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May 19, 2010

10 CFR 50.4

ATTN: Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555-0001

Sequoyah Nuclear Plant, Unit 2
Facility Operating License No. DPR-79
NRC Docket No. 50-328

Subject: **Unit 2 Cycle 16 - 180-Day Steam Generator Inspection Report**

In accordance with Sequoyah Nuclear Plant (SQN), Unit 2, Technical Specification (TS) 6.8.4.k, "Steam Generator Program," and TS 6.9.1.16, "Steam Generator Tube Inspection Report," SQN is providing the 180-day Steam Generator (SG) Inspection Report. The report includes the results of inservice inspections performed on the Unit 2 SGs during the Unit 2 Cycle 16 refueling outage.

There are no commitments contained in this letter. If you have any questions concerning this issue, please contact J. W. Proffitt at (423) 843-6651.

Respectfully,

R. M. Krich

Enclosure:
Unit 2 Cycle 16 - 180-Day Steam Generator Inspection Report

cc (Enclosure):
NRC Regional Administrator – Region II
NRC Senior Resident Inspector – Sequoyah Nuclear Plant

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ENCLOSURE

TENNESSEE VALLEY AUTHORITY
SEQUOYAH NUCLEAR PLANT

UNIT 2 CYCLE 16

180-DAY STEAM GENERATOR INSPECTION REPORT

Tennessee Valley Authority

Sequoyah Nuclear Plant

Unit 2 Cycle 16
Refueling Outage
November 2009

180 Day Steam Generator Inspection Report

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Verified by: William David Jones 04/12/2010

Approved by: [illegible] 4-22-2010

In accordance with Technical Specification 6.8.4.k "Steam Generator Program," and Technical Specification 6.9.1.16, "Steam Generator Tube Inspection Report," this report documents the results of the Unit 2 Cycle 16 steam generator (SG) tubing inservice inspection. The following is the required scope of the 180-day report.

1. The Scope of the Inspection Performed on Each SG

Eddy Current Exam Type	SG 1	SG 2	SG 3	SG 4	Total
Full Length Bobbin Coil	2500	2448	2435	2474	9857
Straight Leg Bobbin (H/L & C/L)	1592	1486	1582	1522	6182
Partial Bobbin U-Bend (R5 thru R9)	458	426	452	416	1752
Low Row U-Bend Plus Point (R1 thru R4)	338	317	339	345	1339
High Row U-Bend MHI (R5 thru R10)	540	512	535	504	2091
Cold Leg Top of Tubesheet Plus Point	660	639	646	647	2592
Hot Leg Top of Tubesheet Plus Point	3296	3191	3226	3235	12948
U-Bend Dented Plus Point	74	30	10	96	210
Hot Leg Dented Plus Point	289	213	249	114	865
Cold Leg Dented Plus Point	129	38	104	138	409
C/L Top of Tubesheet Plus Point Expansion	2636	2552	2580	2588	10356
Diagnostic/PID Plus Point	163	205	250	337	955
Total Exams Completed	12675	12057	12408	12416	49556
Total Tubes Examined	3296	3191	3226	3235	12948

2. Active Degradation Mechanisms Found

INDICATIONS (Tubes)	SG 1	SG 2	SG 3	SG 4	Total
AVB WEAR	6	24	10	8	48
COLD LEG THINNING	43	80	54	45	222
ODSCC HTS AXIAL	0	0	1	2	3
ODSCC HTS CIRC	0	1	1	3	5
ODSCC TSP AXIAL	516	570	649	1046	2781
FREESPAN ODSCC AXIAL	2	1	0	1	4
LOOSE PARTS WEAR	0	0	0	2	2
PWSCC HTS AXIAL	0	2	2	1	5
PWSCC HTS CIRC	0	1	1	0	2
PWSCC CTS AXIAL	0	1	0	2	3
PWSCC U-BEND AXIAL	0	0	0	0	0
PWSCC U-BEND CIRC	0	0	0	0	0
PREVENTIVE/OTHER/VOLUMETRIC	2	3	4	15	24
Total	569	683	722	1125	3099

3. Nondestructive Examination (NDE) Techniques Utilized for Each Degradation Mechanism.

Table 1

Degradation Mechanism	Detection Technique
AVB Wear	Bobbin Coil Exams
Cold Leg Thinning	Bobbin Coil Exams
Loose Parts Wear	Bobbin and +Point Exams
ODSCC Axial Freespan	Bobbin Coil Exams
ODSCC Axial top-of-tubesheet	+Point Exams
ODSCC Circ top-of-tubesheet	+Point Exams
ODSCC Axial in Sludge Pile	+Point Exams
ODSCC Axial Tube Support Plate (TSP)	Bobbin Coil Exams
ODSCC Circ dented TSPs	+Point Exams
Pitting / Volumetric	Bobbin Coil and +Point Exams
PWSCC Axial at Freespan dings	+Point Exams
PWSCC Circ at Freespan dings	+Point Exams
PWSCC Axial top-of-tubesheet	+Point Exams
PWSCC Circ top-of-tubesheet	+Point Exams
PWSCC Axial U-bend R1-4	+Point Exams
PWSCC Circ U-bend R1-4	+Point Exams
PWSCC Axial U-bend R5-10	+Point or Array Probe Exams
PWSCC Circ U-bend R5-10	+Point or Array Probe Exams
PWSCC Axial at dented TSPs	+Point Exams
PWSCC Circ at dented TSPs	+Point Exams

4. Location, Orientation (if Linear), and Measured Sizes (if Available) of Service Induced Indications.

Refer to Tables 2 and 4.

5. Number of Tubes Plugged During the Inspection Outage for Each Active Degradation Mechanism.

Plugging Status	SG 1	SG 2	SG 3	SG 4	Total
Previously Plugged Tubes	92	197	162	153	604
Damage Mechanism					
COLD LEG THINNING	0	1	2	2	5
ODSCC HTS AXIAL	0	0	1	2	3
ODSCC HTS CIRC	0	1	1	3	5
ODSCC TSP AXIAL	5	8	2	12	27
FREESPAN ODSCC AXIAL	2	1	0	1	4
PREVENTATIVE	2	0	3	11	16
VOLUMETRIC	0	2	0	0	2
PWSCC HTS AXIAL	0	2	2	1	5
PWSCC HTS CIRC	0	1	1	0	2
PWSCC CTS AXIAL	0	1	0	2	3
PWSCC U-BEND AXIAL	0	0	0	0	0
PWSCC U-BEND CIRC	0	0	0	0	0
Plugged Cycle 16	9	17	12	34	72
TOTAL TUBES PLUGGED	101	214	174	187	676
TOTAL PERCENTAGE	3.0%	6.3%	5.1%	5.5%	5.0%

6. Total Number and Percentage of Tubes Plugged to Date.

Refer to the response to number 5 above.

7. The Results of Condition Monitoring, Including the Results of Tube Pulls and In-Situ Testing

Anti-Vibration Bar (AVB) Wear
The Sequoyah Unit 2 Cycle 16 Degradation Assessment predicted, based on past indications and growth rate data, that two tubes would exceed the plugging limit for AVB wear. A total of 91 indications (in 48 tubes) were detected. None exceeded the plugging limit of 40 percent. The 40 percent plugging limit is conservative for Sequoyah Unit 2 SGs for both structural integrity and accident induced leakage performance criteria. Condition monitoring assumed the axial length of the AVB wear indication to be greater than the width of the AVB (i.e., 0.53 inch vs. actual width of 0.38 inch). The limiting indication of 39 percent measured max depth was in SG2/R24/C61 at AV2. The corrected max depth would be 41.31 percent [i.e., (0.94 x 39) + 4.65 = 41.31 percent]. The examination technique specification sheet (ETSS) NDE technique measurement uncertainty is 3.76 percent. In accordance with EPRI Steam Generator Integrity Guidelines, the analyst uncertainty is assumed to be half of the NDE technique uncertainty. The square root of the sum of the squares was used to determine the total NDE uncertainty of 4.20 percent [i.e., $(3.76^2 + (3.76/2)^2)^{0.5} = 4.20$]. TubeWorks <135 degrees circumferential extent, structural limit calculator was utilized to calculate the 95th percentile lower limit burst pressure of 6073 pounds per square inch gage (psig). No AVB wear indication exceeded the structural or leakage screening criteria for in-situ pressure testing. All AVB wear indications met condition monitoring performance criteria of 4203.6 psig.

The U2C15 Operational Assessment assumed a 40 percent through-wall AVB wear was left in service which grew at 11.56 percent/effective full power years (EFPY) into a 64.71 percent through-wall indication. The largest indications discovered this outage was 39 percent through-wall. The 95th percentile growth rate for the U2C16 inspection was 9.04 percent/EFPY. The U2C15 Operational Assessment predicted zero leakage for AVB wear and the largest AVB Wear indication of 39 percent through-wall would have zero leakage during a postulated main steam line break (MSLB) accident. Therefore, the U2C15 Operational Assessment bounded the U2C16 findings.

Cold Leg Thinning
The Sequoyah U2C16 Degradation Assessment predicted four tubes to exceed the repair limit of 40 percent through-wall for cold leg thinning. A total of 233 indications (in 222 tubes) of cold leg thinning were detected. Five indications exceeded the repair limit of 40 percent through-wall and were plugged. The 40 percent repair limit is conservative for SQN Unit 2 SGs for structural and leakage performance criteria. Condition monitoring assumed the axial length of cold leg thinning to be the tube support plate

thickness (0.75 inch). Three tubes shared the most limiting percent through-wall with an NDE indicated value of 43 percent max depth and were in SG Nos. 3 and 4. The corrected depth is 35.10 percent (i.e., 0.97 x 43 - 6.61 = 35.10). The ETSS NDE technique measurement uncertainty is 13.20. In accordance with EPRI Steam Generator Integrity Guidelines, the analyst uncertainty is assumed to be half of the NDE technique uncertainty. The square root of the sum of the squares was used to determine the total NDE uncertainty of 14.76 percent [i.e., $(13.2^2 + (13.2/2)^2)^{0.5} = 14.76$]. TubeWorks <135 degrees circumferential extent, structural limit calculator was utilized to calculate the 95th percentile lower limit burst pressure of 5122 psig. All cold leg thinning indications met condition monitoring performance criteria of 3439 (1.43 x 2405=3439) psig. The five indications which exceeded the plugging limit were plugged.

The U2C15 Operational Assessment assumed a 40 percent through-wall indication at the beginning of cycle (BOC) with an average depth growth rate of 5.0 percent/EFPY with a standard deviation of 8.8 percent/EFPY. Utilizing a Monte Carlo methodology, the end of cycle (EOC) burst pressure was calculated to be 4444 psig. The U2C16 examinations discovered a 43 percent through-wall indication with a calculated burst pressure of 5122 psig. Therefore, the U2C15 Operational Assessment bounds the U2C16 finding.

Loose Part Wear

The Sequoyah U2C16 Degradation Assessment predicted 13 tubes to be plugged for loose part wear. Two indications attributed to loose part wear were detected during the U2C16 inspection at the cold leg top-of-tubesheet in SG No. 4 (SG4/R4/C4 and SG4/R34/C21). Eddy current did not indicate the presence of foreign material at these indications. These indications were sized at 25 percent and 21 percent. ETSS 27903.4 was utilized to size these indications. The most limiting indication (25 percent) had a corrected depth value of 24.48 percent (1.03 x 25-1.27 = 24.48 percent). ETSS 27903.4 depth measurement uncertainty is 2.18 percent. In accordance with EPRI Steam Generator Integrity Guidelines, the analyst uncertainty is assumed to be half of the NDE technique uncertainty. The square root of the sum of the squares was used to determine the total NDE uncertainty of 2.44 ([i.e. $(2.18^2 + (2.18/2)^2)^{0.5} = 2.44$]. No tubes were plugged as a result of loose parts wear; however, four tubes in SG No. 4 and two tubes in SG No. 1 were plugged and stabilized due to the inability to retrieve loose parts. Assuming a conservative length of 0.5 inch (measured length was 0.25 inch) the 95th percentile lower limit burst pressure was calculated to be 6778 pounds per square inch (psi), which is greater than the 3 delta (Δ)P value of 4203.6 psi.

Outside Diameter Stress Corrosion Cracking (ODSCC) Axial Freespan

The Sequoyah U2C16 Degradation Assessment predicted six tubes to be plugged for ODSCC axial freespan. Twelve indications (in three tubes) of ODSCC axial freespan were identified during the U2C16 inspection. All indications were below the 0.4-volt quick screen for structural or leakage evaluation. The 0.4 quick screen is based on EPRI

Steam Generator In-Situ Pressure Test Guidelines, Section B.3.4, which states that the plus point 0.4-volt quick screen value precludes a tube from bursting at 3ΔP and therefore eliminates the need to perform NDE sizing or in-situ pressure testing. Therefore, no in situ pressure test was performed on these tubes. All indications of ODSCC axial freespan cracking were plugged.

Due to all indications of ODSCC axial freespan being below the 0.4-volt quick screen, it is judged that U2C15 Operational Assessment bounds the U2C16 finding.

ODSCC Axial Freespan associated with dings

The Sequoyah U2C16 Degradation Assessment predicted one tube to be plugged for ODSCC axial freespan cracking associated with dings. Zero indications of ODSCC axial freespan cracking associated with dings were detected.

ODSCC Axial at Hot Leg Top of Tubesheet (HTS)

The Sequoyah U2C16 Degradation Assessment predicted six tubes to be plugged for ODSCC axial at HTS. A total of three indications in three tubes were identified. All were below the 0.4-volt quick screen for performing structural or leakage analysis. The 0.4-volt quick screen is based on EPRI Steam Generator In-Situ Pressure Test Guidelines, Section B.3.4, which states that the plus point 0.4-volt quick screen value precludes a tube from bursting at 3ΔP and therefore eliminates the need to perform NDE sizing or in-situ pressure testing. Therefore, all ODSCC axial at HTS indications met the condition monitoring performance criteria. All ODSCC axial at HTS indications were plugged.

Due to all indications of ODSCC axial HTS being below the 0.4-volt quick screen, it is judged that U2C15 Operational Assessment bounds the U2C16 finding.

ODSCC Circumferential at HTS

The Sequoyah U2C16 Degradation Assessment predicted 26 tubes to be plugged for ODSCC circumferential at HTS. A total of five indications (in five tubes) were identified. Each of these tubes was below the 0.4-volt quick screen for performing structural or leakage integrity. The 0.4-volt quick screen is based on EPRI Steam Generator In-Situ Pressure Test Guidelines, Section B.3.4, which states that the plus point 0.4-volt quick screen value precludes a tube from bursting at 3ΔP and therefore eliminates the need to perform NDE sizing or in situ pressure testing. Therefore, all ODSCC circumferential at HTS indications met the condition monitoring performance criteria. All ODSCC circumferential at HTS indications were stabilized and plugged.

Due to all indications of ODSCC circumferential at HTS being below the 0.4-volt quick screen, it is judged that U2C15 Operational Assessment bounds the U2C16 finding.

ODSCC Axial in the Sludge Pile

The Sequoyah U2C16 Degradation Assessment predicted one tube to be plugged for ODSCC axial in the Sludge Pile region. One indication of this degradation mechanism was detected. The voltage was less than 0.4 volts. The 0.4-volt quick screen is based on EPRI Steam Generator In-Situ Pressure Test Guidelines, Section B.3.4, which states that the plus point 0.4-volt quick screen value precludes a tube from bursting at 3ΔP and therefore eliminates the need to perform NDE sizing or in-situ pressure testing. Therefore, all ODSCC axial in the Sludge Pile indications met the condition monitoring performance criteria. All ODSCC axial Sludge Pile indications were plugged.

Due to the indications of ODSCC axial in the Sludge Pile being below the 0.4-volt quick screen, it is judged that U2C15 Operational Assessment bounds the U2C16 finding.

ODSCC Axial at Tube Support Plate (TSP) (non-dented)

The Sequoyah U2C16 Degradation Assessment predicted 26 tubes to be plugged for ODSCC axial at TSPs. Eighteen indications were plugged U2C16 (another nine were plugged "preventively" to prevent extreme voltage growth) The alternate repair criteria for ODSCC axial at TSPs continued to be implemented this inspection and a detailed condition monitoring and operational assessment report will be transmitted to NRC within 90 days. Condition monitoring calculations have been performed and probability of burst in the limiting SG at the end of cycle 16 (EOC-16) was 7.04E-4 and the postulated accident induced leakage in the limiting SG at EOC-16 was 0.667 gallons per minute (gpm). These values meet performance criteria. Additionally, ODSCC TSP axial indications greater than 1.0 volts were examined by +Point probe. Senior eddy current analysts reviewed the eddy current data and those which could possibly have extreme voltage growth during the next cycle were preventively plugged. Indications greater than 2.0 volts that confirmed with +Point probe were plugged.

The U2C15 Operational Assessment predicted for the most limiting SG that the primary to secondary leakage during a postulated MSLB to be 1.34 gpm which conservatively bounds the condition monitoring value of 0.667 gpm. The U2C15 Operational Assessment predicted the most limiting SG conditional burst probability to be 4.55E-4. U2C16 condition monitoring determined the most limiting conditional probability of burst to be in SG No. 4 with a value of 7.04E-4. Therefore, the U2C15 Operational Assessment prediction did not bound the U2C16 finding for conditional probability of burst. Service request 92712 was written for this issue.

During the U2C16 inspection, a 6.55-volt indication was discovered in SG4/R23/C54 at H06 and a 4.17-volt indication was discovered at SG3/R9/C5 at H01. EPRI Steam Generator Tubing ODSCC at TSP Database for Alternate Repair Limits: Addendum 7 is the database supporting the Generic Letter 95-05, Alternate Repair Criteria. This indicates that a voltage of greater than 8 volts will maintain a safety factor of 1.4 against burst during a MSLB accident. Based on this, both the 6.55-volt indication and 4.17-volt indication maintained structural integrity. Excluding these two indications, the growth

rates have been practically unchanged for the past three cycles of operation. These two indications are not indicative of the general growth rate experienced during Cycle 16 nor the growth rates during the previous two cycles. The preliminary GL 95-05 analysis indicated the probability of burst and leakage was well within the acceptance criteria. Based on all ODSCC axial at tube support plate indications maintaining structural and leakage integrity, SQN is justified in returning the Unit 2 SGs to service for fuel Cycle 17.

ODSCC Axial at Dented TSPs

The Sequoyah U2C16 Degradation Assessment predicted one tube to be plugged for ODSCC axial at dented TSPs. Nine SAI indications at ≥ 2.0-volt dents were plugged U2C16. This was nine SAI indications in nine tubes. All SAIs were within the tube support structure. All dents ≥ 2.0 volts are examined with the +Point probe in the hot leg and the top support of the cold leg (C07) (except SG No. 2 which examined to C06).

ODSCC Circumferential at TSPs Associated with Dents

The Sequoyah U2C16 Degradation Assessment predicted two tubes to be plugged for ODSCC circumferential at dented TSPs. Zero indications of ODSCC circumferential at TSPs were detected.

ODSCC Circumferential at Freespan

The Sequoyah U2C16 Degradation Assessment predicted one tube to be plugged for ODSCC circumferential freespan. Zero indications of ODSCC circumferential at freespan were detected.

Pitting

The Sequoyah U2C16 Degradation predicted one tube to be plugged for pitting. Zero indications of pitting were detected.

Primary Water Stress Corrosion Cracking (PWSCC) Axial at Freespan Dings

The Sequoyah U2C16 Degradation Assessment predicted one tube to be plugged for PWSCC axial at freespan dings and zero indications were detected.

PWSCC Circumferential Freespan at Dings

The Sequoyah U2C16 Degradation Assessment predicted one tube to be plugged for PWSCC circumferential at freespan dings and zero were detected.

PWSCC Axial at TTS (Top of Tubesheet)
The Sequoyah U2C16 Degradation Assessment predicted four tubes to be plugged for PWSCC Axial at TTS. Eight indications were identified in eight tubes. Four of the indications were less than or equal to the quick screen value of 0.5 volts. The 0.5 volt for PWSCC quick screen is based on EPRI Steam Generator In-Situ Pressure Test Guidelines, Section B.3.4, which states that the plus point 0.5 volt quick screen value precludes a tube from bursting at 3ΔP and therefore eliminates the need to perform NDE sizing or in-situ pressure testing. Therefore, the PWSCC TTS axial indications less than or equal to 0.5 volts met the condition monitoring performance criteria. The remaining indications above the quick screen value of 0.5 volts were located below the top of tubesheet which would preclude burst. As stated in EPRI Steam Generator In-Situ Pressure Test Guidelines, Appendix D, these indications are exempt from in-situ pressure testing because structural integrity is inherently satisfied. Indications in tubes with surrounding structures that would restrict leakage and /or burst during an in-situ test render the results of an in-situ test meaningless. All PWSCC TTS axial indications were plugged.

Due to the indications of PWSCC TTS axial (both hot and cold leg) being less than or equal to the 0.5-volt quick screen or below the top of tubesheet, structural integrity has been maintained and therefore, U2C15 Operational Assessment bounds the U2C16 condition monitoring for PWSCC axial.

PWSCC Circumferential at TTS
The Sequoyah U2C16 Degradation Assessment predicted one tube to be plugged due to PWSCC circumferential at TTS. Two indications in two tubes were identified. Both indications were below the 0.5-volt quick screen value. The 0.5 volt for PWSCC quick screen is based on EPRI Steam Generator In-Situ Pressure Test Guidelines, Section B.3.4, which states that the plus point 0.5-volt quick screen value precludes a tube from bursting at 3ΔP and therefore eliminates the need to perform NDE sizing or in-situ pressure testing. Therefore, the PWSCC TTS circumferential indications less than or equal to 0.5 volts meet the condition monitoring performance criteria. All PWSCC circumferential at TTS indications were plugged.

Due to all indications of PWSCC circumferential at TTS being below the 0.5-volt quick screen, the U2C15 Operational Assessment bounds the U2C16 condition monitoring finding.

PWSCC Axial in Rows 1-4 U-bend Regions
The Sequoyah U2C16 Degradation Assessment predicted one tube to be plugged for PWSCC axial in Rows 1-4 U-bend regions. Zero indications of this degradation mechanism were detected.

PWSCC Circumferential in Rows 1-4 U-bend Regions
The Sequoyah U2C16 Degradation Assessment predicted zero tubes to be plugged for PWSCC circumferential in Rows 1-4 U-bend regions. Zero indications of this degradation mechanism were detected.

PWSCC Axial in Rows 5-20 U-bends
The Sequoyah U2C16 Degradation Assessment predicted zero tubes to be plugged for axial PWSCC in Rows 5-20. Zero indications of this degradation mechanism were detected.

PWSCC Circumferential in Rows 5-20 U-bends
The Sequoyah U2C16 Degradation Assessment predicted four tubes to be plugged for circumferential PWSCC in Rows 5-20. Zero indications of this degradation mechanism were detected.

PWSCC Axial at Dented TSPs
The Sequoyah U2C16 Degradation Assessment predicted one tube to be plugged for this degradation mechanism. Zero indications were detected.

PWSCC Circumferential at Dented TSPs
The Sequoyah U2C16 Degradation Assessment predicted zero tubes to be plugged for this degradation mechanism. Zero indications of PWSCC circumferential at dented TSPs were detected.

Preventive Plugging
During the Sequoyah U2C16 SG tubing examinations, 16 tubes were preventively plugged. Nine tubes with distorted support indication (DSI) were preventively plugged in an effort to preclude extremely large voltage growth indications of ODSCC axial cracks at TSPs. A tenth tube (SG4/R27/C76) was preventively plugged due to geometry affects at the first hot leg support plate intersection. Additionally, six tubes were preventively plugged and stabilized due to foreign material being identified at the top of tubesheet region which could not be removed. No wall loss was associated with the foreign material. None of these tubes had defects identified that exceeded the plugging limit but were plugged to reduce personnel dose associated with either performing the eddy current examinations or the foreign object search and retrievals and to ensure the safe and reliable operation of the Sequoyah Unit 2 during fuel Cycle 17.

In-Situ Pressure Testing

In-situ pressure testing was not required during the Sequoyah U2C16 inspection. Tubes either screened out in accordance with the EPRI Steam Generator In-Situ Pressure Test Guidelines or were exempt due to surrounding structures that would restrict leakage and/or burst during an in-situ test and render the results of an in-situ test meaningless. The majority of the indications detected during U2C16 were less than 0.4 volts for ODSCC or 0.5 volts for PWSCC, which in accordance with EPRI Steam Generator In-Situ Pressure Test Guidelines, Section B.3.4, is a quick screen for in-situ pressure testing. This lower quick screen value precludes an indication from burst at three times normal operating pressure differential.

One information only in-situ pressure test was performed on the 6.55-volt DSI in an attempt to conclusively show it was the tube creating the primary to secondary leakage during the end of fuel Cycle 16. The support plate intersection was pressurized to approximately 1700 psi and held for 90 minutes with zero leakage detected by in-situ. This in-situ pressure test was not required by EPRI Steam Generator In-Situ Pressure Test Guidelines or the SQN SG program.

No tube pulls were performed.

Sludge lancing and foreign object search and retrieval was performed on all four SGs.

Table 2
Condition Monitoring Tube by Tube Listing

										Structural Integrity				Leakage Integrity	
SG	ROW	COL	VOLTS	INDIC	LOC1	LOC2	BWT	CHARACTERIZATION	RESOLUTION	Pb	MV	MD	Len	Vthr-l	Leakage
2	24	61	1.1	39	AV2	0.29	N/A	AVB WEAR	In-Service	6073	1.10			7.8	Note 4
3	29	83	1.22	43	C01	-0.06	N/A	C/L THINNING	PLUG	5122	1.22			19.7	Note 4
4	45	45	1.75	43	C02	-0.28	N/A	C/L THINNING	PLUG	5122	1.75			19.7	Note 4
4	45	50	1.2	43	C02	-0.15	N/A	C/L THINNING	PLUG	5122	1.20			19.7	Note 4
4	3	4	0	0.26	21	CTS	0.27	LOOSE PART WEAR	In Service	6778				2.03	Note 4
4	34	21	0	0.37	25	CTS	0.17	LOOSE PART WEAR	In Service	6778				2.03	Note 4
1	6	89	0.08	SAI	C01	29.3	N/A	ODSCC FREESPAN AXIAL	PLUGX	Note 1				2.21	Note 4
1	6	89	0.04	SAI	C02	8.78	N/A	ODSCC FREESPAN AXIAL	PLUGX	Note 1				2.21	Note 4
1	6	89	0.11	SAI	C02	7.43	N/A	ODSCC FREESPAN AXIAL	PLUGX	Note 1				2.21	Note 4
1	6	89	0.21	SAI	C02	2.59	N/A	ODSCC FREESPAN AXIAL	PLUGX	Note 1				2.21	Note 4
1	6	89	0.02	SAI	C01	44.3	N/A	ODSCC FREESPAN AXIAL	PLUGX	Note 1				2.21	Note 4
1	6	89	0.04	SAI	C01	37.6	N/A	ODSCC FREESPAN AXIAL	PLUGX	Note 1				2.21	Note 4
1	6	89	0.25	SAI	C03	1.18	N/A	ODSCC FREESPAN AXIAL	PLUG	Note 1				2.21	Note 4
1	6	89	0.03	SAI	C01	46.2	N/A	ODSCC FREESPAN AXIAL	PLUGX	Note 1				2.21	Note 4
1	6	89	0.05	SAI	C01	49.3	N/A	ODSCC FREESPAN AXIAL	PLUGX	Note 1				2.21	Note 4
1	6	89	0.14	SAI	C01	30.8	N/A	ODSCC FREESPAN AXIAL	PLUGX	Note 1				2.21	Note 4
1	13	41	0.09	SAI	HTS	2.05	N/A	ODSCC FREESPAN AXIAL	PLUG	Note 1				2.21	Note 4
4	7	60	0.31	SAI	H05	37.2	N/A	ODSCC FREESPAN AXIAL	PLUG	Note 1				2.21	Note 4
3	12	25	0.15	SAI	HTS	-0.04	-0.53	ODSCC HTS AXIAL	PLUG	Note 1				1.00	Note 4
4	17	55	0.12	SAI	HTS	0.07	N/A	ODSCC HTS AXIAL	PLUG	Note 1				1.00	Note 4
4	20	47	0.14	SAI	HTS	-0.01	-0.44	ODSCC HTS AXIAL	PLUG	Note 1				1.00	Note 4
2	19	61	0.12	SCI	HTS	-0.11	-0.3	ODSCC HTS CIRC	PLUG/STAB	Note 1				1.33	Note 4
3	38	25	0.25	SCI	HTS	0.04	N/A	ODSCC HTS CIRC	PLUG/STAB	Note 1				1.33	Note 4
4	6	66	0.13	SCI	HTS	0.05	N/A	ODSCC HTS CIRC	PLUG/STAB	Note 1				1.33	Note 4
4	9	70	0.18	SCI	HTS	0.03	N/A	ODSCC HTS CIRC	PLUG/STAB	Note 1				1.33	Note 4
4	10	70	0.15	SCI	HTS	0.04	N/A	ODSCC HTS CIRC	PLUG/STAB	Note 1				1.33	Note 4
2	8	69	120	0.06	SAI	HTS		ODSCC SLUDGE PILE	PLUG	Note 1				1.89	Note 4
2	8	48	1.84	SAI	CTS	-0.6	-0.51	PWSCC CTS AXIAL	PLUG	Note 6					Note 3
4	2	94	2.05	SAI	CTS	-10.4	-0.37	PWSCC CTS AXIAL	PLUG	Note 6					Note 3
4	2	94	1.85	SAI	CTS	-10.2	-0.37	PWSCC CTS AXIAL	PLUGX	Note 6					Note 5
4	21	83	1.93	SAI	CTS	-7.1	-0.31	PWSCC CTS AXIAL	PLUG	Note 6					Note 3
4	21	83	1.38	SAI	CTS	-7.2	-0.31	PWSCC CTS AXIAL	PLUGX	Note 6					Note 5
2	12	88	0.47	SAI	HTS	-0.81	-0.42	PWSCC HTS AXIAL	PLUG	Note 2				2.50	Note 4
2	20	63	0.5	SAI	HTS	-0.19	-0.3	PWSCC HTS AXIAL	PLUG	Note 6				2.50	Note 4
3	1	24	0.49	SAI	HTS	-5.22	-0.52	PWSCC HTS AXIAL	PLUG	Note 2				2.50	Note 4
3	1	62	0.36	SAI	HTS	-1.44	-0.48	PWSCC HTS AXIAL	PLUG	Note 2				2.50	Note 4
4	11	61	0.72	SAI	HTS	-0.47	-0.31	PWSCC HTS AXIAL	PLUG	Note 6				2.50	Note 4
													Degs		
2	11	57	0.4	SCI	HTS	-0.19	-0.39	PWSCC HTS CIRC	PLUG	Note 2					Note 4
3	8	17	0.45	SCI	HTS	-0.14	-0.4	PWSCC HTS CIRC	PLUG	Note 2					Note 4
2	10	19	31	0.74	SVI	CTS	-2.24	VOLUMETRIC	PLUG	Note 6				2.03	Note 4
2	18	11	118	0.22	SVI	H01	0.32	VOLUMETRIC	PLUG	Note 1				2.03	Note 4
3	14	39	69	0.63	SVI	H01	-0.07	VOLUMETRIC	PLUGX					2.03	Note 4
														Total	0.00009

Note 1: Max Volts is less than 0.4 volts, therefore 95% probability that structural integrity is maintained.
Note 2: Max Volts is less than 0.5 volts, therefore 95% probability that structural integrity is maintained.
Note 3: Leakage for this indication is in W* ARC leakage.
Note 4: Max Volts less than Vthr-l, therefore 95% probability that leakage is zero.
Note 5: Same tube has multiple indications. Leakage is only counted once.
Note 6: Tubesheet precludes burst.
Note 7: Tube Support Plate precludes burst.

