

**FLORIDA POWER CORPORATION
CRYSTAL RIVER UNIT 3**

**OTSG TUBE INSERVICE INSPECTION
REFUEL OUTAGE 9
12 MONTH REPORT**

JUNE 1995

INTRODUCTION

Florida Power Corporation (FPC) Crystal River Unit 3 (CR-3) Technical Specification 5.7.2.c requires the complete results of Once Through Steam Generator (OTSG) tube inservice inspections be submitted to the NRC within 12 months following completion of the inspection. Information to be contained within this special report includes:

1. Number and extent of tubes inspected,
2. Location and percent of wall-thickness penetration for each indication of an imperfection, and
3. Identification of tubes plugged and tubes sleeved.

This report provides the required information for the OTSG tube inservice inspection conducted during the ninth CR-3 refueling outage (9R). The report is arranged into three sections, each one addressing a line item specified in Technical Specification 5.7.2.c

1. NUMBER AND EXTENT OF TUBES INSPECTED

During 9R, FPC performed bobbin coil eddy current testing (ECT) on approximately 25% of the tubes in each OTSG. The inspection consisted of a random sample of tubes from each OTSG, tubes from special interest areas such as the lane-wedge region, tubes with previously recorded wall loss (1-39% through-wall) and tubes containing low signal-to-noise indications (S/N). The total bobbin inspection of the "A" OTSG consisted of 3,869 tubes. The total bobbin inspection of the "B" OTSG consisted of 3,883 tubes. A more detailed discussion of the bobbin coil inspection results for both OTSGs is provided in Section 2 of this report.

Based upon the bobbin coil examinations, motorized rotating pancake coil (MRPC) examinations were performed on selected tubes including those with S/N indications, selected manufacturing buff marks, and non-quantifiable indications. A supplemental MRPC inspection was also performed, in accordance with NRC Confirmatory Action Letter 2-94-004, to support use of an alternate disposition strategy for S/N indications during 9R. Refer to FPC's letter to the NRC, letter number 3F0594-01, dated May 25, 1994 for additional details of this inspection.

Inservice testing was also performed utilizing crosswound/bobbin and Rotating Field Eddy Current (RFEC) probes. However, this testing was not utilized to satisfy the requirements of Technical Specifications and therefore, is not discussed further within this report.

2. LOCATION AND PERCENT WALL-LOSS FOR EACH INDICATION OF AN IMPERFECTION

The following Tables provide information on each indication of an imperfection found during the 9R inspection. The Tables are segregated on the basis of severity of wall-penetration (< 20% through-wall (TW), \geq 20% TW but < 40% TW, and \geq 40% TW). Tables 2-1 through 2-3 provide relevant data for the "A" OTSG while Tables 2-4 through 2-6 provide similar information for the "B" OTSG.

Reporting is based upon current CR-3 Technical Specifications (Reference ITS 5.6.2.10) criteria; i.e., depth-based acceptance criteria. As previously noted in the introductory section of this report, an alternate disposition strategy was utilized for low signal-to-noise (S/N) indications during 9R. S/N indications are not considered imperfections in accordance with the current Technical Specification nomenclature and treatment. Accordingly, an estimation and assignment of percent through-wall penetration has not been made for these indications. However, a complete listing of all S/N indications is included within this report (Appendix A) recognizing that many of these indications are representative of actual in-service degradation.

TABLE 2-1
OTSG "A" TUBES CONTAINING INDICATIONS \geq 40% TW
There were no tubes in this category.

TABLE 2-2
OTSG "A" TUBES CONTAINING INDICATIONS \geq 20% but < 40% TW

Tube (Row/ Column)	Location (Inches)	% Wall-Penetration
11-7	12S + 0.62	38%
15-30	06S + 0.76	30%
27-91	LTS + 0.24	30%
71-47	11S + 25.82	27%
73-128	10S + 0.00	23%
134-3	12S + 0.68	30%
146-50	10S + 0.00	22%

TABLE 2-3
OTSG "A" TUBES CONTAINING INDICATIONS <20% TW

Tube (Row/ Column)	Location (Inches)	% Wall-Penetration
27-89	LTE + 5.09	12%
36-78	06S + 0.11	07%
42-40	06S + 10.01	03%
57-1	10S + 0.00	07%
79-40	10S - 0.52	16%
113-68	06S + 18.31	09%
146-34	08S + 0.00	02%

TABLE 2-4
OTSG "B" TUBES CONTAINING INDICATIONS ≥40% TW

Tube (Row/ Column)	Location (Inches)	% Wall-Penetration
26-10	LTS + 0.28	49%
41-53	03S + 0.73	41%
92-28	LTS + 10.93	55%

TABLE 2-5
OTSG "B" TUBES CONTAINING INDICATIONS >20% but <40% TW

Tube (Row/ Column)	Location (Inches)	% Wall-Penetration
23-68	LTE + 11.48	20%
63-69	07S - 0.74	36%
65-119	05S + 0.59	21%
66-126	04S + 0.68	27%
69-112	04S + 0.68	32%
76-64	07S - 0.70	37%
78-123	09S + 0.60	22%
79-22	11S - 0.46	25%
81-65	10S - 0.71	31%
89-34	LTS + 12.45	35%
106-61	07S - 0.86	32%
129-34	07S - 0.81	22%
132-48	07S - 0.80	30%
140-15	07S - 0.77	20%
144-49	07S - 0.81	28%
144-57	07S - 0.84	26%
148-38	07S + 1.02	31%

TABLE 2-6
OTSG "B" TUBES CONTAINING INDICATIONS <20% TW

Tube (Row/ Column)	Location (Inches)	% Wall-Penetration
65-121	05S + 0.62	19%
100-33	UTS + 19.82	02%
109-84	07S - 0.76	15%
121-45	07S - 0.78	19%
122-93	15S + 15.58	01%
122-93	13S + 26.52	01%

3. IDENTIFICATION OF TUBES PLUGGED AND SLEEVED

Tables 3-1 and 3-2 provide listings of tubes plugged in the "A" and "B" OTSG, respectively, during 9R. A total of twenty tubes (seven (7) tubes in "A" and 13 in "B") were plugged. The location of the limiting indication and a brief note on the reason for removing the tube from service is also provided.

Implementation of the alternate disposition strategy for S/N indications during 9R resulted in removal of a number of OTSG tubes from service for reasons other than exceeding the plugging/ sleeving limit specified in current Technical Specification 5.6.2.10. Tubes plugged as a result of the alternate disposition strategy are also included in Tables 3-1 and 3-2 along with several other tubes which were plugged for administrative reasons.

FPC installed a total of 326 sleeves (163 in "A" and 163 in "B") in the CR-3 OTSGs during 9R. These sleeves were not used to span in-service degradation, but rather were installed as a proactive preventative measure. The sleeves were installed in the upper tube sheet of selected lane/ wedge region tubes in each OTSG. Based upon operating experience gained from other OTSGs, tubing in this region is susceptible to through-wall cracks in the upper span as a result of high-cycle fatigue. Table 3-3 contains the list of tubes in which sleeves were installed during 9R.

TABLE 3-1
OTSG "A" Tubes Plugged

Tube	Location(Inches)	Reason for Plugging
22-79	11S + 0.61	Bobbin Voltage \geq 2V
27-91	Various (32 indications)	Administrative (MRPC Confirmed as wear)
28-92	08S + 0.63	Axial Extent \geq 0.25"
28-93	08S + 0.61	Axial Extent \geq 0.25"
34-72	02S + 14.64	Administrative (Based on Refuel 8 data)
73-85	05S + 13.59	Bobbin Voltage \geq 2V
77-37	N/A	Foreign Object

TABLE 3-2
OTSG "B" Tubes Plugged

Tube	Location(Inches)	Reason for Plugging
26-10	LTS + 0.28	$\geq 40\%$ TW
32-71	06S - 1.04	Axial Extent ≥ 0.25 "
41-53	03S - 0.73	$\geq 40\%$ TW
54-98	05S - 0.28	Axial Extent ≥ 0.25 "
70-125	12S + 0.35	Administrative (Based on Refuel 8 data)
85-124	08S + 0.52	Axial Extent ≥ 0.25 "
92-28	LTS + 10.93	$\geq 40\%$ TW
97-43	LTS + 17.95	Bobbin Voltage $\geq 2V$
119-63	07S - 0.79	Axial Extent ≥ 0.25 "
68-46	N/A	Pulled Tube
72-49	N/A	Pulled Tube
136-26	N/A	Pulled Tube
109-71	N/A	Pulled Tube

TABLE 3-3
Sleeves Installed During 9R

OTSG "A" Sleeve Locations by Row and Column							
70-1	74-8	74-29	75-21	77-1	77-25	78-7	78-28
71-1	74-9	75-1	75-22	77-2	77-27	78-8	78-29
71-2	74-10	75-2	75-23	77-6	77-28	78-9	79-1
71-3	74-11	75-3	75-24	77-7	77-29	78-10	79-2
72-1	74-12	75-4	75-25	77-8	77-30	78-11	79-3
72-2	74-13	75-5	75-26	77-9	77-31	78-12	79-4
72-3	74-14	75-6	75-27	77-10	77-32	78-13	79-5
72-4	74-15	75-7	75-28	77-11	77-33	78-14	79-6
73-1	74-16	75-8	75-29	77-12	77-34	78-15	80-1
73-2	74-17	75-9	75-30	77-13	77-35	78-16	80-2
73-3	74-18	75-10	75-31	77-14	77-36	78-17	80-3
73-4	74-19	75-11	75-32	77-15	77-38	78-18	80-4
73-5	74-20	75-12	75-33	77-16	77-39	78-19	81-1
73-6	74-21	75-13	75-34	77-17	77-40	78-20	81-2
74-1	74-22	75-14	75-35	77-18	77-41	78-21	81-3
74-2	74-23	75-15	75-36	77-19	78-1	78-22	82-1
74-3	74-24	75-16	75-37	77-20	78-2	78-23	
74-4	74-25	75-17	75-38	77-21	78-3	78-24	
74-5	74-26	75-18	75-39	77-22	78-4	78-25	
74-6	74-27	75-19	75-40	77-23	78-5	78-26	
74-7	74-28	75-20	75-41	77-24	78-6	78-27	
OTSG "B" Sleeve Locations by Row and Column							
70-1	74-9	75-3	75-29	77-4	77-27	78-4	78-26
71-1	74-10	75-4	75-30	77-5	77-28	78-5	78-27
71-2	74-11	75-5	75-31	77-6	77-29	78-6	78-28
71-3	74-12	75-6	75-32	77-7	77-30	78-7	78-29
72-1	74-13	75-7	75-33	77-8	77-31	78-8	79-1
72-2	74-14	75-8	75-34	77-9	77-32	78-9	79-2
72-3	74-15	75-9	75-35	77-10	77-33	78-10	79-3
72-4	74-17	75-10	75-36	77-11	77-35	78-11	79-5
73-2	74-18	75-11	75-37	77-13	77-36	78-12	79-6
73-3	74-19	75-14	75-38	77-14	77-37	78-14	80-1
73-4	74-20	75-15	75-39	77-15	77-38	78-15	80-2
73-5	74-21	75-16	75-40	77-16	77-39	78-16	80-3
73-6	74-23	75-19	75-41	77-17	77-40	78-17	80-4
74-1	74-24	75-21	75-42	77-18	77-43	78-18	81-1
74-2	74-25	75-22	75-43	77-19	77-44	78-19	81-2
74-3	74-26	75-23	75-44	77-20	77-45	78-20	81-3
74-4	74-27	75-24	75-46	77-21	77-46	78-21	
74-5	74-28	75-25	75-47	77-22	77-47	78-22	
74-6	74-29	75-26	77-1	77-23	78-1	78-23	
74-7	75-1	75-27	77-2	77-24	78-2	78-24	
74-8	75-2	75-28	77-3	77-26	78-3	78-25	

Appendix A
S/N Indications

OTSG	TUBE DESIGNATION	AMPLITUDE (VOLTS)	LOCATION
A	002-8	1.62	12S+0.60
A	004-18	0.76	03S+9.58
A	006-7	0.57	12S+0.70
A	006-26	0.33	11S+16.19
A	006-26	0.41	13S+9.46
A	006-26	0.46	13S+7.0
A	006-26	0.51	14S+22.29
A	006-26	0.62	14S+7.31
A	007-27	0.3	10S-0.78
A	007-27	0.71	07S-0.84
A	007-27	1.05	08S+0.70
A	008-21	0.87	07S+0.73
A	008-29	0.43	12S+23.44
A	008-30	0.19	15S+9.43
A	008-30	0.37	07S+9.84
A	008-30	0.37	06S+28.65
A	008-30	0.38	15S+15.68
A	008-30	0.4	10S+12.88
A	008-30	0.41	07S+19.54
A	008-30	0.43	10S+23.54
A	008-30	0.45	10S+22.53
A	008-30	0.46	LTS+21.33
A	008-30	0.47	LTS+11.88
A	008-30	0.48	LTS+30.22
A	008-30	0.5	04S+20.10
A	008-30	0.51	06S+29.61
A	008-30	0.57	09S+4.71
A	008-30	0.57	10S+13.89
A	008-30	0.58	09S+5.7
A	008-30	0.6	06S+20.14
A	008-30	0.63	08S+6.89
A	008-30	0.68	07S+8.86
A	008-30	0.71	07S+18.48
A	008-30	0.73	LTS+20.4
A	008-30	0.79	LTS+20.4
A	008-30	1.22	LTS+1.17
A	008-30	0.66	LTE+8.28
A	008-30	0.66	08S+0.58
A	008-30	0.72	07S+0.69
A	008-31	0.42	09S+18.95
A	008-45	0.46	07S+0.69
A	008-47	0.54	07S+0.66
A	009-31	0.21	02S+3.81
A	009-34	0.39	12S+0.67
A	010-6	0.75	12S+0.58
A	011-14	0.26	08S+0.71
A	011-14	0.32	08S-0.8
A	012-7	0.55	07S+0.73

