	28	
58	49	3.38	179	P 1	DNT		07H	+0.47	TEH	TEC	560UL	28	
58	51	2.51	181	P 1	DNT		AV2	-0.16	TEH	TEC	560UL	28	
		2.54	181	1	DNG		06H	+33.77	TEH	TEC	560UL	28	
58	56	4.03	82	6	MBM		02C	+15.30	TEH	TEC	560UL	28	
58	58	3.16	90	6	MBM		TSC	+15.58	TEH	TEC	560UL	23	
	61	3.37	82	6	MBM		04H	+25.12	TEH	TEC	560UL	30	
58	72	21.72	178	P 1	DNT		07C	+0.36	TEH	TEC	560UL	30	
		13.49	182	1	DNG		07C	-0.78	TEH	TEC	560UL	30	
		2.23	179	P 1	DNT		07H	+0.51	TEH	TEC	560UL	30	
		3.02	181	P 1	DNT		AV2	+0.09	TEH	TEC	560UL	30	

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Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	PROBE	CAL#	COMMENT1
		4.66	180	P 1	DNT		AV3	+0.00	TEH	TEC	560UL	30	
		7.45	181	P 1	DNT		AV4	+0.00	TEH	TEC	560UL	30	
58	73	2.39	178	P 1	DNT		07H	-0.65	TEH	TEC	560UL	30	
		3.54	180	P 1	DNT		07H	+0.42	TEH	TEC	560UL	30	
		11.98	178	P 1	DNT		07C	+0.36	TEH	TEC	560UL	30	
		12.40	180	P 1	DNT		07C	-0.72	TEH	TEC	560UL	30	
58	74	12.17	179	P 1	DNT		07C	+0.41	TEH	TEC	560UL	30	
		11.33	180	P 1	DNT		07C	-0.74	TEH	TEC	560UL	30	
58	75	2.96	181	P 1	DNT		01H	-0.34	TEH	TEC	560UL	29	
		2.82	182	1	DNG		01H	+0.68	TEH	TEC	560UL	29	
		2.08	183	P 1	DNT		07H	+0.54	TEH	TEC	560UL	29	
		10.28	182	P 1	DNT		07C	+0.34	TEH	TEC	560UL	29	
		15.04	184	1	DNG		07C	-0.75	TEH	TEC	560UL	29	
58	76	2.47	179	P 1	DNT		01H	-0.39	TEH	TEC	560UL	30	
		11.43	180	P 1	DNT		07C	+0.40	TEH	TEC	560UL	30	
		8.91	181	P 1	DNT		07C	-0.69	TEH	TEC	560UL	30	
58	77	10.55	180	P 1	DNT		07C	+0.36	TEH	TEC	560UL	30	
		10.01	180	P 1	DNT		07C	-0.67	TEH	TEC	560UL	30	
59	53	2.83	179	P 1	DNT		07C	-0.64	TEH	TEC	560UL	28	
	54	2.29	184	1	DNG		AV3	+6.68	TEH	TEC	560UL	27	
		2.48	185	1	DNG		AV3	+8.21	TEH	TEC	560UL	27	
		3.85	188	1	DNG		06C	+38.21	TEH	TEC	560UL	27	
		2.35	187	1	DNG		06C	+37.65	TEH	TEC	560UL	27	
		4.48	186	1	DNG		06C	+36.71	TEH	TEC	560UL	27	
		5.45	186	1	DNG		06C	+36.30	TEH	TEC	560UL	27	
		5.47	186	1	DNG		06C	+35.74	TEH	TEC	560UL	27	
		3.48	186	1	DNG		06C	+34.60	TEH	TEC	560UL	27	
		2.23	189	1	DNG		06C	+34.02	TEH	TEC	560UL	27	
59	55	6.29	178	1	DNG		AV3	+6.54	TEH	TEC	560UL	28	
		7.01	179	1	DNG		AV3	+8.34	TEH	TEC	560UL	28	
59	56	4.13	187	P 1	DNT		AV3	-0.30	TEH	TEC	560UL	27	
		5.45	189	1	DNG		AV3	+1.67	TEH	TEC	560UL	27	
		3.02	186	1	DNG		AV3	+5.90	TEH	TEC	560UL	27	
		2.60	185	1	DNG		AV3	+6.22	TEH	TEC	560UL	27	
		3.88	186	1	DNG		AV3	+13.35	TEH	TEC	560UL	27	
		4.30	185	1	DNG		AV3	+13.75	TEH	TEC	560UL	27	
		2.48	191	1	DNG		AV3	+23.06	TEH	TEC	560UL	27	
59	58	2.38	181	P 1	DNT		AV2	-0.19	TEH	TEC	560UL	24	
		2.12	184	P 1	DNT		AV3	-0.20	TEH	TEC	560UL	24	
59	62	3.08	182	P 1	DNT		AV2	+0.24	TEH	TEC	560UL	30	
59	63	2.47	185	P 1	DNT		AV1	-0.26	TEH	TEC	560UL	29	
59	64	2.55	182	1	DNG		07H	+3.62	TEH	TEC	560UL	30	
		5.86	182	P 1	DNT		AV6	+0.49	TEH	TEC	560UL	30	
59	65	2.55	181	P 1	DNT		AV1	-0.29	TEH	TEC	560UL	30	
59	67	2.29	184	P 1	DNT		AV3	-0.24	TEH	TEC	560UL	29	
	70	3.86	183	P 1	DNT		AV3	-0.16	TEH	TEC	560UL	30	
59	71	3.87	179	P 1	DNT		07H	-0.59	TEH	TEC	560UL	29	
		3.96	183	P 1	DNT		07H	+0.47	TEH	TEC	560UL	29	
		2.15	183	P 1	DNT		AV3	-0.26	TEH	TEC	560UL	29	

10/99 RF10 - SGD
Tube Imperfection Indications

QUERY: QueryM1

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	PROBE	CAL#	COMMENT1

Total Tubes : 1294
Total Records: 2548