8. The Effective Plugging Percentage for All Plugging in Each SG.

SQN Unit 2 does not have any sleeve installed and therefore the effective plugging percentage is identical to the plugging percentage. Refer to the response to number 5 above.

TABLE 3

Nomenclature

AVB - Anti-Vibration Bar

CA - Crack angle, the circumferential extent of a circumferential crack in degrees

CA_{TWSL} - Structural limit crack angle for a 100% through-wall circumferential crack in degrees

C01 - First cold leg tube support plate intersection

C02 - Second cold leg tube support plate intersection

C03 - Third cold leg tube support plate intersection

C04 - Fourth cold leg tube support plate intersection

C05 - Fifth cold leg tube support plate intersection

C06 - Sixth cold leg tube support plate intersection

C07 - Seventh cold tube support plate intersection

CTE - Cold leg tube end. (Primary side cold leg face of tubesheet)

CTS - Cold leg top-of-tubesheet. (Secondary side cold leg face of tubesheet)

C/L - Cold Leg

H01 - First hot leg tube support plate intersection

H02 - Second hot leg tube support plate intersection

H03 - Third hot leg tube support plate intersection

H04 - Fourth hot leg tube support plate intersection

H05 - Fifth hot leg tube support plate intersection

H06 - Sixth hot leg tube support plate intersection

H07 - Seventh hot leg tube support plate intersection

HTE - Hot leg tube end. (Primary side hot leg face of tubesheet)

HTS - Hot leg top-of-tubesheet. (Secondary side cold leg face of tubesheet)

L_{STR} - Structural length for a 100% through-wall axial crack in inches

MHI - Mitsubishi Heavy Industry Array probe

ODSCC - Outside Diameter Stress Corrosion Cracking

PWSCC - Primary Water Stress Corrosion Cracking

RFO - Refuel Outage

RPC - Literally 'Rotating Pancake Coil' eddy current probe. This term is also used to describe eddy current probes in which the coil face contacts the tube wall while rotating and being pulled through the tube axially such that the examination path is helical.

SAI - Single Axial Indication

SCI - Single Circumferential Indication

SG - Steam Generator

SVI - Single Volumetric Indication

SQN - Sequoyah Nuclear Plant

Stab – Tube was stabilized

TBP - "To-Be-Plugged" Analysts determined tube should be plugged (Majority of these were analysis of Axial ODSCC at TSPs bobbin vs. +Pt comparison)

TSP - Tube Support Plate

TTS - Top of Tubesheet

SQN Unit 2 Cycle 16
180- Day Report
Table 4
Indications

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
1	27	31	0.18	15	AV1	-0.03	AVB WEAR	In-Service <40% TW
2	17	28	0.25	11	AV1	0	AVB WEAR	In-Service <40% TW
2	17	64	0.44	20	AV1	0.06	AVB WEAR	In-Service <40% TW
2	19	28	0.51	22	AV1	0	AVB WEAR	In-Service <40% TW
2	24	64	0.39	22	AV1	-0.19	AVB WEAR	In-Service <40% TW
2	27	65	0.19	10	AV1	0	AVB WEAR	In-Service <40% TW
2	32	56	0.53	24	AV1	0.15	AVB WEAR	In-Service <40% TW
3	28	45	0.37	15	AV1	0	AVB WEAR	In-Service <40% TW
3	35	39	0.79	27	AV1	-0.03	AVB WEAR	In-Service <40% TW
4	29	67	0.44	18	AV1	0	AVB WEAR	In-Service <40% TW
4	35	55	0.34	17	AV1	0.4	AVB WEAR	In-Service <40% TW
4	38	65	0.22	11	AV1	-0.03	AVB WEAR	In-Service <40% TW
1	19	38	0.71	27	AV2	0	AVB WEAR	In-Service <40% TW
1	27	29	0.34	22	AV2	0.03	AVB WEAR	In-Service <40% TW
1	27	31	0.44	26	AV2	0.03	AVB WEAR	In-Service <40% TW
1	32	64	0.53	20	AV2	-0.11	AVB WEAR	In-Service <40% TW
1	39	45	0.21	9	AV2	0	AVB WEAR	In-Service <40% TW
2	17	28	0.27	12	AV2	0	AVB WEAR	In-Service <40% TW
2	17	64	0.64	25	AV2	0	AVB WEAR	In-Service <40% TW
2	18	42	0.34	16	AV2	0.24	AVB WEAR	In-Service <40% TW
2	19	74	0.34	16	AV2	-0.09	AVB WEAR	In-Service <40% TW
2	22	41	0.39	17	AV2	0	AVB WEAR	In-Service <40% TW
2	23	69	0.59	24	AV2	0	AVB WEAR	In-Service <40% TW
2	24	61	1.1	39	AV2	0.29	AVB WEAR	In-Service <40% TW
2	24	63	0.8	34	AV2	0	AVB WEAR	In-Service <40% TW
2	24	64	0.7	32	AV2	0	AVB WEAR	In-Service <40% TW
2	27	65	0.73	28	AV2	0	AVB WEAR	In-Service <40% TW
2	29	39	0.54	23	AV2	-0.03	AVB WEAR	In-Service <40% TW
2	32	56	0.66	28	AV2	-0.03	AVB WEAR	In-Service <40% TW
2	32	62	0.53	24	AV2	0.29	AVB WEAR	In-Service <40% TW
2	33	62	0.28	15	AV2	0	AVB WEAR	In-Service <40% TW
3	18	30	0.37	15	AV2	-0.21	AVB WEAR	In-Service <40% TW
3	19	64	0.32	16	AV2	-0.35	AVB WEAR	In-Service <40% TW
3	23	55	0.22	12	AV2	0.24	AVB WEAR	In-Service <40% TW
3	28	45	0.37	15	AV2	0	AVB WEAR	In-Service <40% TW
3	33	61	0.23	9	AV2	0	AVB WEAR	In-Service <40% TW
3	35	39	0.69	24	AV2	0	AVB WEAR	In-Service <40% TW
3	40	56	0.31	14	AV2	0.03	AVB WEAR	In-Service <40% TW
4	29	67	0.42	18	AV2	0	AVB WEAR	In-Service <40% TW
4	32	41	0.28	15	AV2	0.11	AVB WEAR	In-Service <40% TW
4	35	55	0.21	11	AV2	0	AVB WEAR	In-Service <40% TW
4	38	65	0.33	15	AV2	0	AVB WEAR	In-Service <40% TW
1	19	38	0.43	19	AV3	0.47	AVB WEAR	In-Service <40% TW
1	27	29	0.34	22	AV3	0.06	AVB WEAR	In-Service <40% TW
1	27	31	0.46	27	AV3	0	AVB WEAR	In-Service <40% TW
1	32	64	0.68	24	AV3	0	AVB WEAR	In-Service <40% TW

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
1	36	66	0.5	19	AV3	-0.11	AVB WEAR	In-Service <40% TW
2	17	28	0.99	32	AV3	0	AVB WEAR	In-Service <40% TW
2	17	64	0.6	24	AV3	0	AVB WEAR	In-Service <40% TW
2	18	72	0.34	16	AV3	0	AVB WEAR	In-Service <40% TW
2	21	45	0.32	16	AV3	-0.03	AVB WEAR	In-Service <40% TW
2	23	69	0.44	20	AV3	0	AVB WEAR	In-Service <40% TW
2	24	61	0.28	18	AV3	0	AVB WEAR	In-Service <40% TW
2	24	64	0.51	26	AV3	0	AVB WEAR	In-Service <40% TW
2	24	71	0.46	25	AV3	0	AVB WEAR	In-Service <40% TW
2	26	70	0.49	23	AV3	0	AVB WEAR	In-Service <40% TW
2	27	43	0.56	24	AV3	-0.12	AVB WEAR	In-Service <40% TW
2	27	65	1.05	34	AV3	0	AVB WEAR	In-Service <40% TW
2	29	39	0.28	15	AV3	-0.09	AVB WEAR	In-Service <40% TW
2	32	56	0.64	27	AV3	0	AVB WEAR	In-Service <40% TW
2	32	62	0.36	18	AV3	-0.18	AVB WEAR	In-Service <40% TW
2	33	62	0.46	22	AV3	-0.03	AVB WEAR	In-Service <40% TW
2	33	77	0.32	16	AV3	0	AVB WEAR	Plugged
2	38	43	0.28	15	AV3	0	AVB WEAR	In-Service <40% TW
2	38	46	0.34	18	AV3	0	AVB WEAR	In-Service <40% TW
2	39	49	0.37	14	AV3	0	AVB WEAR	In-Service <40% TW
3	19	64	0.3	15	AV3	-0.09	AVB WEAR	In-Service <40% TW
3	23	55	0.36	18	AV3	0.23	AVB WEAR	In-Service <40% TW
3	28	45	0.42	17	AV3	0	AVB WEAR	In-Service <40% TW
3	32	40	0.41	18	AV3	0	AVB WEAR	In-Service <40% TW
3	33	61	0.49	18	AV3	0	AVB WEAR	In-Service <40% TW
3	34	42	0.42	18	AV3	0	AVB WEAR	In-Service <40% TW
3	35	39	0.44	18	AV3	0.24	AVB WEAR	In-Service <40% TW
3	38	40	0.31	15	AV3	0.12	AVB WEAR	In-Service <40% TW
4	29	67	1.2	35	AV3	0	AVB WEAR	In-Service <40% TW
4	32	41	0.3	16	AV3	0.11	AVB WEAR	In-Service <40% TW
4	38	44	0.43	19	AV3	0	AVB WEAR	In-Service <40% TW
4	38	47	0.4	18	AV3	0.14	AVB WEAR	In-Service <40% TW
4	38	49	0.47	21	AV3	0	AVB WEAR	In-Service <40% TW
4	38	52	0.54	23	AV3	0	AVB WEAR	In-Service <40% TW
1	27	31	0.25	17	AV4	0	AVB WEAR	In-Service <40% TW
1	32	64	0.57	21	AV4	0	AVB WEAR	In-Service <40% TW
2	24	61	0.35	21	AV4	-0.21	AVB WEAR	In-Service <40% TW
2	38	46	0.34	18	AV4	0	AVB WEAR	In-Service <40% TW
2	39	49	0.42	16	AV4	0	AVB WEAR	In-Service <40% TW
3	23	55	0.33	17	AV4	0	AVB WEAR	In-Service <40% TW
3	38	40	0.42	19	AV4	0	AVB WEAR	In-Service <40% TW
4	29	67	0.37	16	AV4	0	AVB WEAR	In-Service <40% TW
4	38	47	0.4	18	AV4	0.06	AVB WEAR	In-Service <40% TW
4	38	49	0.28	14	AV4	0	AVB WEAR	In-Service <40% TW
4	38	52	0.35	16	AV4	0	AVB WEAR	In-Service <40% TW
1	1	1	0.36	14	C01	0	C/L THINNING	In-Service <40% TW
1	5	1	1.29	25	C01	0.15	C/L THINNING	In-Service <40% TW

Table 4
Indications

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
1	7	1	1.25	15	C01	0	C/L THINNING	In-Service <40% TW
1	8	2	0.95	9	C01	0.15	C/L THINNING	In-Service <40% TW
1	10	3	1.01	23	C01	0.14	C/L THINNING	In-Service <40% TW
1	11	2	0.66	22	C01	0.08	C/L THINNING	In-Service <40% TW
1	11	4	0.82	12	C01	-0.11	C/L THINNING	In-Service <40% TW
1	12	3	0.67	18	C01	0.14	C/L THINNING	In-Service <40% TW
1	13	3	0.52	27	C01	0.08	C/L THINNING	In-Service <40% TW
1	16	91	0.25	34	C01	-0.06	C/L THINNING	In-Service <40% TW
1	29	84	0.52	13	C01	0.06	C/L THINNING	In-Service <40% TW
1	30	83	1.68	39	C01	0.06	C/L THINNING	In-Service <40% TW
1	31	82	1.05	1	C01	0.06	C/L THINNING	In-Service <40% TW
1	34	19	1.55	33	C01	0.08	C/L THINNING	Plugged
1	38	70	0.96	15	C01	-0.28	C/L THINNING	In-Service <40% TW
1	42	30	0.78	6	C01	0.25	C/L THINNING	In-Service <40% TW
1	42	62	0.97	10	C01	-0.28	C/L THINNING	In-Service <40% TW
1	43	31	1.06	14	C01	0.14	C/L THINNING	In-Service <40% TW
1	43	32	1.12	28	C01	-0.06	C/L THINNING	In-Service <40% TW
1	43	36	0.65	9	C01	0.11	C/L THINNING	In-Service <40% TW
1	43	62	0.93	12	C01	-0.2	C/L THINNING	In-Service <40% TW
1	44	35	0.39	31	C01	-0.14	C/L THINNING	In-Service <40% TW
1	44	58	2.19	23	C01	-0.22	C/L THINNING	In-Service <40% TW
1	44	61	0.7	36	C01	-0.28	C/L THINNING	In-Service <40% TW
1	45	55	0.53	10	C01	-0.28	C/L THINNING	In-Service <40% TW
1	46	53	0.81	22	C01	-0.05	C/L THINNING	In-Service <40% TW
2	5	93	0.61	26	C01	0.03	C/L THINNING	In-Service <40% TW
2	5	94	0.88	13	C01	-0.24	C/L THINNING	In-Service <40% TW
2	6	94	0.66	8	C01	-0.33	C/L THINNING	In-Service <40% TW
2	7	4	0.54	12	C01	-0.18	C/L THINNING	In-Service <40% TW
2	7	92	1.1	19	C01	-0.06	C/L THINNING	In-Service <40% TW
2	7	94	1.74	26	C01	-0.21	C/L THINNING	In-Service <40% TW
2	9	93	0.93	4	C01	-0.18	C/L THINNING	In-Service <40% TW
2	10	4	0.65	13	C01	-0.24	C/L THINNING	In-Service <40% TW
2	10	92	1.32	15	C01	-0.15	C/L THINNING	In-Service <40% TW
2	19	6	1.34	13	C01	-0.03	C/L THINNING	In-Service <40% TW
2	24	8	1.23	29	C01	-0.21	C/L THINNING	In-Service <40% TW
2	24	9	0.72	20	C01	0.09	C/L THINNING	In-Service <40% TW
2	27	85	1.1	25	C01	-0.29	C/L THINNING	In-Service <40% TW
2	28	11	1.66	27	C01	-0.15	C/L THINNING	In-Service <40% TW
2	34	16	0.86	21	C01	-0.12	C/L THINNING	In-Service <40% TW
2	34	19	1	18	C01	0.06	C/L THINNING	In-Service <40% TW
2	36	18	1.64	24	C01	0.12	C/L THINNING	In-Service <40% TW
2	36	20	1.99	33	C01	-0.12	C/L THINNING	In-Service <40% TW
2	36	22	0.47	5	C01	-0.06	C/L THINNING	In-Service <40% TW
2	37	23	1.02	32	C01	-0.24	C/L THINNING	In-Service <40% TW
2	38	21	0.66	16	C01	-0.15	C/L THINNING	In-Service <40% TW
2	38	24	0.94	29	C01	0.15	C/L THINNING	In-Service <40% TW
2	40	24	2.31	37	C01	0	C/L THINNING	In-Service <40% TW

Table 4
Indications

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
2	40	25	0.59	16	C01	0.15	C/L THINNING	In-Service <40% TW
2	40	27	1.04	20	C01	-0.18	C/L THINNING	In-Service <40% TW
2	40	71	0.41	26	C01	-0.18	C/L THINNING	In-Service <40% TW
2	41	27	0.73	13	C01	-0.21	C/L THINNING	In-Service <40% TW
2	41	69	1.03	10	C01	0.26	C/L THINNING	In-Service <40% TW
2	42	28	0.61	24	C01	-0.15	C/L THINNING	In-Service <40% TW
2	42	29	1.72	22	C01	0.09	C/L THINNING	In-Service <40% TW
2	42	36	0.68	34	C01	-0.24	C/L THINNING	In-Service <40% TW
2	42	39	0.55	12	C01	-0.12	C/L THINNING	In-Service <40% TW
2	42	64	2.01	29	C01	0.18	C/L THINNING	In-Service <40% TW
2	42	65	1.41	26	C01	0.23	C/L THINNING	In-Service <40% TW
2	42	66	0.68	19	C01	0.06	C/L THINNING	In-Service <40% TW
2	43	32	1.68	38	C01	0.09	C/L THINNING	In-Service <40% TW
2	43	38	0.58	28	C01	0.12	C/L THINNING	In-Service <40% TW
2	43	63	0.51	32	C01	-0.03	C/L THINNING	In-Service <40% TW
2	43	64	0.71	3	C01	0.15	C/L THINNING	In-Service <40% TW
2	45	40	1.22	26	C01	0	C/L THINNING	In-Service <40% TW
2	45	50	0.72	29	C01	0	C/L THINNING	In-Service <40% TW
2	46	48	0.94	7	C01	0.09	C/L THINNING	In-Service <40% TW
2	46	53	0.42	22	C01	0.26	C/L THINNING	In-Service <40% TW
3	2	1	0.46	9	C01	-0.06	C/L THINNING	In-Service <40% TW
3	5	1	0.86	20	C01	0.03	C/L THINNING	In-Service <40% TW
3	6	2	0.59	21	C01	-0.06	C/L THINNING	In-Service <40% TW
3	7	1	1.58	36	C01	0.03	C/L THINNING	In-Service <40% TW
3	7	2	0.64	28	C01	-0.12	C/L THINNING	In-Service <40% TW
3	10	2	1.44	32	C01	0.12	C/L THINNING	In-Service <40% TW
3	11	90	0.5	37	C01	-0.26	C/L THINNING	In-Service <40% TW
3	11	92	1.1	28	C01	-0.12	C/L THINNING	In-Service <40% TW
3	14	3	0.45	7	C01	-0.09	C/L THINNING	In-Service <40% TW
3	15	90	0.85	1	C01	-0.15	C/L THINNING	In-Service <40% TW
3	17	91	0.56	5	C01	-0.15	C/L THINNING	In-Service <40% TW
3	25	9	0.4	35	C01	0.06	C/L THINNING	In-Service <40% TW
3	27	84	1.28	30	C01	-0.23	C/L THINNING	In-Service <40% TW
3	29	83	1.22	43	C01	-0.06	C/L THINNING	Plugged
3	30	83	1.25	13	C01	-0.21	C/L THINNING	In-Service <40% TW
3	33	78	1.35	25	C01	-0.12	C/L THINNING	In-Service <40% TW
3	34	16	0.65	23	C01	-0.15	C/L THINNING	In-Service <40% TW
3	34	78	0.35	2	C01	0	C/L THINNING	In-Service <40% TW
3	35	78	1.38	4	C01	0.12	C/L THINNING	In-Service <40% TW
3	36	74	0.83	8	C01	-0.21	C/L THINNING	In-Service <40% TW
3	36	74	1.74	31	C01	0.12	C/L THINNING	In-Service <40% TW
3	36	76	0.85	21	C01	-0.18	C/L THINNING	In-Service <40% TW
3	37	21	0.97	33	C01	0.42	C/L THINNING	In-Service <40% TW
3	37	76	1.4	9	C01	0.03	C/L THINNING	In-Service <40% TW
3	38	74	2.06	39	C01	-0.12	C/L THINNING	In-Service <40% TW
3	39	22	0.83	6	C01	0.18	C/L THINNING	In-Service <40% TW
3	39	68	0.93	31	C01	0.03	C/L THINNING	In-Service <40% TW

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
3	39	71	0.29	28	C01	-0.06	C/L THINNING	In-Service <40% TW
3	39	73	1.09	11	C01	-0.15	C/L THINNING	In-Service <40% TW
3	40	67	0.87	22	C01	-0.09	C/L THINNING	In-Service <40% TW
3	42	31	0.55	23	C01	0.09	C/L THINNING	In-Service <40% TW
3	42	60	0.42	13	C01	-0.18	C/L THINNING	In-Service <40% TW
3	43	62	0.96	7	C01	0.03	C/L THINNING	In-Service <40% TW
3	44	33	0.9	17	C01	0.15	C/L THINNING	In-Service <40% TW
3	44	56	1.23	26	C01	0.18	C/L THINNING	In-Service <40% TW
3	44	57	1.36	15	C01	-0.18	C/L THINNING	In-Service <40% TW
3	44	60	0.53	23	C01	-0.21	C/L THINNING	In-Service <40% TW
3	45	52	2.02	41	C01	-0.06	C/L THINNING	Plugged
3	45	53	0.75	7	C01	0.24	C/L THINNING	In-Service <40% TW
3	46	51	0.47	2	C01	-0.03	C/L THINNING	In-Service <40% TW
4	7	94	1.1	26	C01	-0.18	C/L THINNING	In-Service <40% TW
4	11	3	0.81	11	C01	-0.25	C/L THINNING	In-Service <40% TW
4	17	91	0.81	1	C01	-0.11	C/L THINNING	In-Service <40% TW
4	20	87	0.76	12	C01	-0.19	C/L THINNING	In-Service <40% TW
4	31	13	2.39	14	C01	-0.25	C/L THINNING	In-Service <40% TW
4	37	19	0.69	6	C01	-0.09	C/L THINNING	In-Service <40% TW
1	44	37	0.81	2	C02	-0.22	C/L THINNING	In-Service <40% TW
1	44	39	1.82	30	C02	-0.16	C/L THINNING	In-Service <40% TW
1	44	45	1.33	31	C02	0.06	C/L THINNING	In-Service <40% TW
1	46	43	0.57	17	C02	-0.16	C/L THINNING	In-Service <40% TW
1	46	53	1.27	29	C02	0.11	C/L THINNING	In-Service <40% TW
1	46	54	0.36	17	C02	-0.19	C/L THINNING	In-Service <40% TW
2	28	12	1.52	33	C02	-0.24	C/L THINNING	In-Service <40% TW
2	30	82	0.67	14	C02	-0.09	C/L THINNING	In-Service <40% TW
2	31	80	0.35	18	C02	-0.03	C/L THINNING	In-Service <40% TW
2	33	74	0.62	21	C02	-0.18	C/L THINNING	In-Service <40% TW
2	33	78	1.9	37	C02	-0.18	C/L THINNING	In-Service <40% TW
2	34	78	0.96	32	C02	-0.26	C/L THINNING	In-Service <40% TW
2	37	74	0.69	4	C02	-0.15	C/L THINNING	In-Service <40% TW
2	37	76	1.09	9	C02	-0.12	C/L THINNING	In-Service <40% TW
2	38	74	0.7	35	C02	0.15	C/L THINNING	In-Service <40% TW
2	39	70	0.94	32	C02	-0.09	C/L THINNING	In-Service <40% TW
2	39	73	0.75	23	C02	0	C/L THINNING	In-Service <40% TW
2	40	24	1.18	21	C02	-0.18	C/L THINNING	In-Service <40% TW
2	40	67	1.19	13	C02	0.17	C/L THINNING	In-Service <40% TW
2	40	68	0.79	23	C02	-0.09	C/L THINNING	In-Service <40% TW
2	41	26	0.91	6	C02	-0.24	C/L THINNING	In-Service <40% TW
2	44	39	1.18	23	C02	-0.18	C/L THINNING	In-Service <40% TW
2	45	37	0.93	19	C02	0.29	C/L THINNING	In-Service <40% TW
2	45	59	2.28	40	C02	-0.21	C/L THINNING	Plugged
3	30	83	0.42	26	C02	0.18	C/L THINNING	In-Service <40% TW
3	31	16	0.69	4	C02	0.12	C/L THINNING	In-Service <40% TW
3	34	16	0.5	18	C02	-0.21	C/L THINNING	In-Service <40% TW
3	35	17	0.93	26	C02	-0.18	C/L THINNING	In-Service <40% TW

Table 4
Indications

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
3	36	19	0.38	23	C02	0.09	C/L THINNING	In-Service <40% TW
3	40	26	1.01	30	C02	-0.24	C/L THINNING	In-Service <40% TW
3	45	42	0.52	14	C02	-0.57	C/L THINNING	In-Service <40% TW
3	46	47	0.59	24	C02	-0.12	C/L THINNING	In-Service <40% TW
4	34	17	0.32	12	C02	-0.3	C/L THINNING	In-Service <40% TW
4	39	22	1.67	26	C02	-0.18	C/L THINNING	In-Service <40% TW
4	40	63	0.8	29	C02	-0.09	C/L THINNING	In-Service <40% TW
4	40	71	1.95	35	C02	-0.17	C/L THINNING	In-Service <40% TW
4	41	30	0.79	12	C02	-0.28	C/L THINNING	In-Service <40% TW
4	41	31	0.44	19	C02	-0.24	C/L THINNING	In-Service <40% TW
4	41	34	0.94	8	C02	-0.22	C/L THINNING	In-Service <40% TW
4	41	58	1.5	31	C02	-0.18	C/L THINNING	In-Service <40% TW
4	41	62	2.71	26	C02	-0.21	C/L THINNING	In-Service <40% TW
4	42	29	0.36	25	C02	-0.3	C/L THINNING	In-Service <40% TW
4	42	33	0.4	14	C02	-0.24	C/L THINNING	In-Service <40% TW
4	42	44	0.84	35	C02	-0.17	C/L THINNING	In-Service <40% TW
4	43	35	0.78	10	C02	0.09	C/L THINNING	In-Service <40% TW
4	43	54	1.8	32	C02	-0.17	C/L THINNING	In-Service <40% TW
4	44	34	2.43	34	C02	-0.21	C/L THINNING	In-Service <40% TW
4	44	38	0.91	26	C02	-0.19	C/L THINNING	In-Service <40% TW
4	44	39	0.74	3	C02	-0.18	C/L THINNING	In-Service <40% TW
4	45	36	0.69	14	C02	-0.24	C/L THINNING	In-Service <40% TW
4	45	42	1.68	37	C02	-0.17	C/L THINNING	In-Service <40% TW
4	45	44	0.9	23	C02	-0.21	C/L THINNING	In-Service <40% TW
4	45	45	1.75	43	C02	-0.28	C/L THINNING	Plugged
4	45	50	1.2	43	C02	-0.15	C/L THINNING	Plugged
4	45	54	0.52	12	C02	0	C/L THINNING	In-Service <40% TW
4	45	57	2.36	37	C02	-0.19	C/L THINNING	In-Service <40% TW
4	46	53	1.32	36	C02	0.25	C/L THINNING	In-Service <40% TW
1	34	79	0.96	22	C03	-0.14	C/L THINNING	In-Service <40% TW
2	31	15	0.63	18	C03	0.03	C/L THINNING	In-Service <40% TW
2	39	70	0.66	31	C03	-0.21	C/L THINNING	In-Service <40% TW
2	40	71	0.65	32	C03	-0.18	C/L THINNING	In-Service <40% TW
3	45	40	0.76	29	C03	-0.24	C/L THINNING	In-Service <40% TW
4	3	4	0.26	21	CTS	0.27	LOOSE PART WEAR	In-Service <40% TW
4	34	21	0.37	25	CTS	0.17	LOOSE PART WEAR	In-Service <40% TW
1	6	89	0.14	SAI	C01	30.8	ODSCC FREESPAN AXIAL	Plugged
1	6	89	0.05	SAI	C01	49.3	ODSCC FREESPAN AXIAL	Plugged
1	6	89	0.08	SAI	C01	29.34	ODSCC FREESPAN AXIAL	Plugged
1	6	89	0.03	SAI	C01	46.22	ODSCC FREESPAN AXIAL	Plugged
1	6	89	0.04	SAI	C01	37.58	ODSCC FREESPAN AXIAL	Plugged
1	6	89	0.02	SAI	C01	44.25	ODSCC FREESPAN AXIAL	Plugged
1	6	89	0.11	SAI	C02	7.43	ODSCC FREESPAN AXIAL	Plugged
1	6	89	0.04	SAI	C02	8.78	ODSCC FREESPAN AXIAL	Plugged
1	6	89	0.21	SAI	C02	2.59	ODSCC FREESPAN AXIAL	Plugged
1	6	89	0.25	SAI	C03	1.18	ODSCC FREESPAN AXIAL	Plugged
4	7	60	0.31	SAI	H05	37.22	ODSCC FREESPAN AXIAL	Plugged

Table 4
Indications

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
1	13	41	0.09	SAI	HTS	2.05	ODSCC FREESPAN AXIAL	Plugged
3	12	25	0.15	SAI	HTS	-0.04	ODSCC HTS AXIAL	Plugged
4	17	55	0.12	SAI	HTS	0.07	ODSCC HTS AXIAL	Plugged
4	20	47	0.14	SAI	HTS	-0.01	ODSCC HTS AXIAL	Plugged
2	19	61	0.12	SCI	HTS	-0.11	ODSCC HTS CIRC	Plugged
3	38	25	0.25	SCI	HTS	0.04	ODSCC HTS CIRC	Plugged
4	6	66	0.13	SCI	HTS	0.05	ODSCC HTS CIRC	Plugged
4	9	70	0.18	SCI	HTS	0.03	ODSCC HTS CIRC	Plugged
4	10	70	0.15	SCI	HTS	0.04	ODSCC HTS CIRC	Plugged
2	8	69	0.06	SAI	HTS	1.38	ODSCC SLUDGE PILE	Plugged
2	6	43	0.48	DSI	C01	0.12	ODSCC TSP AXIAL	In-Service via APC
2	29	11	0.57	DSI	C01	-0.12	ODSCC TSP AXIAL	In-Service via APC
2	32	19	0.32	DSI	C01	-0.21	ODSCC TSP AXIAL	In-Service via APC
2	33	17	0.18	DSI	C01	0.06	ODSCC TSP AXIAL	In-Service via APC
2	41	26	0.19	DSI	C01	0	ODSCC TSP AXIAL	In-Service via APC
2	43	65	0.7	DSI	C01	-0.18	ODSCC TSP AXIAL	In-Service via APC
2	44	40	0.42	DSI	C01	0.32	ODSCC TSP AXIAL	In-Service via APC
2	45	43	0.61	DSI	C01	-0.23	ODSCC TSP AXIAL	In-Service via APC
2	45	55	0.34	DSI	C01	-0.23	ODSCC TSP AXIAL	In-Service via APC
2	45	56	0.46	DSI	C01	-0.23	ODSCC TSP AXIAL	In-Service via APC
3	1	82	0.36	DSI	C01	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	2	58	0.5	DSI	C01	0.18	ODSCC TSP AXIAL	In-Service via APC
3	5	85	0.57	DSI	C01	0.09	ODSCC TSP AXIAL	In-Service via APC
3	17	49	0.51	DSI	C01	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	28	85	0.42	DSI	C01	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	30	14	0.43	DSI	C01	-0.34	ODSCC TSP AXIAL	In-Service via APC
4	34	17	0.36	DSI	C01	-0.28	ODSCC TSP AXIAL	In-Service via APC
4	40	69	0.46	DSI	C01	-0.3	ODSCC TSP AXIAL	In-Service via APC
4	41	67	0.79	DSI	C01	-0.27	ODSCC TSP AXIAL	In-Service via APC
4	45	48	0.43	DSI	C01	-0.33	ODSCC TSP AXIAL	In-Service via APC
4	45	49	0.42	DSI	C01	-0.3	ODSCC TSP AXIAL	In-Service via APC
4	45	55	0.4	DSI	C01	-0.31	ODSCC TSP AXIAL	In-Service via APC
1	6	33	0.25	DSI	C02	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	37	63	0.43	DSI	C02	0.11	ODSCC TSP AXIAL	In-Service via APC
2	6	55	0.31	DSI	C02	-0.06	ODSCC TSP AXIAL	In-Service via APC
2	12	60	0.25	DSI	C02	0	ODSCC TSP AXIAL	In-Service via APC
2	20	27	0.27	DSI	C02	0.09	ODSCC TSP AXIAL	In-Service via APC
2	30	46	0.3	DSI	C02	0.06	ODSCC TSP AXIAL	In-Service via APC
2	40	42	0.77	DSI	C02	0.26	ODSCC TSP AXIAL	In-Service via APC
2	40	55	0.12	DSI	C02	0.06	ODSCC TSP AXIAL	In-Service via APC
2	44	61	0.51	DSI	C02	0.26	ODSCC TSP AXIAL	In-Service via APC
3	7	85	0.44	DSI	C02	0.09	ODSCC TSP AXIAL	In-Service via APC
3	13	7	0.34	DSI	C02	-0.06	ODSCC TSP AXIAL	In-Service via APC
3	36	21	0.41	DSI	C02	-0.27	ODSCC TSP AXIAL	In-Service via APC
4	24	26	0.33	DSI	C02	0.06	ODSCC TSP AXIAL	In-Service via APC
4	41	65	0.53	DSI	C02	-0.24	ODSCC TSP AXIAL	In-Service via APC
4	43	53	0.42	DSI	C02	-0.27	ODSCC TSP AXIAL	In-Service via APC