Appendix A
S/N Indications

OTSG	TUBE DESIGNATION	AMPLITUDE (VOLTS)	LOCATION
A	012-9	0.54	12S+0.64
A	012-70	0.73	10S+0.66
A	13-47	0.55	LTS+28.7
A	13-57	0.51	02S+22.27
A	14-8	0.71	07S-0.62
A	16-7	0.29	07S-0.69
A	16-8	0.32	07S-0.74
A	16-9	0.26	12S+0.66
A	16-9	0.37	07S-0.71
A	16-41	0.55	11S+16.24
A	16-47	0.39	01S+20.31
A	17-9	0.19	08S-0.74
A	17-9	0.38	07S-0.66
A	17-75	0.43	08S+0.72
A	18-9	0.27	08S-0.68
A	18-9	0.48	07S-0.66
A	18-25	0.64	09S+0.63
A	18-74	0.9	06S+0.66
A	19-3	0.89	12S+0.66
A	19-30	0.34	03S+0.67
A	19-84	0.37	08S-0.82
A	20-65	0.64	15S+11.76
A	20-65	0.39	03S+0.65
A	21-1	0.37	11S+0.69
A	21-39	0.97	02S+35.15
A	22-59	0.72	10S+0.77
A	22-79	2.71	11S+0.61
A	23-91	0.66	08S-0.87
A	24-7	0.28	08S-0.77
A	24-7	0.6	12S+0.63
A	24-86	0.98	08S+31.07
A	24-88	0.38	14S+6.46
A	24-88	0.5	08S+26.32
A	24-88	0.56	12S+4.41
A	24-88	0.61	13S+15.47
A	24-88	0.61	13S+15.52
A	24-88	0.62	11S+5.98
A	24-88	0.75	10S+13.59
A	24-88	0.88	11S+14.75
A	24-88	0.91	11S+24.27
A	24-88	0.53	07S+0.69
A	24-88	0.67	08S-0.82
A	24-89	0.43	14S+4.58
A	24-89	0.45	13S+4.96
A	24-89	0.48	14S+14.57
A	24-89	0.75	13S+31.53
A	24-89	0.91	14S+5.76
A	25-7	0.47	08S-0.63

Appendix A
S/N Indications

OTSG	TUBE DESIGNATION	AMPLITUDE (VOLTS)	LOCATION
A	26-90	0.63	15S+21.30
A	26-90	0.78	15S+40.20
A	26-95	0.72	08S-0.72
A	27-89	0.64	15S+32.53
A	27-89	0.68	15S+32.02
A	27-89	0.84	15S+22.54
A	27-89	1.2	15S+33.9
A	27-89	1.5	15S+34.79
A	27-89	1.81	15S+34.33
A	27-89	0.61	LTE+3.93
A	27-89	1.26	04S-0.58
A	27-89	1.41	LTE+6.51
A	27-91	0.4	08S+23.35
A	27-91	0.4	11S+3.01
A	27-91	0.45	09S+21.35
A	27-91	0.46	02S+10.46
A	27-91	0.48	11S+10.58
A	27-91	0.54	13S+31.28
A	27-91	0.56	11S+11.54
A	27-91	0.56	09S+31.07
A	27-91	0.57	14S+2.88
A	27-91	0.63	02S+20.24
A	27-91	0.66	11S+21.45
A	27-91	0.66	07S+25.06
A	27-91	0.66	12S+20.46
A	27-91	0.69	08S+0.64
A	27-91	0.7	LTS+19.54
A	27-91	0.75	LTS+38.36
A	27-91	0.75	07S+15.21
A	27-91	0.78	08S+3.47
A	27-91	0.83	13S+12.58
A	27-91	0.84	06S+35.86
A	27-91	0.86	11S+2.11
A	27-91	0.91	15S+24.93
A	27-91	0.91	07S+6.61
A	27-91	0.92	13S+12.98
A	27-91	1	12S+30.32
A	27-91	1.13	LTS+37.94
A	27-91	0.68	LTE+15.57
A	27-91	0.8	LTE+14.33
A	27-91	0.87	08S+13.36
A	27-91	1.37	LTE+15.19
A	27-91	0.52	07S-0.77
A	27-93	0.74	08S+12.0
A	27-93	0.91	08S+0.59
A	27-94	0.57	14S+7.18
A	28-3	0.77	01S+19.20
A	28-92	0.34	11S+3.16

Appendix A
S/N Indications

OTSG	TUBE DESIGNATION	AMPLITUDE (VOLTS)	LOCATION
A	28-92	0.35	10S+31.55
A	28-92	0.36	10S+11.18
A	28-92	0.4	12S+21.98
A	28-92	0.4	08S+15.64
A	28-92	0.51	12S+3.08
A	28-92	0.56	10S+21.69
A	28-92	0.6	09S+14.22
A	28-92	0.67	09S+23.11
A	28-92	0.67	11S+4.4
A	28-92	0.68	08S-0.73
A	28-92	0.83	11S+13.48
A	28-93	0.76	07S-0.74
A	28-93	0.83	08S+0.61
A	28-95	0.52	08S+0.63
A	29-73	1.04	03S+12.16
A	31-11	0.77	09S+0.45
A	31-32	1.17	10S+0.7
A	31-59	0.78	11S+17.43
A	33-52	0.48	11S+35.22
A	34-72	0.85	02S+15.67
A	35-59	1.53	12S+12.36
A	35-89	0.3	05S-0.98
A	36-113	0.44	02S-0.78
A	37-113	1.4	11S+0.72
A	37-114	0.61	11S+0.69
A	39-1	1.13	LTS+23.46
A	40-69	0.28	10S+28.65
A	40-117	0.66	13S+28.69
A	41-15	0.6	15S+14.88
A	41-116	0.82	12S+0.67
A	41-116	1.15	11S-0.75
A	42-67	0.33	02S+36.11
A	42-68	1.19	11S+3.79
A	42-69	0.49	09S+23.93
A	43-6	0.39	09S+0.62
A	43-16	0.43	04S+22.42
A	43-118	0.41	12S+0.65
A	47-58	1.83	05S+22.50
A	47-69	0.93	LTS+42.26
A	52-11	0.54	03S+0.69
A	53-125	0.31	13S+0.75
A	53-125	0.38	07S+0.81
A	55-96	0.9	03S+0.74
A	56-1	0.68	12S+0.56
A	56-3	0.55	10S+0.71
A	56-6	0.58	09S+0.59
A	57-2	0.51	08S+0.67
A	57-122	0.5	08S+31.21

Appendix A
S/N Indications

OTSG	TUBE DESIGNATION	AMPLITUDE (VOLTS)	LOCATION
A	58-6	0.35	09S+0.61
A	58-123	1.22	09S+14.11
A	58-125	1.09	13S+25.60
A	59-2	0.65	08S+0.61
A	60-1	0.51	10S+0.67
A	60-65	0.27	12S+8.70
A	60-91	0.21	12S+16.46
A	60-91	0.41	10S+17.71
A	60-103	0.61	04S+0.68
A	61-1	0.93	09S+0.59
A	61-88	0.22	03S+30.04
A	61-88	0.28	01S+19.55
A	61-88	0.33	02S+30.16
A	61-88	0.35	04S+9.68
A	61-88	0.38	01S+20.01
A	61-88	0.45	10S+8.81
A	61-124	0.35	08S-0.8
A	61-124	0.93	10S+0.62
A	62-4	0.68	07S-0.72
A	62-5	0.41	09S+0.56
A	62-5	0.42	07S-0.76
A	62-128	0.37	11S+0.0
A	62-128	0.58	08S+0.0
A	62-128	1.26	10S+0.0
A	63-128	0.15	LTS+21.27
A	63-128	0.23	LTS+20.26
A	63-128	0.26	LTS+19.17
A	63-128	0.31	LTS+18.63
A	63-128	0.32	LTS+17.54
A	63-128	0.42	LTS+18.34
A	63-128	0.5	LTS+20.72
A	63-128	0.62	LTS+17.88
A	63-128	1.34	LTS+16.57
A	63-128	0.42	08S+0.0
A	63-128	0.7	10S+0.0
A	64-69	0.39	01S+9.7
A	64-69	0.39	05S+14.08
A	65-87	0.82	04S+0.66
A	65-129	0.7	10S+0.0
A	66-128	0.45	08S-0.81
A	66-130	0.49	12S+0.0
A	67-62	1.14	10S+0.68
A	67-73	0.34	12S+23.93
A	68-22	0.57	12S+0.67
A	68-130	0.3	08S-0.84
A	68-130	0.38	11S-0.81
A	68-130	0.4	10S+0.6
A	69-76	0.31	02S+32.44

Appendix A
S/N Indications

OTSG	TUBE DESIGNATION	AMPLITUDE (VOLTS)	LOCATION
A	69-131	0.48	10S+0.58
A	71-69	0.33	01S+18.84
A	71-90	1.36	11S+8.47
A	72-23	0.36	07S+0.64
A	72-61	0.4	09S-0.74
A	72-127	0.8	10S-0.56
A	73-85	2.09	05S+13.59
A	75-124	0.55	10S+0.0
A	75-124	0.65	11S+0.0
A	76-122	0.86	09S+0.0
A	78-80	0.3	LTS+24.31
A	78-107	0.67	UTS+8.62
A	78-123	0.67	08S-0.74
A	79-126	0.45	10S-0.81
A	79-128	0.83	10S+0.48
A	80-29	0.67	10S-0.75
A	80-39	0.45	10S-0.75
A	81-21	0.38	10S-0.77
A	81-59	0.26	08S-0.8
A	81-131	0.47	11S-0.76
A	82-40	0.42	08S-0.77
A	82-53	0.45	10S+0.62
A	82-58	0.35	10S+0.68
A	82-72	0.54	11S+27.51
A	82-72	0.67	11S+32.17
A	82-130	0.7	LTS+24.67
A	82-130	0.57	11S-0.66
A	84-66	0.5	07S-0.79
A	85-9	0.57	08S-0.79
A	85-46	0.26	09S-0.7
A	86-74	0.57	11S+16.06
	86-74	0.29	11S+20.01
A	86-96	0.57	15S+21.62
A	88-53	0.74	09S+0.7
A	88-129	0.6	08S-0.82
A	89-18	0.68	LTE+20.42
A	89-73	0.25	04S+0.68
A	90-9	0.7	08S-0.74
A	90-72	0.91	12S+15.38
A	90-74	0.32	06S+12.34
A	91-37	0.68	01S+27.75
A	92-16	0.38	06S+0.65
A	94-17	0.27	12S+0.64
A	94-129	0.85	08S-0.7
A	95-74	0.39	04S+0.6
A	95-109	0.4	12S+9.14
A	96-70	0.66	04S+0.71
A	96-83	0.48	06S+3.05

Appendix A
S/N Indications

OTSG	TUBE DESIGNATION	AMPLITUDE (VOLTS)	LOCATION
A	96-83	0.62	03S+35.55
A	96-83	0.78	06S+27.24
A	98-7	0.32	07S-0.79
A	98-73	0.3	02S+3.77
A	98-99	0.35	07S+0.56
A	100-71	0.31	01S+12.15
A	101-79	0.41	04S+0.65
A	104-119	0.41	12S+20.64
A	107-31	0.44	09S+0.68
A	107-31	0.57	03S+0.51
A	108-68	0.41	LTS+40.45
A	108-70	0.52	11S+32.12
A	108-86	0.32	05S+3.47
A	108-86	0.46	10S+27.99
A	109-72	0.74	03S+18.66
A	110-20	0.61	LTE+19.32
A	111-66	0.49	05S+18.83
A	111-68	0.47	15S+10.16
A	113-112	0.49	14S+9.73
A	114-109	0.4	07S-0.92
A	115-3	0.46	08S+0.66
A	120-77	0.64	04S+2.36
A	121-32	0.51	05S-0.7
A	121-72	0.66	03S+38.27
A	125-63	0.55	08S+0.7
A	125-80	0.57	04S+0.67
A	127-60	0.59	09S+0.71
A	129-69	0.47	04S+23.49
A	130-1	0.61	08S+0.71
A	131-84	0.54	07S-0.87
A	131-89	0.89	15S+5.49
A	133-3	0.52	10S-0.73
A	133-57	0.29	07S+20.64
A	135-63	0.58	03S+34.01
A	135-63	0.98	05S+12.96
A	135-71	1.64	09S-0.86
A	136-49	0.43	10S+33.09
A	136-80	0.68	08S-0.67
A	138-75	0.56	08S-0.59
A	140-55	0.72	11S+20.25
A	140-70	0.43	08S-0.75
A	142-55	0.38	07S-0.84
A	143-48	0.46	07S-0.81
A	146-7	0.34	07S+0.71
A	146-7	0.41	08S-0.8
A	146-7	0.52	08S+0.68
A	146-21	0.55	07S-0.83
A	146-22	0.82	07S-0.86

Appendix A
S/N Indications

OTSG	TUBE DESIGNATION	AMPLITUDE (VOLTS)	LOCATION
A	146-26	0.49	07S-0.97
A	146-34	0.66	07S-0.11
A	147-45	0.24	03S+7.5
A	147-45	0.24	04S+14.18
A	147-45	0.24	03S+25.33
A	147-45	0.28	03S+18.53
A	147-45	0.29	05S+14.99
A	147-45	0.32	03S+5.87
A	147-45	0.36	01S+4.26
A	147-45	0.37	12S+12.43
A	147-45	0.38	11S+14.63
A	147-45	0.38	03S+36.39
A	147-45	0.4	03S+3.08
A	147-45	0.49	11S+32.56
A	147-45	0.53	12S+18.88
A	147-45	0.56	02S+30.75
A	148-1	0.4	07S-0.85
A	148-3	0.65	11S+0.56
A	148-36	0.72	10S+0.0
A	149-11	0.91	08S-0.77
A	149-19	0.97	12S-0.79
A	149-19	0.96	10S+0.0
A	149-20	0.79	10S+0.0
A	149-21	0.87	10S+0.0
A	149-28	1.33	10S+0.0
A	150-7	0.72	10S-0.74
A	150-15	0.79	10S+0.0
A	150-16	0.94	10S+0.0
A	150-17	0.63	10S-0.30
A	150-18	0.72	10S-0.57

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S/N Indications

OTSG	TUBE DESIGNATION	AMPLITUDE (VOLTS)	LOCATION
B	2-21	0.75	10S - 0.68
B	3-24	0.28	09S - 0.81
B	4-12	0.35	08S - 0.78
B	4-16	0.46	08S - 0.78
B	4-19	0.67	09S + 0.62
B	4-24	0.49	09S - 0.85
B	4-40	0.26	LTS + 9.60
B	5-38	0.25	07S + 0.65
B	5-38	0.71	09S - 0.82
B	5-44	0.32	09S - 0.84
B	6-9	0.37	10S - 0.82
B	6-9	0.44	08S + 0.62
B	6-44	0.44	07S - 0.76
B	6-44	0.69	09S - 0.81
B	6-46	0.68	08S - 0.77
B	6-49	0.29	09S - 0.82
B	7-10	0.79	08S + 0.57
B	7-11	1.41	12S + 27.90
B	7-11	0.31	08S - 0.86
B	7-16	0.31	08S - 0.91
B	7-19	0.38	03S - 0.67
B	7-20	0.98	07S + 0.56
B	7-21	0.24	03S - 0.72
B	7-26	0.24	09S - 0.79
B	7-26	0.29	12S - 0.86
B	7-26	0.42	07S + 0.64
B	7-28	0.46	08S + 0.53
B	7-29	0.24	09S + 0.65
B	7-29	0.40	08S - 0.52
B	7-29	0.40	08S - 0.55
B	7-29	0.43	09S - 0.82
B	7-29	0.69	07S + 0.66
B	7-30	0.53	07S - 0.00
B	7-30	0.58	04S - 0.85
B	7-30	0.95	09S - 0.00
B	7-30	1.06	08S + 0.00
B	8-4	0.41	10S - 0.81
B	8-15	0.56	07S + 0.64
B	8-21	0.23	06S - 0.72
B	8-21	0.32	08S + 0.52
B	8-22	0.35	08S + 0.53
B	8-49	0.45	08S + 0.64
B	10-9	0.36	08S + 0.48
B	10-12	0.79	09S - 0.81
B	10-27	0.61	09S - 0.83
B	12-1	0.50	13S + 0.71
B	12-1	0.80	08S - 0.81
B	13-9	0.45	08S - 0.83
B	13-22	0.40	07S - 0.90

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OTSG	TUBE DESIGNATION	AMPLITUDE (VOLTS)	LOCATION
B	13-27	0.41	03S - 0.72
B	13-30	0.22	09S - 0.86
B	13-43	1.64	09S - 0.82
B	14-7	0.53	09S - 0.95
B	14-34	0.82	07S - 0.86
B	15-2	0.57	10S + 26.32
B	15-3	0.56	09S - 0.81
B	15-5	0.64	08S - 0.87
B	15-35	0.72	09S - 0.85
B	16-6	0.30	09S - 0.83
B	16-38	0.45	07S - 0.72
B	16-80	1.24	09S - 0.83
B	17-74	1.53	07S - 0.79
B	18-21	0.63	03S - 0.77
B	19-6	0.48	09S - 0.90
B	19-30	0.63	07S - 0.86
B	20-50	0.53	07S - 0.11
B	21-33	0.32	03S - 0.69
B	21-40	0.42	07S - 0.77
B	21-40	0.69	09S - 0.82
B	22-5	0.56	08S - 0.81
B	22-35	0.60	07S - 0.81
B	23-12	0.32	08S - 0.84
B	23-36	0.66	03S - 0.72
B	25-4	0.62	LTS + 24.58
B	25-8	0.44	08S + 24.87
B	25-8	0.44	09S + 14.84
B	25-8	0.59	13S + 7.34
B	25-8	0.70	08S + 5.30
B	25-8	0.76	15S + 41.49
B	25-8	0.78	15S + 41.94
B	25-8	0.78	15S + 22.01
B	25-10	1.19	15S + 23.46
B	25-10	1.21	15S + 24.76
B	25-10	0.41	LTE + 19.08
B	25-10	0.81	LTE + 4.20
B	25-10	1.06	LTE + 20.14
B	25-10	1.18	09S + 0.51
B	25-10	1.20	LTE + 20.88
B	25-10	1.35	LTE + 21.83
B	26-9	0.38	09S + 12.13
B	26-9	0.47	11S + 12.16
B	26-9	0.52	10S + 10.03
B	26-9	0.26	09S + 2.82
B	26-9	0.66	09S + 0.57
B	26-10	0.46	02S + 4.23
B	26-10	0.86	15S + 21.40
B	26-10	0.89	15S + 17.35
B	26-10	1.08	15S + 17.91

Appendix A
S/N Indications

OTSG	TUBE DESIGNATION	AMPLITUDE (VOLTS)	LOCATION
B	26-10	0.67	UTS + 18.89
B	26-10	1.01	UTS + 17.72
B	26-10	1.13	LTE + 5.24
B	26-10	1.42	LTE + 5.75
B	26-10	0.43	09S + 0.00
B	26-10	1.09	08S + 0.00
B	26-26	0.50	03S - 0.80
B	26-71	0.57	LTS + 2.97
B	27-5	0.52	09S - 0.79
B	27-71	1.42	LTS + 2.91
B	27-92	0.60	15S + 21.99
B	27-94	0.56	14S + 13.01
B	27-94	0.59	12S + 11.15
B	27-94	0.70	11S + 9.56
B	27-94	0.73	11S + 29.24
B	28-6	0.54	09S - 0.85
B	28-95	0.38	13S + 5.33
B	28-95	0.59	13S + 5.76
B	29-42	0.52	03S - 0.69
B	29-42	0.53	LTS - 1.25
B	30-6	0.32	07S - 0.73
B	30-11	0.39	08S - 0.70
B	30-14	0.43	09S - 0.84
B	30-41	0.58	03S - 0.69
B	31-7	0.61	08S - 0.81
B	31-8	0.37	07S + 0.64
B	31-52	0.35	14S + 13.40
B	32-71	0.75	06S - 1.04
B	33-8	0.31	09S + 0.56
B	33-8	0.75	07S + 0.67
B	34-8	0.34	09S - 0.93
B	34-37	0.31	LTS + 22.42
B	34-37	0.36	LTS + 9.45
B	34-37	0.41	LTS + 9.17
B	34-37	0.49	LTS + 23.58
B	34-37	0.50	LTS + 25.74
B	34-37	0.52	LTS + 26.66
B	34-44	0.31	03S - 0.69
B	34-70	0.37	13S + 18.91
B	35-20	0.93	04S - 0.69
B	35-38	0.27	LTS + 20.59
B	35-38	0.28	LTS + 6.63
B	35-38	0.36	LTS + 8.21
B	35-38	0.36	LTS + 24.22
B	35-38	0.39	LTS + 14.35
B	35-38	0.56	LTS + 24.74
B	35-38	0.70	LTS + 27.53
B	35-42	0.87	09S - 0.82
B	36-40	0.31	LTS + 30.22

Appendix A
S/N Indications

OTSG	TUBE DESIGNATION	AMPLITUDE (VOLTS)	LOCATION
B	36-40	0.44	LTS + 10.68
B	36-40	0.49	LTS + 26.46
B	36-40	0.49	LTS + 8.19
B	36-40	0.60	LTS + 21.42
B	36-40	0.65	LTS + 7.03
B	36-40	0.71	LTS + 28.34
B	36-40	0.93	LTS + 23.11
B	36-44	0.57	LTS + 7.75
B	36-7	0.35	07S + 0.64
B	36-36	0.52	07S - 0.90
B	36-47	0.72	07S - 0.83
B	37-8	0.56	07S + 0.61
B	37-12	0.59	09S - 0.72
B	37-18	0.63	03S - 0.79
B	37-40	0.23	LTS + 13.93
B	37-40	0.27	LTS + 6.64
B	37-40	0.29	LTS + 25.54
B	37-40	0.29	LTS + 29.88
B	37-40	0.32	LTS + 13.04
B	37-40	0.37	LTS + 12.65
B	37-40	0.46	LTS + 22.99
B	37-40	0.62	LTS + 25.27
B	37-40	0.68	LTS + 23.54
B	37-40	0.74	LTS + 5.89
B	37-40	0.77	LTS + 9.39
B	37-40	0.90	LTS + 27.32
B	37-41	0.32	LTS + 22.52
B	37-41	0.35	LTS + 29.13
B	37-41	0.74	LTS + 7.11
B	37-44	0.26	LTS + 15.08
B	37-44	0.30	LTS + 7.46
B	37-44	0.64	LTS + 5.86
B	37-44	0.66	LTS + 8.52
B	37-44	0.69	LTS + 26.41
B	37-48	0.81	07S - 0.68
B	38-8	0.41	08S - 0.79
B	38-38	0.95	09S - 0.82
B	38-41	0.17	LTS + 30.27
B	38-41	0.23	LTS + 14.10
B	38-41	0.25	LTS + 28.23
B	38-41	0.25	LTS + 8.55
B	38-41	0.26	LTS + 11.52
B	38-41	0.29	LTS + 13.20
B	38-41	0.38	LTS + 24.02
B	38-41	0.41	LTS + 10.90
B	38-41	0.50	LTS + 7.09
B	38-41	0.53	LTS + 26.85
B	38-41	0.53	LTS + 8.19
B	38-41	0.56	LTS + 10.15

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S/N Indications

OTSG	TUBE DESIGNATION	AMPLITUDE (VOLTS)	LOCATION
B	38-41	0.64	LTS + 6.53
B	39-8	0.80	07S + 0.65
B	39-34	0.57	09S - 0.80
B	39-41	0.12	LTS + 11.91
B	39-41	0.22	LTS + 33.72
B	39-41	0.25	LTS + 26.56
B	39-41	0.28	LTS + 15.38
B	39-41	0.32	LTS + 28.64
B	39-41	0.37	LTS + 12.56
B	39-41	0.40	LTS + 25.17
B	39-41	0.44	LTS + 22.10
B	39-41	0.45	LTS + 24.10
B	39-41	0.46	LTS + 30.20
B	39-41	0.46	LTS + 10.13
B	39-41	0.49	LTS + 26.22
B	39-41	0.52	LTS + 11.23
B	39-41	0.59	LTS + 8.24
B	39-41	1.27	LTS + 9.62
B	39-42	0.25	LTS + 8.05
B	39-42	0.28	LTS + 30.82
B	39-42	0.31	LTS + 10.61
B	39-42	0.32	LTS + 8.70
B	39-42	0.33	LTS + 23.10
B	39-42	0.37	LTS + 11.76
B	39-42	0.37	LTS + 15.38
B	39-42	0.39	LTS + 7.49
B	39-42	0.40	LTS + 6.96
B	39-42	0.44	LTS + 25.48
B	39-42	0.46	LTS + 11.96
B	39-42	0.47	LTS + 15.72
B	39-42	0.54	LTS + 30.40
B	39-42	0.61	LTS + 10.10
B	39-42	0.68	LTS + 21.84
B	39-42	0.72	LTS + 9.15
B	39-42	0.79	LTS + 14.26
B	39-42	0.86	LTS + 29.64
B	39-44	0.12	LTS + 14.60
B	39-44	0.58	07S - 0.71
B	39-45	0.57	LTS + 25.20
B	39-45	0.78	LTS + 8.31
B	39-46	0.37	LTS + 6.20
B	39-49	0.69	03S - 0.67
B	39-52	0.61	09S - 0.81
B	39-61	0.56	09S - 0.79
B	40-8	0.44	07S + 0.77
B	40-9	0.41	07S + 0.60
B	40-35	0.50	02S - 0.80
B	40-42	0.19	LTS + 29.23
B	40-42	0.22	LTS + 27.40

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OTSG	TUBE DESIGNATION	AMPLITUDE (VOLTS)	LOCATION
B	40-42	0.31	LTS + 9.44
B	40-42	0.32	LTS + 10.47
B	40-42	0.47	LTS + 7.88
B	40-44	0.17	LTS + 16.42
B	40-44	0.18	LTS + 14.39
B	40-44	0.20	LTS + 8.69
B	40-44	0.24	LTS + 8.44
B	40-44	0.46	LTS + 15.58
B	40-45	0.28	LTS + 8.31
B	40-47	0.17	LTS + 12.69
B	40-47	0.32	LTS + 5.66
B	40-47	0.53	LTS + 13.22
B	40-47	0.56	LTS + 8.72
B	40-49	0.75	07S - 0.77
B	40-52	0.85	07S - 0.79
B	40-116	0.34	09S - 0.32
B	41-7	0.41	07S + 0.68
B	41-45	0.21	LTS + 12.83
B	41-45	0.24	LTS + 9.16
B	41-45	0.41	LTS + 5.97
B	41-45	0.42	LTS + 13.24
B	41-47	0.17	LTS + 11.26
B	41-47	0.30	LTS + 9.11
B	41-47	0.38	LTS + 14.27
B	41-47	0.70	LTS + 9.36
B	41-56	0.54	03S - 0.81
B	42-39	0.18	LTS + 13.93
B	42-39	0.32	LTS + 7.82
B	42-41	0.34	LTS + 9.22
B	42-41	0.45	LTS + 10.48
B	42-41	0.49	LTS + 8.52
B	42-41	0.54	LTS + 7.29
B	42-42	0.21	LTS + 7.31
B	42-45	0.13	LTS + 14.28
B	42-45	0.16	LTS + 15.29
B	42-45	0.20	LTS + 11.33
B	42-45	0.25	LTS + 15.73
B	42-45	0.25	LTS + 12.31
B	42-45	0.32	LTS + 11.78
B	42-45	0.34	LTS + 10.08
B	42-45	0.37	LTS + 13.42
B	42-45	0.58	LTS + 6.27
B	42-48	0.32	LTS + 13.72
B	42-48	0.34	LTS + 15.37
B	42-48	0.38	LTS + 8.32
B	42-48	0.49	LTS + 9.16
B	42-69	0.63	03S - 0.79
B	43-40	0.20	LTS + 8.54
B	43-42	0.19	LTS + 6.48