Table 4
Indications

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
4	44	62	0.8	DSI	C02	-0.25	ODSCC TSP AXIAL	In-Service via APC
1	12	4	0.46	DSI	C03	0.11	ODSCC TSP AXIAL	In-Service via APC
1	26	63	0.27	DSI	C03	0.03	ODSCC TSP AXIAL	In-Service via APC
1	37	48	0.2	DSI	C03	0.12	ODSCC TSP AXIAL	In-Service via APC
2	8	47	0.62	DSI	C03	0.21	ODSCC TSP AXIAL	In-Service via APC
2	12	51	0.23	DSI	C03	0	ODSCC TSP AXIAL	In-Service via APC
2	23	11	0.68	DSI	C03	0.27	ODSCC TSP AXIAL	In-Service via APC
3	4	85	0.56	DSI	C03	0.15	ODSCC TSP AXIAL	In-Service via APC
3	10	42	0.45	DSI	C03	0.15	ODSCC TSP AXIAL	In-Service via APC
3	29	79	0.49	DSI	C03	0.12	ODSCC TSP AXIAL	In-Service via APC
3	45	53	0.31	DSI	C03	0	ODSCC TSP AXIAL	In-Service via APC
4	2	32	0.54	DSI	C03	0.12	ODSCC TSP AXIAL	In-Service via APC
4	3	35	0.26	DSI	C03	0	ODSCC TSP AXIAL	In-Service via APC
4	35	65	0.26	DSI	C03	0	ODSCC TSP AXIAL	In-Service via APC
4	40	59	0.31	DSI	C03	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	6	73	0.4	DSI	C04	0.03	ODSCC TSP AXIAL	In-Service via APC
1	9	23	0.24	DSI	C04	0	ODSCC TSP AXIAL	In-Service via APC
1	15	82	0.29	DSI	C04	0.03	ODSCC TSP AXIAL	In-Service via APC
1	39	55	0.25	DSI	C04	0.06	ODSCC TSP AXIAL	In-Service via APC
2	5	28	0.26	DSI	C04	0.03	ODSCC TSP AXIAL	In-Service via APC
2	5	94	0.49	DSI	C04	0	ODSCC TSP AXIAL	In-Service via APC
2	17	77	1.3	DSI	C04	0.21	ODSCC TSP AXIAL	In-Service via APC
2	21	27	0.17	DSI	C04	0	ODSCC TSP AXIAL	In-Service via APC
2	24	12	0.28	DSI	C04	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	26	11	0.32	DSI	C04	0	ODSCC TSP AXIAL	In-Service via APC
2	41	29	0.26	DSI	C04	-0.06	ODSCC TSP AXIAL	In-Service via APC
3	45	39	0.86	DSI	C04	-0.12	ODSCC TSP AXIAL	In-Service via APC
4	2	9	0.36	DSI	C04	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	9	77	0.38	DSI	C04	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	21	13	0.22	DSI	C04	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	22	17	0.39	DSI	C04	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	30	74	0.37	DSI	C04	0.06	ODSCC TSP AXIAL	In-Service via APC
2	4	45	0.45	DSI	C05	0.18	ODSCC TSP AXIAL	In-Service via APC
2	10	18	1.08	DSI	C05	0.21	ODSCC TSP AXIAL	In-Service via APC
2	11	71	0.57	DSI	C05	0.26	ODSCC TSP AXIAL	In-Service via APC
2	13	9	0.27	DSI	C05	0.09	ODSCC TSP AXIAL	In-Service via APC
3	32	75	0.19	DSI	C05	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	15	22	0.33	DSI	C05	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	18	13	0.53	DSI	C05	0.06	ODSCC TSP AXIAL	In-Service via APC
4	20	7	0.23	DSI	C05	0	ODSCC TSP AXIAL	In-Service via APC
4	21	19	0.54	DSI	C05	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	22	17	0.56	DSI	C05	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	23	14	0.74	DSI	C05	0.03	ODSCC TSP AXIAL	In-Service via APC
4	24	15	0.57	DSI	C05	0.06	ODSCC TSP AXIAL	In-Service via APC
4	25	46	0.43	DSI	C05	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	27	13	0.48	DSI	C05	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	27	74	0.26	DSI	C05	0.08	ODSCC TSP AXIAL	In-Service via APC

Table 4
Indications

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
4	29	76	0.38	DSI	C05	0	ODSCC TSP AXIAL	In-Service via APC
4	30	76	0.27	DSI	C05	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	37	67	0.23	DSI	C05	0.06	ODSCC TSP AXIAL	In-Service via APC
4	39	38	0.4	DSI	C05	0.09	ODSCC TSP AXIAL	In-Service via APC
4	43	44	0.42	DSI	C05	0.15	ODSCC TSP AXIAL	In-Service via APC
3	7	78	0.42	DSI	C06	0	ODSCC TSP AXIAL	In-Service via APC
4	29	48	0.33	DSI	C06	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	30	76	0.37	DSI	C06	0	ODSCC TSP AXIAL	In-Service via APC
4	35	69	0.32	DSI	C06	-0.09	ODSCC TSP AXIAL	In-Service via APC
4	37	46	0.33	DSI	C06	0	ODSCC TSP AXIAL	In-Service via APC
4	41	60	0.22	DSI	C06	0.03	ODSCC TSP AXIAL	In-Service via APC
2	12	3	0.15	SAI	C07	0.34	ODSCC TSP AXIAL	Plugged
4	28	15	0.44	DSI	C07	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	28	20	0.46	DSI	C07	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	2	10	0.92	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
1	2	11	0.53	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
1	2	13	0.59	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
1	2	18	0.47	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
1	2	35	0.86	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
1	3	6	1.12	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
1	3	15	0.49	SAI	H01	0.22	ODSCC TSP AXIAL	Plugged
1	3	15	1.66	DSI	H01	0.06	ODSCC TSP AXIAL	Plugged
1	3	17	1.19	DSI	H01	0.15	ODSCC TSP AXIAL	In-Service via APC
1	3	26	0.78	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
1	3	27	0.69	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
1	3	34	0.82	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
1	3	42	0.43	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
1	3	46	1.33	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
1	3	47	0.58	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
1	3	52	0.79	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
1	3	94	0.4	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	4	7	0.6	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
1	4	8	0.41	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	4	11	1.09	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
1	4	15	0.8	DSI	H01	-0.12	ODSCC TSP AXIAL	In-Service via APC
1	4	32	0.44	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
1	4	39	0.83	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	4	40	0.47	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
1	4	48	0.68	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
1	5	7	0.37	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
1	5	11	0.43	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
1	5	26	0.57	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
1	5	31	0.72	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
1	5	32	2.81	DSI	H01	-0.09	ODSCC TSP AXIAL	Plugged
1	5	33	0.62	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
1	5	34	0.79	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
1	5	35	0.6	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC

Table 4
Indications

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
1	5	46	0.89	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	5	51	0.29	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
1	6	2	0.65	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
1	6	3	0.65	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
1	6	4	0.98	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
1	6	9	0.81	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	6	14	0.8	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	6	15	0.74	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
1	6	19	0.95	DSI	H01	-0.15	ODSCC TSP AXIAL	In-Service via APC
1	6	21	1.26	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
1	6	24	0.28	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
1	6	25	1.14	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	6	26	0.77	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
1	6	29	0.6	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
1	6	34	0.65	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	6	35	0.45	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
1	6	38	0.29	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
1	6	43	0.46	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
1	6	45	0.43	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
1	6	46	0.7	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
1	7	20	0.54	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
1	7	30	0.79	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
1	7	49	0.51	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
1	8	3	0.87	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
1	8	6	1.04	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
1	8	12	0.87	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
1	8	21	0.47	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
1	8	33	0.31	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
1	8	50	0.72	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	8	51	0.8	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
1	9	14	0.84	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
1	9	19	0.7	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	9	30	0.81	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
1	9	32	0.29	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	9	39	0.92	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
1	9	42	0.29	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
1	9	92	1.55	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
1	10	34	0.87	DSI	H01	0.08	ODSCC TSP AXIAL	In-Service via APC
1	10	37	0.75	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
1	10	70	0.89	DSI	H01	0.08	ODSCC TSP AXIAL	In-Service via APC
1	10	75	0.82	DSI	H01	0.14	ODSCC TSP AXIAL	In-Service via APC
1	10	77	1.84	DSI	H01	0.19	ODSCC TSP AXIAL	In-Service via APC
1	11	5	0.32	DSI	H01	0.11	ODSCC TSP AXIAL	In-Service via APC
1	12	3	0.54	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
1	12	10	0.39	DSI	H01	0.08	ODSCC TSP AXIAL	In-Service via APC
1	12	24	0.66	DSI	H01	0.08	ODSCC TSP AXIAL	In-Service via APC
1	13	6	0.48	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC

Table 4
Indications

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
1	13	9	0.95	DSI	H01	0.11	ODSCC TSP AXIAL	In-Service via APC
1	13	10	0.59	DSI	H01	0.11	ODSCC TSP AXIAL	In-Service via APC
1	13	16	0.53	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
1	14	4	0.46	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
1	14	5	0.96	DSI	H01	0.14	ODSCC TSP AXIAL	In-Service via APC
1	14	10	0.33	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
1	14	42	0.43	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
1	15	18	0.2	SAI	H01	0.04	ODSCC TSP AXIAL	Plugged
1	15	18	0.99	DSI	H01	-0.2	ODSCC TSP AXIAL	Plugged
1	15	31	1.4	DSI	H01	0.08	ODSCC TSP AXIAL	In-Service via APC
1	16	24	0.55	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
1	16	30	0.09	SAI	H01	0.07	ODSCC TSP AXIAL	Plugged
1	16	30	0.52	DSI	H01	0.03	ODSCC TSP AXIAL	Plugged
1	17	4	0.9	DSI	H01	0.11	ODSCC TSP AXIAL	In-Service via APC
1	17	16	0.47	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
1	17	20	0.75	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
1	17	24	0.64	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
1	18	6	0.84	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
1	18	17	0.72	DSI	H01	0.08	ODSCC TSP AXIAL	In-Service via APC
1	18	21	0.54	DSI	H01	0.08	ODSCC TSP AXIAL	In-Service via APC
1	18	24	0.98	DSI	H01	-0.14	ODSCC TSP AXIAL	In-Service via APC
1	18	57	0.35	DSI	H01	-0.18	ODSCC TSP AXIAL	In-Service via APC
1	18	58	0.9	DSI	H01	0.25	ODSCC TSP AXIAL	In-Service via APC
1	19	10	0.44	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
1	19	13	0.54	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
1	19	29	0.84	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
1	19	45	0.66	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
1	19	51	0.81	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
1	19	66	0.89	DSI	H01	0.08	ODSCC TSP AXIAL	In-Service via APC
1	19	67	0.44	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
1	20	10	0.26	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
1	20	12	0.56	DSI	H01	0.14	ODSCC TSP AXIAL	In-Service via APC
1	20	32	0.3	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
1	20	51	0.62	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
1	20	58	0.46	DSI	H01	0.08	ODSCC TSP AXIAL	In-Service via APC
1	20	67	0.39	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
1	21	7	1.17	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
1	21	8	1	DSI	H01	0.08	ODSCC TSP AXIAL	In-Service via APC
1	21	10	0.5	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
1	21	14	0.52	DSI	H01	0.08	ODSCC TSP AXIAL	In-Service via APC
1	21	73	0.36	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
1	22	9	1.14	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
1	22	12	0.28	DSI	H01	0.08	ODSCC TSP AXIAL	In-Service via APC
1	22	14	0.54	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
1	22	17	1.12	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
1	22	19	0.83	DSI	H01	0.08	ODSCC TSP AXIAL	In-Service via APC
1	22	21	0.41	DSI	H01	0.08	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
1	22	25	1.38	DSI	H01	0.11	ODSCC TSP AXIAL	In-Service via APC
1	22	28	0.58	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
1	22	31	0.46	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
1	22	48	1.45	DSI	H01	0.14	ODSCC TSP AXIAL	In-Service via APC
1	22	67	0.79	DSI	H01	0.25	ODSCC TSP AXIAL	In-Service via APC
1	23	7	1.84	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
1	23	9	0.3	DSI	H01	0.08	ODSCC TSP AXIAL	In-Service via APC
1	23	10	0.61	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
1	23	12	0.3	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
1	23	15	0.58	DSI	H01	0.08	ODSCC TSP AXIAL	In-Service via APC
1	23	23	1.11	DSI	H01	-0.11	ODSCC TSP AXIAL	In-Service via APC
1	23	31	0.63	DSI	H01	0.08	ODSCC TSP AXIAL	In-Service via APC
1	24	9	1.49	DSI	H01	0.17	ODSCC TSP AXIAL	In-Service via APC
1	24	12	0.99	DSI	H01	0.08	ODSCC TSP AXIAL	In-Service via APC
1	24	15	0.44	DSI	H01	0.11	ODSCC TSP AXIAL	In-Service via APC
1	24	21	1.94	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
1	24	22	0.62	DSI	H01	0.11	ODSCC TSP AXIAL	In-Service via APC
1	24	25	1.22	DSI	H01	0.17	ODSCC TSP AXIAL	In-Service via APC
1	24	29	0.86	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
1	24	34	0.87	DSI	H01	0.08	ODSCC TSP AXIAL	In-Service via APC
1	24	37	1.32	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
1	24	46	0.58	DSI	H01	0.08	ODSCC TSP AXIAL	In-Service via APC
1	24	60	0.86	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
1	25	8	0.75	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
1	25	14	0.3	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
1	25	22	0.51	DSI	H01	0.14	ODSCC TSP AXIAL	In-Service via APC
1	25	25	0.62	DSI	H01	0.08	ODSCC TSP AXIAL	In-Service via APC
1	25	32	0.4	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
1	25	37	0.54	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
1	25	45	0.85	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
1	26	11	0.68	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
1	26	17	0.82	DSI	H01	0.11	ODSCC TSP AXIAL	In-Service via APC
1	26	22	0.43	DSI	H01	0.08	ODSCC TSP AXIAL	In-Service via APC
1	26	54	0.75	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
1	26	64	1.09	DSI	H01	0.11	ODSCC TSP AXIAL	In-Service via APC
1	27	18	0.17	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
1	27	21	0.58	DSI	H01	0.11	ODSCC TSP AXIAL	In-Service via APC
1	27	48	0.58	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
1	27	52	1.05	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	27	58	0.37	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
1	27	60	1.03	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
1	28	10	0.66	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
1	28	11	1.38	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
1	28	12	0.73	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
1	28	16	0.68	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
1	28	21	1.2	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
1	28	79	0.54	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC

Table 4
Indications

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
1	30	50	0.66	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	30	82	0.98	DSI	H01	0.08	ODSCC TSP AXIAL	In-Service via APC
1	31	82	0.32	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	32	42	0.72	DSI	H01	0.08	ODSCC TSP AXIAL	In-Service via APC
1	32	49	0.57	DSI	H01	-0.05	ODSCC TSP AXIAL	In-Service via APC
1	32	53	0.82	DSI	H01	0.11	ODSCC TSP AXIAL	In-Service via APC
1	32	79	0.48	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	33	30	0.67	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
1	33	43	0.56	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
1	33	76	0.21	DSI	H01	0.08	ODSCC TSP AXIAL	In-Service via APC
1	34	23	0.4	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
1	34	28	0.15	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
1	34	30	0.27	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
1	35	19	0.28	SAI	H01	0.08	ODSCC TSP AXIAL	Plugged
1	35	19	1.13	DSI	H01	0.06	ODSCC TSP AXIAL	Plugged
1	35	21	0.67	DSI	H01	0.11	ODSCC TSP AXIAL	In-Service via APC
1	35	22	1.36	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
1	35	23	1.39	DSI	H01	0.11	ODSCC TSP AXIAL	In-Service via APC
1	35	26	0.7	DSI	H01	0.08	ODSCC TSP AXIAL	In-Service via APC
1	35	30	1.2	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
1	35	32	0.7	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
1	35	78	0.63	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
1	36	36	1.03	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
1	36	47	0.44	DSI	H01	-0.09	ODSCC TSP AXIAL	In-Service via APC
1	37	40	0.77	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
1	38	40	0.71	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
1	39	40	0.2	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
1	39	46	1.15	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	40	25	0.89	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
1	40	26	0.75	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
1	42	40	0.17	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
1	42	62	0.63	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
1	43	38	0.8	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
1	43	59	1.63	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
1	44	33	0.32	DSI	H01	-0.05	ODSCC TSP AXIAL	In-Service via APC
1	44	57	1.06	DSI	H01	0.08	ODSCC TSP AXIAL	In-Service via APC
2	1	26	0.75	DSI	H01	-0.12	ODSCC TSP AXIAL	In-Service via APC
2	1	76	0.93	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	2	42	0.31	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
2	2	48	0.51	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	2	49	0.2	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
2	2	55	0.37	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
2	2	56	0.66	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
2	2	58	0.94	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
2	2	61	0.84	DSI	H01	0.27	ODSCC TSP AXIAL	In-Service via APC
2	2	73	0.75	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	2	77	0.35	DSI	H01	-0.09	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
2	2	83	0.7	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
2	2	84	0.62	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
2	2	85	0.95	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
2	2	87	1.14	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
2	2	88	0.94	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	2	90	0.29	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
2	2	94	0.78	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
2	3	31	0.33	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
2	3	49	0.47	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	3	72	1.15	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
2	3	86	0.52	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
2	3	92	0.74	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
2	4	36	1.25	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
2	4	50	0.68	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
2	4	57	0.62	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
2	4	59	1.43	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
2	4	64	0.87	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
2	4	66	0.61	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
2	4	88	0.48	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
2	4	90	0.28	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
2	4	91	1.08	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
2	4	92	0.65	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
2	4	94	0.43	DSI	H01	-0.09	ODSCC TSP AXIAL	In-Service via APC
2	5	27	0.42	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
2	5	60	0.51	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	5	65	0.49	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
2	5	81	0.51	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
2	5	88	0.94	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
2	5	91	1.02	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
2	5	92	1.12	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
2	5	93	1.25	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
2	5	94	0.9	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	6	4	0.31	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
2	6	40	0.56	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
2	6	41	0.58	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
2	6	48	0.76	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
2	6	94	0.69	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
2	7	4	0.6	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
2	7	8	0.63	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
2	7	13	0.25	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	7	17	0.55	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
2	7	21	0.67	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
2	7	27	0.64	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
2	7	44	1.08	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
2	7	47	0.56	DSI	H01	0.15	ODSCC TSP AXIAL	In-Service via APC
2	7	48	1.18	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
2	7	58	1	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC

SQN Unit 2 Cycle 16
180- Day Report
Table 4
Indications

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
2	7	68	0.9	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
2	7	72	0.43	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
2	7	91	0.43	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
2	8	44	1.15	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
2	8	51	1.02	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	8	60	0.56	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	8	69	0.56	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
2	8	71	0.67	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
2	8	80	0.86	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
2	8	87	0.6	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
2	8	88	1.04	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
2	8	90	0.79	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
2	8	91	0.95	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
2	8	93	0.26	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
2	9	32	0.14	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
2	9	33	1.48	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
2	9	53	0.76	DSI	H01	0.21	ODSCC TSP AXIAL	In-Service via APC
2	9	57	0.63	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
2	9	62	0.42	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
2	9	72	0.3	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
2	9	91	1.65	DSI	H01	0.21	ODSCC TSP AXIAL	In-Service via APC
2	10	46	0.63	DSI	H01	0.18	ODSCC TSP AXIAL	In-Service via APC
2	11	21	1.02	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
2	11	25	0.55	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
2	11	57	0.55	DSI	H01	0.15	ODSCC TSP AXIAL	In-Service via APC
2	11	61	0.93	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
2	12	44	0.35	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
2	12	55	0.49	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
2	12	59	0.19	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
2	13	89	0.58	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
2	13	90	0.99	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
2	14	51	0.56	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
2	14	84	0.75	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
2	14	86	2.71	DSI	H01	0.09	ODSCC TSP AXIAL	Plugged
2	14	90	0.66	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
2	15	5	1.12	DSI	H01	-0.09	ODSCC TSP AXIAL	In-Service via APC
2	15	36	0.91	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
2	15	48	0.64	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
2	15	49	0.73	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	15	87	1.25	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
2	15	89	1.81	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
2	16	59	0.33	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
2	16	60	0.49	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
2	16	89	0.32	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
2	16	90	0.99	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
2	17	41	0.5	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
2	17	49	0.57	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
2	17	88	1	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
2	18	11	1.55	DSI	H01	0.03	ODSCC TSP AXIAL	Plugged
2	18	22	0.66	DSI	H01	-0.09	ODSCC TSP AXIAL	In-Service via APC
2	18	52	1.08	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	18	65	0.5	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
2	19	22	0.46	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
2	19	61	0.42	DSI	H01	0.06	ODSCC TSP AXIAL	Plugged
2	19	69	0.66	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
2	19	78	0.46	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
2	19	88	0.95	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
2	20	43	0.31	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
2	20	49	0.42	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
2	20	52	2.03	DSI	H01	0	ODSCC TSP AXIAL	Plugged
2	20	57	0.49	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
2	20	58	0.51	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
2	20	62	0.59	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
2	20	65	0.5	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	21	20	0.23	DSI	H01	-0.21	ODSCC TSP AXIAL	In-Service via APC
2	21	57	0.69	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
2	21	61	0.83	DSI	H01	0.18	ODSCC TSP AXIAL	In-Service via APC
2	21	64	0.48	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
2	21	69	0.51	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
2	21	87	1.04	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
2	22	34	0.3	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
2	22	58	1.19	DSI	H01	0.2	ODSCC TSP AXIAL	In-Service via APC
2	22	69	0.43	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
2	23	25	0.45	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
2	23	44	1.33	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
2	23	49	1.48	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
2	23	55	0.5	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
2	23	85	0.51	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
2	24	8	0.51	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
2	24	50	0.71	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
2	24	87	1.53	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
2	26	18	0.89	DSI	H01	0.18	ODSCC TSP AXIAL	In-Service via APC
2	26	45	1.62	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
2	26	59	0.97	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
2	27	68	2.12	DSI	H01	0.24	ODSCC TSP AXIAL	Plugged
2	27	84	1.16	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
2	28	12	0.54	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
2	28	14	0.67	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
2	28	79	0.71	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
2	29	12	0.62	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
2	29	16	0.84	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
2	29	67	0.63	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
2	29	79	0.3	DSI	H01	0.15	ODSCC TSP AXIAL	In-Service via APC
2	30	20	0.29	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
2	30	54	1.61	DSI	H01	0.23	ODSCC TSP AXIAL	In-Service via APC
2	30	55	1.6	DSI	H01	0.18	ODSCC TSP AXIAL	In-Service via APC
2	30	62	0.43	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
2	30	70	0.4	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
2	30	81	1.27	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
2	30	83	0.81	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
2	31	48	0.73	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	31	70	1.34	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
2	31	74	0.26	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
2	32	20	1.26	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
2	32	26	0.47	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
2	32	32	0.72	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
2	32	63	0.61	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
2	34	72	0.29	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
2	34	73	0.35	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
2	35	22	0.69	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
2	35	45	0.36	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
2	35	53	0.46	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
2	35	58	0.71	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
2	35	75	0.16	DSI	H01	0.15	ODSCC TSP AXIAL	In-Service via APC
2	36	42	0.34	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
2	36	64	1.2	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
2	36	71	0.93	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
2	37	20	1.19	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
2	37	66	0.32	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
2	38	26	0.57	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
2	38	66	0.5	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
2	39	25	0.48	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
2	40	64	0.53	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
2	41	30	0.41	SAI	H01	0.31	ODSCC TSP AXIAL	Plugged
2	41	37	0.72	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
2	41	41	0.53	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
2	41	50	1.39	DSI	H01	0.15	ODSCC TSP AXIAL	In-Service via APC
2	41	54	0.37	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
2	41	67	0.49	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
2	41	69	0.47	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
2	42	61	1.34	DSI	H01	0.15	ODSCC TSP AXIAL	In-Service via APC
2	43	50	0.92	DSI	H01	0.18	ODSCC TSP AXIAL	In-Service via APC
2	43	52	0.67	DSI	H01	0.15	ODSCC TSP AXIAL	In-Service via APC
2	43	58	0.54	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
2	45	52	0.42	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	2	2	0.26	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	2	16	0.49	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	2	30	1.16	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	2	31	0.4	DSI	H01	0.18	ODSCC TSP AXIAL	In-Service via APC
3	2	32	0.5	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
3	2	33	0.36	DSI	H01	0.18	ODSCC TSP AXIAL	In-Service via APC

Table 4
Indications

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
3	2	35	1.12	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	2	58	0.5	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	2	79	0.6	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	3	1	0.89	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	3	2	0.84	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	3	5	1.4	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	3	10	1.34	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	3	19	0.49	DSI	H01	0.27	ODSCC TSP AXIAL	In-Service via APC
3	3	23	0.73	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
3	3	24	0.29	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
3	3	29	1.38	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	3	34	0.86	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	3	49	0.46	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
3	3	53	0.62	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
3	3	54	0.49	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	3	82	0.5	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	4	13	0.53	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	4	26	0.58	DSI	H01	-0.18	ODSCC TSP AXIAL	In-Service via APC
3	4	27	0.4	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	4	34	1.15	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
3	4	39	1.03	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
3	4	46	1.17	DSI	H01	0.15	ODSCC TSP AXIAL	In-Service via APC
3	4	48	0.42	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	4	50	0.99	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	4	51	0.92	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
3	4	54	0.62	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
3	4	55	0.25	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	5	1	1.36	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	5	4	1.14	DSI	H01	0.15	ODSCC TSP AXIAL	Plugged
3	5	10	1.12	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	5	12	0.73	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	5	18	0.32	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	5	22	1	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
3	5	55	0.29	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
3	6	1	1.05	DSI	H01	0.02	ODSCC TSP AXIAL	In-Service via APC
3	6	5	0.64	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
3	6	10	1.44	DSI	H01	0.15	ODSCC TSP AXIAL	In-Service via APC
3	6	11	0.46	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	6	30	1.44	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	6	37	0.87	DSI	H01	0.18	ODSCC TSP AXIAL	In-Service via APC
3	6	38	1.21	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	6	50	0.37	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	7	6	0.69	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	7	14	0.93	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	7	18	0.4	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
3	7	21	0.48	DSI	H01	-0.09	ODSCC TSP AXIAL	In-Service via APC
3	7	25	0.68	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
3	7	29	0.6	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	7	39	0.45	DSI	H01	-0.09	ODSCC TSP AXIAL	In-Service via APC
3	7	56	0.67	DSI	H01	-0.15	ODSCC TSP AXIAL	In-Service via APC
3	7	60	0.77	DSI	H01	-0.09	ODSCC TSP AXIAL	In-Service via APC
3	7	61	0.46	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	7	64	0.81	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	7	70	1.1	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	7	71	0.88	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	7	72	0.76	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	7	91	1.03	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	7	92	0.61	DSI	H01	-0.12	ODSCC TSP AXIAL	In-Service via APC
3	7	93	0.74	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	8	6	0.66	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
3	8	7	0.72	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	8	19	0.58	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	8	28	0.81	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	8	42	0.48	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
3	8	49	0.89	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
3	8	50	1.02	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	8	51	0.47	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
3	8	52	0.67	DSI	H01	-0.18	ODSCC TSP AXIAL	In-Service via APC
3	8	57	0.46	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
3	8	59	0.68	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	8	64	0.6	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
3	8	69	0.79	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	9	3	0.31	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	9	4	0.79	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	9	5	4.17	DSI	H01	0	ODSCC TSP AXIAL	Plugged
3	9	6	0.66	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
3	9	7	0.79	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
3	9	8	1.16	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
3	9	11	1.02	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	9	12	0.72	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
3	9	14	1.05	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
3	9	16	0.9	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	9	41	0.89	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	9	48	1.61	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	9	50	0.93	DSI	H01	0.18	ODSCC TSP AXIAL	In-Service via APC
3	9	51	1.39	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
3	9	52	0.62	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	9	62	0.3	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	10	5	0.94	DSI	H01	0.18	ODSCC TSP AXIAL	In-Service via APC
3	10	14	0.58	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	10	58	0.2	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	10	60	0.67	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
3	11	4	0.64	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
3	11	5	0.41	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
3	11	6	0.79	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
3	11	7	0.76	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
3	11	11	1.45	DSI	H01	0.18	ODSCC TSP AXIAL	In-Service via APC
3	11	27	0.67	DSI	H01	-0.16	ODSCC TSP AXIAL	In-Service via APC
3	11	29	0.67	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
3	11	36	1.52	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	11	37	1.31	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
3	11	52	1.06	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	11	57	1.26	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
3	12	11	1.02	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
3	12	23	0.6	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
3	12	27	0.6	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	12	35	1.01	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
3	12	38	0.48	DSI	H01	0.31	ODSCC TSP AXIAL	In-Service via APC
3	13	3	1.12	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	13	4	0.43	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	13	7	1.27	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
3	13	9	0.79	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
3	13	11	0.79	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
3	13	12	0.72	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	13	24	1.19	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
3	13	29	0.89	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	13	30	0.89	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	13	34	0.73	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	13	36	1.12	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
3	13	44	0.67	DSI	H01	0.21	ODSCC TSP AXIAL	In-Service via APC
3	13	47	0.63	DSI	H01	0.18	ODSCC TSP AXIAL	In-Service via APC
3	13	52	0.46	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
3	13	53	1.29	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
3	13	54	0.99	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
3	14	3	0.62	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
3	14	4	0.79	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	14	9	1	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
3	14	14	0.67	DSI	H01	0.18	ODSCC TSP AXIAL	In-Service via APC
3	14	18	1.04	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	14	39	2.11	DSI	H01	-0.09	ODSCC TSP AXIAL	Plugged
3	14	41	0.79	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
3	14	52	0.63	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
3	15	3	1.48	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
3	15	8	0.87	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
3	15	9	0.61	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	15	15	1.31	DSI	H01	0.15	ODSCC TSP AXIAL	In-Service via APC
3	15	16	1.08	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
3	15	20	0.68	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	15	26	0.77	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	15	29	1.02	DSI	H01	-0.09	ODSCC TSP AXIAL	In-Service via APC
3	15	30	1.18	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
3	15	37	0.41	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	15	39	0.51	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	15	43	1.14	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
3	15	82	0.36	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	16	4	1.07	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	16	14	0.49	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	16	16	0.33	DSI	H01	0.21	ODSCC TSP AXIAL	In-Service via APC
3	16	21	1.36	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
3	16	22	0.93	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
3	16	24	0.65	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	16	25	1.19	DSI	H01	0.24	ODSCC TSP AXIAL	In-Service via APC
3	16	29	0.67	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	16	40	1.4	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	16	41	0.54	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
3	16	44	0.64	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	16	54	0.88	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
3	17	11	1.01	DSI	H01	0.21	ODSCC TSP AXIAL	In-Service via APC
3	17	12	0.72	DSI	H01	0.21	ODSCC TSP AXIAL	In-Service via APC
3	17	13	0.77	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
3	17	15	0.88	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	17	20	0.73	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
3	17	22	0.98	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
3	17	37	0.93	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	17	40	0.72	DSI	H01	-0.12	ODSCC TSP AXIAL	In-Service via APC
3	17	47	1.17	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
3	17	50	0.68	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
3	17	53	1.1	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
3	17	87	0.36	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	18	6	0.74	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	18	8	0.38	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	18	18	1.01	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
3	18	21	0.73	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
3	18	28	0.66	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	18	32	1.04	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	18	35	1.01	DSI	H01	0.15	ODSCC TSP AXIAL	In-Service via APC
3	18	37	1.01	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
3	18	38	0.99	DSI	H01	0.15	ODSCC TSP AXIAL	In-Service via APC
3	18	89	0.6	DSI	H01	0.15	ODSCC TSP AXIAL	In-Service via APC
3	19	6	0.54	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
3	19	10	0.8	DSI	H01	0.15	ODSCC TSP AXIAL	In-Service via APC
3	19	11	1.08	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	19	13	1.22	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
3	19	17	0.71	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
3	19	22	1.26	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	19	37	0.81	DSI	H01	0.21	ODSCC TSP AXIAL	In-Service via APC
3	19	39	0.74	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	19	40	0.73	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
3	19	47	0.31	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	20	6	1.04	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
3	20	7	0.94	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	20	12	1.47	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	20	19	1.33	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
3	20	29	1.95	DSI	H01	0.15	ODSCC TSP AXIAL	In-Service via APC
3	20	30	1.16	DSI	H01	0.15	ODSCC TSP AXIAL	In-Service via APC
3	20	31	1.81	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
3	20	32	1.45	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	20	37	0.93	DSI	H01	0.15	ODSCC TSP AXIAL	In-Service via APC
3	20	39	1.27	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	20	47	1.26	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	20	86	1.18	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	20	88	0.18	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
3	20	89	0.52	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
3	21	7	0.71	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
3	21	11	0.55	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	21	20	0.57	DSI	H01	0.21	ODSCC TSP AXIAL	In-Service via APC
3	21	24	1.4	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	21	33	1.27	DSI	H01	0.15	ODSCC TSP AXIAL	In-Service via APC
3	21	37	0.7	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	21	41	0.31	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	21	88	0.46	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
3	22	7	0.85	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	22	15	0.74	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	22	20	1.46	DSI	H01	0.15	ODSCC TSP AXIAL	In-Service via APC
3	22	21	0.55	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
3	22	23	0.94	DSI	H01	0.18	ODSCC TSP AXIAL	In-Service via APC
3	22	28	0.69	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	22	29	1.16	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
3	22	38	1.29	DSI	H01	0.3	ODSCC TSP AXIAL	In-Service via APC
3	22	40	0.95	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	22	52	1.26	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	22	62	0.32	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	23	9	1.32	DSI	H01	0.15	ODSCC TSP AXIAL	In-Service via APC
3	23	13	1.68	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
3	23	22	0.62	DSI	H01	0.21	ODSCC TSP AXIAL	In-Service via APC
3	23	30	1.4	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	23	32	0.54	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	23	38	1.5	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
3	23	41	0.2	DSI	H01	0.15	ODSCC TSP AXIAL	In-Service via APC
3	23	44	0.3	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	24	10	0.66	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
3	24	12	1.35	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
3	24	13	0.51	DSI	H01	0.24	ODSCC TSP AXIAL	In-Service via APC
3	24	16	1.93	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
3	24	19	0.81	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
3	24	21	1.07	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
3	24	23	0.84	DSI	H01	-0.12	ODSCC TSP AXIAL	In-Service via APC
3	24	25	1.2	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
3	24	29	1.43	DSI	H01	-0.2	ODSCC TSP AXIAL	In-Service via APC
3	24	35	1.11	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
3	25	8	1.75	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
3	25	18	1.62	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
3	25	21	0.64	DSI	H01	0.15	ODSCC TSP AXIAL	In-Service via APC
3	25	24	0.55	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	25	35	0.62	DSI	H01	0.24	ODSCC TSP AXIAL	In-Service via APC
3	25	49	0.89	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	25	60	0.35	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	26	9	1.4	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
3	26	10	0.42	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	26	12	0.82	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
3	26	14	1.44	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
3	26	19	0.85	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
3	26	21	0.68	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
3	26	23	0.87	DSI	H01	0.24	ODSCC TSP AXIAL	In-Service via APC
3	26	24	0.86	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	26	27	0.72	DSI	H01	0.21	ODSCC TSP AXIAL	In-Service via APC
3	26	28	1.26	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	26	29	0.56	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	26	33	0.67	DSI	H01	0.18	ODSCC TSP AXIAL	In-Service via APC
3	26	35	1.3	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
3	26	35	1.42	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	27	12	0.31	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
3	27	13	0.61	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
3	27	15	1.05	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
3	27	18	0.82	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
3	27	26	0.48	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	27	27	0.97	DSI	H01	0.33	ODSCC TSP AXIAL	In-Service via APC
3	27	29	0.87	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	27	35	1.04	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
3	27	85	0.75	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	28	14	0.39	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
3	28	17	0.37	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	28	26	1.19	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
3	28	28	0.84	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	28	84	1.3	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	29	14	1.45	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
3	29	15	0.35	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
3	29	16	0.63	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
3	29	35	0.88	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
3	30	13	0.83	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	30	18	0.65	DSI	H01	0.25	ODSCC TSP AXIAL	In-Service via APC
3	30	19	1.1	DSI	H01	0.15	ODSCC TSP AXIAL	In-Service via APC

SQN Unit 2 Cycle 16
180- Day Report
Table 4
Indications

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
3	30	21	0.6	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	30	23	1.81	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
3	30	50	1.1	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	31	20	0.51	DSI	H01	-0.09	ODSCC TSP AXIAL	In-Service via APC
3	31	28	1.52	DSI	H01	-0.09	ODSCC TSP AXIAL	In-Service via APC
3	31	30	0.67	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
3	31	32	1.26	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
3	31	76	1.26	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	31	77	0.65	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
3	32	20	0.65	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	32	21	0.56	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	32	23	1.97	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	32	27	0.36	DSI	H01	0.15	ODSCC TSP AXIAL	In-Service via APC
3	32	28	1.18	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
3	32	29	0.91	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
3	32	34	0.67	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
3	32	45	0.64	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	32	54	1.02	DSI	H01	0.23	ODSCC TSP AXIAL	In-Service via APC
3	32	77	0.51	DSI	H01	0.15	ODSCC TSP AXIAL	In-Service via APC
3	32	78	0.74	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
3	33	25	0.59	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
3	33	27	0.78	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
3	33	40	0.9	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	33	44	0.36	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
3	33	49	0.7	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
3	34	25	1.64	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	34	27	0.8	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
3	34	29	0.75	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	34	61	1.17	DSI	H01	-0.15	ODSCC TSP AXIAL	In-Service via APC
3	34	72	0.41	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	35	20	0.36	DSI	H01	0.15	ODSCC TSP AXIAL	In-Service via APC
3	35	21	1.11	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	35	23	0.42	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
3	35	27	0.55	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
3	36	24	1.82	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	37	23	1.04	DSI	H01	-0.12	ODSCC TSP AXIAL	In-Service via APC
3	37	31	1.16	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
3	38	25	0.98	DSI	H01	0	ODSCC TSP AXIAL	Plugged
3	38	27	0.39	DSI	H01	0.23	ODSCC TSP AXIAL	In-Service via APC
3	38	29	1.21	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	38	32	0.8	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	38	33	0.78	DSI	H01	0.15	ODSCC TSP AXIAL	In-Service via APC
3	39	30	0.67	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
3	40	25	0.59	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	40	29	0.61	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
3	41	30	0.95	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
3	42	33	1.1	DSI	H01	-0.19	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
3	42	63	0.27	DSI	H01	0.15	ODSCC TSP AXIAL	In-Service via APC
3	43	36	1.42	DSI	H01	-0.12	ODSCC TSP AXIAL	In-Service via APC
3	43	59	0.96	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
3	44	33	1.36	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
3	44	58	1.3	DSI	H01	0.18	ODSCC TSP AXIAL	In-Service via APC
3	45	49	0.41	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
3	46	52	0.81	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
4	1	82	0.93	DSI	H01	0.21	ODSCC TSP AXIAL	In-Service via APC
4	1	85	1.41	DSI	H01	0.21	ODSCC TSP AXIAL	In-Service via APC
4	2	25	0.82	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	2	26	0.26	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	2	47	0.62	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	2	53	0.95	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	2	55	1.13	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	2	57	0.44	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
4	2	58	0.53	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	2	59	0.34	DSI	H01	-0.12	ODSCC TSP AXIAL	In-Service via APC
4	2	67	1.37	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
4	2	74	0.65	DSI	H01	-0.15	ODSCC TSP AXIAL	In-Service via APC
4	2	75	0.74	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	2	76	1.71	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
4	2	84	0.41	DSI	H01	0.18	ODSCC TSP AXIAL	In-Service via APC
4	2	85	0.48	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	2	90	0.72	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	2	92	0.41	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	2	94	0.5	DSI	H01	-0.03	ODSCC TSP AXIAL	Plugged
4	3	18	0.4	DSI	H01	0.06	ODSCC TSP AXIAL	Plugged
4	3	25	0.75	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	3	28	0.5	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	3	30	0.4	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	3	35	0.54	DSI	H01	-0.21	ODSCC TSP AXIAL	In-Service via APC
4	3	71	1.19	DSI	H01	-0.09	ODSCC TSP AXIAL	In-Service via APC
4	3	82	0.36	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	3	87	0.43	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	3	88	0.9	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	3	89	0.67	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	3	90	0.91	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	3	91	0.75	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	3	92	0.68	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	3	94	0.9	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	4	18	0.56	DSI	H01	-0.15	ODSCC TSP AXIAL	In-Service via APC
4	4	23	0.73	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	4	27	0.59	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	4	28	0.89	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	4	40	1.22	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	4	41	0.63	DSI	H01	-0.18	ODSCC TSP AXIAL	In-Service via APC
4	4	74	0.32	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
4	4	77	0.53	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	4	78	0.67	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
4	4	82	1.45	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	4	87	1.23	DSI	H01	0.24	ODSCC TSP AXIAL	In-Service via APC
4	4	90	1.31	DSI	H01	0.15	ODSCC TSP AXIAL	In-Service via APC
4	4	91	0.98	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	4	94	1.18	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	5	1	0.42	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	5	9	0.67	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
4	5	25	0.38	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	5	26	0.73	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	5	28	1.38	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	5	29	0.53	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
4	5	30	1.18	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	5	32	0.61	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
4	5	33	0.83	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	5	35	1.31	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	5	36	0.65	DSI	H01	0.15	ODSCC TSP AXIAL	In-Service via APC
4	5	37	0.58	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	5	38	1.13	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	5	39	1.35	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	5	41	0.46	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	5	42	1.39	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	5	43	0.82	DSI	H01	-0.12	ODSCC TSP AXIAL	In-Service via APC
4	5	44	0.68	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	5	46	0.55	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	5	47	0.8	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	5	53	0.83	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	5	63	0.74	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	5	69	0.62	DSI	H01	-0.09	ODSCC TSP AXIAL	In-Service via APC
4	5	71	1.28	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
4	5	72	1.06	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	5	73	0.66	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
4	5	74	0.94	DSI	H01	-0.15	ODSCC TSP AXIAL	In-Service via APC
4	5	76	0.66	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	5	77	0.7	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	5	78	0.91	DSI	H01	-0.06	ODSCC TSP AXIAL	Plugged
4	5	79	0.67	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
4	5	80	1.35	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	5	82	0.71	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	5	83	1.01	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
4	5	87	1	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	5	88	1.14	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	5	89	1.32	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	5	91	1.22	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	5	92	0.92	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	5	93	0.93	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
4	6	8	0.52	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	6	21	0.33	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
4	6	24	0.53	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	6	28	0.88	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	6	29	0.39	DSI	H01	-0.09	ODSCC TSP AXIAL	In-Service via APC
4	6	30	0.73	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	6	42	1.07	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	6	45	0.89	DSI	H01	0	ODSCC TSP AXIAL	Plugged
4	6	47	0.57	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	6	66	0.75	DSI	H01	0	ODSCC TSP AXIAL	Plugged
4	6	68	0.82	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	6	69	0.28	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	6	72	0.94	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	6	73	0.57	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	6	74	1.05	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	6	75	0.94	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	6	76	1	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	6	78	0.73	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	6	80	1.11	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
4	6	84	0.58	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
4	6	88	0.99	DSI	H01	0.15	ODSCC TSP AXIAL	In-Service via APC
4	6	90	0.82	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	6	91	1.1	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	6	92	0.53	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	7	46	0.84	DSI	H01	0	ODSCC TSP AXIAL	Plugged
4	7	47	0.54	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	7	48	1.65	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	7	54	1.34	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	7	55	1.53	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	7	56	0.65	DSI	H01	-0.12	ODSCC TSP AXIAL	In-Service via APC
4	7	57	0.95	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	7	59	1.01	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	7	62	0.27	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	7	64	0.57	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	7	68	0.45	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	7	90	0.52	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	8	12	0.58	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	8	13	0.42	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	8	19	0.57	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	8	22	0.37	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	8	25	0.51	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	8	27	0.72	DSI	H01	-0.21	ODSCC TSP AXIAL	In-Service via APC
4	8	28	0.71	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	8	29	0.97	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	8	30	0.68	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	8	31	0.95	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	8	33	0.59	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
4	8	34	1.86	DSI	H01	0.15	ODSCC TSP AXIAL	In-Service via APC
4	8	35	0.55	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	8	36	0.8	DSI	H01	-0.24	ODSCC TSP AXIAL	In-Service via APC
4	8	38	0.79	DSI	H01	-0.15	ODSCC TSP AXIAL	In-Service via APC
4	8	39	1.17	DSI	H01	-0.09	ODSCC TSP AXIAL	In-Service via APC
4	8	40	0.56	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
4	8	41	1.48	DSI	H01	-0.12	ODSCC TSP AXIAL	Plugged
4	8	42	0.98	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	8	45	0.84	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	8	47	0.86	DSI	H01	-0.21	ODSCC TSP AXIAL	In-Service via APC
4	8	48	1	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	8	49	0.2	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	8	50	1.11	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	8	52	1.13	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	8	55	0.74	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	8	56	0.67	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	8	58	0.73	DSI	H01	-0.12	ODSCC TSP AXIAL	In-Service via APC
4	8	59	1.17	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	8	60	1.59	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	8	62	0.38	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	8	70	0.58	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	8	78	0.97	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	8	80	0.83	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	8	81	0.69	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	8	82	1	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	8	83	1.48	DSI	H01	-0.18	ODSCC TSP AXIAL	In-Service via APC
4	8	85	1.3	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
4	8	86	0.69	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	8	89	1.14	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
4	8	92	1.51	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	9	11	0.59	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	9	12	0.46	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	9	13	0.48	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	9	15	0.3	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
4	9	16	0.83	DSI	H01	-0.09	ODSCC TSP AXIAL	In-Service via APC
4	9	23	1	DSI	H01	-0.24	ODSCC TSP AXIAL	In-Service via APC
4	9	24	0.76	DSI	H01	-0.09	ODSCC TSP AXIAL	In-Service via APC
4	9	25	0.54	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	9	29	0.63	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	9	31	0.37	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	9	33	0.75	DSI	H01	-0.09	ODSCC TSP AXIAL	In-Service via APC
4	9	34	0.36	DSI	H01	-0.21	ODSCC TSP AXIAL	In-Service via APC
4	9	35	1.41	DSI	H01	-0.18	ODSCC TSP AXIAL	In-Service via APC
4	9	36	0.53	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	9	37	0.76	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
4	9	38	1.31	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	9	39	0.54	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
4	9	42	1.46	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	9	43	1.22	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	9	44	1.28	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	9	47	0.64	DSI	H01	-0.21	ODSCC TSP AXIAL	In-Service via APC
4	9	48	1.14	DSI	H01	-0.15	ODSCC TSP AXIAL	In-Service via APC
4	9	50	0.37	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	9	52	0.52	DSI	H01	-0.09	ODSCC TSP AXIAL	In-Service via APC
4	9	53	0.86	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	9	57	1.29	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	9	61	0.68	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	9	63	0.91	DSI	H01	-0.24	ODSCC TSP AXIAL	In-Service via APC
4	9	70	0.88	DSI	H01	-0.03	ODSCC TSP AXIAL	Plugged
4	9	73	1.08	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	9	82	0.86	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	9	83	0.66	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	9	89	0.29	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	9	93	0.35	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	10	29	0.42	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
4	10	31	0.53	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	10	34	0.49	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	10	35	0.75	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	10	36	0.4	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	10	39	0.74	DSI	H01	-0.12	ODSCC TSP AXIAL	In-Service via APC
4	10	42	0.73	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	10	45	0.4	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	10	52	0.88	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	11	42	0.75	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	11	69	0.26	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	11	86	0.71	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	12	23	0.74	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
4	12	24	1.22	DSI	H01	0.18	ODSCC TSP AXIAL	In-Service via APC
4	12	26	0.51	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	12	27	0.54	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	12	28	0.9	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	12	30	1.61	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	12	32	1.91	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	12	35	0.86	DSI	H01	0.15	ODSCC TSP AXIAL	In-Service via APC
4	12	36	0.77	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	12	38	0.59	DSI	H01	-0.09	ODSCC TSP AXIAL	Plugged
4	12	39	0.44	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	12	40	0.82	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
4	12	41	1.4	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	12	42	0.81	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	12	43	2.18	DSI	H01	0.03	ODSCC TSP AXIAL	Plugged
4	12	44	0.77	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
4	12	59	0.91	DSI	H01	0.08	ODSCC TSP AXIAL	In-Service via APC
4	12	61	1.13	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
4	12	62	0.76	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	12	63	0.92	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	12	71	1.02	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	12	74	0.68	DSI	H01	-0.05	ODSCC TSP AXIAL	In-Service via APC
4	12	75	0.6	DSI	H01	-0.15	ODSCC TSP AXIAL	In-Service via APC
4	12	76	1.19	DSI	H01	-0.11	ODSCC TSP AXIAL	In-Service via APC
4	12	81	0.52	DSI	H01	0.11	ODSCC TSP AXIAL	In-Service via APC
4	12	82	0.54	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	12	83	1.38	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	12	85	1.43	DSI	H01	-0.09	ODSCC TSP AXIAL	In-Service via APC
4	13	17	0.79	DSI	H01	-0.18	ODSCC TSP AXIAL	In-Service via APC
4	13	17	0.62	DSI	H01	0.24	ODSCC TSP AXIAL	In-Service via APC
4	13	22	0.63	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	13	33	0.46	DSI	H01	0.15	ODSCC TSP AXIAL	In-Service via APC
4	13	34	0.94	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	13	36	0.56	DSI	H01	-0.15	ODSCC TSP AXIAL	In-Service via APC
4	13	42	0.8	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	13	44	0.74	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	13	45	1.32	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	13	46	0.64	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
4	13	47	1.19	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	13	48	1.7	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	13	49	1.48	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	13	51	0.38	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	13	52	0.64	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	13	53	0.93	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
4	13	54	0.51	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	13	57	0.85	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	13	58	0.18	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	13	62	0.42	DSI	H01	0.08	ODSCC TSP AXIAL	In-Service via APC
4	13	70	0.44	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	13	77	0.43	DSI	H01	-0.14	ODSCC TSP AXIAL	In-Service via APC
4	13	79	0.26	DSI	H01	0.11	ODSCC TSP AXIAL	In-Service via APC
4	13	84	0.91	DSI	H01	0.14	ODSCC TSP AXIAL	In-Service via APC
4	13	86	1.41	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	14	22	1.67	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	14	24	0.9	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	14	57	1.57	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	14	59	1.15	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	14	60	0.52	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	14	77	1.23	DSI	H01	0.11	ODSCC TSP AXIAL	In-Service via APC
4	14	81	0.18	DSI	H01	0.08	ODSCC TSP AXIAL	In-Service via APC
4	14	82	1.58	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	14	83	1.28	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	14	85	0.56	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	14	86	1.61	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	14	88	1.27	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
4	14	89	0.98	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	14	90	1.37	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	14	91	0.76	DSI	H01	0.08	ODSCC TSP AXIAL	In-Service via APC
4	14	92	1.4	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	15	39	1.63	DSI	H01	-0.12	ODSCC TSP AXIAL	In-Service via APC
4	15	48	1.07	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	15	50	0.66	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	15	51	0.54	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	15	52	1.53	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	15	53	1.17	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	15	54	0.74	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	15	55	0.37	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	15	61	0.69	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	15	62	0.47	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	15	63	0.62	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	15	64	0.61	DSI	H01	0.23	ODSCC TSP AXIAL	In-Service via APC
4	15	65	0.74	DSI	H01	0.08	ODSCC TSP AXIAL	In-Service via APC
4	15	66	0.6	DSI	H01	-0.14	ODSCC TSP AXIAL	In-Service via APC
4	15	67	0.76	DSI	H01	0.11	ODSCC TSP AXIAL	In-Service via APC
4	15	69	0.46	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	15	78	0.85	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	16	35	0.32	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
4	16	43	0.4	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	16	45	0.63	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	16	50	0.92	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	16	59	1.06	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	16	61	0.91	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	16	82	0.88	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	16	83	0.62	DSI	H01	0.14	ODSCC TSP AXIAL	In-Service via APC
4	16	89	1.02	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	16	90	0.39	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	16	91	0.95	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	17	21	1.3	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
4	17	27	1.74	DSI	H01	0.08	ODSCC TSP AXIAL	In-Service via APC
4	17	29	0.67	DSI	H01	0.03	ODSCC TSP AXIAL	Plugged
4	17	30	0.77	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	17	32	0.43	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
4	17	34	0.77	DSI	H01	-0.09	ODSCC TSP AXIAL	In-Service via APC
4	17	55	0.48	DSI	H01	0.03	ODSCC TSP AXIAL	Plugged
4	17	56	0.81	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	17	57	0.75	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	17	61	1.02	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	17	62	0.58	DSI	H01	0.11	ODSCC TSP AXIAL	In-Service via APC
4	17	72	0.53	DSI	H01	0.08	ODSCC TSP AXIAL	In-Service via APC
4	17	75	0.6	DSI	H01	0.08	ODSCC TSP AXIAL	In-Service via APC
4	17	76	0.85	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	17	78	0.46	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
4	17	80	0.33	DSI	H01	-0.08	ODSCC TSP AXIAL	In-Service via APC
4	17	81	0.51	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	17	82	1.63	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	17	83	0.18	DSI	H01	0.08	ODSCC TSP AXIAL	In-Service via APC
4	17	84	1.12	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	17	85	0.52	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	17	87	1.42	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	17	88	1.03	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	17	90	0.5	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	17	91	0.52	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	18	15	0.7	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
4	18	17	0.47	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
4	18	18	1.02	DSI	H01	-0.22	ODSCC TSP AXIAL	In-Service via APC
4	18	20	0.82	DSI	H01	0.18	ODSCC TSP AXIAL	In-Service via APC
4	18	21	0.77	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
4	18	25	0.42	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	18	27	0.54	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	18	29	0.59	DSI	H01	0.15	ODSCC TSP AXIAL	In-Service via APC
4	18	33	1.75	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	18	36	1.24	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	18	40	1.22	DSI	H01	-0.16	ODSCC TSP AXIAL	In-Service via APC
4	18	41	0.39	DSI	H01	-0.09	ODSCC TSP AXIAL	In-Service via APC
4	18	42	0.21	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
4	18	46	0.63	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
4	18	48	0.73	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	18	49	1.43	DSI	H01	-0.15	ODSCC TSP AXIAL	In-Service via APC
4	18	50	0.86	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	18	57	0.89	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	18	58	0.94	DSI	H01	0.08	ODSCC TSP AXIAL	In-Service via APC
4	18	59	0.86	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	18	61	0.97	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	18	62	0.95	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	18	64	0.47	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	18	67	0.84	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	18	85	0.53	DSI	H01	0.08	ODSCC TSP AXIAL	In-Service via APC
4	19	8	0.54	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
4	19	12	0.41	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	19	29	0.55	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	19	34	0.49	DSI	H01	-0.12	ODSCC TSP AXIAL	In-Service via APC
4	19	35	0.63	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	19	37	0.79	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	19	42	0.95	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
4	19	50	0.54	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	19	51	1.29	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	19	56	0.37	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	19	58	0.22	DSI	H01	0.11	ODSCC TSP AXIAL	In-Service via APC
4	19	60	0.53	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
4	19	63	0.93	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	19	71	0.94	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	19	75	0.82	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	19	77	1.09	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	19	84	1.15	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	19	89	0.84	DSI	H01	0.08	ODSCC TSP AXIAL	In-Service via APC
4	20	25	1.64	DSI	H01	0.15	ODSCC TSP AXIAL	In-Service via APC
4	20	31	0.69	DSI	H01	0.21	ODSCC TSP AXIAL	In-Service via APC
4	20	32	1.69	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	20	34	0.77	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	20	37	1.57	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
4	20	38	0.39	DSI	H01	-0.09	ODSCC TSP AXIAL	In-Service via APC
4	20	39	0.99	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
4	20	46	0.71	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	20	47	0.83	DSI	H01	0.12	ODSCC TSP AXIAL	Plugged
4	20	48	1.36	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	20	49	0.46	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	20	50	0.87	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
4	20	51	0.79	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	20	52	1.13	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	20	54	0.57	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	20	55	0.72	DSI	H01	-0.12	ODSCC TSP AXIAL	In-Service via APC
4	20	56	0.43	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
4	20	57	2.25	DSI	H01	-0.06	ODSCC TSP AXIAL	Plugged
4	20	58	0.69	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	20	59	0.84	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	20	60	1.23	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	20	61	0.61	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	20	62	0.63	DSI	H01	-0.12	ODSCC TSP AXIAL	In-Service via APC
4	20	63	1.26	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	20	64	0.87	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	20	65	0.48	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	20	68	0.81	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	20	69	2.35	DSI	H01	0.08	ODSCC TSP AXIAL	Plugged
4	20	71	0.51	DSI	H01	0.11	ODSCC TSP AXIAL	In-Service via APC
4	20	77	0.71	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	21	12	0.72	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
4	21	39	1.62	DSI	H01	0.12	ODSCC TSP AXIAL	Plugged
4	21	43	0.35	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	21	44	0.35	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	21	45	1.07	DSI	H01	-0.12	ODSCC TSP AXIAL	In-Service via APC
4	21	48	0.79	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	21	51	1.46	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	21	75	0.64	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	21	83	0.82	DSI	H01	0.11	ODSCC TSP AXIAL	Plugged
4	21	85	0.34	DSI	H01	0.08	ODSCC TSP AXIAL	In-Service via APC
4	21	87	0.82	DSI	H01	0.14	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
4	21	88	0.66	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	21	89	0.73	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	22	33	1.3	DSI	H01	0.2	ODSCC TSP AXIAL	In-Service via APC
4	22	41	1.05	DSI	H01	0	ODSCC TSP AXIAL	Plugged
4	22	45	0.36	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	22	46	0.54	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	22	47	0.87	DSI	H01	-0.22	ODSCC TSP AXIAL	In-Service via APC
4	22	65	0.56	DSI	H01	-0.21	ODSCC TSP AXIAL	In-Service via APC
4	22	68	1	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	23	12	0.36	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	23	40	0.33	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	23	41	0.58	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
4	23	42	0.65	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	23	45	0.92	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	23	54	1.38	DSI	H01	0	ODSCC TSP AXIAL	Plugged
4	23	60	0.86	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
4	23	63	1.35	DSI	H01	-0.15	ODSCC TSP AXIAL	In-Service via APC
4	23	64	0.82	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	23	66	1.41	DSI	H01	0.17	ODSCC TSP AXIAL	Plugged
4	23	68	0.83	DSI	H01	0.08	ODSCC TSP AXIAL	In-Service via APC
4	23	69	0.67	DSI	H01	0.11	ODSCC TSP AXIAL	In-Service via APC
4	23	70	1.09	DSI	H01	0	ODSCC TSP AXIAL	Plugged
4	23	71	0.92	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	23	72	0.84	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	23	73	0.94	DSI	H01	0.22	ODSCC TSP AXIAL	In-Service via APC
4	23	74	0.95	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	23	75	0.82	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	23	84	0.73	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	23	85	0.97	DSI	H01	0.08	ODSCC TSP AXIAL	In-Service via APC
4	23	86	0.66	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	23	87	1.15	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	24	46	0.87	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	24	57	0.65	DSI	H01	-0.22	ODSCC TSP AXIAL	In-Service via APC
4	25	21	0.91	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	25	34	1.4	DSI	H01	-0.22	ODSCC TSP AXIAL	In-Service via APC
4	25	41	1.17	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
4	25	42	1.65	DSI	H01	-0.09	ODSCC TSP AXIAL	In-Service via APC
4	25	43	0.84	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	25	51	0.7	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	25	53	1.59	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	25	54	0.51	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
4	25	57	1.03	DSI	H01	-0.15	ODSCC TSP AXIAL	In-Service via APC
4	25	58	0.92	DSI	H01	-0.17	ODSCC TSP AXIAL	In-Service via APC
4	25	60	1.23	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	25	80	0.69	DSI	H01	0.08	ODSCC TSP AXIAL	In-Service via APC
4	25	83	0.95	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	25	85	0.93	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
4	26	35	0.94	DSI	H01	0.15	ODSCC TSP AXIAL	In-Service via APC
4	26	36	0.68	DSI	H01	-0.09	ODSCC TSP AXIAL	In-Service via APC
4	26	48	0.41	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	26	51	0.48	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
4	26	62	0.51	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
4	26	63	0.68	DSI	H01	-0.15	ODSCC TSP AXIAL	In-Service via APC
4	26	64	0.52	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	26	68	1.6	DSI	H01	0.11	ODSCC TSP AXIAL	In-Service via APC
4	26	69	0.82	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	26	71	0.91	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	26	72	0.41	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	26	85	0.92	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	27	20	0.51	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	27	45	1.37	DSI	H01	0.15	ODSCC TSP AXIAL	In-Service via APC
4	27	46	0.73	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	27	48	1.09	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
4	27	53	0.45	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	27	55	0.45	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	27	61	0.21	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	27	62	0.53	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	27	63	0.62	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	27	65	0.64	DSI	H01	-0.18	ODSCC TSP AXIAL	In-Service via APC
4	27	69	0.9	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	27	71	1.67	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	27	74	1.04	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	27	75	1.15	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	27	76	1.22	DSI	H01	-0.03	ODSCC TSP AXIAL	Plugged
4	27	77	1.19	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	27	78	0.54	DSI	H01	0.11	ODSCC TSP AXIAL	In-Service via APC
4	27	79	1.27	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	27	84	0.32	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	28	20	0.54	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	28	40	0.72	DSI	H01	0.22	ODSCC TSP AXIAL	In-Service via APC
4	28	45	0.86	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	28	48	1.05	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	28	63	0.67	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
4	28	65	0.95	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	28	66	0.55	DSI	H01	0.17	ODSCC TSP AXIAL	In-Service via APC
4	28	67	1.63	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	28	68	0.84	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	28	70	0.44	DSI	H01	0.08	ODSCC TSP AXIAL	In-Service via APC
4	28	71	1.14	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	28	72	0.84	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	28	73	0.64	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	28	75	0.81	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	28	76	0.32	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	28	77	1.15	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
4	28	78	0.94	DSI	H01	0.08	ODSCC TSP AXIAL	In-Service via APC
4	28	81	0.47	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	28	84	0.3	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	28	85	0.48	DSI	H01	0.11	ODSCC TSP AXIAL	In-Service via APC
4	29	14	0.61	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	29	35	0.46	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
4	29	38	0.71	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	29	39	0.62	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	29	43	0.65	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
4	29	47	0.96	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
4	29	48	0.87	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
4	29	50	0.72	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	29	51	0.76	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	29	56	0.33	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	29	57	0.5	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	29	58	1.17	DSI	H01	0.08	ODSCC TSP AXIAL	In-Service via APC
4	29	63	0.51	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	29	73	0.37	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	30	54	0.55	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	30	71	0.51	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	30	77	1.23	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	31	34	0.33	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
4	31	39	0.63	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	31	54	0.39	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	31	71	1.04	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	31	72	0.78	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	31	78	0.35	DSI	H01	0.17	ODSCC TSP AXIAL	In-Service via APC
4	32	39	0.63	DSI	H01	0.12	ODSCC TSP AXIAL	In-Service via APC
4	32	47	0.18	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	32	49	0.6	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	32	55	0.67	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	32	62	1.14	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	32	64	0.64	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	32	65	0.35	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	32	66	0.74	DSI	H01	-0.11	ODSCC TSP AXIAL	In-Service via APC
4	32	69	0.66	DSI	H01	-0.05	ODSCC TSP AXIAL	In-Service via APC
4	32	70	0.58	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	32	71	0.43	DSI	H01	0.08	ODSCC TSP AXIAL	In-Service via APC
4	32	73	0.52	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	32	74	0.46	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	33	24	0.68	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	33	45	1.08	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	33	54	0.29	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	33	55	0.67	DSI	H01	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	33	56	0.63	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	33	68	0.46	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	34	28	0.88	DSI	H01	-0.03	ODSCC TSP AXIAL	In-Service via APC