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OTSG	TUBE DESIGNATION	AMPLITUDE (VOLTS)	LOCATION
B	43-42	0.31	LTS + 14.47
B	43-42	0.41	LTS + 15.79
B	43-42	0.52	LTS + 10.77
B	43-42	0.71	LTS + 9.34
B	43-44	0.60	03S - 0.74
B	43-45	0.20	LTS + 8.71
B	43-45	0.31	LTS + 6.37
B	43-45	0.37	LTS + 7.67
B	43-45	0.38	LTS + 16.15
B	43-49	0.20	LTS + 14.35
B	43-49	0.35	LTS + 8.57
B	43-76	0.71	11S + 31.91
B	43-80	0.69	12S + 6.70
B	44-22	0.47	03S - 0.79
B	44-42	0.47	LTS + 11.17
B	44-44	0.16	LTS + 10.72
B	44-44	0.18	LTS + 15.04
B	44-44	0.26	LTS + 11.70
B	44-44	0.29	LTS + 9.10
B	44-44	0.30	LTS + 10.94
B	44-44	0.44	LTS + 7.37
B	44-46	0.18	LTS + 13.32
B	44-46	0.29	LTS + 14.04
B	44-46	0.29	LTS + 9.50
B	44-46	0.32	LTS + 12.84
B	44-46	0.40	LTS + 15.10
B	44-46	0.42	LTS + 10.09
B	44-46	0.42	LTS + 8.89
B	44-46	0.72	LTS + 8.44
B	44-46	0.73	LTS + 12.09
B	44-48	0.38	07S - 0.71
B	44-77	0.60	03S + 38.07
B	45-7	0.99	07S + 0.77
B	45-35	1.27	07S - 0.75
B	45-37	0.24	LTS + 9.94
B	45-37	0.37	LTS + 6.56
B	45-37	0.38	LTS + 10.98
B	45-37	0.40	LTS + 8.71
B	45-45	0.43	LTS + 12.09
B	45-46	0.28	LTS + 7.73
B	45-46	0.40	LTS + 16.45
B	45-46	0.53	LTS + 15.63
B	45-46	0.54	LTS + 9.60
B	45-46	0.56	LTS + 5.83
B	45-46	0.59	LTS + 12.29
B	45-46	0.63	LTS + 11.21
B	45-46	0.76	LTS + 14.38
B	45-77	0.77	01S + 30.29
B	46-37	0.30	LTS + 8.68

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OTSG	TUBE DESIGNATION	AMPLITUDE (VOLTS)	LOCATION
B	46-37	0.36	LTS + 5.30
B	46-37	0.74	LTS + 6.47
B	46-37	0.85	LTS + 7.95
B	46-37	1.07	LTS + 10.54
B	46-41	0.25	LTS + 8.54
B	46-44	0.25	LTS + 11.92
B	46-44	0.28	LTS + 15.43
B	46-44	0.31	LTS + 8.43
B	46-44	0.41	LTS + 11.29
B	46-44	0.47	LTS + 7.25
B	46-44	0.48	LTS + 8.90
B	46-44	0.56	LTS + 24.39
B	46-44	0.58	LTS + 13.07
B	46-44	0.61	LTS + 6.51
B	46-44	0.78	LTS + 14.31
B	46-44	0.83	LTS + 10.11
B	46-44	0.91	LTS + 5.79
B	46-46	0.17	LTS + 12.00
B	46-46	0.28	LTS + 11.35
B	46-46	0.51	LTS + 13.03
B	46-46	0.53	LTS + 15.73
B	46-46	0.54	LTS + 8.40
B	46-67	0.67	07S - 0.78
B	46-79	0.26	09S - 1.57
B	46-110	0.35	08S - 0.79
B	47-7	0.33	08S + 0.54
B	47-7	0.82	07S + 0.67
B	47-31	1.03	13S + 9.55
B	47-48	0.26	LTS + 7.40
B	47-48	0.34	LTS + 14.30
B	47-48	0.43	LTS + 8.40
B	47-48	0.49	LTS + 6.35
B	47-48	0.60	LTS + 12.66
B	47-48	0.66	LTS + 8.65
B	47-48	0.70	LTS + 5.60
B	47-48	0.73	LTS + 14.71
B	47-48	0.84	LTS + 10.06
B	47-48	0.93	LTS + 11.36
B	48-7	0.28	LTS + 18.43
B	48-7	0.82	07S + 0.53
B	48-38	0.21	LTS + 15.36
B	48-38	0.34	LTS + 10.88
B	48-38	0.39	LTS + 12.65
B	48-38	0.61	LTS + 11.34
B	48-41	0.27	LTS + 12.61
B	48-47	0.22	LTS + 15.29
B	48-47	0.24	LTS + 11.27
B	48-47	0.32	LTS + 14.10
B	48-47	0.37	LTS + 6.90

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OTSG	TUBE DESIGNATION	AMPLITUDE (VOLTS)	LOCATION
B	48-47	0.44	LTS + 10.83
B	48-47	0.48	LTS + 15.95
B	48-47	1.04	LTS + 7.53
B	48-49	0.68	LTS + 13.73
B	49-4	0.38	08S + 0.69
B	49-8	0.35	07S + 0.77
B	49-35	0.20	LTS + 10.33
B	49-35	0.27	LTS + 11.26
B	49-35	0.30	LTS + 5.92
B	49-35	0.32	LTS + 9.69
B	49-35	0.56	LTS + 12.99
B	49-35	0.96	LTS + 7.35
B	49-38	0.33	LTS + 5.08
B	49-38	0.35	LTS + 11.23
B	49-38	0.38	LTS + 6.93
B	49-38	0.38	LTS + 9.02
B	49-38	0.45	LTS + 6.15
B	49-38	0.57	LTS + 13.19
B	49-38	0.61	LTS + 10.35
B	49-41	0.40	12S + 20.59
B	49-41	0.42	LTS + 12.39
B	49-42	0.18	LTS + 16.77
B	49-42	0.24	LTS + 24.94
B	49-42	0.49	LTS + 9.48
B	49-42	0.51	LTS + 15.32
B	49-42	0.53	LTS + 12.39
B	49-42	0.66	LTS + 8.87
B	49-47	0.38	LTS + 16.42
B	49-47	0.68	LTS + 10.34
B	49-47	0.72	LTS + 13.78
B	49-47	0.75	LTS + 12.82
B	49-47	0.48	03S - 0.74
B	49-48	0.24	LTS + 9.35
B	49-48	0.32	LTS + 9.96
B	49-48	0.35	LTS + 10.51
B	49-48	0.39	LTS + 11.62
B	49-48	0.68	LTS + 8.33
B	49-48	0.69	LTS + 7.42
B	49-48	0.90	LTS + 14.18
B	49-48	0.72	09S - 0.82
B	49-49	0.84	LTS + 13.52
B	49-50	0.33	LTS + 12.63
B	49-50	0.53	LTS + 9.01
B	49-50	0.58	LTS + 11.53
B	49-50	0.61	LTS + 13.10
B	49-50	0.66	LTS + 6.70
B	49-50	1.02	LTS + 10.71
B	49-52	0.54	03S - 0.77
B	49-78	0.35	12S - 0.56

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OTSG	TUBE DESIGNATION	AMPLITUDE (VOLTS)	LOCATION
B	50-6	0.40	09S + 0.67
B	50-33	0.19	LTS + 12.62
B	50-33	0.37	LTS + 5.84
B	50-33	0.79	LTS + 7.64
B	50-34	0.19	LTS + 11.55
B	50-34	0.32	LTS + 6.68
B	50-34	0.36	LTS + 10.32
B	* 50-35	0.15	LTS + 13.71
B	50-35	0.18	LTS + 10.57
B	50-35	0.23	LTS + 12.26
B	50-35	0.30	LTS + 9.62
B	50-35	0.40	LTS + 11.07
B	50-35	0.43	LTS + 12.77
B	50-35	0.48	LTS + 16.80
B	50-35	0.86	LTS + 9.15
B	50-39	0.22	LTS + 10.62
B	50-48	0.22	LTS + 9.62
B	50-48	0.23	LTS + 8.49
B	50-48	0.32	LTS + 12.78
B	50-48	0.34	LTS + 13.99
B	50-55	0.46	07S - 0.72
B	50-56	0.26	LTS + 8.48
B	51-35	0.32	LTS + 8.28
B	51-37	0.72	09S - 0.76
B	51-42	0.22	LTS + 16.32
B	51-42	0.47	LTS + 7.81
B	51-48	0.28	LTS + 7.25
B	51-48	0.34	LTS + 8.00
B	51-48	0.34	LTS + 8.22
B	51-48	0.52	LTS + 11.02
B	51-48	0.65	LTS + 9.29
B	51-48	0.89	LTS + 6.76
B	51-48	0.96	07S - 0.85
B	51-49	0.31	LTS + 16.20
B	51-49	0.39	LTS + 11.47
B	51-49	0.50	LTS + 10.94
B	51-49	0.75	LTS + 14.18
B	51-50	0.51	07S - 0.77
B	51-79	0.38	LTS + 13.12
B	52-6	0.65	07S + 0.66
B	52-30	0.83	10S - 0.85
B	52-34	0.13	LTS + 13.56
B	52-34	0.27	LTS + 13.10
B	52-34	0.28	LTS + 11.73
B	52-34	0.29	LTS + 9.60
B	52-34	0.32	LTS + 16.29
B	52-34	0.36	LTS + 9.09
B	52-34	0.50	LTS + 7.09
B	52-34	0.51	LTS + 12.19

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OTSG	TUBE DESIGNATION	AMPLITUDE (VOLTS)	LOCATION
B	52-34	0.55	LTS + 7.77
B	52-36	0.22	LTS + 12.06
B	52-36	0.26	LTS + 8.41
B	52-36	0.29	LTS + 6.18
B	52-36	0.33	LTS + 15.77
B	52-36	0.52	LTS + 15.13
B	52-36	0.67	LTS + 10.10
B	52-36	0.68	LTS + 14.08
B	52-36	0.98	LTS + 6.96
B	52-39	0.28	LTS + 15.72
B	52-39	0.37	LTS + 9.67
B	52-39	0.43	07S - 0.78
B	52-40	0.28	LTS + 26.76
B	52-40	0.79	LTS + 12.78
B	52-41	0.35	LTS + 7.59
B	52-43	0.62	LTS + 8.22
B	52-81	0.33	LTS + 14.92
B	52-81	0.51	LTS + 12.90
B	53-39	0.75	LTS + 12.93
B	53-49	0.23	LTS + 9.21
B	53-49	0.25	LTS + 13.60
B	53-49	0.34	LTS + 8.33
B	53-49	0.40	LTS + 7.25
B	53-59	0.68	07S - 0.77
B	53-81	0.17	LTS + 15.33
B	53-81	0.22	LTS + 11.72
B	53-81	0.25	LTS + 12.85
B	53-81	0.52	LTS + 15.58
B	53-81	0.57	LTS + 16.47
B	53-94	0.15	06S + 32.55
B	54-6	0.59	07S + 0.71
B	54-33	0.66	LTS + 9.58
B	54-35	0.24	LTS + 7.87
B	54-35	0.44	LTS + 8.37
B	54-37	0.26	LTS + 17.56
B	54-37	0.50	LTS + 9.79
B	54-37	0.51	LTS + 8.35
B	54-40	0.39	LTS + 10.13
B	54-51	0.35	LTS + 9.16
B	54-51	0.83	LTS + 12.21
B	54-51	0.68	07S - 0.62
B	54-82	0.35	LTS + 10.60
B	54-98	0.98	05S - 0.28
B	54-124	0.53	09S - 0.77
B	55-32	0.39	LTS + 7.22
B	55-32	0.44	LTS + 14.14
B	55-32	0.68	LTS + 13.61
B	55-32	0.82	LTS + 7.89
B	55-41	0.23	LTS + 11.35