Table 4
Indications

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
4	34	43	0.45	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	34	47	0.81	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
4	34	48	0.48	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	34	56	0.35	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	34	65	0.81	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	34	66	0.84	DSI	H01	0.18	ODSCC TSP AXIAL	In-Service via APC
4	34	70	1.19	DSI	H01	0.11	ODSCC TSP AXIAL	In-Service via APC
4	34	72	0.62	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	34	76	0.43	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	35	69	0.31	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	35	71	1.44	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	35	73	0.41	DSI	H01	-0.05	ODSCC TSP AXIAL	In-Service via APC
4	36	47	0.53	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	36	52	0.64	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	36	59	0.45	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	36	65	0.73	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	36	71	1.03	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	36	72	0.53	DSI	H01	0.08	ODSCC TSP AXIAL	In-Service via APC
4	37	63	0.37	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	37	67	1.03	DSI	H01	0.18	ODSCC TSP AXIAL	In-Service via APC
4	37	71	0.49	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
4	37	72	0.48	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	38	21	0.41	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	38	27	0.5	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	39	22	0.44	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	39	66	0.31	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	40	57	0.71	DSI	H01	0.06	ODSCC TSP AXIAL	In-Service via APC
4	40	67	0.76	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	40	68	1.03	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	41	52	0.61	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
4	41	57	0.62	DSI	H01	0.09	ODSCC TSP AXIAL	In-Service via APC
4	41	58	0.46	DSI	H01	0	ODSCC TSP AXIAL	In-Service via APC
4	43	65	0.67	DSI	H01	0.03	ODSCC TSP AXIAL	In-Service via APC
1	2	8	0.75	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	2	12	0.58	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	2	35	0.36	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
1	3	17	1.98	DSI	H02	0.15	ODSCC TSP AXIAL	In-Service via APC
1	3	25	0.77	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
1	3	46	0.28	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
1	3	47	0.35	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
1	3	58	0.61	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	3	71	0.46	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
1	4	6	1.12	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	4	7	0.95	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
1	4	9	0.35	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
1	4	38	0.81	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	4	40	0.63	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
1	4	78	0.93	DSI	H02	-0.09	ODSCC TSP AXIAL	In-Service via APC
1	4	81	0.94	DSI	H02	-0.15	ODSCC TSP AXIAL	In-Service via APC
1	4	88	0.59	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
1	5	7	0.55	DSI	H02	-0.09	ODSCC TSP AXIAL	In-Service via APC
1	5	13	0.3	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	5	17	0.88	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	5	26	0.74	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
1	5	31	0.85	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	5	32	0.64	DSI	H02	0.03	ODSCC TSP AXIAL	Plugged
1	5	36	0.4	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	5	38	0.34	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	5	43	0.5	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	5	44	0.5	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
1	5	45	0.65	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
1	5	50	0.45	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	5	56	0.65	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	5	72	0.56	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	5	80	0.85	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	6	2	1.09	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
1	6	14	0.4	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	6	15	1.06	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	6	26	0.46	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	6	27	0.61	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	6	54	0.76	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
1	6	91	1.09	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
1	6	93	0.81	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	7	2	0.97	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	7	10	0.54	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	8	3	1.44	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
1	8	4	1	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	8	21	0.68	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	8	56	0.3	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	9	25	0.5	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	9	30	0.9	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
1	9	41	0.84	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
1	9	52	0.53	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	10	75	1.14	DSI	H02	-0.11	ODSCC TSP AXIAL	In-Service via APC
1	10	77	1.5	DSI	H02	0.05	ODSCC TSP AXIAL	In-Service via APC
1	10	78	0.54	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	10	84	0.33	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
1	11	18	0.28	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
1	11	58	0.82	DSI	H02	0.08	ODSCC TSP AXIAL	In-Service via APC
1	11	61	0.57	DSI	H02	0.05	ODSCC TSP AXIAL	In-Service via APC
1	11	93	1.37	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
1	12	43	0.7	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	12	44	0.36	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
1	12	46	0.73	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
1	12	48	0.22	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
1	13	56	0.75	DSI	H02	0.28	ODSCC TSP AXIAL	In-Service via APC
1	13	89	0.54	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
1	14	5	1.11	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
1	15	5	0.7	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
1	16	29	1.14	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	17	4	0.46	DSI	H02	0.08	ODSCC TSP AXIAL	In-Service via APC
1	17	21	0.15	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
1	17	33	1.31	DSI	H02	-0.17	ODSCC TSP AXIAL	In-Service via APC
1	18	8	0.69	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
1	18	19	1.63	DSI	H02	0.14	ODSCC TSP AXIAL	In-Service via APC
1	18	21	0.26	DSI	H02	0.11	ODSCC TSP AXIAL	In-Service via APC
1	18	82	0.23	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	19	8	0.36	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
1	19	37	0.63	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	19	45	0.74	DSI	H02	0.08	ODSCC TSP AXIAL	In-Service via APC
1	19	68	0.5	DSI	H02	0.08	ODSCC TSP AXIAL	In-Service via APC
1	19	74	0.3	DSI	H02	0.08	ODSCC TSP AXIAL	In-Service via APC
1	19	77	0.99	DSI	H02	-0.08	ODSCC TSP AXIAL	In-Service via APC
1	20	9	0.63	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
1	20	12	0.43	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
1	20	32	0.4	DSI	H02	0.08	ODSCC TSP AXIAL	In-Service via APC
1	20	65	1.27	DSI	H02	-0.08	ODSCC TSP AXIAL	In-Service via APC
1	21	7	1.11	DSI	H02	0.11	ODSCC TSP AXIAL	In-Service via APC
1	21	8	0.98	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
1	21	32	0.26	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
1	21	71	0.7	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	21	78	0.73	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	21	83	0.59	DSI	H02	0.08	ODSCC TSP AXIAL	In-Service via APC
1	21	87	1.25	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
1	21	88	1.17	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
1	22	10	0.68	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
1	22	11	0.9	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
1	22	14	0.5	DSI	H02	0.08	ODSCC TSP AXIAL	In-Service via APC
1	22	33	1.05	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
1	22	47	0.35	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
1	22	50	1.04	DSI	H02	-0.17	ODSCC TSP AXIAL	In-Service via APC
1	22	68	0.3	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
1	22	72	0.41	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	23	7	1.64	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	23	9	0.57	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
1	23	10	1.51	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
1	23	11	0.78	DSI	H02	0.08	ODSCC TSP AXIAL	In-Service via APC
1	23	12	0.4	DSI	H02	0.11	ODSCC TSP AXIAL	In-Service via APC
1	23	14	0.5	DSI	H02	0.11	ODSCC TSP AXIAL	In-Service via APC
1	23	20	0.47	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
1	23	34	0.51	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC

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Indications

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
1	24	17	1.56	DSI	H02	0.08	ODSCC TSP AXIAL	In-Service via APC
1	24	18	0.38	DSI	H02	0.14	ODSCC TSP AXIAL	In-Service via APC
1	24	21	1.33	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
1	24	29	1.38	DSI	H02	0.17	ODSCC TSP AXIAL	In-Service via APC
1	24	35	0.41	DSI	H02	0.08	ODSCC TSP AXIAL	In-Service via APC
1	25	8	0.85	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	25	14	0.47	DSI	H02	0.08	ODSCC TSP AXIAL	In-Service via APC
1	25	38	0.85	DSI	H02	0.19	ODSCC TSP AXIAL	In-Service via APC
1	25	77	0.7	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	26	20	0.34	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	26	28	0.44	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
1	26	30	0.67	DSI	H02	0.08	ODSCC TSP AXIAL	In-Service via APC
1	26	49	1.12	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
1	26	81	0.58	DSI	H02	0.08	ODSCC TSP AXIAL	In-Service via APC
1	27	13	0.83	DSI	H02	0.11	ODSCC TSP AXIAL	In-Service via APC
1	27	16	0.64	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
1	27	18	0.54	DSI	H02	0.08	ODSCC TSP AXIAL	In-Service via APC
1	27	21	0.18	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
1	27	24	0.59	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
1	27	25	0.63	DSI	H02	0.08	ODSCC TSP AXIAL	In-Service via APC
1	27	48	1.34	DSI	H02	-0.05	ODSCC TSP AXIAL	In-Service via APC
1	27	50	1.42	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	27	77	0.22	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	27	82	0.45	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
1	28	10	0.81	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
1	28	12	0.45	DSI	H02	0.08	ODSCC TSP AXIAL	In-Service via APC
1	28	26	0.64	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	28	27	0.42	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	28	31	0.63	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
1	28	43	1.23	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
1	28	45	1.1	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
1	28	46	1.16	DSI	H02	-0.08	ODSCC TSP AXIAL	In-Service via APC
1	28	50	1.02	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
1	28	56	0.59	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
1	28	57	0.49	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	28	77	1.09	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	28	79	0.4	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
1	29	39	0.66	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	29	50	0.91	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
1	29	51	1.07	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
1	29	52	1.8	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	29	55	0.45	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
1	30	41	0.33	DSI	H02	-0.08	ODSCC TSP AXIAL	In-Service via APC
1	30	49	0.55	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
1	30	62	0.42	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	30	82	0.7	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	31	19	1.18	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
1	31	21	1.16	DSI	H02	0.22	ODSCC TSP AXIAL	In-Service via APC
1	31	26	0.35	DSI	H02	0.08	ODSCC TSP AXIAL	In-Service via APC
1	31	33	0.44	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	31	54	1.1	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
1	31	77	0.53	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	32	42	0.75	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	32	45	0.5	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	32	48	0.91	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	32	52	0.96	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	32	53	0.79	DSI	H02	0.08	ODSCC TSP AXIAL	In-Service via APC
1	32	54	0.69	DSI	H02	0.08	ODSCC TSP AXIAL	In-Service via APC
1	32	57	1.14	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	32	73	0.72	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	33	42	0.49	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	33	50	1.33	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	33	61	0.35	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
1	33	67	0.47	DSI	H02	0.11	ODSCC TSP AXIAL	In-Service via APC
1	33	71	0.99	DSI	H02	-0.08	ODSCC TSP AXIAL	In-Service via APC
1	33	72	0.47	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	34	22	0.94	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	34	35	0.53	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
1	35	17	1.28	DSI	H02	0.08	ODSCC TSP AXIAL	In-Service via APC
1	35	19	0.68	DSI	H02	0.25	ODSCC TSP AXIAL	In-Service via APC
1	35	21	0.63	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
1	35	22	0.54	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
1	35	30	0.87	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	35	33	1.17	DSI	H02	0.08	ODSCC TSP AXIAL	In-Service via APC
1	35	42	1.16	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	35	47	0.48	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
1	36	18	0.21	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
1	36	42	0.56	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	36	47	0.68	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
1	36	54	0.38	DSI	H02	0.17	ODSCC TSP AXIAL	In-Service via APC
1	36	62	0.81	DSI	H02	0.08	ODSCC TSP AXIAL	In-Service via APC
1	37	32	0.3	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
1	37	61	0.99	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
1	38	24	0.51	DSI	H02	0.08	ODSCC TSP AXIAL	In-Service via APC
1	38	51	0.46	DSI	H02	0.05	ODSCC TSP AXIAL	In-Service via APC
1	38	63	0.7	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	38	65	0.53	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
1	38	72	0.39	DSI	H02	0.08	ODSCC TSP AXIAL	In-Service via APC
1	39	32	0.66	DSI	H02	0.08	ODSCC TSP AXIAL	In-Service via APC
1	39	48	0.72	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	40	25	1.03	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
1	40	27	0.62	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	40	38	0.32	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
1	41	31	0.36	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
1	41	37	1.56	DSI	H02	0.08	ODSCC TSP AXIAL	In-Service via APC
1	42	33	0.67	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	42	40	0.98	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	42	49	0.73	DSI	H02	-0.09	ODSCC TSP AXIAL	In-Service via APC
1	43	40	0.19	DSI	H02	0.08	ODSCC TSP AXIAL	In-Service via APC
1	43	41	0.26	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
1	43	45	1.17	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	44	37	1.22	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	44	40	0.66	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
1	44	42	0.88	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
1	44	45	1.22	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
1	44	50	0.65	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	45	37	0.91	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
1	45	47	0.64	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
1	45	49	0.49	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
1	45	51	0.93	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	2	2	0.53	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	2	14	0.44	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	2	22	0.39	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
2	2	28	0.6	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	2	30	0.31	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	2	37	0.49	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	2	43	1.24	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	2	45	1.17	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	2	46	0.66	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	2	47	1.06	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	2	49	1.18	DSI	H02	0.21	ODSCC TSP AXIAL	In-Service via APC
2	2	50	0.75	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	2	55	0.66	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	2	57	0.58	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	2	58	1.7	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	2	61	1.09	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	2	62	0.8	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	2	66	1.17	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	2	70	0.59	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	2	73	1.06	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	2	76	0.86	DSI	H02	-0.12	ODSCC TSP AXIAL	In-Service via APC
2	2	83	0.3	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	2	85	0.89	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	2	88	1.22	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	2	90	0.82	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
2	2	94	0.9	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	3	16	0.63	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	3	17	0.32	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	3	30	0.58	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	3	31	0.42	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	3	37	0.91	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC

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Indications

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
2	3	42	1.88	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	3	49	0.46	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	3	51	1.27	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	3	61	1.8	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	3	62	0.43	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	3	66	0.38	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
2	3	76	1.38	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	3	88	0.95	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
2	3	92	0.42	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	4	1	0.46	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	4	22	0.26	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
2	4	26	0.89	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	4	27	0.35	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	4	45	0.91	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	4	50	0.19	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	4	51	0.22	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	4	54	0.44	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	4	56	1.2	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
2	4	58	0.74	DSI	H02	-0.09	ODSCC TSP AXIAL	In-Service via APC
2	4	59	1.49	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	4	92	1.01	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	4	94	1.01	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	5	1	0.23	DSI	H02	-0.09	ODSCC TSP AXIAL	In-Service via APC
2	5	4	0.58	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
2	5	6	0.65	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	5	38	0.33	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	5	59	0.44	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
2	5	65	0.93	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	5	66	0.7	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	5	92	0.4	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	5	93	1.18	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	6	1	0.54	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
2	6	3	0.43	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	6	16	0.47	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	6	17	0.52	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	6	18	0.44	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
2	6	21	0.68	DSI	H02	-0.21	ODSCC TSP AXIAL	In-Service via APC
2	6	24	0.32	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	6	32	0.49	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
2	6	38	0.75	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	6	39	0.81	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	6	43	1.5	DSI	H02	-0.09	ODSCC TSP AXIAL	In-Service via APC
2	6	57	0.46	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
2	6	70	0.38	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	6	79	1.13	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	6	84	0.86	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	6	90	0.51	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
2	7	4	0.78	DSI	H02	0.15	ODSCC TSP AXIAL	In-Service via APC
2	7	9	0.4	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	7	10	0.25	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	7	13	0.68	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	7	38	0.19	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
2	7	43	0.7	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	7	49	0.61	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	7	57	1.19	DSI	H02	-0.09	ODSCC TSP AXIAL	In-Service via APC
2	7	61	0.34	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	7	67	0.38	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	7	68	0.41	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	7	71	0.36	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	7	72	0.19	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	7	76	0.96	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	7	79	0.43	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	7	88	0.63	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	7	89	0.94	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	7	91	0.57	DSI	H02	-0.27	ODSCC TSP AXIAL	In-Service via APC
2	8	11	0.43	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	8	13	0.49	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
2	8	35	0.79	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
2	8	38	0.46	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	8	42	0.29	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	8	45	1.02	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	8	47	0.55	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	8	51	0.57	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	8	61	0.7	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	8	64	0.82	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	8	68	0.32	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	8	90	0.39	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	9	14	0.46	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
2	9	22	0.47	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	9	23	0.2	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	9	34	0.51	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	9	36	0.56	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	9	40	0.18	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	9	41	0.51	DSI	H02	-0.27	ODSCC TSP AXIAL	In-Service via APC
2	9	41	0.17	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	9	48	0.44	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	9	55	0.45	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	9	57	0.51	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
2	9	69	0.28	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	9	72	0.33	DSI	H02	-0.09	ODSCC TSP AXIAL	In-Service via APC
2	9	91	0.64	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
2	10	4	0.92	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	10	13	0.31	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	10	71	0.97	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
2	10	89	0.96	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	11	25	0.18	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
2	11	63	0.33	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
2	11	67	1.73	DSI	H02	-0.18	ODSCC TSP AXIAL	In-Service via APC
2	11	75	0.86	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	11	88	0.74	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
2	12	6	1.15	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
2	12	38	0.76	DSI	H02	0.12	ODSCC TSP AXIAL	In-Service via APC
2	12	44	1.05	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
2	12	59	0.45	DSI	H02	-0.12	ODSCC TSP AXIAL	In-Service via APC
2	12	85	0.71	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
2	12	90	0.61	DSI	H02	0.12	ODSCC TSP AXIAL	In-Service via APC
2	13	21	0.56	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	14	11	0.46	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
2	14	18	0.31	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	14	23	0.23	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
2	14	47	0.76	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	14	90	0.81	DSI	H02	0.15	ODSCC TSP AXIAL	In-Service via APC
2	15	40	1.36	DSI	H02	-0.15	ODSCC TSP AXIAL	In-Service via APC
2	15	48	0.39	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	15	49	0.79	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	15	84	0.74	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
2	15	87	0.81	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	16	11	0.92	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	18	7	1.48	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
2	18	14	0.45	DSI	H02	0.12	ODSCC TSP AXIAL	In-Service via APC
2	18	56	0.68	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
2	18	78	0.69	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	19	15	0.66	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	19	22	0.71	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	19	63	0.41	DSI	H02	0.12	ODSCC TSP AXIAL	In-Service via APC
2	19	68	0.14	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	19	70	0.17	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
2	20	44	0.43	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
2	20	48	0.94	DSI	H02	0.24	ODSCC TSP AXIAL	In-Service via APC
2	20	49	0.77	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
2	20	56	1.14	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
2	20	58	1.03	DSI	H02	-0.21	ODSCC TSP AXIAL	In-Service via APC
2	20	89	0.51	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
2	21	9	1.1	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	21	20	0.37	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	22	16	0.78	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	22	30	0.45	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
2	22	64	0.64	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
2	22	68	0.29	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
2	23	17	0.8	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	23	22	0.49	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
2	23	72	0.22	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	23	73	1.74	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	23	85	0.53	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	23	86	1.16	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
2	24	13	0.61	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	24	37	0.68	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
2	24	38	0.42	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
2	24	43	1.1	DSI	H02	0.21	ODSCC TSP AXIAL	In-Service via APC
2	24	45	0.46	DSI	H02	0.18	ODSCC TSP AXIAL	In-Service via APC
2	24	56	0.38	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	24	60	0.81	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
2	24	65	1	DSI	H02	-0.17	ODSCC TSP AXIAL	In-Service via APC
2	25	22	0.43	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	25	43	0.65	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	25	70	0.48	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
2	25	72	0.77	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	25	75	0.54	DSI	H02	0.18	ODSCC TSP AXIAL	In-Service via APC
2	26	15	1.05	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	26	17	0.71	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
2	26	59	0.58	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
2	27	53	0.91	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	27	68	1.08	DSI	H02	0.06	ODSCC TSP AXIAL	Plugged
2	27	84	0.96	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
2	28	12	0.64	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	28	17	1.15	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	28	25	0.34	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	28	60	0.41	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	28	69	0.51	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
2	28	79	0.82	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
2	29	16	0.86	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
2	29	17	0.88	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	29	20	0.77	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
2	29	21	0.96	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	29	45	0.31	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
2	29	61	0.42	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	29	79	0.48	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	30	16	0.76	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
2	30	17	0.79	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	30	21	0.94	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	30	22	0.57	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	30	27	0.69	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
2	30	38	0.65	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	30	54	0.26	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
2	30	55	1.5	DSI	H02	-0.21	ODSCC TSP AXIAL	In-Service via APC
2	30	68	1.79	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	30	74	1.91	DSI	H02	-0.21	ODSCC TSP AXIAL	In-Service via APC
2	30	76	1.1	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC