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OTSG	TUBE DESIGNATION	AMPLITUDE (VOLTS)	LOCATION
E	55-41	0.30	LTS + 15.36
B	55-41	0.43	LTS + 13.56
B	55-41	0.49	LTS + 10.85
E	55-49	0.35	LTS + 12.12
B	55-49	0.57	LTS + 9.99
B	55-54	0.32	07S - 0.77
B	55-81	0.15	LTS + 15.29
B	55-81	0.27	LTS + 14.80
B	55-81	0.32	LTS + 10.94
B	55-81	0.83	LTS + 6.81
B	55-82	0.46	LTS + 8.34
B	56-4	0.43	08S + 0.69
B	56-28	0.25	LTS + 7.23
B	56-28	0.56	11S + 30.42
B	56-31	0.18	LTS + 7.74
B	56-32	0.35	LTS + 8.64
B	56-32	0.42	LTS + 12.18
B	56-44	0.38	LTS + 8.83
B	56-44	0.50	LTS + 7.42
B	56-44	0.55	LTS + 11.08
B	56-44	0.64	LTS + 9.63
B	56-44	0.64	LTS + 12.29
B	56-44	0.67	LTS + 5.88
B	56-44	0.69	LTS + 6.47
B	56-44	0.82	LTS + 8.33
B	56-49	0.26	LTS + 9.21
B	56-50	0.19	LTS + 13.76
B	56-50	0.21	LTS + 9.31
B	56-50	0.41	LTS + 6.04
B	56-50	0.48	LTS + 9.52
B	56-50	0.54	LTS + 7.75
B	56-50	0.56	LTS + 14.91
B	56-50	0.60	LTS + 10.40
B	56-50	0.61	LTS + 11.93
B	56-51	0.21	LTS + 5.64
B	56-51	0.32	LTS + 13.68
B	56-51	0.37	LTS + 7.57
B	56-51	0.52	LTS + 10.39
B	56-51	0.56	LTS + 12.56
B	56-51	0.81	LTS + 8.07
B	56-53	0.32	LTS + 5.60
B	56-53	0.35	LTS + 11.49
B	56-53	0.74	13S + 15.99
B	56-80	0.31	05S + 22.92
B	56-82	0.30	LTS + 13.50
B	56-82	0.51	LTS + 6.91
B	57-27	0.34	LTS + 10.34
B	57-27	0.56	LTS + 9.87
B	57-38	0.25	LTS + 12.52

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OTSG	TUBE DESIGNATION	AMPLITUDE (VOLTS)	LOCATION
B	57-38	0.35	LTS + 7.66
B	57-38	0.42	LTS + 5.60
B	57-38	0.43	LTS + 13.64
B	57-38	1.14	LTS + 12.17
B	57-39	0.66	OTS - 0.71
B	57-40	0.38	LTS + 6.47
B	57-40	0.46	LTS + 13.11
B	57-43	0.27	LTS + 9.49
B	57-44	0.21	LTS + 6.21
B	57-44	0.28	LTS + 11.53
B	57-44	0.35	LTS + 7.26
B	57-44	0.35	LTS + 12.32
B	57-44	0.47	LTS + 12.59
B	57-44	0.53	LTS + 9.56
B	57-45	0.41	LTS + 9.99
B	57-47	0.12	LTS + 8.91
B	57-47	0.36	LTS + 7.11
B	57-47	0.53	LTS + 10.46
B	57-51	0.52	LTS + 7.96
B	57-51	0.58	LTS + 11.41
B	57-51	0.71	LTS + 10.30
B	57-52	0.34	LTS + 8.48
B	57-52	0.35	LTS + 6.64
B	57-52	0.48	LTS + 5.15
B	57-52	0.74	LTS + 7.28
B	57-89	0.25	LTS + 6.56
B	57-96	0.21	LTS + 13.69
B	57-96	0.24	LTS + 11.71
B	57-96	0.36	LTS + 24.00
B	57-96	0.42	LTS + 6.68
B	57-96	0.50	LTS + 12.67
B	57-96	0.63	LTS + 10.05
B	58-27	0.22	LTS + 7.80
B	58-27	0.45	LTS + 7.34
B	58-27	0.57	LTS + 10.43
B	58-33	0.26	LTS + 15.34
B	58-37	0.24	LTS + 15.97
B	58-37	0.25	LTS + 23.95
B	58-37	0.28	LTS + 10.21
B	58-37	0.36	LTS + 18.62
B	58-37	0.37	LTS + 16.49
B	58-38	0.28	LTS + 16.27
B	58-38	0.46	LTS + 13.31
B	58-38	0.47	LTS + 7.97
B	58-38	0.54	LTS + 14.66
B	58-38	0.56	LTS + 11.29
B	58-38	0.63	LTS + 5.75
B	58-38	0.73	LTS + 10.09
B	58-38	1.09	LTS + 12.34

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OTSG	TUBE DESIGNATION	AMPLITUDE (VOLTS)	LOCATION
B	58-38	1.24	LTS + 9.59
B	58-38	1.56	LTS + 7.51
B	58-39	0.50	03S - 0.70
B	58-41	0.63	LTS + 11.63
B	58-44	0.56	LTS + 8.12
B	58-44	0.42	07S - 0.76
B	58-45	0.23	LTS + 5.83
B	58-45	0.31	LTS + 8.21
B	58-45	0.46	LTS + 9.35
B	58-45	0.47	LTS + 12.49
B	58-45	0.49	LTS + 10.53
B	58-45	0.60	LTS + 4.93
B	58-45	0.65	LTS + 7.53
B	58-45	0.73	LTS + 11.79
B	58-58	0.29	03S - 0.76
B	58-71	0.33	07S - 0.76
B	58-83	0.11	LTS + 12.02
B	58-83	0.30	LTS + 6.40
B	58-92	0.20	LTS + 11.89
B	58-125	0.45	08S - 0.79
B	59-1	0.93	09S-0.78
B	59-25	0.20	LTS + 10.58
B	59-25	0.23	LTS + 6.17
B	59-25	0.30	LTS + 11.49
B	59-26	0.20	LTS + 12.96
B	59-26	0.30	LTS + 7.32
B	59-26	0.33	LTS + 8.22
B	59-26	0.43	LTS + 6.15
B	59-26	0.46	LTS + 8.54
B	59-26	0.48	LTS + 10.39
B	59-26	0.56	LTS + 11.94
B	59-26	0.66	LTS + 11.24
B	59-31	0.28	LTS + 8.35
B	59-39	0.42	LTS + 15.54
B	59-39	0.50	LTS + 11.11
B	59-39	0.58	LTS + 12.57
B	59-39	0.36	03S - 0.76
B	59-45	0.29	LTS + 8.00
B	59-45	0.46	07S - 0.67
B	59-49	0.21	LTS + 7.66
B	59-49	0.48	LTS + 8.50
B	59-113	0.75	07S - 0.80
B	59-120	0.30	05S - 0.79
B	59-122	0.56	07S - 0.82
B	59-122	1.19	09S - 0.74
B	60-38	0.41	LTS + 14.70
B	60-38	0.43	LTS + 11.21
B	60-38	0.65	LTS + 12.76
B	60-38	0.72	LTS + 9.86

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OTSG	TUBE DESIGNATION	AMPLITUDE (VOLTS)	LOCATION
B	60-48	0.52	07S - 0.68
B	60-89	0.17	LTS + 5.78
B	60-117	0.48	07S - 0.77
B	60-119	1.12	07S - 0.80
B	60-126	0.47	09S - 0.81
B	61-1	0.59	09S - 0.78
B	61-25	0.39	LTS + 6.66
B	61-26	0.16	LTS + 7.04
B	61-26	0.23	LTS + 8.77
B	61-26	0.43	LTS + 12.61
B	61-26	0.46	LTS + 15.07
B	61-26	0.70	06S - 0.83
B	61-29	0.20	LTS + 11.98
B	61-29	0.22	LTS + 14.18
B	61-29	0.23	LTS + 7.46
B	61-29	0.37	LTS + 10.36
B	61-38	0.50	LTS + 9.39
B	61-42	0.91	07S - 0.77
B	61-48	0.19	LTS + 6.94
B	61-48	0.57	LTS + 6.50
B	61-48	0.62	LTS + 9.22
B	61-48	0.62	LTS + 10.91
B	61-122	0.25	10S + 5.54
B	61-124	0.45	09S + 0.63
B	62-7	0.46	15S + 9.52
B	62-7	0.53	15S + 20.54
B	62-7	0.64	15S + 23.98
B	62-13	0.68	03S - 0.67
B	62-27	0.19	LTS + 9.55
B	62-27	0.38	LTS + 8.23
B	62-27	0.39	LTS + 8.91
B	62-27	0.40	LTS + 10.23
B	62-27	0.52	LTS + 7.34
B	62-33	0.38	LTS + 13.23
B	62-40	0.19	LTS + 14.33
B	62-40	0.23	LTS + 12.57
B	62-50	0.46	LTS + 8.24
B	62-99	0.33	LTS + 9.21
B	62-103	0.47	07S - 0.83
B	62-106	0.18	01S + 24.11
B	62-124	0.31	08S - 0.77
B	62-124	0.37	04S + 7.24
B	63-5	0.59	15S + 7.05
B	63-17	0.31	LTS + 29.08
B	63-25	0.32	05S - 0.80
B	63-27	0.14	LTS + 11.15
B	63-27	0.22	LTS + 12.42
B	63-27	0.24	LTS + 9.65
B	63-27	0.28	LTS + 13.89

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OTSG	TUBE DESIGNATION	AMPLITUDE (VOLTS)	LOCATION
B	63-27	0.32	LTS + 14.69
B	63-27	0.65	LTS + 7.56
B	63-27	0.70	LTS + 8.56
B	63-29	0.26	LTS + 16.63
B	63-29	0.28	LTS + 12.30
B	63-29	0.37	LTS + 10.11
B	63-29	0.39	LTS + 9.85
B	63-29	0.49	LTS + 8.14
B	63-29	0.52	LTS + 11.41
B	63-29	0.57	LTS + 14.80
B	63-29	0.70	LTS + 6.52
B	63-34	1.17	07S - 0.68
B	63-39	0.36	LTS + 15.12
B	63-44	0.41	LTS + 8.87
B	63-45	0.29	LTS + 9.52
B	63-45	0.59	LTS + 6.90
B	63-125	0.37	02S + 35.06
B	64-5	0.66	09S - 0.81
B	64-28	0.17	LTS + 10.40
B	64-28	0.19	LTS + 6.04
B	64-28	0.23	LTS + 8.83
B	64-28	0.25	LTS + 9.77
B	64-28	0.25	LTS + 12.03
B	64-28	0.26	LTS + 13.12
B	64-28	0.27	LTS + 26.92
B	64-28	0.28	LTS + 10.84
B	64-28	0.34	LTS + 8.26
B	64-39	0.21	LTS + 16.65
B	64-39	0.24	LTS + 11.94
B	64-39	0.37	LTS + 6.59
B	64-46	0.25	LTS + 8.01
B	64-46	0.38	LTS + 11.53
B	64-46	0.45	LTS + 9.39
B	64-51	0.15	LTS + 7.92
B	64-51	0.17	LTS + 9.98
B	64-51	0.20	LTS + 6.15
B	64-68	0.70	07S - 0.80
B	64-77	0.56	07S - 0.74
B	64-108	0.37	14S - 0.86
B	64-121	0.71	04S + 0.65
B	64-124	0.32	06S + 29.06
B	65-27	0.30	LTS + 11.55
B	65-27	0.36	LTS + 10.20
B	65-28	0.26	LTS + 8.05
B	65-28	0.30	LTS + 9.27
B	65-28	0.38	LTS + 14.18
B	65-28	0.46	LTS + 12.37
B	65-28	0.53	LTS + 11.40
B	65-28	0.54	LTS + 8.55

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OTSG	TUBE DESIGNATION	AMPLITUDE (VOLTS)	LOCATION
B	65-28	0.66	LTS + 6.39
B	65-28	0.76	LTS + 10.24
B	65-38	0.21	LTS + 9.01
B	65-38	0.23	LTS + 13.23
B	65-38	0.33	LTS + 14.32
B	65-38	0.51	LTS + 12.40
B	65-50	0.11	LTS + 13.69
B	65-115	0.73	04S + 0.71
B	65-122	0.18	06S + 17.98
B	65-122	1.02	05S + 0.65
B	66-5	0.53	09S - 0.89
B	66-28	0.17	LTS + 6.17
B	66-28	0.29	LTS + 7.41
B	66-28	0.34	LTS + 11.98
B	66-28	0.49	LTS + 14.66
B	66-28	0.72	LTS + 8.47
B	66-36	0.31	LTS + 10.37
B	66-37	1.21	09S - 0.71
B	66-58	0.61	07S - 0.81
B	66-106	0.82	07S - 0.80
B	66-111	0.58	05S + 0.71
B	67-33	1.07	07S - 0.65
B	67-35	0.26	LTS + 8.11
B	67-36	0.21	LTS + 11.44
B	67-36	0.27	LTS + 11.79
B	67-36	0.35	LTS + 7.52
B	67-36	0.36	LTS + 14.95
B	67-36	0.46	LTS + 10.33
B	67-36	0.56	08S + 19.87
B	67-43	0.52	LTS + 14.53
B	67-47	0.42	09S + 0.74
B	67-52	1.18	07S - 0.67
B	67-112	0.45	04S + 0.56
B	67-112	0.58	05S + 0.65
B	67-113	0.38	04S + 0.65
B	68-21	1.41	08S - 0.90
B	68-35	0.23	LTS + 12.72
B	68-35	0.24	LTS + 7.65
B	68-35	0.78	LTS + 11.88
B	68-35	0.89	07S - 0.75
B	68-38	0.20	LTS + 13.91
B	68-38	0.30	LTS + 11.49
B	68-42	0.60	09S + 0.65
B	68-48	0.65	09S + 0.68
B	68-49	0.52	09S + 0.73
B	68-50	0.83	09S + 0.77
B	68-51	0.45	09S + 0.82
B	68-53	0.55	09S + 0.71
B	68-56	0.42	09S + 0.56

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OTSG	TUBE DESIGNATION	AMPLITUDE (VOLTS)	LOCATION
B	68-61	0.46	09S + 0.67
B	68-64	0.42	09S + 0.64
B	68-67	0.32	03S - 0.81
B	68-69	0.22	07S - 0.77
B	68-99	0.47	LTS + 11.31
B	68-102	0.71	07S - 0.77
B	68-111	0.35	04S + 0.65
B	68-125	0.65	05S - 0.59
B	69-42	0.34	LTS + 13.80
B	69-45	0.70	09S + 0.76
B	69-46	0.63	07S - 0.69
B	69-46	0.82	09S + 0.73
B	69-47	0.49	09S + 0.78
B	69-50	0.41	09S + 0.73
B	69-56	0.35	03S - 0.68
B	69-56	1.14	09S - 0.63
B	69-56	1.31	07S - 0.68
B	69-60	0.50	09S + 0.68
B	69-61	0.35	09S + 0.73
B	69-62	0.40	09S + 0.70
B	69-63	0.54	09S + 0.71
B	69-64	0.33	09S + 0.70
B	69-70	0.32	04S + 0.62
B	69-70	0.33	06S + 0.66
B	69-99	0.49	LTS + 10.96
B	70-42	0.21	LTS + 15.90
B	70-42	0.33	LTS + 7.26
B	70-42	0.47	LTS + 15.41
B	70-42	0.68	LTS + 14.41
B	70-49	0.51	09S + 0.72
B	70-53	0.62	09S - 0.72
B	70-58	0.37	09S + 0.68
B	70-59	0.58	09S + 0.68
B	70-61	0.34	07S - 0.84
B	70-61	0.39	09S - 0.74
B	70-61	0.59	09S + 0.68
B	70-68	0.24	04S + 0.71
B	70-68	0.86	07S - 0.82
B	70-111	0.60	04S + 0.71
B	70-125	0.63	12S + 0.30
B	71-43	0.56	09S + 0.71
B	71-59	0.37	09S + 0.65
B	71-62	0.60	09S + 0.78
B	71-68	0.27	11S - 0.60
B	71-71	0.46	08S - 0.61
B	72-29	0.54	09S + 3.11
B	72-58	0.65	09S + 0.68
B	72-64	0.48	10S - 0.70
B	72-65	0.64	07S - 0.69

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OTSG	TUBE DESIGNATION	AMPLITUDE (VOLTS)	LOCATION
B	72-67	0.61	03S - 0.68
B	73-26	0.38	01S + 12.73
B	73-39	0.44	LTS + 13.94
B	73-46	0.38	09S - 0.67
B	73-51	0.49	09S - 0.60
B	73-51	0.78	03S - 0.66
B	73-56	0.57	07S - 0.72
B	73-58	0.57	07S - 0.69
B	73-60	0.40	09S + 4.37
B	73-64	0.57	06S - 0.65
B	73-65	0.26	05S - 0.62
B	73-65	0.52	04S + 0.72
B	73-66	0.28	06S + 0.75
B	73-66	0.37	04S + 0.72
B	73-66	0.43	05S + 0.72
B	73-66	0.59	05S - 0.64
B	73-66	0.99	06S - 0.67
B	73-74	0.37	03S + 27.68
B	74-24	0.37	09S + 10.57
B	74-25	0.25	02S + 26.22
B	74-25	0.26	02S + 29.69
B	74-25	0.39	02S + 36.06
B	74-25	0.64	UTS + 0.93
B	74-45	0.43	LTS + 25.30
B	74-46	0.34	LTS + 25.76
B	74-47	0.32	LTS + 25.47
B	74-51	0.20	LTS + 27.37
B	74-56	0.40	03S - 0.65
B	75-9	0.59	15S + 0.43
B	75-24	0.36	04S + 0.75
B	75-26	0.44	07S - 0.70
B	75-37	0.22	03S - 0.71
B	75-123	0.77	04S + 0.58
B	76-68	0.63	07S - 0.76
B	76-119	0.51	08S + 0.74
B	76-121	0.29	08S + 0.65
B	76-121	0.42	07S - 0.77
B	77-122	0.42	09S - 0.69
B	77-125	0.26	10S + 0.25
B	77-125	0.37	15S - 0.66
B	77-125	0.41	12S - 0.63
B	77-125	1.23	11S - 0.55
B	78-8	0.40	13S - 0.67
B	78-8	0.56	14S - 0.51
B	78-25	0.35	LTS + 23.05
B	78-25	0.38	LTS + 24.21
B	78-41	0.26	LTS + 25.18
B	78-45	0.31	LTS + 25.09
B	78-54	0.33	09S - 0.74

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OTSG	TUBE DESIGNATION	AMPLITUDE (VOLTS)	LOCATION
B	78-122	0.43	09S - 0.77
B	79-21	0.82	07S - 0.69
B	79-34	0.37	09S + 0.80
B	79-39	0.96	12S - 0.64
B	79-40	0.70	11S - 0.66
B	79-54	0.59	10S - 0.64
B	79-56	0.65	09S - 0.66
B	79-61	0.42	07S - 0.69
B	79-62	0.66	09S - 0.66
B	79-66	0.51	07S - 0.68
B	79-97	0.42	LTS + 9.25
B	79-123	0.36	06S - 0.81
B	79-126	0.64	07S - 0.76
B	79-127	0.25	07S - 0.76
B	80-22	0.41	LTS + 31.38
B	80-22	0.88	LTS + 30.03
B	80-41	0.39	14S + 11.86
B	80-58	0.80	09S - 0.77
B	80-58	1.11	07S - 0.80
B	80-59	0.50	07S - 0.83
B	80-65	0.32	13S - 0.66
B	80-65	0.35	10S - 0.71
B	80-70	0.47	07S - 0.64
B	80-126	0.40	07S - 0.82
B	80-127	0.26	09S - 0.14
B	80-127	0.47	07S + 0.65
B	80-127	0.98	07S - 0.79
B	81-1	0.54	14S + 0.73
B	81-62	0.50	09S + 0.76
B	81-64	1.34	10S - 0.79
B	81-122	1.09	07S - 0.85
B	81-126	0.54	07S - 0.74
B	81-126	0.93	08S + 0.58
B	81-127	0.50	07S - 0.77
B	82-6	0.82	09S - 0.82
B	82-38	0.56	09S - 0.74
B	82-63	0.38	09S - 0.65
B	82-94	0.22	LTS + 7.42
B	82-94	0.35	LTS + 12.04
B	82-95	0.20	LTS + 11.34
B	82-95	0.21	LTS + 10.45
B	82-95	0.29	LTS + 13.94
B	82-95	0.69	LTS + 7.47
B	83-35	0.67	03S - 0.75
B	83-56	0.98	01S + 31.02
B	83-61	0.38	09S + 0.79
B	83-61	0.42	07S - 0.65
B	83-96	0.30	LTS + 12.63
B	83-96	0.34	LTS + 12.93

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OTSG	TUBE DESIGNATION	AMPLITUDE (VOLTS)	LOCATION
B	83-99	0.49	06S - 0.74
B	83-100	0.22	LTS + 5.85
B	83-100	0.42	LTS + 7.66
B	83-131	0.56	09S - 0.77
B	84-39	0.57	11S + 8.77
B	84-39	1.07	07S - 0.81
B	84-75	0.59	07S - 0.73
B	84-95	0.38	LTS + 9.27
B	84-95	0.44	LTS + 8.19
B	84-98	0.28	LTS + 9.11
B	84-98	0.71	LTS + 12.20
B	84-99	0.32	LTS + 9.93
B	84-99	0.34	LTS + 12.66
B	84-99	0.38	LTS + 10.61
B	84-99	0.38	LTS + 14.30
B	84-99	0.43	LTS + 7.36
B	84-99	0.74	LTS + 9.19
B	84-100	0.48	LTS + 8.23
B	85-38	0.64	03S - 0.89
B	85-43	0.39	LTS + 10.14
B	85-43	0.34	09S - 0.79
B	85-72	0.49	06S - 0.78
B	85-90	0.25	07S - 0.77
B	85-93	0.32	LTS + 9.12
B	85-93	0.40	LTS + 12.67
B	85-95	0.22	LTS + 8.99
B	85-95	0.28	LTS + 11.57
B	85-95	0.34	LTS + 13.95
B	85-95	0.53	LTS + 9.40
B	85-97	0.36	LTS + 13.62
B	85-98	0.36	LTS + 9.76
B	85-99	0.32	LTS + 13.30
B	85-99	0.36	LTS + 9.89
B	85-99	0.46	LTS + 7.02
B	85-99	0.74	LTS + 11.00
B	85-124	1.13	08S + 0.52
B	85-127	0.38	07S - 0.80
B	85-127	0.40	09S - 0.77
B	86-6	0.85	09S + 0.51
B	86-32	0.34	LTS + 10.76
B	86-32	0.56	LTS + 10.02
B	86-53	0.87	07S - 0.78
B	86-85	0.30	06S - 0.77
B	86-94	0.21	LTS + 14.45
B	86-94	0.29	LTS + 16.77
B	86-94	0.31	LTS + 8.70
B	86-94	0.43	LTS + 14.86
B	86-94	0.51	LTS + 12.00
B	86-94	0.59	LTS + 7.74

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OTSG	TUBE DESIGNATION	AMPLITUDE (VOLTS)	LOCATION
B	86-94	0.63	LTS + 11.29
B	86-99	0.37	LTS + 9.36
B	86-108	0.36	06S - 0.82
B	87-49	0.86	06S - 0.88
B	87-53	0.69	06S - 0.81
B	87-94	0.38	LTS + 15.78
B	87-98	0.28	LTS + 8.73
B	87-98	0.48	LTS + 7.16
B	87-112	0.52	07S + 0.55
B	88-12	1.28	07S - 0.79
B	88-31	0.76	09S - 0.77
B	88-47	0.97	09S - 0.80
B	88-51	0.62	03S - 0.79
B	88-127	0.38	09S - 0.77
B	88-128	0.45	07S - 0.80
B	89-30	0.33	03S - 0.88
B	89-34	0.52	LTS + 13.59
B	89-34	0.78	LTS + 16.92
B	89-34	0.86	LTS + 9.06
B	89-34	1.13	LTS + 5.78
B	89-34	1.29	LTS + 15.15
B	89-43	0.31	LTS + 5.37
B	89-43	0.81	LTS + 7.00
B	89-53	0.41	07S - 0.76
B	89-84	0.35	07S - 0.74
B	89-95	0.20	LTS + 6.75
B	89-95	0.26	LTS + 11.78
B	89-95	0.29	LTS + 16.07
B	89-95	0.40	LTS + 9.24
B	89-95	0.55	LTS + 12.99
B	89-95	0.65	LTS + 14.59
B	89-96	0.20	LTS + 16.38
B	89-96	0.33	LTS + 9.33
B	89-96	0.40	LTS + 8.34
B	89-96	0.66	LTS + 13.51
B	89-128	0.25	09S - 0.83
B	90-40	0.20	LTS + 11.81
B	90-40	0.21	LTS + 12.10
B	90-40	0.28	LTS + 11.58
B	90-40	0.31	LTS + 14.34
B	90-40	0.46	LTS + 8.19
B	90-43	0.24	LTS + 6.55
B	90-43	0.31	LTS + 12.64
B	90-43	0.64	LTS + 8.03
B	90-43	0.66	LTS + 10.46
B	90-43	1.00	LTS + 6.32
B	90-44	0.59	LTS + 10.17
B	90-44	0.77	LTS + 7.65
B	90-44	0.78	LTS + 8.20

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OTSG	TUBE DESIGNATION	AMPLITUDE (VOLTS)	LOCATION
B	90-48	0.46	07S - 0.81
B	90-60	1.10	07S - 0.79
B	90-65	0.58	07S - 0.80
B	90-94	0.36	LTS + 14.49
B	90-96	0.25	LTS + 5.74
B	90-96	0.29	LTS + 6.56
B	90-96	0.34	LTS + 12.77
B	90-96	0.86	LTS + 9.75
B	90-98	0.57	LTS + 7.14
B	90-99	0.29	LTS + 12.45
B	90-99	0.29	LTS + 9.88
B	91-23	0.32	LTS + 28.01
B	91-23	0.33	LTS + 9.47
B	91-23	0.39	LTS + 14.95
B	91-23	0.43	LTS + 10.83
B	91-23	0.47	LTS + 27.58
B	91-37	0.54	LTS + 10.35
B	91-126	0.25	07S - 0.82
B	92-17	0.94	09S - 0.87
B	92-25	0.31	LTS + 8.20
B	92-28	0.25	LTS + 26.71
B	92-28	0.33	LTS + 28.51
B	92-28	0.35	LTS + 13.64
B	92-28	0.38	LTS + 14.35
B	92-28	0.41	LTS + 5.45
B	92-28	0.52	LTS + 29.05
B	92-28	0.52	LTS + 26.02
B	92-28	0.55	LTS + 8.56
B	92-28	0.57	LTS + 12.96
B	92-28	0.75	LTS + 12.01
B	92-28	0.75	LTS + 25.71
B	92-28	0.75	LTS + 14.64
B	92-28	0.76	LTS + 12.21
B	92-28	0.77	LTS + 30.28
B	92-28	0.79	LTS + 8.10
B	92-28	0.80	LTS + 9.84
B	92-28	1.18	LTS + 8.79
B	92-28	1.42	LTS + 6.73
B	92-36	0.73	07S - 0.78
B	92-44	0.38	LTS + 6.96
B	92-44	0.46	LTS + 6.32
B	92-44	0.49	LTS + 7.51
B	92-44	0.63	LTS + 9.01
B	92-44	0.67	LTS + 10.20
B	92-45	0.54	LTS + 6.53
B	92-60	0.87	07S - 0.77
B	92-93	0.53	LTS + 10.13
B	92-93	0.72	LTS + 6.46
B	92-96	0.68	LTS + 9.61