SQN Unit 2 Cycle 16
180- Day Report
Table 4
Indications

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
2	30	77	0.65	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
2	30	79	0.57	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	30	82	0.57	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
2	30	83	0.82	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	31	16	0.49	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
2	31	25	0.8	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	31	39	0.4	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
2	31	47	0.76	DSI	H02	0.15	ODSCC TSP AXIAL	In-Service via APC
2	31	58	0.35	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	31	66	0.68	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
2	31	67	0.86	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	31	70	1.27	DSI	H02	-0.18	ODSCC TSP AXIAL	In-Service via APC
2	31	74	0.95	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	32	20	0.75	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	32	21	0.64	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
2	32	23	0.78	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	32	60	0.44	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	32	61	0.65	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	32	74	1.24	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	33	31	1.44	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
2	33	77	0.18	SAI	H02	0.15	ODSCC TSP AXIAL	Plugged
2	35	42	0.47	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	35	44	0.62	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
2	35	45	0.51	DSI	H02	0.12	ODSCC TSP AXIAL	In-Service via APC
2	35	47	0.47	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
2	35	51	0.48	DSI	H02	0.12	ODSCC TSP AXIAL	In-Service via APC
2	35	59	0.77	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	35	64	0.52	DSI	H02	-0.21	ODSCC TSP AXIAL	In-Service via APC
2	36	21	0.41	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	36	31	0.47	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	36	33	0.7	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	36	42	1.08	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	36	63	0.52	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	36	71	0.89	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
2	36	74	0.67	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	36	75	0.88	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
2	37	26	0.51	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	37	43	0.9	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	37	54	0.35	DSI	H02	0.12	ODSCC TSP AXIAL	In-Service via APC
2	37	55	0.77	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	37	58	0.31	DSI	H02	0.12	ODSCC TSP AXIAL	In-Service via APC
2	38	25	0.53	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	38	26	0.81	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
2	38	27	0.88	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	38	28	0.37	DSI	H02	0.12	ODSCC TSP AXIAL	In-Service via APC
2	38	32	0.39	DSI	H02	0.12	ODSCC TSP AXIAL	In-Service via APC
2	38	33	0.87	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
2	38	45	1.78	DSI	H02	-0.21	ODSCC TSP AXIAL	In-Service via APC
2	38	49	0.93	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	38	53	0.46	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
2	38	59	0.73	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	39	25	0.63	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	39	31	0.47	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
2	39	37	0.54	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	39	38	0.84	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
2	39	40	0.3	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	39	55	0.78	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
2	39	59	0.39	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
2	39	62	0.96	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	39	70	0.56	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	40	29	0.56	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	40	31	0.39	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
2	40	33	0.4	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
2	40	37	0.69	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
2	40	57	0.47	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
2	40	60	0.41	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	40	64	0.41	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
2	41	34	1.62	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	41	37	1.25	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
2	41	39	0.35	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
2	41	41	1.13	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	41	43	1.21	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	41	50	0.99	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	41	54	0.85	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	42	34	0.29	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	42	50	0.77	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	42	51	0.69	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
2	42	54	0.34	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	42	66	0.76	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
2	43	38	0.42	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	43	43	0.99	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	43	47	0.62	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	43	49	0.45	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	43	50	0.46	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	43	52	0.4	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	43	54	0.34	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
2	44	37	0.56	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	44	39	0.64	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	44	44	1	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	44	45	0.39	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	44	46	0.6	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	44	48	0.53	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	44	52	1.43	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	45	42	0.65	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
2	45	43	0.75	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	45	48	0.63	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	45	51	0.75	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	45	52	1.01	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
2	45	54	0.6	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
2	45	57	0.56	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
2	46	50	0.3	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
3	1	79	0.95	DSI	H02	0.12	ODSCC TSP AXIAL	In-Service via APC
3	2	1	0.51	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
3	2	25	0.48	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	2	38	0.23	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
3	2	39	0.94	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
3	2	56	0.45	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
3	2	73	0.51	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	2	89	0.44	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	3	1	0.6	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
3	3	24	0.38	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
3	3	29	0.49	DSI	H02	-0.09	ODSCC TSP AXIAL	In-Service via APC
3	3	49	0.61	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
3	3	51	0.56	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
3	3	94	0.84	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
3	4	25	1.22	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
3	4	26	0.6	DSI	H02	-0.12	ODSCC TSP AXIAL	In-Service via APC
3	4	55	0.91	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
3	4	60	1.19	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
3	4	83	1.05	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
3	4	84	0.9	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
3	5	1	1.67	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
3	5	4	0.39	DSI	H02	0	ODSCC TSP AXIAL	Plugged
3	5	5	1.04	DSI	H02	-0.24	ODSCC TSP AXIAL	In-Service via APC
3	5	13	0.39	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
3	5	17	0.59	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
3	6	37	0.87	DSI	H02	-0.09	ODSCC TSP AXIAL	Plugged
3	6	38	0.44	DSI	H02	0.12	ODSCC TSP AXIAL	In-Service via APC
3	6	75	0.24	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
3	6	77	0.29	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
3	6	79	0.43	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
3	6	87	0.62	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
3	6	94	0.42	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
3	7	1	1.11	DSI	H02	-0.09	ODSCC TSP AXIAL	In-Service via APC
3	7	14	0.54	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	7	24	0.63	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
3	7	25	0.51	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
3	7	38	0.28	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	7	56	0.85	DSI	H02	0.12	ODSCC TSP AXIAL	In-Service via APC
3	7	58	0.69	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
3	7	67	0.74	DSI	H02	0.12	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
3	7	71	1.76	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
3	7	72	1.2	DSI	H02	0.12	ODSCC TSP AXIAL	In-Service via APC
3	7	85	0.51	DSI	H02	-0.12	ODSCC TSP AXIAL	In-Service via APC
3	7	91	0.96	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	7	93	1.63	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
3	8	15	0.55	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
3	8	19	0.93	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
3	8	50	0.67	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	8	52	0.57	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	8	55	0.43	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
3	8	67	0.6	DSI	H02	-0.12	ODSCC TSP AXIAL	In-Service via APC
3	8	68	0.34	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
3	9	13	0.88	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
3	9	20	0.68	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
3	9	21	1.01	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
3	9	40	0.37	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
3	9	48	1.17	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
3	10	13	0.44	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
3	11	5	0.56	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
3	11	7	0.76	DSI	H02	0.15	ODSCC TSP AXIAL	In-Service via APC
3	11	17	1.4	DSI	H02	0.12	ODSCC TSP AXIAL	In-Service via APC
3	11	46	0.77	DSI	H02	0.12	ODSCC TSP AXIAL	In-Service via APC
3	12	22	0.43	DSI	H02	0.24	ODSCC TSP AXIAL	In-Service via APC
3	12	35	1.15	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	13	3	0.78	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
3	13	10	0.6	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
3	13	17	0.67	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
3	13	24	0.97	DSI	H02	0.18	ODSCC TSP AXIAL	In-Service via APC
3	13	29	0.26	DSI	H02	0.18	ODSCC TSP AXIAL	In-Service via APC
3	13	40	0.38	DSI	H02	0.12	ODSCC TSP AXIAL	In-Service via APC
3	13	44	0.59	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
3	13	47	1.41	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
3	13	55	0.37	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
3	14	13	0.39	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
3	14	20	0.88	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
3	14	21	0.86	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
3	14	41	0.38	DSI	H02	0.15	ODSCC TSP AXIAL	In-Service via APC
3	14	79	0.51	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
3	15	3	1.12	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
3	15	5	0.85	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
3	15	7	0.76	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
3	15	13	0.61	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
3	15	18	1.18	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
3	15	29	0.8	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
3	15	36	0.3	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	15	41	1.33	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
3	15	43	0.66	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
3	16	4	0.74	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
3	16	21	0.83	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
3	16	27	0.76	DSI	H02	0.15	ODSCC TSP AXIAL	In-Service via APC
3	17	6	1.09	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
3	17	15	0.52	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
3	17	39	0.77	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
3	17	87	1.16	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
3	18	37	0.35	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	19	5	0.72	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
3	19	12	0.95	DSI	H02	-0.12	ODSCC TSP AXIAL	In-Service via APC
3	19	13	0.35	DSI	H02	0.12	ODSCC TSP AXIAL	In-Service via APC
3	19	22	0.61	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
3	19	34	1.27	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
3	19	47	0.73	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
3	20	26	1.21	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
3	20	29	0.88	DSI	H02	0.18	ODSCC TSP AXIAL	In-Service via APC
3	20	31	0.28	DSI	H02	0.15	ODSCC TSP AXIAL	In-Service via APC
3	20	50	0.32	DSI	H02	-0.09	ODSCC TSP AXIAL	In-Service via APC
3	20	79	0.26	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
3	20	87	0.9	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
3	21	6	0.7	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
3	21	15	0.41	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
3	21	20	0.97	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
3	21	29	0.42	DSI	H02	0.37	ODSCC TSP AXIAL	In-Service via APC
3	21	81	1.12	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
3	21	82	0.7	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
3	21	84	0.82	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
3	22	26	1.36	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
3	22	28	1.29	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
3	22	53	1	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
3	22	68	0.64	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
3	23	26	0.79	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
3	23	32	0.74	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
3	23	49	0.28	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
3	23	60	0.33	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
3	24	12	0.8	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
3	24	13	0.69	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
3	24	15	0.63	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
3	24	16	1.39	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
3	24	23	0.71	DSI	H02	0.21	ODSCC TSP AXIAL	In-Service via APC
3	24	27	0.78	DSI	H02	0.21	ODSCC TSP AXIAL	In-Service via APC
3	24	63	1.33	DSI	H02	-0.09	ODSCC TSP AXIAL	In-Service via APC
3	25	19	0.77	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
3	25	24	0.29	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
3	25	26	1.43	DSI	H02	0.15	ODSCC TSP AXIAL	In-Service via APC
3	25	27	0.69	DSI	H02	0.18	ODSCC TSP AXIAL	In-Service via APC
3	25	52	1.03	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
3	25	61	0.43	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
3	25	72	0.54	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
3	25	81	0.42	DSI	H02	0.12	ODSCC TSP AXIAL	In-Service via APC
3	26	16	0.99	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
3	26	17	1.09	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	26	20	0.88	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
3	26	25	0.93	DSI	H02	0.18	ODSCC TSP AXIAL	In-Service via APC
3	26	29	0.42	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	26	30	0.22	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
3	26	38	1.02	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
3	26	63	0.81	DSI	H02	0.12	ODSCC TSP AXIAL	In-Service via APC
3	26	81	1.21	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
3	27	24	0.88	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
3	27	26	1.4	DSI	H02	0.18	ODSCC TSP AXIAL	In-Service via APC
3	27	29	0.58	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
3	27	30	1.05	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
3	27	36	0.8	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
3	27	60	0.76	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
3	27	63	0.71	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
3	27	67	0.42	DSI	H02	-0.12	ODSCC TSP AXIAL	In-Service via APC
3	27	68	0.6	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
3	27	79	0.4	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
3	27	85	0.4	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
3	28	32	0.75	DSI	H02	0.24	ODSCC TSP AXIAL	In-Service via APC
3	29	34	0.92	DSI	H02	0.12	ODSCC TSP AXIAL	In-Service via APC
3	29	71	0.21	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
3	30	26	0.42	DSI	H02	0.15	ODSCC TSP AXIAL	In-Service via APC
3	30	42	0.77	DSI	H02	0.15	ODSCC TSP AXIAL	In-Service via APC
3	30	46	1.17	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
3	30	63	0.86	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
3	30	72	0.59	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	30	80	0.39	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
3	31	25	0.62	DSI	H02	0.21	ODSCC TSP AXIAL	In-Service via APC
3	31	26	0.7	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
3	31	32	1.12	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
3	31	42	0.22	DSI	H02	0.21	ODSCC TSP AXIAL	In-Service via APC
3	31	46	0.73	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
3	31	65	0.85	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
3	31	76	0.74	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
3	32	25	0.71	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
3	32	32	0.84	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
3	32	33	1.4	DSI	H02	0.18	ODSCC TSP AXIAL	In-Service via APC
3	32	34	0.63	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
3	32	42	1.05	DSI	H02	0.15	ODSCC TSP AXIAL	In-Service via APC
3	32	48	0.45	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
3	32	54	0.67	DSI	H02	-0.09	ODSCC TSP AXIAL	In-Service via APC
3	32	77	0.37	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
3	33	21	0.73	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
3	33	36	0.96	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
3	33	41	0.52	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
3	33	45	1.24	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
3	33	49	0.57	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
3	33	70	0.77	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
3	34	19	1.1	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
3	34	25	1.44	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
3	34	34	1.32	DSI	H02	0.12	ODSCC TSP AXIAL	In-Service via APC
3	34	51	0.84	DSI	H02	0.12	ODSCC TSP AXIAL	In-Service via APC
3	34	63	0.64	DSI	H02	0.15	ODSCC TSP AXIAL	In-Service via APC
3	34	72	1.53	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
3	35	44	0.47	DSI	H02	0.18	ODSCC TSP AXIAL	In-Service via APC
3	35	47	1.03	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
3	35	55	1.06	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
3	35	58	1.33	DSI	H02	0.12	ODSCC TSP AXIAL	In-Service via APC
3	36	25	2.18	DSI	H02	0.12	ODSCC TSP AXIAL	Plugged
3	36	29	0.3	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
3	36	31	0.52	DSI	H02	0.15	ODSCC TSP AXIAL	In-Service via APC
3	36	38	0.83	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
3	36	48	0.38	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
3	36	68	0.37	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
3	37	26	0.87	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
3	37	27	0.7	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
3	37	28	0.78	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
3	37	32	0.71	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
3	37	67	0.58	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
3	37	68	0.5	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
3	38	27	0.48	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
3	38	29	0.55	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
3	38	36	0.87	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
3	38	44	0.57	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
3	38	45	0.7	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
3	38	46	0.76	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
3	38	58	2.06	DSI	H02	0.12	ODSCC TSP AXIAL	Plugged
3	38	62	1.1	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
3	39	48	1.06	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
3	39	71	1.33	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
3	40	24	0.91	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
3	40	25	1.24	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
3	40	43	0.48	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
3	40	67	0.89	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
3	40	69	0.52	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	41	33	0.56	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
3	41	39	0.89	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
3	41	68	0.6	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
3	44	52	0.84	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
3	44	55	0.56	DSI	H02	-0.15	ODSCC TSP AXIAL	In-Service via APC
3	44	58	0.67	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
3	45	42	0.8	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
3	46	52	0.38	DSI	H02	0.12	ODSCC TSP AXIAL	In-Service via APC
4	2	15	0.88	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	2	38	0.71	DSI	H02	0.15	ODSCC TSP AXIAL	In-Service via APC
4	2	53	0.74	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
4	2	54	0.48	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	2	55	0.55	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	2	58	0.63	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	2	62	0.38	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	2	64	0.76	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	2	65	0.46	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
4	2	72	1.11	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	2	74	1.38	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	2	84	0.36	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	2	85	0.4	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	2	86	0.98	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	3	4	0.39	DSI	H02	0	ODSCC TSP AXIAL	Plugged
4	3	16	0.71	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
4	3	18	1.19	DSI	H02	-0.06	ODSCC TSP AXIAL	Plugged
4	3	19	0.43	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	3	21	0.82	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
4	3	22	0.74	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	3	23	0.78	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	3	25	1.07	DSI	H02	-0.21	ODSCC TSP AXIAL	In-Service via APC
4	3	34	0.44	DSI	H02	-0.09	ODSCC TSP AXIAL	In-Service via APC
4	3	71	0.27	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	3	81	0.53	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
4	3	87	0.98	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	3	88	1.13	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	3	89	0.93	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	3	90	0.75	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
4	3	93	0.7	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	4	3	0.71	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	4	8	0.51	DSI	H02	-0.12	ODSCC TSP AXIAL	In-Service via APC
4	4	12	0.51	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	4	13	0.88	DSI	H02	0.12	ODSCC TSP AXIAL	In-Service via APC
4	4	16	0.48	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
4	4	18	0.3	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	4	19	0.59	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	4	22	0.32	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
4	4	28	0.21	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	4	47	1.07	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	4	57	0.41	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	4	78	0.34	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	4	82	0.63	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
4	4	84	0.59	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	4	88	0.97	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	4	90	0.88	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	4	91	0.89	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	4	93	0.64	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
4	5	1	0.67	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	5	28	0.97	DSI	H02	-0.21	ODSCC TSP AXIAL	In-Service via APC
4	5	29	0.43	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	5	30	0.34	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
4	5	31	0.68	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	5	37	0.27	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	5	43	1.12	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	5	44	0.31	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	5	47	0.69	DSI	H02	-0.09	ODSCC TSP AXIAL	In-Service via APC
4	5	78	1.35	DSI	H02	-0.12	ODSCC TSP AXIAL	Plugged
4	5	84	0.85	DSI	H02	0.15	ODSCC TSP AXIAL	In-Service via APC
4	5	88	1.37	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	6	2	0.73	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	6	13	0.79	DSI	H02	-0.24	ODSCC TSP AXIAL	In-Service via APC
4	6	21	0.37	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
4	6	22	0.36	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	6	23	0.98	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	6	25	0.45	DSI	H02	-0.09	ODSCC TSP AXIAL	In-Service via APC
4	6	32	0.39	DSI	H02	-0.12	ODSCC TSP AXIAL	In-Service via APC
4	6	38	0.86	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	6	39	1.2	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	6	50	0.64	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	6	81	0.85	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	6	87	0.69	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	6	88	0.68	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	6	90	1.01	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
4	6	91	0.93	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	7	18	0.63	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	7	20	0.63	DSI	H02	0.12	ODSCC TSP AXIAL	In-Service via APC
4	7	22	0.77	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
4	7	41	0.71	DSI	H02	-0.18	ODSCC TSP AXIAL	In-Service via APC
4	7	46	0.53	DSI	H02	0	ODSCC TSP AXIAL	Plugged
4	7	48	0.29	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
4	8	2	1.08	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	8	4	0.32	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	8	5	0.77	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
4	8	7	0.33	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
4	8	8	0.3	DSI	H02	-0.09	ODSCC TSP AXIAL	In-Service via APC
4	8	14	0.59	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
4	8	17	0.84	DSI	H02	0.12	ODSCC TSP AXIAL	In-Service via APC
4	8	21	0.99	DSI	H02	-0.18	ODSCC TSP AXIAL	In-Service via APC
4	8	25	0.37	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC

Table 4
Indications

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
4	8	27	0.83	DSI	H02	-0.27	ODSCC TSP AXIAL	In-Service via APC
4	8	29	0.58	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	8	36	0.35	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	8	39	0.72	DSI	H02	-0.18	ODSCC TSP AXIAL	In-Service via APC
4	8	44	0.33	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	8	45	0.78	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	8	77	1.07	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
4	8	80	0.54	DSI	H02	-0.15	ODSCC TSP AXIAL	In-Service via APC
4	8	81	0.62	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	8	84	0.71	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	8	85	1.62	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
4	8	86	0.61	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	8	89	0.87	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	8	90	1.08	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	8	91	0.7	DSI	H02	-0.09	ODSCC TSP AXIAL	In-Service via APC
4	8	92	1.28	DSI	H02	0.21	ODSCC TSP AXIAL	In-Service via APC
4	9	2	1.29	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	9	10	0.37	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	9	16	0.5	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	9	18	0.56	DSI	H02	0.12	ODSCC TSP AXIAL	In-Service via APC
4	9	19	0.85	DSI	H02	0.15	ODSCC TSP AXIAL	In-Service via APC
4	9	21	0.98	DSI	H02	0.12	ODSCC TSP AXIAL	In-Service via APC
4	9	22	1.18	DSI	H02	0.21	ODSCC TSP AXIAL	In-Service via APC
4	9	23	0.74	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	9	28	0.69	DSI	H02	-0.24	ODSCC TSP AXIAL	In-Service via APC
4	9	33	0.15	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	9	36	0.73	DSI	H02	-0.21	ODSCC TSP AXIAL	In-Service via APC
4	9	37	0.97	DSI	H02	-0.21	ODSCC TSP AXIAL	In-Service via APC
4	9	40	0.57	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
4	9	43	0.86	DSI	H02	-0.18	ODSCC TSP AXIAL	In-Service via APC
4	9	89	1.05	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	9	93	0.65	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	10	3	0.85	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	10	12	1.07	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
4	10	20	0.44	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
4	11	75	0.59	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
4	12	2	1.34	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
4	12	18	0.85	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
4	12	20	0.51	DSI	H02	0.25	ODSCC TSP AXIAL	In-Service via APC
4	12	24	0.6	DSI	H02	0.21	ODSCC TSP AXIAL	In-Service via APC
4	12	26	0.35	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	12	31	0.38	DSI	H02	-0.21	ODSCC TSP AXIAL	In-Service via APC
4	12	36	0.67	DSI	H02	0.14	ODSCC TSP AXIAL	In-Service via APC
4	12	37	2.03	DSI	H02	-0.18	ODSCC TSP AXIAL	Plugged
4	12	74	0.27	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	12	75	0.3	DSI	H02	0.11	ODSCC TSP AXIAL	In-Service via APC
4	12	81	1.04	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC

Table 4
Indications

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
4	13	14	0.54	DSI	H02	-0.15	ODSCC TSP AXIAL	In-Service via APC
4	13	17	0.78	DSI	H02	0.21	ODSCC TSP AXIAL	In-Service via APC
4	13	17	0.66	DSI	H02	-0.15	ODSCC TSP AXIAL	In-Service via APC
4	13	29	0.43	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	13	30	0.84	DSI	H02	-0.22	ODSCC TSP AXIAL	In-Service via APC
4	13	31	0.67	DSI	H02	-0.18	ODSCC TSP AXIAL	In-Service via APC
4	13	35	0.81	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
4	13	36	0.21	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	13	39	0.56	DSI	H02	0.12	ODSCC TSP AXIAL	In-Service via APC
4	13	44	0.63	DSI	H02	0.21	ODSCC TSP AXIAL	In-Service via APC
4	13	46	0.47	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	13	59	0.44	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	13	68	0.36	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	13	82	0.65	DSI	H02	-0.11	ODSCC TSP AXIAL	In-Service via APC
4	13	83	0.62	DSI	H02	0.08	ODSCC TSP AXIAL	In-Service via APC
4	13	84	1.28	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	14	13	0.32	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	14	22	1.19	DSI	H02	-0.18	ODSCC TSP AXIAL	In-Service via APC
4	14	23	0.57	DSI	H02	-0.12	ODSCC TSP AXIAL	In-Service via APC
4	14	24	1.31	DSI	H02	-0.21	ODSCC TSP AXIAL	In-Service via APC
4	14	75	0.9	DSI	H02	-0.14	ODSCC TSP AXIAL	In-Service via APC
4	14	77	0.5	DSI	H02	0.11	ODSCC TSP AXIAL	In-Service via APC
4	14	78	0.45	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	14	79	0.95	DSI	H02	-0.17	ODSCC TSP AXIAL	In-Service via APC
4	14	81	0.41	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	14	86	0.96	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
4	14	90	1.32	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	15	4	0.68	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
4	15	38	0.46	DSI	H02	0.18	ODSCC TSP AXIAL	In-Service via APC
4	15	50	0.53	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	15	54	0.4	DSI	H02	0.15	ODSCC TSP AXIAL	In-Service via APC
4	17	9	0.19	DSI	H02	0.12	ODSCC TSP AXIAL	In-Service via APC
4	17	13	0.88	DSI	H02	0.25	ODSCC TSP AXIAL	In-Service via APC
4	17	15	0.96	DSI	H02	-0.12	ODSCC TSP AXIAL	In-Service via APC
4	17	26	1.76	DSI	H02	0.21	ODSCC TSP AXIAL	In-Service via APC
4	17	26	1.37	DSI	H02	-0.18	ODSCC TSP AXIAL	In-Service via APC
4	17	29	1.31	DSI	H02	-0.15	ODSCC TSP AXIAL	Plugged
4	17	30	1.07	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	17	56	0.21	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	17	88	0.53	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	18	14	2.89	DSI	H02	0.09	ODSCC TSP AXIAL	Plugged
4	18	15	0.56	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
4	18	21	0.48	DSI	H02	0.18	ODSCC TSP AXIAL	In-Service via APC
4	18	24	0.58	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
4	18	33	1.11	DSI	H02	0.22	ODSCC TSP AXIAL	In-Service via APC
4	18	37	0.42	DSI	H02	-0.12	ODSCC TSP AXIAL	In-Service via APC
4	18	43	0.93	DSI	H02	-0.15	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
4	18	57	1.16	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
4	18	69	0.5	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
4	19	33	0.4	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
4	19	43	2.39	DSI	H02	-0.15	ODSCC TSP AXIAL	Plugged
4	19	72	0.7	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	19	75	0.3	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	19	76	0.33	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
4	19	77	0.59	DSI	H02	-0.2	ODSCC TSP AXIAL	In-Service via APC
4	19	90	0.47	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	20	12	0.85	DSI	H02	0.12	ODSCC TSP AXIAL	In-Service via APC
4	20	15	0.58	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
4	20	19	0.21	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
4	20	25	0.48	DSI	H02	0.15	ODSCC TSP AXIAL	In-Service via APC
4	20	26	0.74	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	20	29	1.94	DSI	H02	0.22	ODSCC TSP AXIAL	In-Service via APC
4	20	30	1.74	DSI	H02	-0.17	ODSCC TSP AXIAL	In-Service via APC
4	20	30	1.17	DSI	H02	0.26	ODSCC TSP AXIAL	In-Service via APC
4	20	34	1.55	DSI	H02	0.2	ODSCC TSP AXIAL	In-Service via APC
4	20	34	1.29	DSI	H02	-0.23	ODSCC TSP AXIAL	In-Service via APC
4	20	36	0.27	DSI	H02	-0.08	ODSCC TSP AXIAL	In-Service via APC
4	20	43	1.24	DSI	H02	-0.18	ODSCC TSP AXIAL	In-Service via APC
4	20	44	0.69	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	20	46	1.48	DSI	H02	0.24	ODSCC TSP AXIAL	In-Service via APC
4	20	47	1.5	DSI	H02	-0.09	ODSCC TSP AXIAL	Plugged
4	20	48	1.14	DSI	H02	-0.22	ODSCC TSP AXIAL	In-Service via APC
4	20	49	0.43	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	20	53	0.34	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	20	55	0.77	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	20	56	0.46	DSI	H02	0.12	ODSCC TSP AXIAL	In-Service via APC
4	20	57	0.38	DSI	H02	0.06	ODSCC TSP AXIAL	Plugged
4	20	58	0.94	DSI	H02	0.27	ODSCC TSP AXIAL	In-Service via APC
4	20	64	0.66	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	20	66	0.34	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	20	69	0.48	DSI	H02	0.06	ODSCC TSP AXIAL	Plugged
4	20	70	1.03	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	21	21	0.75	DSI	H02	0.18	ODSCC TSP AXIAL	In-Service via APC
4	21	23	0.86	DSI	H02	-0.22	ODSCC TSP AXIAL	In-Service via APC
4	21	39	2.24	DSI	H02	0	ODSCC TSP AXIAL	Plugged
4	21	48	1.28	DSI	H02	-0.15	ODSCC TSP AXIAL	In-Service via APC
4	21	51	0.52	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
4	21	60	0.39	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	22	8	0.7	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
4	22	14	1.32	DSI	H02	0.22	ODSCC TSP AXIAL	In-Service via APC
4	22	18	0.49	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
4	22	23	0.68	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
4	22	25	0.5	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
4	22	33	1.75	DSI	H02	-0.14	ODSCC TSP AXIAL	In-Service via APC

Table 4
Indications

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
4	22	37	0.5	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	22	41	2.23	DSI	H02	-0.21	ODSCC TSP AXIAL	Plugged
4	22	45	0.71	DSI	H02	0.15	ODSCC TSP AXIAL	In-Service via APC
4	22	46	0.7	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
4	22	47	1.1	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
4	22	67	0.77	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	22	71	0.28	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
4	23	41	0.98	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	23	43	0.43	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	23	54	0.61	DSI	H02	-0.16	ODSCC TSP AXIAL	Plugged
4	23	56	0.31	DSI	H02	-0.09	ODSCC TSP AXIAL	In-Service via APC
4	23	60	0.68	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	23	61	0.31	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
4	23	63	0.18	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
4	23	65	0.75	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	23	66	0.41	DSI	H02	-0.03	ODSCC TSP AXIAL	Plugged
4	23	67	0.56	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
4	23	69	1.03	DSI	H02	0.22	ODSCC TSP AXIAL	In-Service via APC
4	23	70	0.54	DSI	H02	0.03	ODSCC TSP AXIAL	Plugged
4	23	71	0.83	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	23	73	0.81	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	23	75	0.84	DSI	H02	-0.08	ODSCC TSP AXIAL	In-Service via APC
4	23	86	0.56	DSI	H02	-0.14	ODSCC TSP AXIAL	In-Service via APC
4	23	88	0.64	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	24	10	0.49	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	24	52	0.68	DSI	H02	0.21	ODSCC TSP AXIAL	In-Service via APC
4	24	56	0.52	DSI	H02	-0.18	ODSCC TSP AXIAL	In-Service via APC
4	24	62	0.45	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
4	25	20	0.69	DSI	H02	-0.22	ODSCC TSP AXIAL	In-Service via APC
4	25	22	0.78	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
4	25	41	0.95	DSI	H02	0.12	ODSCC TSP AXIAL	In-Service via APC
4	25	49	0.89	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
4	25	53	0.38	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
4	25	54	0.39	DSI	H02	-0.12	ODSCC TSP AXIAL	In-Service via APC
4	25	56	0.22	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
4	25	57	0.82	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
4	25	58	1.03	DSI	H02	0.19	ODSCC TSP AXIAL	In-Service via APC
4	25	60	1.19	DSI	H02	-0.12	ODSCC TSP AXIAL	In-Service via APC
4	25	75	0.83	DSI	H02	-0.11	ODSCC TSP AXIAL	In-Service via APC
4	25	80	1	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	26	14	0.93	DSI	H02	-0.21	ODSCC TSP AXIAL	In-Service via APC
4	26	19	0.8	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
4	26	20	0.49	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	26	24	0.5	DSI	H02	0.12	ODSCC TSP AXIAL	In-Service via APC
4	26	29	0.56	DSI	H02	0.12	ODSCC TSP AXIAL	In-Service via APC
4	26	31	0.78	DSI	H02	0.18	ODSCC TSP AXIAL	In-Service via APC
4	26	43	0.6	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
4	26	58	0.98	DSI	H02	-0.19	ODSCC TSP AXIAL	In-Service via APC
4	26	65	0.68	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	26	66	0.66	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	26	73	1.4	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	26	83	0.53	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	27	14	0.72	DSI	H02	0.18	ODSCC TSP AXIAL	In-Service via APC
4	27	15	1.2	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
4	27	17	0.3	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
4	27	18	0.47	DSI	H02	0.25	ODSCC TSP AXIAL	In-Service via APC
4	27	26	1.15	DSI	H02	-0.19	ODSCC TSP AXIAL	In-Service via APC
4	27	27	1.3	DSI	H02	0.15	ODSCC TSP AXIAL	In-Service via APC
4	27	40	0.67	DSI	H02	-0.09	ODSCC TSP AXIAL	In-Service via APC
4	27	51	0.53	DSI	H02	-0.15	ODSCC TSP AXIAL	In-Service via APC
4	27	63	0.63	DSI	H02	-0.09	ODSCC TSP AXIAL	In-Service via APC
4	27	65	0.43	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	27	66	0.56	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
4	27	67	0.47	DSI	H02	-0.09	ODSCC TSP AXIAL	In-Service via APC
4	27	72	0.59	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	27	74	0.79	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	27	75	0.91	DSI	H02	0.14	ODSCC TSP AXIAL	In-Service via APC
4	27	76	0.26	DSI	H02	0.03	ODSCC TSP AXIAL	Plugged
4	27	77	0.93	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
4	27	78	0.85	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	27	79	0.77	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
4	27	80	0.59	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	27	81	1.29	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
4	27	83	0.96	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
4	27	84	1.03	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	28	11	0.95	DSI	H02	0.08	ODSCC TSP AXIAL	In-Service via APC
4	28	17	0.35	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
4	28	25	1.47	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	28	30	2.04	DSI	H02	-0.03	ODSCC TSP AXIAL	Plugged
4	28	35	1.34	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
4	28	37	0.44	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	28	40	0.72	DSI	H02	0.15	ODSCC TSP AXIAL	In-Service via APC
4	28	47	0.57	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
4	28	52	0.87	DSI	H02	0.21	ODSCC TSP AXIAL	In-Service via APC
4	28	55	0.58	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	28	58	0.66	DSI	H02	-0.09	ODSCC TSP AXIAL	In-Service via APC
4	28	62	0.52	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
4	28	63	0.73	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	28	64	0.48	DSI	H02	-0.08	ODSCC TSP AXIAL	In-Service via APC
4	28	66	0.96	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	28	68	0.5	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
4	28	70	0.66	DSI	H02	0.14	ODSCC TSP AXIAL	In-Service via APC
4	28	71	1.5	DSI	H02	0.05	ODSCC TSP AXIAL	In-Service via APC
4	28	72	1.04	DSI	H02	0.19	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
4	28	74	0.3	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
4	28	75	1.03	DSI	H02	0.11	ODSCC TSP AXIAL	In-Service via APC
4	28	76	0.49	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
4	28	77	0.39	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	28	78	0.39	DSI	H02	0.14	ODSCC TSP AXIAL	In-Service via APC
4	28	79	1.02	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
4	28	80	0.42	DSI	H02	0.11	ODSCC TSP AXIAL	In-Service via APC
4	28	81	0.56	DSI	H02	-0.08	ODSCC TSP AXIAL	In-Service via APC
4	28	82	1.03	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
4	28	83	0.83	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	28	85	0.7	DSI	H02	-0.14	ODSCC TSP AXIAL	In-Service via APC
4	29	19	1	DSI	H02	-0.15	ODSCC TSP AXIAL	In-Service via APC
4	29	26	1.75	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	29	27	0.42	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
4	29	28	0.35	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	29	30	2.07	DSI	H02	-0.14	ODSCC TSP AXIAL	Plugged
4	29	30	0.94	DSI	H02	0.23	ODSCC TSP AXIAL	Plugged
4	29	33	0.43	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
4	29	35	0.38	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
4	29	38	0.38	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	29	39	0.53	DSI	H02	0.15	ODSCC TSP AXIAL	In-Service via APC
4	29	42	1.28	DSI	H02	-0.09	ODSCC TSP AXIAL	In-Service via APC
4	29	43	1.32	DSI	H02	-0.12	ODSCC TSP AXIAL	In-Service via APC
4	29	46	0.52	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	29	50	1.2	DSI	H02	0.21	ODSCC TSP AXIAL	In-Service via APC
4	29	56	0.93	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
4	29	60	0.96	DSI	H02	-0.17	ODSCC TSP AXIAL	In-Service via APC
4	30	15	0.27	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
4	30	18	0.41	DSI	H02	0.12	ODSCC TSP AXIAL	In-Service via APC
4	30	21	0.93	DSI	H02	0.18	ODSCC TSP AXIAL	In-Service via APC
4	30	25	0.47	DSI	H02	0.21	ODSCC TSP AXIAL	In-Service via APC
4	30	54	0.46	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	30	81	0.68	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	31	34	0.81	DSI	H02	-0.09	ODSCC TSP AXIAL	In-Service via APC
4	31	40	0.42	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
4	31	42	0.92	DSI	H02	0.22	ODSCC TSP AXIAL	In-Service via APC
4	31	44	0.68	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	31	55	0.63	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
4	31	58	1.28	DSI	H02	0.17	ODSCC TSP AXIAL	In-Service via APC
4	31	59	0.62	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
4	31	71	1.03	DSI	H02	0.05	ODSCC TSP AXIAL	In-Service via APC
4	31	72	0.93	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	32	20	0.25	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	32	49	0.83	DSI	H02	0.11	ODSCC TSP AXIAL	In-Service via APC
4	32	61	0.61	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
4	32	62	0.9	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
4	32	63	1.23	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
4	32	64	0.98	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
4	32	65	0.56	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
4	32	67	1.27	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
4	32	68	0.79	DSI	H02	-0.19	ODSCC TSP AXIAL	In-Service via APC
4	32	69	0.61	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
4	32	70	0.95	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	32	73	0.7	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	32	75	0.4	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
4	33	21	0.42	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
4	33	51	0.73	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
4	33	59	0.61	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
4	33	65	1.17	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
4	33	67	0.71	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	34	25	0.74	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
4	34	30	0.56	DSI	H02	0.12	ODSCC TSP AXIAL	In-Service via APC
4	34	32	0.42	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
4	34	33	0.57	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
4	34	44	0.7	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	34	49	0.92	DSI	H02	0.2	ODSCC TSP AXIAL	In-Service via APC
4	34	58	0.67	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
4	34	59	0.63	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
4	34	64	0.76	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	34	65	0.67	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
4	34	68	0.74	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	34	69	0.34	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
4	34	71	0.96	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
4	34	77	0.44	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	35	35	0.31	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	35	39	0.41	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
4	35	62	0.43	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	35	66	0.6	DSI	H02	0.18	ODSCC TSP AXIAL	In-Service via APC
4	35	69	1.35	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
4	35	72	0.35	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
4	35	73	0.81	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
4	36	44	0.63	DSI	H02	0.2	ODSCC TSP AXIAL	In-Service via APC
4	36	46	0.31	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	36	48	0.75	DSI	H02	-0.09	ODSCC TSP AXIAL	In-Service via APC
4	36	50	0.6	DSI	H02	-0.2	ODSCC TSP AXIAL	In-Service via APC
4	36	52	0.77	DSI	H02	0.17	ODSCC TSP AXIAL	In-Service via APC
4	36	56	0.6	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
4	36	57	0.48	DSI	H02	0.12	ODSCC TSP AXIAL	In-Service via APC
4	36	60	0.42	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	36	62	1.07	DSI	H02	-0.09	ODSCC TSP AXIAL	In-Service via APC
4	36	63	0.78	DSI	H02	0.12	ODSCC TSP AXIAL	In-Service via APC
4	36	64	0.72	DSI	H02	0.14	ODSCC TSP AXIAL	In-Service via APC
4	36	65	0.5	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	36	68	0.51	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
4	36	72	0.48	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	37	35	0.6	DSI	H02	0.12	ODSCC TSP AXIAL	In-Service via APC
4	37	45	0.41	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	37	46	0.37	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	37	47	0.29	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	37	51	0.63	DSI	H02	0.11	ODSCC TSP AXIAL	In-Service via APC
4	37	65	0.35	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	37	73	0.65	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
4	38	25	0.55	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
4	38	26	0.57	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	38	30	1	DSI	H02	0.17	ODSCC TSP AXIAL	In-Service via APC
4	38	32	0.69	DSI	H02	0.17	ODSCC TSP AXIAL	In-Service via APC
4	38	33	0.39	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
4	38	34	0.7	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
4	38	48	0.43	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
4	38	49	0.79	DSI	H02	0.11	ODSCC TSP AXIAL	In-Service via APC
4	38	55	0.54	DSI	H02	-0.09	ODSCC TSP AXIAL	In-Service via APC
4	38	57	1.04	DSI	H02	-0.12	ODSCC TSP AXIAL	In-Service via APC
4	38	72	0.84	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	39	44	0.58	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
4	39	45	0.53	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
4	39	47	0.41	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	39	49	0.95	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
4	39	50	0.61	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
4	39	58	0.38	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
4	39	64	0.61	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
4	39	67	0.32	DSI	H02	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	39	71	0.62	DSI	H02	0	ODSCC TSP AXIAL	In-Service via APC
4	40	33	0.59	DSI	H02	0.18	ODSCC TSP AXIAL	In-Service via APC
4	40	56	0.63	DSI	H02	-0.12	ODSCC TSP AXIAL	In-Service via APC
4	40	69	0.58	DSI	H02	0.06	ODSCC TSP AXIAL	In-Service via APC
4	41	52	1.01	DSI	H02	0.09	ODSCC TSP AXIAL	In-Service via APC
4	41	58	0.47	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
4	41	66	0.42	DSI	H02	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	42	38	0.45	DSI	H02	0.03	ODSCC TSP AXIAL	In-Service via APC
1	2	1	0.54	DSI	H03	-0.06	ODSCC TSP AXIAL	In-Service via APC
1	2	7	0.65	DSI	H03	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	2	12	0.2	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
1	3	30	0.61	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
1	4	8	0.38	DSI	H03	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	4	9	0.3	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
1	4	40	0.29	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
1	5	3	0.66	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
1	5	24	0.44	DSI	H03	-0.12	ODSCC TSP AXIAL	In-Service via APC
1	5	35	0.77	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
1	5	54	0.73	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
1	5	56	0.91	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC