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OTSG	TUBE DESIGNATION	AMPLITUDE (VOLTS)	LOCATION
B	92-124	0.63	07S - 0.65
B	92-126	0.48	09S - 0.74
B	92-126	0.72	07S - 0.85
B	93-17	0.92	09S - 0.79
B	93-22	0.46	02S + 35.09
B	93-27	0.40	LTS + 10.33
B	93-27	0.58	LTS + 9.12
B	93-27	1.26	LTS + 7.76
B	93-36	1.02	09S - 0.77
B	93-41	0.54	LTS + 8.30
B	93-41	0.56	LTS + 5.95
B	93-41	0.58	LTS + 9.86
B	93-42	0.94	02S + 30.87
B	93-79	0.22	LTS + 10.64
B	94-39	0.34	LTS + 16.13
B	94-41	0.33	LTS + 12.07
B	94-42	0.49	LTS + 8.71
B	94-42	0.65	LTS + 6.53
B	94-43	0.74	LTS + 7.95
B	94-43	1.03	09S - 0.77
B	94-44	0.40	LTS + 8.33
B	94-44	0.41	LTS + 7.15
B	94-44	0.41	LTS + 6.86
B	94-44	0.51	LTS + 6.11
B	94-45	0.42	LTS + 8.63
B	94-45	0.49	LTS + 12.67
B	94-66	0.56	07S - 0.82
B	94-81	0.72	10S + 18.39
B	95-5	0.51	07S - 0.76
B	95-28	0.33	LTS + 8.13
B	95-32	0.25	LTS + 7.02
B	95-32	0.33	LTS + 10.57
B	95-32	0.58	LTS + 12.73
B	95-33	0.40	LTS + 12.05
B	95-36	0.26	LTS + 9.87
B	95-36	0.36	LTS + 14.87
B	95-42	0.34	LTS + 9.35
B	95-44	0.58	LTS + 7.40
B	95-45	0.33	LTS + 12.40
B	95-46	0.21	LTS + 6.43
B	95-46	0.49	LTS + 12.27
B	95-47	0.18	LTS + 10.86
B	95-77	0.35	01S + 22.28
B	95-92	0.84	LTS + 12.94
B	95-96	0.25	LTS + 23.90
B	95-96	0.28	LTS + 25.87
B	95-96	0.33	LTS + 5.43
B	95-97	0.21	LTS + 11.81
B	95-97	0.35	LTS + 10.74

Appendix A
S/N Indications

OTSG	TUBE DESIGNATION	AMPLITUDE (VOLTS)	LOCATION
B	95-97	0.39	LTS + 14.54
B	96-28	0.24	LTS + 11.67
B	96-28	0.42	LTS + 7.27
B	96-28	1.07	09S - 0.79
B	96-29	0.25	LTS + 7.26
B	96-29	0.26	LTS + 6.53
B	96-29	0.29	LTS + 9.74
B	96-29	0.36	LTS + 11.26
B	96-29	0.42	LTS + 13.30
B	96-29	0.71	LTS + 26.43
B	96-39	0.26	LTS + 7.43
B	96-39	0.31	LTS + 15.89
B	96-39	0.42	LTS + 14.46
B	96-40	0.35	LTS + 10.10
B	96-42	0.39	LTS + 13.08
B	96-43	0.28	LTS + 13.02
B	96-44	0.25	LTS + 6.55
B	96-47	0.25	LTS + 14.33
B	96-66	1.24	07S - 0.75
B	96-70	0.96	07S - 0.78
B	96-116	0.69	15S + 23.65
B	96-116	0.70	15S + 22.20
B	97-27	0.73	LTS + 12.38
B	97-27	0.98	LTS + 11.20
B	97-43	0.37	LTS + 8.10
B	97-43	3.24	LTS + 17.95
B	97-45	0.25	LTS + 8.24
B	97-45	0.43	LTS + 4.32
B	97-45	0.43	LTS + 3.37
B	97-48	1.76	15S + 27.50
B	97-94	0.68	03S + 5.65
B	97-95	0.23	LTS + 11.86
B	97-95	0.54	LTS + 8.11
B	98-23	0.56	UTS + 5.12
B	98-36	0.60	LTS + 10.77
B	98-36	0.67	LTS + 14.50
B	98-38	0.17	LTS + 8.42
B	98-38	0.25	LTS + 17.92
B	98-38	0.60	LTS + 10.08
B	98-43	0.40	LTS + 15.19
B	98-43	0.68	LTS + 10.03
B	98-43	0.69	LTS + 12.48
B	98-47	0.23	LTS + 16.89
B	98-92	0.23	LTS + 17.13
B	98-92	0.31	LTS + 8.69
B	98-93	0.17	LTS + 14.08
B	98-93	0.19	LTS + 7.01
B	98-93	0.20	LTS + 8.74
B	98-93	0.21	LTS + 5.77

Appendix A
S/N Indications

OTSG	TUBE DESIGNATION	AMPLITUDE (VOLTS)	LOCATION
B	98-93	0.26	LTS + 16.04
B	98-93	0.32	LTS + 14.56
B	98-93	0.39	LTS + 7.28
B	98-95	0.31	LTS + 23.16
B	98-95	0.95	LTS + 7.00
B	99-34	0.45	LTS + 13.08
B	99-34	0.60	LTS + 12.73
B	99-41	0.36	LTS + 10.60
B	99-41	0.88	03S - 0.76
B	99-42	0.33	LTS + 9.97
B	99-43	0.23	LTS + 7.99
B	99-94	0.29	LTS + 8.63
B	99-94	0.31	LTS + 7.14
B	99-94	0.31	LTS + 10.34
B	99-94	0.34	LTS + 7.49
B	99-94	0.70	LTS + 6.00
B	99-95	0.21	LTS + 9.48
B	99-95	0.28	LTS + 8.12
B	99-95	0.32	LTS + 6.26
B	100-3	0.31	09S - 0.80
B	100-27	0.26	LTS + 11.07
B	100-27	0.34	LTS + 12.10
B	100-27	0.34	LTS + 5.90
B	100-27	0.47	LTS + 9.37
B	100-27	0.52	LTS + 8.99
B	100-27	0.60	LTS + 7.80
B	100-27	0.86	07S - 0.82
B	100-32	0.21	LTS + 13.19
B	100-32	0.39	LTS + 7.03
B	100-32	0.43	LTS + 6.07
B	100-32	0.44	LTS + 9.47
B	100-32	0.96	LTS + 8.35
B	100-33	0.34	LTS + 11.07
B	100-37	0.50	LTS + 18.30
B	100-37	0.51	LTS + 11.06
B	100-37	0.59	12S + 31.00
B	100-41	0.48	LTS + 14.52
B	100-58	0.23	02S + 28.72
B	100-91	0.22	LTS + 16.99
B	100-91	0.36	LTS + 8.03
B	100-91	0.45	LTS + 14.48
B	100-91	0.78	LTS + 11.73
B	100-94	0.22	LTS + 9.48
B	100-94	0.47	LTS + 7.54
B	100-98	0.88	UTS + 12.06
B	100-98	1.61	UTS + 12.82
B	101-24	0.64	09S - 0.74
B	101-31	0.28	LTS + 8.12
B	101-31	0.36	LTS + 13.59

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S/N Indications

OTSG	TUBE DESIGNATION	AMPLITUDE (VOLTS)	LOCATION
B	101-31	0.47	LTS + 28.00
B	101-31	0.61	LTS + 11.35
B	101-31	0.62	LTS + 9.74
B	101-31	0.68	LTS + 12.50
B	101-31	0.88	LTS + 12.02
B	101-37	0.33	LTS + 17.69
B	101-37	0.45	LTS + 11.21
B	101-37	0.59	LTS + 17.10
B	101-41	0.43	LTS + 16.24
B	101-41	0.81	LTS + 15.02
B	101-43	0.24	LTS + 9.27
B	101-45	0.35	LTS + 17.07
B	101-45	0.45	LTS + 16.45
B	101-74	0.31	07S + 8.40
B	101-90	0.24	LTS + 8.31
B	101-91	0.16	LTS + 27.25
B	101-91	0.95	LTS + 8.98
B	101-93	0.11	LTS + 10.50
B	101-93	0.19	LTS + 12.65
B	101-93	0.23	LTS + 9.35
B	101-93	0.25	LTS + 12.30
B	101-93	0.25	LTS + 13.72
B	101-93	0.27	LTS + 26.02
B	101-93	0.28	LTS + 7.98
B	101-93	0.35	LTS + 10.98
B	101-93	0.39	LTS + 6.23
B	101-93	0.58	LTS + 6.58
B	101-93	0.74	LTS + 7.44
B	101-93	0.79	LTS + 5.24
B	102-43	0.18	LTS + 13.28
B	102-43	0.34	LTS + 12.36
B	102-46	1.52	07S - 0.81
B	102-68	0.32	04S - 0.86
B	102-91	0.18	LTS + 9.00
B	102-95	1.17	07S - 0.79
B	103-5	1.17	09S + 0.62
B	103-34	0.27	LTS + 11.39
B	103-34	0.35	LTS + 8.79
B	103-34	0.36	LTS + 6.49
B	103-34	0.42	LTS + 14.51
B	103-34	0.42	LTS + 13.07
B	103-34	0.45	LTS + 9.83
B	103-34	0.53	LTS + 9.47
B	103-34	0.54	LTS + 25.20
B	103-34	0.58	LTS + 7.14
B	103-34	0.61	LTS + 10.43
B	103-34	0.62	LTS + 10.80
B	103-34	0.65	LTS + 8.47
B	103-34	0.81	LTS + 16.86

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S/N Indications

OTSG	TUBE DESIGNATION	AMPLITUDE (VOLTS)	LOCATION
B	103-35	0.25	LTS + 25.63
B	103-35	0.31	LTS + 8.43
B	103-35	0.42	LTS + 11.73
B	103-35	0.46	LTS + 15.15
B	103-35	0.59	LTS + 9.94
B	103-35	0.83	LTS + 9.63
B	103-35	0.17	LTS + 24.64
B	103-37	0.37	LTS + 15.40
B	103-37	0.53	LTS + 9.99
B	103-44	0.27	LTS + 14.50
B	103-44	0.31	LTS + 17.23
B	103-44	0.35	LTS + 9.60
B	103-44	0.45	LTS + 13.82
B	103-44	0.69	LTS + 12.25
B	103-44	0.99	LTS + 11.57
B	103-55	0.31	07S - 0.82
B	103-81	0.52	03S + 11.67
B	103-90	0.23	LTS + 7.68
B	103-90	0.28	LTS + 13.71
B	103-90	0.30	LTS + 12.03
B	103-90	0.40	LTS + 5.32
B	103-90	0.40	LTS + 8.96
B	103-90	0.44	LTS + 12.94
B	103-90	0.48	LTS + 9.68
B	103-90	0.63	LTS + 11.71
B	103-90	0.67	LTS + 7.05
B	103-90	1.05	LTS + 8.14
B	103-93	0.58	LTS + 8.19
B	103-97	0.35	04S - 0.76
B	104-31	0.91	LTS + 10.12
B	104-33	0.55	LTS + 5.51
B	104-33	0.81	LTS + 6.52
B	104-33	0.81	LTS + 8.45
B	104-36	0.22	LTS + 17.14
B	104-36	0.48	LTS + 6.94
B	104-37	0.20	LTS + 13.33
B	104-46	0.78	07S - 0.78
B	104-51	0.34	LTS + 10.17
B	104-51	0.76	LTS + 9.75
B	104-77	0.17	LTS + 8.27
B	104-77	0.24	LTS + 10.90
B	104-77	0.24	LTS + 7.14
B	104-119	0.43	08S + 0.60
B	105-120	0.36	07S - 0.79
B	105-32	0.23	LTS + 12.04
B	105-32	0.25	LTS + 11.48
B	105-32	0.42	LTS + 12.52
B	105-32	0.48	LTS + 9.40
B	105-32	0.54	LTS + 16.19

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OTSG	TUBE DESIGNATION	AMPLITUDE (VOLTS)	LOCATION
B	105-32	0.75	LTS + 7.83
B	105-32	1.00	LTS + 8.22
B	105-34	0.27	LTS + 14.49
B	105-34	0.29	LTS + 9.03
B	105-34	0.41	LTS + 12.61
B	105-34	0.55	LTS + 10.54
B	105-36	0.73	LTS + 10.01
B	105-42	1.73	07S - 0.73
B	105-43	0.27	LTS + 11.80
B	105-43	0.31	LTS + 16.58
B	105-43	0.34	LTS + 12.22
B	105-43	0.54	LTS + 18.01
B	105-87	0.43	07S - 0.79
B	105-90	0.27	LTS + 6.51
B	105-113	0.90	07S - 0.79
B	105-122	0.44	07S - 0.79
B	106-33	0.46	LTS + 12.79
B	106-35	0.27	LTS + 7.28
B	106-35	0.35	LTS + 6.36
B	106-35	0.37	LTS + 8.70
B	106-38	1.39	07S - 0.83
B	106-47	0.31	LTS + 14.90
B	106-47	0.48	LTS + 14.29
B	106-47	0.57	LTS + 9.62
B	106-55	0.41	07S - 0.81
B	106-92	0.34	03S - 0.81
B	106-97	0.51	02S - 0.73
B	106-116	0.32	09S - 0.84
B	106-117	0.39	09S - 0.81
B	107-23	0.65	07S - 0.78
B	107-32	0.22	LTS + 7.13
B	107-32	0.49	LTS + 9.25
B	107-48	0.79	LTS + 12.29
B	107-50	0.21	LTS + 10.09
B	107-50	0.25	LTS + 5.71
B	107-50	0.41	LTS + 10.94
B	107-50	0.90	LTS + 9.31
B	108-15	0.52	07S - 0.76
B	108-31	0.41	LTS + 8.86
B	108-31	0.59	LTS + 7.26
B	108-33	0.22	LTS + 8.33
B	108-33	0.25	LTS + 13.69
B	108-33	0.29	LTS + 13.01
B	108-33	0.34	LTS + 10.58
B	108-33	0.53	LTS + 12.65
B	108-33	0.74	LTS + 6.36
B	108-42	0.17	LTS + 16.58
B	108-42	0.37	LTS + 13.45
B	108-42	0.39	LTS + 15.65