SQN Unit 2 Cycle 16
180- Day Report
Table 4
Indications

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
1	5	72	0.48	DSI	H03	-0.06	ODSCC TSP AXIAL	In-Service via APC
1	5	93	0.42	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
1	6	1	0.64	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
1	6	2	0.79	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
1	6	19	1.07	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
1	6	24	0.25	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
1	6	35	0.55	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
1	6	94	0.92	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
1	7	65	0.8	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
1	8	3	1.1	DSI	H03	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	9	3	0.83	DSI	H03	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	9	43	0.6	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
1	9	44	0.38	DSI	H03	0.09	ODSCC TSP AXIAL	In-Service via APC
1	10	70	1.18	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
1	10	77	0.86	DSI	H03	0.22	ODSCC TSP AXIAL	In-Service via APC
1	12	3	0.59	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
1	13	54	0.59	DSI	H03	0.3	ODSCC TSP AXIAL	In-Service via APC
1	14	4	0.46	DSI	H03	-0.05	ODSCC TSP AXIAL	In-Service via APC
1	15	14	0.2	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
1	17	4	1.41	DSI	H03	0.05	ODSCC TSP AXIAL	In-Service via APC
1	18	7	0.39	DSI	H03	0.11	ODSCC TSP AXIAL	In-Service via APC
1	19	77	0.41	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
1	21	76	0.41	DSI	H03	0.11	ODSCC TSP AXIAL	In-Service via APC
1	21	83	0.39	DSI	H03	-0.06	ODSCC TSP AXIAL	In-Service via APC
1	22	11	1.43	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
1	23	10	1.35	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
1	23	14	0.51	DSI	H03	0.14	ODSCC TSP AXIAL	In-Service via APC
1	23	48	0.32	DSI	H03	0.08	ODSCC TSP AXIAL	In-Service via APC
1	23	64	0.7	DSI	H03	0.11	ODSCC TSP AXIAL	In-Service via APC
1	24	21	0.83	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
1	24	73	0.73	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
1	25	8	0.81	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
1	25	12	0.45	DSI	H03	0.11	ODSCC TSP AXIAL	In-Service via APC
1	25	32	0.84	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
1	26	68	0.85	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
1	26	86	0.35	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
1	27	12	0.84	DSI	H03	0.08	ODSCC TSP AXIAL	In-Service via APC
1	27	14	0.49	DSI	H03	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	27	19	0.49	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
1	27	25	0.42	DSI	H03	0.11	ODSCC TSP AXIAL	In-Service via APC
1	27	31	0.53	DSI	H03	0.14	ODSCC TSP AXIAL	In-Service via APC
1	27	55	0.68	DSI	H03	0.11	ODSCC TSP AXIAL	In-Service via APC
1	27	77	0.39	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
1	28	21	0.39	DSI	H03	0.08	ODSCC TSP AXIAL	In-Service via APC
1	28	22	0.27	DSI	H03	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	29	56	0.66	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
1	30	19	0.84	DSI	H03	0.11	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
1	30	50	1.04	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
1	30	75	0.82	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
1	30	82	0.56	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
1	31	19	0.62	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
1	31	62	0.37	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
1	31	64	0.5	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
1	32	40	0.31	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
1	32	53	0.73	DSI	H03	-0.08	ODSCC TSP AXIAL	In-Service via APC
1	32	59	0.56	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
1	32	63	0.41	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
1	32	71	0.68	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
1	32	74	1.25	DSI	H03	0.08	ODSCC TSP AXIAL	In-Service via APC
1	33	67	0.59	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
1	34	23	0.63	DSI	H03	0.08	ODSCC TSP AXIAL	In-Service via APC
1	34	30	0.19	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
1	35	17	0.73	DSI	H03	0.19	ODSCC TSP AXIAL	In-Service via APC
1	35	19	0.75	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
1	35	22	0.87	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
1	35	30	0.78	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
1	35	32	0.45	DSI	H03	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	35	33	0.59	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
1	35	45	0.26	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
1	36	21	1.16	DSI	H03	0.08	ODSCC TSP AXIAL	In-Service via APC
1	36	62	0.9	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
1	37	23	0.23	DSI	H03	0.08	ODSCC TSP AXIAL	In-Service via APC
1	37	61	0.5	DSI	H03	0.08	ODSCC TSP AXIAL	In-Service via APC
1	38	53	0.66	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
1	38	64	0.52	DSI	H03	0.08	ODSCC TSP AXIAL	In-Service via APC
1	39	30	0.46	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
1	39	70	0.37	DSI	H03	0.08	ODSCC TSP AXIAL	In-Service via APC
1	40	36	0.66	DSI	H03	-0.06	ODSCC TSP AXIAL	In-Service via APC
1	40	48	1.15	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
1	40	51	1.02	DSI	H03	-0.11	ODSCC TSP AXIAL	In-Service via APC
1	40	70	0.76	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
1	41	32	0.28	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
1	44	40	0.64	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
1	44	56	1.34	DSI	H03	-0.06	ODSCC TSP AXIAL	In-Service via APC
1	45	44	1.19	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
1	45	47	1.19	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
1	45	54	0.33	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
1	45	55	0.25	DSI	H03	-0.06	ODSCC TSP AXIAL	In-Service via APC
1	46	41	0.62	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
1	46	50	0.83	DSI	H03	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	2	88	0.45	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
2	2	94	0.72	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
2	3	72	0.68	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
2	3	86	0.5	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
2	3	91	0.67	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
2	4	92	0.34	DSI	H03	-0.06	ODSCC TSP AXIAL	In-Service via APC
2	5	50	0.24	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
2	5	88	0.59	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
2	7	32	0.86	DSI	H03	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	8	34	0.22	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
2	8	70	0.29	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
2	11	67	1.21	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
2	11	72	0.85	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
2	12	78	0.97	DSI	H03	-0.06	ODSCC TSP AXIAL	In-Service via APC
2	13	78	0.45	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
2	16	27	0.61	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
2	16	33	0.55	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
2	16	80	0.45	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
2	17	86	0.42	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
2	20	10	0.42	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
2	20	22	0.19	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
2	20	33	0.71	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
2	20	66	0.78	DSI	H03	0.09	ODSCC TSP AXIAL	In-Service via APC
2	23	70	0.48	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
2	23	74	0.36	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
2	24	43	1.1	DSI	H03	0.12	ODSCC TSP AXIAL	In-Service via APC
2	25	56	0.8	DSI	H03	0.2	ODSCC TSP AXIAL	In-Service via APC
2	25	66	0.76	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
2	25	68	0.51	DSI	H03	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	26	59	0.44	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
2	28	66	0.46	DSI	H03	0.09	ODSCC TSP AXIAL	In-Service via APC
2	28	73	0.94	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
2	29	61	0.47	DSI	H03	0.09	ODSCC TSP AXIAL	In-Service via APC
2	30	45	0.55	DSI	H03	-0.06	ODSCC TSP AXIAL	In-Service via APC
2	30	77	0.51	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
2	31	43	0.79	DSI	H03	-0.06	ODSCC TSP AXIAL	In-Service via APC
2	31	45	0.36	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
2	31	67	0.48	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
2	33	52	0.6	DSI	H03	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	35	58	0.34	DSI	H03	-0.06	ODSCC TSP AXIAL	In-Service via APC
2	35	61	0.5	DSI	H03	0.09	ODSCC TSP AXIAL	In-Service via APC
2	35	72	0.31	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
2	36	64	0.61	DSI	H03	0.09	ODSCC TSP AXIAL	In-Service via APC
2	37	63	0.25	SAI	H03	0.18	ODSCC TSP AXIAL	Plugged
2	38	32	0.87	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
2	38	33	0.75	DSI	H03	0.12	ODSCC TSP AXIAL	In-Service via APC
2	38	45	0.89	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
2	38	54	0.38	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
2	38	60	0.64	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
2	40	40	0.72	DSI	H03	0.18	ODSCC TSP AXIAL	In-Service via APC
2	40	41	1.15	DSI	H03	-0.15	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
2	41	36	0.26	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
2	41	43	0.65	DSI	H03	0.15	ODSCC TSP AXIAL	In-Service via APC
2	41	54	1.05	DSI	H03	0.09	ODSCC TSP AXIAL	In-Service via APC
2	41	55	0.88	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
2	42	43	0.65	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
2	43	43	0.37	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
2	43	44	0.5	DSI	H03	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	43	52	0.4	DSI	H03	0.12	ODSCC TSP AXIAL	In-Service via APC
2	43	54	0.51	DSI	H03	-0.06	ODSCC TSP AXIAL	In-Service via APC
2	43	56	0.32	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
2	44	35	0.96	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
2	45	39	0.37	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
2	45	49	0.17	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
3	1	76	0.54	DSI	H03	0.12	ODSCC TSP AXIAL	In-Service via APC
3	1	79	1.5	DSI	H03	0.12	ODSCC TSP AXIAL	In-Service via APC
3	1	84	0.92	DSI	H03	-0.09	ODSCC TSP AXIAL	In-Service via APC
3	2	25	0.69	DSI	H03	-0.06	ODSCC TSP AXIAL	In-Service via APC
3	2	31	0.54	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
3	2	39	0.89	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
3	3	2	0.75	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
3	3	16	0.83	DSI	H03	0.12	ODSCC TSP AXIAL	In-Service via APC
3	4	30	0.8	DSI	H03	-0.12	ODSCC TSP AXIAL	In-Service via APC
3	5	4	0.78	DSI	H03	-0.06	ODSCC TSP AXIAL	Plugged
3	5	5	0.35	DSI	H03	-0.12	ODSCC TSP AXIAL	In-Service via APC
3	5	8	0.3	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
3	5	91	0.46	DSI	H03	0.12	ODSCC TSP AXIAL	In-Service via APC
3	6	33	0.32	DSI	H03	-0.21	ODSCC TSP AXIAL	In-Service via APC
3	6	38	0.64	DSI	H03	-0.15	ODSCC TSP AXIAL	In-Service via APC
3	6	79	0.18	DSI	H03	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	7	6	0.53	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
3	7	19	0.83	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
3	7	25	0.36	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
3	7	35	0.38	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
3	7	61	0.44	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
3	7	71	0.66	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
3	7	92	1.23	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
3	7	93	1.17	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
3	7	94	0.54	DSI	H03	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	8	6	0.62	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
3	8	7	1.18	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
3	8	18	0.83	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
3	8	22	0.83	DSI	H03	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	8	24	0.81	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
3	8	70	0.72	DSI	H03	-0.06	ODSCC TSP AXIAL	In-Service via APC
3	9	10	0.67	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
3	9	15	1.02	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
3	9	23	0.81	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
3	10	6	0.41	DSI	H03	0.09	ODSCC TSP AXIAL	In-Service via APC
3	11	5	0.56	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
3	11	6	0.82	DSI	H03	0.12	ODSCC TSP AXIAL	In-Service via APC
3	11	16	0.48	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
3	12	35	0.92	DSI	H03	0.12	ODSCC TSP AXIAL	In-Service via APC
3	13	5	0.4	DSI	H03	0.09	ODSCC TSP AXIAL	In-Service via APC
3	13	7	0.59	DSI	H03	0.09	ODSCC TSP AXIAL	In-Service via APC
3	13	11	0.54	DSI	H03	0.09	ODSCC TSP AXIAL	In-Service via APC
3	13	29	0.53	DSI	H03	-0.09	ODSCC TSP AXIAL	In-Service via APC
3	14	3	0.57	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
3	14	4	0.7	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
3	14	5	0.5	DSI	H03	0.09	ODSCC TSP AXIAL	In-Service via APC
3	14	6	0.53	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
3	14	11	0.57	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
3	14	15	0.85	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
3	14	39	0.69	DSI	H03	0	ODSCC TSP AXIAL	Plugged
3	14	79	0.25	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
3	15	3	0.86	DSI	H03	0.09	ODSCC TSP AXIAL	In-Service via APC
3	15	7	0.67	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
3	15	33	0.95	DSI	H03	0.15	ODSCC TSP AXIAL	In-Service via APC
3	15	35	1.49	DSI	H03	0.09	ODSCC TSP AXIAL	In-Service via APC
3	15	61	0.79	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
3	16	25	0.68	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
3	17	47	0.67	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
3	18	35	0.64	DSI	H03	0.15	ODSCC TSP AXIAL	In-Service via APC
3	18	81	0.39	DSI	H03	0.15	ODSCC TSP AXIAL	In-Service via APC
3	19	5	0.85	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
3	19	13	0.91	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
3	20	29	0.37	DSI	H03	0.12	ODSCC TSP AXIAL	In-Service via APC
3	20	31	0.53	DSI	H03	0.18	ODSCC TSP AXIAL	In-Service via APC
3	20	68	0.39	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
3	20	71	0.83	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
3	20	80	1.07	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
3	20	85	0.41	DSI	H03	0.12	ODSCC TSP AXIAL	In-Service via APC
3	21	20	0.87	DSI	H03	0.12	ODSCC TSP AXIAL	In-Service via APC
3	21	81	0.4	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
3	21	89	0.94	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
3	22	15	0.41	DSI	H03	0.09	ODSCC TSP AXIAL	In-Service via APC
3	22	61	1.47	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
3	23	14	0.68	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
3	23	34	0.75	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
3	23	75	0.22	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
3	24	21	1.52	DSI	H03	0.15	ODSCC TSP AXIAL	In-Service via APC
3	24	23	0.79	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
3	24	29	0.62	DSI	H03	-0.06	ODSCC TSP AXIAL	In-Service via APC
3	25	18	0.76	DSI	H03	0.12	ODSCC TSP AXIAL	In-Service via APC
3	25	23	0.76	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
3	25	30	0.71	DSI	H03	0.12	ODSCC TSP AXIAL	In-Service via APC
3	25	33	1.25	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
3	25	49	0.39	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
3	26	11	1.02	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
3	26	12	0.91	DSI	H03	0.36	ODSCC TSP AXIAL	In-Service via APC
3	26	25	0.53	DSI	H03	0.09	ODSCC TSP AXIAL	In-Service via APC
3	26	28	1.14	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
3	26	29	0.53	DSI	H03	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	27	18	0.53	DSI	H03	0.09	ODSCC TSP AXIAL	In-Service via APC
3	27	26	0.52	DSI	H03	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	27	63	1.31	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
3	28	27	1.01	DSI	H03	0.09	ODSCC TSP AXIAL	In-Service via APC
3	28	50	0.46	DSI	H03	0.09	ODSCC TSP AXIAL	In-Service via APC
3	28	82	0.42	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
3	29	15	0.59	DSI	H03	0.09	ODSCC TSP AXIAL	In-Service via APC
3	29	30	0.31	DSI	H03	0.12	ODSCC TSP AXIAL	In-Service via APC
3	29	50	0.63	DSI	H03	0.12	ODSCC TSP AXIAL	In-Service via APC
3	30	13	0.59	DSI	H03	0.12	ODSCC TSP AXIAL	In-Service via APC
3	30	16	0.45	DSI	H03	0.15	ODSCC TSP AXIAL	In-Service via APC
3	30	33	1.28	DSI	H03	0.21	ODSCC TSP AXIAL	In-Service via APC
3	30	42	0.58	DSI	H03	0.09	ODSCC TSP AXIAL	In-Service via APC
3	30	46	1.22	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
3	30	50	0.43	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
3	31	14	0.58	DSI	H03	0.24	ODSCC TSP AXIAL	In-Service via APC
3	31	15	0.34	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
3	31	17	0.83	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
3	31	26	0.8	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
3	31	76	0.41	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
3	32	34	1.27	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
3	32	42	0.85	DSI	H03	-0.18	ODSCC TSP AXIAL	In-Service via APC
3	32	57	0.57	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
3	32	76	0.32	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
3	33	31	0.67	DSI	H03	0.21	ODSCC TSP AXIAL	In-Service via APC
3	33	36	0.73	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
3	33	49	0.77	DSI	H03	0.09	ODSCC TSP AXIAL	In-Service via APC
3	34	19	0.81	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
3	34	25	0.48	DSI	H03	0.12	ODSCC TSP AXIAL	In-Service via APC
3	34	27	0.8	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
3	34	29	0.48	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
3	34	36	0.79	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
3	34	61	1.09	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
3	34	72	1.07	DSI	H03	-0.12	ODSCC TSP AXIAL	In-Service via APC
3	35	21	0.35	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
3	35	24	0.38	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
3	35	43	0.76	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
3	35	44	0.4	DSI	H03	0.09	ODSCC TSP AXIAL	In-Service via APC
3	35	47	0.71	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
3	36	28	0.84	DSI	H03	0.09	ODSCC TSP AXIAL	In-Service via APC
3	36	31	1.07	DSI	H03	0.12	ODSCC TSP AXIAL	In-Service via APC
3	36	33	1.28	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
3	36	48	0.59	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
3	36	53	0.6	DSI	H03	0.09	ODSCC TSP AXIAL	In-Service via APC
3	36	63	0.24	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
3	36	74	0.34	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
3	37	28	0.5	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
3	37	31	1.06	DSI	H03	0.12	ODSCC TSP AXIAL	In-Service via APC
3	37	42	0.76	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
3	37	43	0.3	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
3	37	76	0.3	DSI	H03	0.09	ODSCC TSP AXIAL	In-Service via APC
3	38	25	1.17	DSI	H03	0.06	ODSCC TSP AXIAL	Plugged
3	38	32	0.99	DSI	H03	0.21	ODSCC TSP AXIAL	In-Service via APC
3	38	36	0.67	DSI	H03	0.12	ODSCC TSP AXIAL	In-Service via APC
3	38	40	1.11	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
3	38	42	0.97	DSI	H03	0.15	ODSCC TSP AXIAL	In-Service via APC
3	38	44	0.66	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
3	38	58	0.72	DSI	H03	0.03	ODSCC TSP AXIAL	Plugged
3	39	28	0.88	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
3	40	24	0.68	DSI	H03	0.09	ODSCC TSP AXIAL	In-Service via APC
3	40	25	0.74	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
3	40	27	1.02	DSI	H03	0.24	ODSCC TSP AXIAL	In-Service via APC
3	40	41	0.46	DSI	H03	0.09	ODSCC TSP AXIAL	In-Service via APC
3	40	60	0.69	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
3	40	62	0.45	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
3	41	30	0.48	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
3	41	59	0.45	DSI	H03	0.09	ODSCC TSP AXIAL	In-Service via APC
3	42	52	0.53	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
3	43	54	0.99	DSI	H03	0.09	ODSCC TSP AXIAL	In-Service via APC
3	44	58	0.86	DSI	H03	0.18	ODSCC TSP AXIAL	In-Service via APC
3	46	52	0.45	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	2	9	0.92	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
4	2	14	0.86	DSI	H03	-0.09	ODSCC TSP AXIAL	In-Service via APC
4	2	15	0.91	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	2	38	0.86	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	2	55	0.48	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
4	2	56	0.5	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
4	2	57	0.38	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	2	86	0.25	DSI	H03	-0.09	ODSCC TSP AXIAL	In-Service via APC
4	2	88	0.84	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
4	3	25	0.87	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
4	3	28	0.95	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
4	3	32	0.25	DSI	H03	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	4	8	0.48	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	4	13	0.29	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	4	14	0.26	DSI	H03	-0.06	ODSCC TSP AXIAL	In-Service via APC