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S/N Indications

OTSG	TUBE DESIGNATION	AMPLITUDE (VOLTS)	LOCATION
B	108-42	0.41	LTS + 9.19
B	108-42	0.53	LTS + 11.15
B	108-42	0.64	07S - 0.80
B	108-44	0.39	LTS + 14.99
B	108-47	0.36	LTS + 5.43
B	108-47	0.42	LTS + 13.24
B	108-47	0.52	LTS + 8.83
B	108-47	0.65	LTS + 6.66
B	109-29	0.39	LTS + 8.75
B	109-29	0.42	LTS + 7.97
B	109-29	0.61	LTS + 5.41
B	109-31	0.25	LTS + 6.58
B	109-31	0.32	LTS + 12.35
B	109-32	0.46	LTS + 11.97
B	109-32	0.67	LTS + 7.04
B	109-32	0.94	LTS + 9.52
B	109-45	0.86	07S - 0.78
B	109-52	1.13	07S - 0.83
B	109-60	0.25	03S - 0.77
B	109-84	0.40	03S - 0.75
B	110-29	0.27	LTS + 13.05
B	110-29	0.35	LTS + 10.50
B	110-29	0.39	LTS + 12.30
B	110-29	0.41	LTS + 7.68
B	110-41	0.83	LTS + 9.06
B	110-42	0.46	07S - 0.82
B	110-45	0.71	LTS + 11.16
B	110-47	0.47	LTS + 8.76
B	110-70	0.50	03S + 26.41
B	111-41	0.14	LTS + 15.12
B	111-41	0.15	LTS + 7.54
B	111-41	0.19	LTS + 11.94
B	111-41	0.21	LTS + 6.83
B	111-41	0.24	LTS + 13.30
B	111-41	0.28	LTS + 8.49
B	111-41	0.30	LTS + 10.64
B	111-41	0.36	LTS + 10.85
B	111-41	0.58	LTS + 9.14
B	111-47	0.18	LTS + 8.97
B	111-47	0.21	LTS + 7.68
B	111-47	0.34	LTS + 7.96
B	111-66	0.60	07S - 0.79
B	111-71	0.41	07S - 0.74
B	111-71	0.48	03S - 0.77
B	112-17	0.66	LTE + 7.29
B	112-40	0.25	LTS + 12.08
B	112-40	0.39	LTS + 14.52
B	112-40	0.40	LTS + 13.60
B	112-40	0.49	LTS + 25.21

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OTSG	TUBE DESIGNATION	AMPLITUDE (VOLTS)	LOCATION
B	112-40	0.51	LTS + 13.33
B	112-40	0.52	LTS + 9.31
B	112-40	0.65	LTS + 9.99
B	112-40	0.70	LTS + 6.65
B	112-43	0.20	LTS + 10.34
B	112-43	0.22	LTS + 9.80
B	112-43	0.28	LTS + 8.55
B	112-82	0.60	07S - 0.80
B	112-101	0.27	07S - 0.80
B	113-39	0.49	LTS + 6.23
B	113-39	0.63	LTS + 11.23
B	113-39	0.64	LTS + 10.41
B	113-39	0.65	LTS + 15.42
B	113-39	0.73	LTS + 12.05
B	113-41	0.28	LTS + 15.26
B	113-41	0.30	LTS + 10.50
B	113-41	0.37	LTS + 12.18
B	113-41	0.54	LTS + 10.28
B	113-48	0.23	LTS + 11.92
B	113-48	0.24	LTS + 9.82
B	113-48	0.24	LTS + 24.72
B	113-48	0.30	LTS + 10.84
B	113-48	0.31	LTS + 14.65
B	113-48	0.32	LTS + 8.28
B	113-48	0.35	LTS + 15.67
B	113-48	0.43	LTS + 16.97
B	113-48	0.49	LTS + 15.45
B	113-48	0.59	LTS + 14.10
B	114-39	0.33	09S - 0.81
B	114-44	0.35	LTS + 16.98
B	114-44	0.46	LTS + 7.62
B	114-47	0.41	LTS + 11.27
B	114-70	0.69	07S - 0.80
B	114-85	0.24	07S - 0.83
B	115-43	0.65	07S - 0.83
B	115-46	0.47	03S - 0.81
B	115-100	0.47	07S - 0.77
B	116-39	0.56	03S - 0.79
B	116-42	0.59	LTS + 23.54
B	116-49	1.28	07S - 0.79
B	116-52	0.44	07S - 0.70
B	116-61	0.35	07S - 0.80
B	116-74	0.22	02S + 35.84
B	116-80	0.42	07S - 0.83
B	117-43	0.35	LTS + 8.38
B	117-44	0.27	LTS + 12.26
B	117-44	0.34	LTS + 14.71
B	117-44	0.38	LTS + 12.96
B	117-44	0.42	LTS + 5.51

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S/N Indications

OTSG	TUBE DESIGNATION	AMPLITUDE (VOLTS)	LOCATION
B	117-44	0.49	LTS + 14.43
B	117-44	0.51	LTS + 15.81
B	117-44	0.54	LTS + 10.00
B	117-44	0.54	LTS + 7.88
B	117-44	0.68	LTS + 8.47
B	117-44	0.70	LTS + 11.15
B	117-44	0.71	LTS + 9.06
B	117-44	0.92	LTS + 7.48
B	117-71	0.70	07S - 0.76
B	117-73	0.70	07S - 0.80
B	118-36	0.25	LTS + 26.12
B	118-39	0.22	LTS + 6.71
B	118-39	0.25	LTS + 9.03
B	118-39	0.31	LTS + 8.28
B	118-40	0.18	LTS + 13.88
B	118-40	0.31	LTS + 6.35
B	118-40	0.31	LTS + 24.57
B	118-40	0.37	LTS + 11.01
B	118-40	0.46	LTS + 25.16
B	118-40	0.57	LTS + 8.67
B	118-40	0.59	LTS + 23.32
B	118-66	0.54	03S - 0.75
B	118-66	0.77	07S - 0.75
B	118-89	0.44	07S - 0.91
B	118-99	0.54	07S - 0.76
B	119-12	0.77	07S - 0.84
B	119-20	0.33	09S - 0.86
B	119-48	1.15	07S - 0.31
B	119-63	0.97	07S - 0.79
B	119-66	0.53	07S - 0.81
B	120-63	0.78	07S - 0.83
B	120-97	0.68	07S - 0.78
B	120-102	0.38	09S - 0.76
B	120-102	0.67	07S - 0.77
B	121-47	0.33	10S + 7.38
B	121-48	0.48	07S - 0.73
B	121-49	0.54	07S - 0.90
B	121-49	0.56	01S + 25.59
B	121-78	0.56	03S - 0.76
B	122-89	0.62	07S - 0.36
B	122-102	0.60	07S - 0.93
B	123-10	0.90	07S + 6.55
B	123-10	0.94	07S + 5.59
B	123-74	0.63	07S - 0.82
B	123-93	0.41	07S - 0.76
B	124-8	0.37	09S + 13.37
B	124-8	0.47	09S + 21.74
B	124-8	0.51	14S + 10.04
B	124-8	0.52	10S + 12.12

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S/N Indications

OTSG	TUBE DESIGNATION	AMPLITUDE (VOLTS)	LOCATION
B	124-8	0.54	14S + 10.94
B	124-8	0.56	14S + 9.51
B	124-8	0.60	08S + 11.64
B	124-8	0.67	09S + 12.33
B	124-8	0.69	07S + 23.55
B	124-8	0.86	09S + 22.53
B	124-17	0.53	07S - 0.79
B	124-48	0.70	07S - 0.73
B	125-10	0.31	15S + 38.96
B	125-10	0.34	09S + 12.72
B	125-10	0.38	09S + 4.84
B	125-10	0.46	11S + 4.69
B	125-10	0.50	09S + 13.68
B	125-10	0.66	15S + 38.41
B	125-63	0.35	07S - 0.77
B	125-89	0.92	07S - 0.79
B	125-98	0.33	07S - 0.85
B	125-98	0.51	10S - 0.71
B	126-43	0.46	07S - 0.85
B	126-53	0.70	07S - 0.80
B	127-8	0.31	09S + 23.95
B	127-8	0.37	15S + 22.13
B	127-8	0.40	11S + 24.85
B	127-8	0.40	12S + 6.71
B	127-8	0.42	09S + 13.90
B	127-8	0.42	08S + 5.13
B	127-8	0.43	06S + 8.28
B	127-8	0.44	08S + 15.37
B	127-8	0.48	14S + 28.15
B	127-8	0.50	04S + 17.31
B	127-8	0.53	08S + 33.95
B	127-8	0.60	05S + 24.94
B	127-8	0.67	06S + 17.03
B	127-8	0.67	02S + 19.16
B	127-8	0.67	09S + 4.60
B	127-8	0.71	12S + 14.71
B	127-8	1.40	LTE + 3.11
B	127-18	0.34	11S - 0.82
B	127-58	0.94	07S - 0.80
B	127-96	0.75	10S - 0.68
B	128-53	0.91	13S - 0.84
B	129-52	0.49	03S - 0.75
B	129-52	0.70	07S - 0.75
B	130-14	0.47	07S + 0.66
B	130-14	0.65	09S - 0.82
B	130-23	0.75	07S - 0.81
B	130-40	0.56	07S - 0.81
B	130-47	0.72	07S - 0.78
B	130-57	0.38	07S + 28.76

Appendix A
S/N Indications

OTSG	TUBE DESIGNATION	AMPLITUDE (VOLTS)	LOCATION
B	130-92	0.58	10S - 0.74
B	131-50	0.74	07S - 0.81
B	132-30	0.67	07S - 0.76
B	132-36	0.55	07S - 0.80
B	132-45	0.79	07S - 0.81
B	132-49	0.47	07S - 0.82
B	132-58	0.64	07S - 0.78
B	132-63	1.14	07S - 0.76
B	133-65	0.62	07S - 0.76
B	133-49	0.46	07S - 0.82
B	134-7	0.54	09S + 0.60
B	134-29	0.64	07S - 0.78
B	134-38	0.87	07S - 0.79
B	134-39	0.51	07S - 0.81
B	134-44	0.38	08S + 16.50
B	134-63	0.76	07S - 0.76
B	134-78	0.48	07S - 0.80
B	135-29	0.82	07S - 0.77
B	135-43	0.52	09S - 0.59
B	135-43	0.57	07S - 0.82
B	135-47	0.46	07S - 0.83
B	136-32	1.04	07S - 0.74
B	136-49	0.62	07S - 0.79
B	137-3	0.58	10S + 0.66
B	137-77	0.37	07S - 0.85
B	138-1	0.36	12S + 0.64
B	138-2	0.67	11S - 0.75
B	138-2	0.83	10S + 0.63
B	138-20	0.37	07S - 0.80
B	138-30	0.89	07S - 0.80
B	139-21	0.59	07S - 0.76
B	139-29	0.34	07S - 0.81
B	139-33	0.34	07S - 0.77
B	139-74	1.19	07S - 0.88
B	140-21	0.98	07S - 0.69
B	140-32	0.49	07S - 0.82
B	141-29	0.81	13S - 0.84
B	141-57	0.58	07S - 0.85
B	141-59	0.55	14S - 0.88
B	141-61	0.31	05S + 0.38
B	142-11	0.43	07S - 0.75
B	142-12	0.57	07S - 0.78
B	142-14	0.83	07S - 0.80
B	142-24	0.53	07S - 0.77
B	142-38	0.41	03S - 0.82
B	142-38	0.50	07S - 0.82
B	142-42	0.37	10S + 22.32
B	142-57	0.41	07S - 0.85
B	143-31	0.52	07S - 0.79

Appendix A
S/N Indications

OTSG	TUBE DESIGNATION	AMPLITUDE (VOLTS)	LOCATION
B	144-12	0.98	07S - 0.89
B	144-13	0.57	07S - 0.74
B	144-15	0.77	07S - 0.78
B	144-22	0.55	07S - 0.79
B	144-24	0.47	07S - 0.77
B	144-56	0.58	07S - 0.84
B	145-8	0.68	07S - 0.83
B	145-12	0.34	07S - 0.75
B	145-28	0.54	07S - 0.80
B	145-34	0.69	07S - 0.80
B	146-14	1.25	07S - 0.89
B	146-18	0.51	07S - 0.82
B	146-26	0.35	07S + 0.67
B	146-26	0.91	09S - 0.78
B	146-26	1.02	08S - 0.76
B	146-30	0.45	07S - 0.86
B	146-47	0.51	07S - 0.88
B	147-12	0.69	07S - 0.77
B	147-17	0.32	07S + 0.64
B	147-2	0.47	07S - 0.79
B	147-23	0.48	09S - 0.84
B	147-23	0.71	03S - 0.80
B	147-24	0.49	07S - 0.77
B	147-32	0.41	09S + 0.52
B	147-44	0.31	10S - 0.69
B	147-44	0.57	07S - 0.86
B	148-17	0.62	07S + 0.52
B	148-38	0.56	10S - 0.77
B	149-11	0.65	07S - 0.74
B	149-13	1.17	10S + 0.55
B	149-30	0.51	10S + 0.63
B	149-30	0.59	10S - 0.66
B	149-32	0.41	10S + 0.66
B	150-10	0.56	10S + 0.64
B	150-15	0.38	10S + 0.63
B	150-15	0.81	07S - 0.83
B	151-1	0.33	10S - 0.72
B	151-3	0.53	10S - 0.79
B	151-10	0.40	10S - 0.80
B	151-12	0.66	10S - 0.70
B	151-13	0.47	13S + 0.62
B	151-13	0.56	10S + 0.61
B	151-13	1.11	10S - 0.75