SQN Unit 2 Cycle 16
180- Day Report
Table 4
Indications

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
4	4	27	0.51	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	4	28	0.54	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	4	30	0.49	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	4	74	0.95	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	4	77	0.52	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	4	84	0.69	DSI	H03	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	4	86	0.98	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	4	87	0.88	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	4	88	0.43	DSI	H03	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	4	89	1.14	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	4	90	0.86	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	4	92	1.06	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	5	32	0.56	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	5	43	0.49	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
4	5	46	0.56	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	5	75	0.53	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
4	5	84	0.25	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
4	5	91	0.68	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
4	5	92	0.6	DSI	H03	0.09	ODSCC TSP AXIAL	In-Service via APC
4	6	7	0.38	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
4	6	13	0.17	DSI	H03	0.09	ODSCC TSP AXIAL	In-Service via APC
4	6	21	0.58	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
4	6	87	0.35	DSI	H03	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	6	88	0.84	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	6	90	0.7	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
4	6	94	0.49	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	7	22	0.4	DSI	H03	-0.12	ODSCC TSP AXIAL	In-Service via APC
4	7	33	0.32	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	7	61	0.7	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	8	6	0.4	DSI	H03	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	8	12	0.84	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	8	16	0.32	DSI	H03	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	8	18	0.21	DSI	H03	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	8	25	0.41	DSI	H03	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	8	27	0.92	DSI	H03	-0.24	ODSCC TSP AXIAL	In-Service via APC
4	8	31	0.54	DSI	H03	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	8	36	0.66	DSI	H03	-0.09	ODSCC TSP AXIAL	In-Service via APC
4	8	39	0.36	DSI	H03	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	8	42	0.65	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	8	44	0.35	DSI	H03	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	8	45	0.37	DSI	H03	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	8	48	1.04	DSI	H03	-0.12	ODSCC TSP AXIAL	In-Service via APC
4	8	50	0.2	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	8	56	0.27	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	8	67	0.36	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
4	8	73	0.92	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
4	8	76	0.32	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
4	8	78	0.61	DSI	H03	-0.12	ODSCC TSP AXIAL	In-Service via APC
4	8	89	0.86	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	8	91	0.82	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	8	92	0.54	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
4	8	93	0.66	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	9	11	0.5	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	9	16	0.37	DSI	H03	0.09	ODSCC TSP AXIAL	In-Service via APC
4	9	29	0.24	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
4	9	47	0.63	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	9	48	0.71	DSI	H03	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	9	64	0.45	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	10	42	0.57	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
4	10	68	0.51	DSI	H03	0.11	ODSCC TSP AXIAL	In-Service via APC
4	11	67	0.19	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
4	11	69	0.32	DSI	H03	0.08	ODSCC TSP AXIAL	In-Service via APC
4	12	10	0.78	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
4	12	11	0.36	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	12	25	0.62	DSI	H03	-0.12	ODSCC TSP AXIAL	In-Service via APC
4	12	31	0.61	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	12	32	0.19	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
4	12	40	0.59	DSI	H03	-0.15	ODSCC TSP AXIAL	In-Service via APC
4	12	41	0.55	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	12	43	0.76	DSI	H03	0.09	ODSCC TSP AXIAL	Plugged
4	12	81	0.61	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	13	17	0.28	DSI	H03	0.09	ODSCC TSP AXIAL	In-Service via APC
4	13	41	1.53	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
4	13	43	0.35	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
4	13	46	0.41	DSI	H03	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	13	49	0.38	DSI	H03	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	13	50	1.13	DSI	H03	-0.12	ODSCC TSP AXIAL	In-Service via APC
4	13	81	0.55	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
4	13	86	1.37	DSI	H03	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	14	88	0.9	DSI	H03	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	15	48	0.79	DSI	H03	-0.09	ODSCC TSP AXIAL	In-Service via APC
4	15	65	0.53	DSI	H03	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	16	80	0.91	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
4	17	27	0.33	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
4	18	15	0.54	DSI	H03	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	18	16	0.5	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
4	18	32	0.61	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
4	18	36	1.2	DSI	H03	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	18	38	0.34	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
4	19	81	0.79	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
4	19	87	0.12	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	19	89	0.4	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
4	20	31	0.41	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	20	39	0.51	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
4	20	44	0.74	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	20	46	1.23	DSI	H03	0.12	ODSCC TSP AXIAL	In-Service via APC
4	20	47	0.61	DSI	H03	0	ODSCC TSP AXIAL	Plugged
4	20	49	0.99	DSI	H03	0.12	ODSCC TSP AXIAL	In-Service via APC
4	20	51	0.56	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
4	20	53	0.4	DSI	H03	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	20	56	0.36	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	20	60	0.41	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
4	21	48	0.4	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
4	22	24	0.55	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
4	22	25	0.72	DSI	H03.	0	ODSCC TSP AXIAL	In-Service via APC
4	22	46	0.81	DSI	H03	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	22	71	0.65	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
4	23	44	0.6	DSI	H03	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	23	45	0.75	DSI	H03	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	23	75	1.08	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	23	86	0.36	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	23	88	0.48	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
4	24	22	1.26	DSI	H03	-0.21	ODSCC TSP AXIAL	In-Service via APC
4	25	46	1.7	DSI	H03	0.09	ODSCC TSP AXIAL	In-Service via APC
4	26	10	0.45	DSI	H03	0.21	ODSCC TSP AXIAL	In-Service via APC
4	26	14	1.1	DSI	H03	0.18	ODSCC TSP AXIAL	In-Service via APC
4	26	19	0.68	DSI	H03	0.15	ODSCC TSP AXIAL	In-Service via APC
4	26	20	0.38	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
4	26	21	0.76	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
4	26	27	0.43	DSI	H03	0.12	ODSCC TSP AXIAL	In-Service via APC
4	26	31	0.35	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
4	26	47	0.34	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	26	71	0.45	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	27	18	0.58	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
4	27	21	0.45	DSI	H03	0.09	ODSCC TSP AXIAL	In-Service via APC
4	27	63	0.18	DSI	H03	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	27	65	0.56	DSI	H03	-0.09	ODSCC TSP AXIAL	In-Service via APC
4	27	72	0.56	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	27	74	0.24	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	27	75	0.61	DSI	H03	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	27	77	0.9	DSI	H03	0.08	ODSCC TSP AXIAL	In-Service via APC
4	27	80	0.84	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	27	81	0.78	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
4	27	82	1.03	DSI	H03	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	27	83	0.76	DSI	H03	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	28	25	0.36	DSI	H03	0.09	ODSCC TSP AXIAL	In-Service via APC
4	28	33	0.32	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	28	48	1.32	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
4	28	63	0.52	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	28	66	0.47	DSI	H03	-0.11	ODSCC TSP AXIAL	In-Service via APC
4	28	72	0.54	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
4	28	74	1.14	DSI	H03	0.14	ODSCC TSP AXIAL	In-Service via APC
4	28	76	0.33	DSI	H03	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	28	79	0.54	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
4	28	80	0.71	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	28	81	1.07	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	29	73	0.57	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
4	30	17	0.18	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
4	31	53	0.28	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
4	31	58	1.65	DSI	H03	-0.17	ODSCC TSP AXIAL	In-Service via APC
4	31	71	0.96	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
4	31	72	0.71	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
4	31	76	0.8	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	32	65	0.33	DSI	H03	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	32	66	1.18	DSI	H03	0.14	ODSCC TSP AXIAL	In-Service via APC
4	32	67	0.67	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
4	32	70	0.45	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	32	71	0.61	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
4	32	74	0.45	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	32	77	1.05	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
4	33	16	0.74	DSI	H03	-0.15	ODSCC TSP AXIAL	In-Service via APC
4	34	33	0.16	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
4	34	40	0.7	DSI	H03	0.21	ODSCC TSP AXIAL	In-Service via APC
4	34	47	0.89	DSI	H03	0.14	ODSCC TSP AXIAL	In-Service via APC
4	34	50	1.44	DSI	H03	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	34	51	0.8	DSI	H03	0.09	ODSCC TSP AXIAL	In-Service via APC
4	34	55	0.26	DSI	H03	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	34	65	0.45	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
4	34	69	0.41	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
4	34	70	0.63	DSI	H03	-0.05	ODSCC TSP AXIAL	In-Service via APC
4	34	73	0.36	DSI	H03	0.11	ODSCC TSP AXIAL	In-Service via APC
4	34	77	0.72	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
4	34	78	0.62	DSI	H03	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	35	20	1.02	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
4	35	33	0.29	DSI	H03	0.09	ODSCC TSP AXIAL	In-Service via APC
4	35	38	0.5	DSI	H03	-0.09	ODSCC TSP AXIAL	In-Service via APC
4	35	65	0.26	DSI	H03	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	35	72	0.2	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
4	36	46	0.26	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
4	36	52	0.27	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
4	36	57	0.59	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	36	60	0.33	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
4	37	35	0.35	DSI	H03	0.09	ODSCC TSP AXIAL	In-Service via APC
4	37	36	0.38	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	37	45	0.72	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
4	37	58	0.65	DSI	H03	0.09	ODSCC TSP AXIAL	In-Service via APC
4	37	63	0.19	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	38	24	0.48	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
4	38	50	0.41	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	38	71	0.45	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
4	38	74	0.29	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	39	27	0.49	DSI	H03	0.09	ODSCC TSP AXIAL	In-Service via APC
4	39	37	0.4	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	39	41	0.43	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
4	39	42	0.51	DSI	H03	-0.11	ODSCC TSP AXIAL	In-Service via APC
4	39	45	0.48	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	39	47	0.71	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
4	39	68	1.02	DSI	H03	0.22	ODSCC TSP AXIAL	In-Service via APC
4	39	70	0.56	DSI	H03	-0.14	ODSCC TSP AXIAL	In-Service via APC
4	40	29	0.38	DSI	H03	-0.09	ODSCC TSP AXIAL	In-Service via APC
4	40	40	0.37	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
4	40	43	0.47	DSI	H03	0	ODSCC TSP AXIAL	In-Service via APC
4	40	71	0.34	DSI	H03	0.06	ODSCC TSP AXIAL	In-Service via APC
4	41	37	0.49	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
4	42	42	0.46	DSI	H03	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	42	42	0.22	DSI	H03	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	43	45	0.12	DSI	H03	0.09	ODSCC TSP AXIAL	In-Service via APC
4	44	55	0.46	DSI	H03	0.03	ODSCC TSP AXIAL	In-Service via APC
1	2	8	0.3	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
1	3	70	0.13	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
1	3	86	0.55	DSI	H04	0.06	ODSCC TSP AXIAL	In-Service via APC
1	4	17	0.18	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
1	6	28	0.27	DSI	H04	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	6	34	0.23	DSI	H04	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	8	21	0.38	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
1	8	63	0.33	DSI	H04	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	9	28	0.39	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
1	9	34	0.59	DSI	H04	-0.09	ODSCC TSP AXIAL	In-Service via APC
1	9	86	0.3	DSI	H04	0.06	ODSCC TSP AXIAL	In-Service via APC
1	9	87	0.51	DSI	H04	0.03	ODSCC TSP AXIAL	In-Service via APC
1	10	77	1.34	DSI	H04	-0.05	ODSCC TSP AXIAL	In-Service via APC
1	11	88	0.9	DSI	H04	0.03	ODSCC TSP AXIAL	In-Service via APC
1	12	5	0.73	DSI	H04	0.08	ODSCC TSP AXIAL	In-Service via APC
1	12	6	0.31	DSI	H04	0.03	ODSCC TSP AXIAL	In-Service via APC
1	14	30	0.04	DSI	H04	0.06	ODSCC TSP AXIAL	In-Service via APC
1	16	5	0.62	DSI	H04	0.06	ODSCC TSP AXIAL	In-Service via APC
1	16	86	0.66	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
1	17	4	0.79	DSI	H04	0.08	ODSCC TSP AXIAL	In-Service via APC
1	17	28	0.14	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
1	18	8	0.23	DSI	H04	0.11	ODSCC TSP AXIAL	In-Service via APC
1	19	56	0.87	DSI	H04	-0.08	ODSCC TSP AXIAL	In-Service via APC
1	20	12	0.26	DSI	H04	0.06	ODSCC TSP AXIAL	In-Service via APC
1	21	8	0.19	DSI	H04	0.14	ODSCC TSP AXIAL	In-Service via APC
1	21	74	0.32	DSI	H04	0.06	ODSCC TSP AXIAL	In-Service via APC
1	22	12	0.21	DSI	H04	0.11	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
1	22	46	0.32	DSI	H04	0.06	ODSCC TSP AXIAL	In-Service via APC
1	23	7	0.56	DSI	H04	0.03	ODSCC TSP AXIAL	In-Service via APC
1	23	32	0.28	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
1	24	18	0.27	DSI	H04	0.08	ODSCC TSP AXIAL	In-Service via APC
1	24	21	0.58	DSI	H04	0.11	ODSCC TSP AXIAL	In-Service via APC
1	26	14	0.25	DSI	H04	0.08	ODSCC TSP AXIAL	In-Service via APC
1	26	25	0.23	DSI	H04	0.06	ODSCC TSP AXIAL	In-Service via APC
1	28	17	0.65	DSI	H04	0.08	ODSCC TSP AXIAL	In-Service via APC
1	28	28	0.57	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
1	29	34	0.26	DSI	H04	0.14	ODSCC TSP AXIAL	In-Service via APC
1	31	49	0.49	DSI	H04	0.03	ODSCC TSP AXIAL	In-Service via APC
1	31	56	0.42	DSI	H04	0.14	ODSCC TSP AXIAL	In-Service via APC
1	31	59	0.35	DSI	H04	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	31	68	0.46	DSI	H04	0.06	ODSCC TSP AXIAL	In-Service via APC
1	31	70	0.44	DSI	H04	0.03	ODSCC TSP AXIAL	In-Service via APC
1	32	34	0.56	DSI	H04	0.03	ODSCC TSP AXIAL	In-Service via APC
1	32	44	0.55	DSI	H04	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	32	65	0.45	DSI	H04	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	33	27	0.96	DSI	H04	0.06	ODSCC TSP AXIAL	In-Service via APC
1	33	67	0.32	DSI	H04	-0.06	ODSCC TSP AXIAL	In-Service via APC
1	34	23	0.51	DSI	H04	0.19	ODSCC TSP AXIAL	In-Service via APC
1	34	74	0.56	DSI	H04	0.08	ODSCC TSP AXIAL	In-Service via APC
1	35	19	0.53	DSI	H04	0.08	ODSCC TSP AXIAL	In-Service via APC
1	35	21	0.63	DSI	H04	0.08	ODSCC TSP AXIAL	In-Service via APC
1	35	32	0.31	DSI	H04	0.03	ODSCC TSP AXIAL	In-Service via APC
1	35	35	0.35	DSI	H04	0.03	ODSCC TSP AXIAL	In-Service via APC
1	35	42	0.42	DSI	H04	0.03	ODSCC TSP AXIAL	In-Service via APC
1	35	46	0.48	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
1	36	25	0.63	DSI	H04	0.03	ODSCC TSP AXIAL	In-Service via APC
1	36	35	0.88	DSI	H04	0.03	ODSCC TSP AXIAL	In-Service via APC
1	36	49	0.5	DSI	H04	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	36	62	0.86	DSI	H04	0.14	ODSCC TSP AXIAL	In-Service via APC
1	38	46	1	DSI	H04	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	38	47	0.33	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
1	38	65	0.58	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
1	39	27	0.71	DSI	H04	0.06	ODSCC TSP AXIAL	In-Service via APC
1	39	57	0.34	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
1	40	25	0.7	DSI	H04	0.11	ODSCC TSP AXIAL	In-Service via APC
1	40	26	0.72	DSI	H04	0.03	ODSCC TSP AXIAL	In-Service via APC
1	40	32	0.42	DSI	H04	0.08	ODSCC TSP AXIAL	In-Service via APC
1	41	36	0.36	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
1	43	46	0.58	DSI	H04	0.06	ODSCC TSP AXIAL	In-Service via APC
1	44	40	0.42	DSI	H04	0.06	ODSCC TSP AXIAL	In-Service via APC
1	45	47	1.02	DSI	H04	0.09	ODSCC TSP AXIAL	In-Service via APC
2	2	63	0.72	DSI	H04	0.06	ODSCC TSP AXIAL	In-Service via APC
2	2	82	1.39	DSI	H04	.0	ODSCC TSP AXIAL	In-Service via APC
2	2	83	0.77	DSI	H04	0.06	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
2	2	85	0.46	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
2	3	12	0.17	DSI	H04	0.06	ODSCC TSP AXIAL	In-Service via APC
2	3	42	0.63	DSI	H04	0.06	ODSCC TSP AXIAL	In-Service via APC
2	4	1	0.31	DSI	H04	-0.06	ODSCC TSP AXIAL	In-Service via APC
2	4	2	0.64	DSI	H04	0.03	ODSCC TSP AXIAL	In-Service via APC
2	4	29	0.14	DSI	H04	0.06	ODSCC TSP AXIAL	In-Service via APC
2	4	45	0.43	DSI	H04	0.06	ODSCC TSP AXIAL	In-Service via APC
2	4	57	0.31	DSI	H04	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	4	61	0.72	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
2	4	92	0.99	DSI	H04	0.03	ODSCC TSP AXIAL	In-Service via APC
2	5	5	0.37	DSI	H04	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	5	44	0.34	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
2	5	60	0.29	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
2	6	4	0.94	DSI	H04	-0.09	ODSCC TSP AXIAL	In-Service via APC
2	6	13	0.34	DSI	H04	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	6	32	0.58	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
2	6	90	0.53	DSI	H04	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	7	2	0.85	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
2	7	7	0.29	DSI	H04	0.03	ODSCC TSP AXIAL	In-Service via APC
2	7	9	0.46	DSI	H04	-0.06	ODSCC TSP AXIAL	In-Service via APC
2	7	12	0.4	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
2	7	21	0.16	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
2	7	42	0.11	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
2	8	61	0.33	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
2	8	82	0.47	DSI	H04	0.03	ODSCC TSP AXIAL	In-Service via APC
2	9	4	0.35	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
2	9	29	0.4	DSI	H04	0.06	ODSCC TSP AXIAL	In-Service via APC
2	9	50	0.23	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
2	10	71	0.72	DSI	H04	0.06	ODSCC TSP AXIAL	In-Service via APC
2	13	15	0.34	DSI	H04	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	15	5	0.59	DSI	H04	0.03	ODSCC TSP AXIAL	In-Service via APC
2	15	32	0.24	DSI	H04	0.03	ODSCC TSP AXIAL	In-Service via APC
2	20	33	0.45	DSI	H04	0.09	ODSCC TSP AXIAL	In-Service via APC
2	22	36	0.46	DSI	H04	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	22	73	0.53	DSI	H04	0.03	ODSCC TSP AXIAL	In-Service via APC
2	24	37	1.11	DSI	H04	0.15	ODSCC TSP AXIAL	In-Service via APC
2	24	87	0.57	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
2	25	72	0.52	DSI	H04	0.03	ODSCC TSP AXIAL	In-Service via APC
2	25	73	0.32	DSI	H04	0.12	ODSCC TSP AXIAL	In-Service via APC
2	30	19	0.79	DSI	H04	-0.09	ODSCC TSP AXIAL	In-Service via APC
2	30	81	0.69	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
2	33	31	0.31	DSI	H04	0.06	ODSCC TSP AXIAL	In-Service via APC
2	35	58	0.58	DSI	H04	0.18	ODSCC TSP AXIAL	In-Service via APC
2	38	33	0.53	DSI	H04	0.03	ODSCC TSP AXIAL	In-Service via APC
2	38	60	0.48	DSI	H04	0.06	ODSCC TSP AXIAL	In-Service via APC
2	38	74	0.48	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
2	39	58	0.72	DSI	H04	0.06	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
2	39	60	0.51	DSI	H04	0.03	ODSCC TSP AXIAL	In-Service via APC
2	39	70	0.22	DSI	H04	0.03	ODSCC TSP AXIAL	In-Service via APC
2	41	37	0.37	DSI	H04	0.06	ODSCC TSP AXIAL	In-Service via APC
2	41	41	0.77	DSI	H04	-0.21	ODSCC TSP AXIAL	In-Service via APC
2	43	53	0.61	DSI	H04	0.09	ODSCC TSP AXIAL	In-Service via APC
2	43	54	0.75	DSI	H04	0.09	ODSCC TSP AXIAL	In-Service via APC
2	45	39	0.26	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
2	46	50	0.54	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
3	1	74	1.1	DSI	H04	-0.12	ODSCC TSP AXIAL	In-Service via APC
3	2	38	0.21	DSI	H04	0.03	ODSCC TSP AXIAL	In-Service via APC
3	3	94	0.52	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
3	6	3	0.27	DSI	H04	-0.09	ODSCC TSP AXIAL	In-Service via APC
3	6	38	0.62	DSI	H04	-0.18	ODSCC TSP AXIAL	In-Service via APC
3	7	42	0.82	DSI	H04	-0.06	ODSCC TSP AXIAL	In-Service via APC
3	8	57	0.4	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
3	9	23	0.11	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
3	10	33	0.27	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
3	12	13	0.4	DSI	H04	0.06	ODSCC TSP AXIAL	In-Service via APC
3	14	18	0.36	DSI	H04	0.06	ODSCC TSP AXIAL	In-Service via APC
3	14	39	0.62	DSI	H04	-0.12	ODSCC TSP AXIAL	Plugged
3	15	33	0.66	DSI	H04	0.03	ODSCC TSP AXIAL	In-Service via APC
3	16	5	0.42	DSI	H04	0.06	ODSCC TSP AXIAL	In-Service via APC
3	17	15	0.45	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
3	17	87	0.66	DSI	H04	-0.12	ODSCC TSP AXIAL	In-Service via APC
3	20	14	1.48	DSI	H04	0.03	ODSCC TSP AXIAL	In-Service via APC
3	21	6	0.41	DSI	H04	0.03	ODSCC TSP AXIAL	In-Service via APC
3	21	84	0.55	DSI	H04	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	22	15	0.57	DSI	H04	0.06	ODSCC TSP AXIAL	In-Service via APC
3	24	21	1.12	DSI	H04	0.03	ODSCC TSP AXIAL	In-Service via APC
3	25	14	0.75	DSI	H04	0.09	ODSCC TSP AXIAL	In-Service via APC
3	26	22	1.1	DSI	H04	0.03	ODSCC TSP AXIAL	In-Service via APC
3	27	69	0.5	DSI	H04	0.03	ODSCC TSP AXIAL	In-Service via APC
3	31	15	0.74	DSI	H04	0.06	ODSCC TSP AXIAL	In-Service via APC
3	31	28	1	DSI	H04	-0.15	ODSCC TSP AXIAL	In-Service via APC
3	32	32	1.21	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
3	32	56	0.25	DSI	H04	0.03	ODSCC TSP AXIAL	In-Service via APC
3	33	25	0.88	DSI	H04	-0.06	ODSCC TSP AXIAL	In-Service via APC
3	33	67	0.49	DSI	H04	0.06	ODSCC TSP AXIAL	In-Service via APC
3	34	25	0.46	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
3	34	28	0.54	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
3	34	60	0.39	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
3	34	61	1.12	DSI	H04	-0.12	ODSCC TSP AXIAL	In-Service via APC
3	35	18	1.12	DSI	H04	0.12	ODSCC TSP AXIAL	In-Service via APC
3	35	30	0.22	DSI	H04	0.06	ODSCC TSP AXIAL	In-Service via APC
3	35	47	0.41	DSI	H04	0.09	ODSCC TSP AXIAL	In-Service via APC
3	35	58	0.25	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
3	36	35	0.33	DSI	H04	0.12	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
3	36	38	0.65	DSI	H04	0.09	ODSCC TSP AXIAL	In-Service via APC
3	36	40	0.69	DSI	H04	0.06	ODSCC TSP AXIAL	In-Service via APC
3	36	42	1.16	DSI	H04	0.18	ODSCC TSP AXIAL	In-Service via APC
3	36	61	0.49	DSI	H04	0.09	ODSCC TSP AXIAL	In-Service via APC
3	36	63	0.2	DSI	H04	0.09	ODSCC TSP AXIAL	In-Service via APC
3	37	66	0.31	DSI	H04	-0.06	ODSCC TSP AXIAL	In-Service via APC
3	38	27	0.39	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
3	38	55	0.3	DSI	H04	0.09	ODSCC TSP AXIAL	In-Service via APC
3	38	58	0.28	DSI	H04	0.09	ODSCC TSP AXIAL	Plugged
3	39	68	0.6	DSI	H04	0.03	ODSCC TSP AXIAL	In-Service via APC
3	41	36	0.66	DSI	H04	0.06	ODSCC TSP AXIAL	In-Service via APC
3	42	43	0.39	DSI	H04	0.03	ODSCC TSP AXIAL	In-Service via APC
3	43	38	0.86	DSI	H04	0.09	ODSCC TSP AXIAL	In-Service via APC
3	43	44	0.8	DSI	H04	0.18	ODSCC TSP AXIAL	In-Service via APC
3	43	50	0.53	DSI	H04	0.12	ODSCC TSP AXIAL	In-Service via APC
3	44	55	0.42	DSI	H04	0.06	ODSCC TSP AXIAL	In-Service via APC
4	3	16	0.52	DSI	H04	-0.18	ODSCC TSP AXIAL	In-Service via APC
4	4	22	0.55	DSI	H04	-0.09	ODSCC TSP AXIAL	In-Service via APC
4	4	28	0.53	DSI	H04	-0.09	ODSCC TSP AXIAL	In-Service via APC
4	4	80	0.79	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
4	4	94	0.4	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
4	5	1	0.23	DSI	H04	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	5	29	0.58	DSI	H04	-0.09	ODSCC TSP AXIAL	In-Service via APC
4	5	87	0.23	DSI	H04	-0.09	ODSCC TSP AXIAL	In-Service via APC
4	5	91	0.36	DSI	H04	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	6	48	0.42	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
4	6	90	0.8	DSI	H04	-0.09	ODSCC TSP AXIAL	In-Service via APC
4	8	25	0.57	DSI	H04	-0.21	ODSCC TSP AXIAL	In-Service via APC
4	8	27	0.32	DSI	H04	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	8	35	0.28	DSI	H04	-0.18	ODSCC TSP AXIAL	In-Service via APC
4	8	41	0.5	DSI	H04	-0.12	ODSCC TSP AXIAL	Plugged
4	8	51	0.18	DSI	H04	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	8	92	0.8	DSI	H04	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	9	74	0.45	DSI	H04	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	11	69	0.29	DSI	H04	0.06	ODSCC TSP AXIAL	In-Service via APC
4	11	84	0.46	DSI	H04	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	12	15	0.39	DSI	H04	0.15	ODSCC TSP AXIAL	In-Service via APC
4	12	39	0.35	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
4	12	43	0.83	DSI	H04	-0.06	ODSCC TSP AXIAL	Plugged
4	13	47	0.56	DSI	H04	-0.09	ODSCC TSP AXIAL	In-Service via APC
4	13	48	0.52	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
4	14	86	1.13	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
4	16	90	1.12	DSI	H04	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	17	13	0.45	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
4	17	21	0.72	DSI	H04	0.09	ODSCC TSP AXIAL	In-Service via APC
4	17	31	0.47	DSI	H04	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	18	11	0.2	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
4	18	13	0.36	DSI	H04	0.03	ODSCC TSP AXIAL	In-Service via APC
4	18	15	0.34	DSI	H04	0.18	ODSCC TSP AXIAL	In-Service via APC
4	18	21	0.68	DSI	H04	-0.12	ODSCC TSP AXIAL	In-Service via APC
4	18	36	1.16	DSI	H04	0.14	ODSCC TSP AXIAL	In-Service via APC
4	18	42	0.69	DSI	H04	0.06	ODSCC TSP AXIAL	In-Service via APC
4	19	31	0.52	DSI	H04	0.15	ODSCC TSP AXIAL	In-Service via APC
4	19	43	0.42	DSI	H04	0	ODSCC TSP AXIAL	Plugged
4	19	53	0.28	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
4	20	20	0.5	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
4	20	25	0.94	DSI	H04	-0.15	ODSCC TSP AXIAL	In-Service via APC
4	20	29	0.53	DSI	H04	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	20	30	0.3	DSI	H04	0.06	ODSCC TSP AXIAL	In-Service via APC
4	20	31	0.59	DSI	H04	0.21	ODSCC TSP AXIAL	In-Service via APC
4	20	32	0.57	DSI	H04	-0.09	ODSCC TSP AXIAL	In-Service via APC
4	20	37	0.54	DSI	H04	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	20	38	0.84	DSI	H04	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	20	49	1.56	DSI	H04	0.09	ODSCC TSP AXIAL	In-Service via APC
4	20	51	0.53	DSI	H04	-0.09	ODSCC TSP AXIAL	In-Service via APC
4	20	57	0.43	DSI	H04	-0.06	ODSCC TSP AXIAL	Plugged
4	20	59	1.72	DSI	H04	0.09	ODSCC TSP AXIAL	In-Service via APC
4	20	64	0.58	DSI	H04	0.06	ODSCC TSP AXIAL	In-Service via APC
4	22	27	0.29	DSI	H04	0.03	ODSCC TSP AXIAL	In-Service via APC
4	22	41	1.13	DSI	H04	0	ODSCC TSP AXIAL	Plugged
4	24	17	0.63	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
4	25	57	0.64	DSI	H04	-0.12	ODSCC TSP AXIAL	In-Service via APC
4	25	67	0.37	DSI	H04	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	26	20	0.47	DSI	H04	0.03	ODSCC TSP AXIAL	In-Service via APC
4	26	27	0.48	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
4	27	22	0.45	DSI	H04	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	27	66	0.37	DSI	H04	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	27	77	0.56	DSI	H04	0.08	ODSCC TSP AXIAL	In-Service via APC
4	27	83	0.56	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
4	28	24	0.57	DSI	H04	-0.12	ODSCC TSP AXIAL	In-Service via APC
4	28	26	0.32	DSI	H04	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	28	28	1.1	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
4	28	73	0.52	DSI	H04	-0.08	ODSCC TSP AXIAL	In-Service via APC
4	28	79	0.47	DSI	H04	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	30	21	0.59	DSI	H04	0.18	ODSCC TSP AXIAL	In-Service via APC
4	30	26	0.28	DSI	H04	0.09	ODSCC TSP AXIAL	In-Service via APC
4	30	28	0.32	DSI	H04	-0.15	ODSCC TSP AXIAL	In-Service via APC
4	31	40	0.65	DSI	H04	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	32	28	0.36	DSI	H04	0.09	ODSCC TSP AXIAL	In-Service via APC
4	32	44	0.66	DSI	H04	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	32	63	0.55	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
4	32	70	0.65	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
4	32	75	0.7	DSI	H04	0.03	ODSCC TSP AXIAL	In-Service via APC
4	32	77	0.71	DSI	H04	0.06	ODSCC TSP AXIAL	In-Service via APC

Table 4
Indications

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
4	33	26	0.51	DSI	H04	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	34	24	0.72	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
4	34	27	0.32	DSI	H04	0.06	ODSCC TSP AXIAL	In-Service via APC
4	34	47	0.76	DSI	H04	0.03	ODSCC TSP AXIAL	In-Service via APC
4	34	50	0.41	DSI	H04	0.06	ODSCC TSP AXIAL	In-Service via APC
4	34	67	0.31	DSI	H04	0.09	ODSCC TSP AXIAL	In-Service via APC
4	35	43	0.26	DSI	H04	-0.11	ODSCC TSP AXIAL	In-Service via APC
4	35	47	0.15	DSI	H04	-0.09	ODSCC TSP AXIAL	In-Service via APC
4	35	74	0.34	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
4	36	24	0.87	DSI	H04	0.03	ODSCC TSP AXIAL	In-Service via APC
4	36	26	0.5	DSI	H04	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	36	36	0.33	DSI	H04	-0.08	ODSCC TSP AXIAL	In-Service via APC
4	36	47	0.39	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
4	36	54	0.58	DSI	H04	0.22	ODSCC TSP AXIAL	In-Service via APC
4	37	37	0.28	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
4	37	47	0.54	DSI	H04	-0.12	ODSCC TSP AXIAL	In-Service via APC
4	37	62	0.22	DSI	H04	0.03	ODSCC TSP AXIAL	In-Service via APC
4	38	26	0.26	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
4	38	27	0.37	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
4	38	38	0.29	DSI	H04	0.03	ODSCC TSP AXIAL	In-Service via APC
4	38	42	0.55	DSI	H04	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	38	62	0.31	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
4	38	74	0.19	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
4	39	37	0.42	DSI	H04	-0.09	ODSCC TSP AXIAL	In-Service via APC
4	39	41	0.35	DSI	H04	0	ODSCC TSP AXIAL	In-Service via APC
4	39	42	0.38	DSI	H04	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	39	49	0.74	DSI	H04	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	43	49	0.22	DSI	H04	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	45	39	0.56	DSI	H04	0.06	ODSCC TSP AXIAL	In-Service via APC
4	45	51	0.61	DSI	H04	-0.18	ODSCC TSP AXIAL	In-Service via APC
4	45	52	0.75	DSI	H04	0.12	ODSCC TSP AXIAL	In-Service via APC
1	3	1	0.55	DSI	H05	0	ODSCC TSP AXIAL	In-Service via APC
1	3	15	0.79	DSI	H05	0.15	ODSCC TSP AXIAL	Plugged
1	7	3	0.61	DSI	H05	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	11	3	0.61	DSI	H05	0.03	ODSCC TSP AXIAL	In-Service via APC
1	12	3	1.58	DSI	H05	0.06	ODSCC TSP AXIAL	In-Service via APC
1	13	62	0.37	DSI	H05	0	ODSCC TSP AXIAL	In-Service via APC
1	17	77	0.71	DSI	H05	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	17	82	0.26	DSI	H05	0	ODSCC TSP AXIAL	In-Service via APC
1	18	35	0.37	DSI	H05	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	18	89	0.74	DSI	H05	0.14	ODSCC TSP AXIAL	In-Service via APC
1	19	8	0.36	DSI	H05	0.14	ODSCC TSP AXIAL	In-Service via APC
1	28	10	0.3	DSI	H05	0.03	ODSCC TSP AXIAL	In-Service via APC
1	28	40	0.37	DSI	H05	0	ODSCC TSP AXIAL	In-Service via APC
1	29	74	0.37	DSI	H05	0.06	ODSCC TSP AXIAL	In-Service via APC
1	32	77	0.22	DSI	H05	0	ODSCC TSP AXIAL	In-Service via APC
1	33	75	0.51	DSI	H05	0.11	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
1	37	32	0.15	DSI	H05	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	37	60	0.29	DSI	H05	0.14	ODSCC TSP AXIAL	In-Service via APC
1	39	30	0.3	DSI	H05	0	ODSCC TSP AXIAL	In-Service via APC
1	39	36	0.61	DSI	H05	0.08	ODSCC TSP AXIAL	In-Service via APC
1	40	26	0.58	DSI	H05	0.08	ODSCC TSP AXIAL	In-Service via APC
1	40	32	0.42	DSI	H05	0.06	ODSCC TSP AXIAL	In-Service via APC
1	42	40	0.16	DSI	H05	-0.06	ODSCC TSP AXIAL	In-Service via APC
1	44	42	0.47	DSI	H05	0.03	ODSCC TSP AXIAL	In-Service via APC
2	2	2	0.2	DSI	H05	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	2	47	0.5	DSI	H05	0	ODSCC TSP AXIAL	In-Service via APC
2	3	38	0.25	DSI	H05	0	ODSCC TSP AXIAL	In-Service via APC
2	4	92	1.04	DSI	H05	0.03	ODSCC TSP AXIAL	In-Service via APC
2	6	40	0.38	DSI	H05	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	7	1	0.36	DSI	H05	0	ODSCC TSP AXIAL	In-Service via APC
2	7	13	0.23	DSI	H05	0	ODSCC TSP AXIAL	In-Service via APC
2	7	21	0.27	DSI	H05	0	ODSCC TSP AXIAL	In-Service via APC
2	9	41	0.68	DSI	H05	0	ODSCC TSP AXIAL	In-Service via APC
2	10	32	0.2	DSI	H05	0.06	ODSCC TSP AXIAL	In-Service via APC
2	10	71	0.24	DSI	H05	0.12	ODSCC TSP AXIAL	In-Service via APC
2	11	74	0.62	DSI	H05	0.06	ODSCC TSP AXIAL	In-Service via APC
2	16	48	0.89	DSI	H05	0.21	ODSCC TSP AXIAL	In-Service via APC
2	17	70	0.31	DSI	H05	0.06	ODSCC TSP AXIAL	In-Service via APC
2	20	43	0.81	DSI	H05	0.03	ODSCC TSP AXIAL	In-Service via APC
2	22	37	0.54	DSI	H05	0.09	ODSCC TSP AXIAL	In-Service via APC
2	23	44	0.47	DSI	H05	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	29	16	0.52	DSI	H05	0.15	ODSCC TSP AXIAL	In-Service via APC
2	30	55	0.34	DSI	H05	0.03	ODSCC TSP AXIAL	In-Service via APC
2	32	17	1.29	DSI	H05	0	ODSCC TSP AXIAL	In-Service via APC
2	32	20	0.49	DSI	H05	0.06	ODSCC TSP AXIAL	In-Service via APC
2	40	48	0.5	DSI	H05	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	41	41	0.43	DSI	H05	0	ODSCC TSP AXIAL	In-Service via APC
2	41	65	0.89	DSI	H05	-0.18	ODSCC TSP AXIAL	In-Service via APC
2	42	28	0.49	DSI	H05	0.09	ODSCC TSP AXIAL	In-Service via APC
2	42	37	0.47	DSI	H05	0.09	ODSCC TSP AXIAL	In-Service via APC
2	42	54	0.44	DSI	H05	0.12	ODSCC TSP AXIAL	In-Service via APC
3	3	2	0.73	DSI	H05	0.09	ODSCC TSP AXIAL	In-Service via APC
3	3	3	0.32	DSI	H05	-0.06	ODSCC TSP AXIAL	In-Service via APC
3	3	5	0.83	DSI	H05	-0.21	ODSCC TSP AXIAL	In-Service via APC
3	3	7	0.29	DSI	H05	-0.3	ODSCC TSP AXIAL	In-Service via APC
3	3	34	0.35	DSI	H05	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	3	58	0.23	DSI	H05	0.03	ODSCC TSP AXIAL	In-Service via APC
3	4	15	0.53	DSI	H05	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	4	50	0.17	DSI	H05	0.03	ODSCC TSP AXIAL	In-Service via APC
3	5	13	0.54	DSI	H05	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	6	3	0.66	DSI	H05	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	6	37	0.41	DSI	H05	-0.03	ODSCC TSP AXIAL	Plugged
3	6	40	0.32	DSI	H05	0	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
3	7	21	0.73	DSI	H05	0	ODSCC TSP AXIAL	In-Service via APC
3	8	18	0.83	DSI	H05	0	ODSCC TSP AXIAL	In-Service via APC
3	8	19	0.44	DSI	H05	0	ODSCC TSP AXIAL	In-Service via APC
3	8	70	0.19	DSI	H05	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	9	11	0.52	DSI	H05	-0.09	ODSCC TSP AXIAL	In-Service via APC
3	9	13	0.79	DSI	H05	0	ODSCC TSP AXIAL	In-Service via APC
3	10	5	0.73	DSI	H05	0.12	ODSCC TSP AXIAL	In-Service via APC
3	12	58	0.49	DSI	H05	0	ODSCC TSP AXIAL	In-Service via APC
3	13	3	0.58	DSI	H05	0.03	ODSCC TSP AXIAL	In-Service via APC
3	14	9	0.75	DSI	H05	0.06	ODSCC TSP AXIAL	In-Service via APC
3	14	16	0.3	DSI	H05	0.09	ODSCC TSP AXIAL	In-Service via APC
3	15	71	0.23	DSI	H05	0.12	ODSCC TSP AXIAL	In-Service via APC
3	16	18	0.65	DSI	H05	0.06	ODSCC TSP AXIAL	In-Service via APC
3	17	82	0.31	DSI	H05	0.06	ODSCC TSP AXIAL	In-Service via APC
3	18	53	0.28	DSI	H05	0.15	ODSCC TSP AXIAL	In-Service via APC
3	19	22	0.65	DSI	H05	0	ODSCC TSP AXIAL	In-Service via APC
3	20	19	0.54	DSI	H05	0.06	ODSCC TSP AXIAL	In-Service via APC
3	20	32	0.65	DSI	H05	0.03	ODSCC TSP AXIAL	In-Service via APC
3	22	7	0.25	DSI	H05	0.09	ODSCC TSP AXIAL	In-Service via APC
3	22	15	0.32	DSI	H05	0.06	ODSCC TSP AXIAL	In-Service via APC
3	24	10	0.47	DSI	H05	0.12	ODSCC TSP AXIAL	In-Service via APC
3	24	21	0.84	DSI	H05	0.09	ODSCC TSP AXIAL	In-Service via APC
3	24	22	1	DSI	H05	0.06	ODSCC TSP AXIAL	In-Service via APC
3	26	22	0.45	DSI	H05	0.06	ODSCC TSP AXIAL	In-Service via APC
3	27	68	0.4	DSI	H05	0.06	ODSCC TSP AXIAL	In-Service via APC
3	29	23	0.46	DSI	H05	0.12	ODSCC TSP AXIAL	In-Service via APC
3	35	58	0.41	DSI	H05	-0.15	ODSCC TSP AXIAL	In-Service via APC
3	36	31	1.28	DSI	H05	0.21	ODSCC TSP AXIAL	In-Service via APC
3	37	57	0.43	DSI	H05	0.09	ODSCC TSP AXIAL	In-Service via APC
3	38	58	0.38	DSI	H05	-0.03	ODSCC TSP AXIAL	Plugged
3	43	47	0.56	DSI	H05	0.06	ODSCC TSP AXIAL	In-Service via APC
4	2	54	0.46	DSI	H05	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	2	65	0.53	DSI	H05	0.03	ODSCC TSP AXIAL	In-Service via APC
4	2	66	0.37	DSI	H05	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	3	15	0.23	DSI	H05	0	ODSCC TSP AXIAL	In-Service via APC
4	4	8	0.43	DSI	H05	0	ODSCC TSP AXIAL	In-Service via APC
4	4	87	0.75	DSI	H05	0	ODSCC TSP AXIAL	In-Service via APC
4	4	92	1.09	DSI	H05	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	5	1	0.42	DSI	H05	0	ODSCC TSP AXIAL	In-Service via APC
4	5	37	0.39	DSI	H05	0	ODSCC TSP AXIAL	In-Service via APC
4	8	13	0.39	DSI	H05	0	ODSCC TSP AXIAL	In-Service via APC
4	8	41	0.67	DSI	H05	0	ODSCC TSP AXIAL	Plugged
4	8	79	0.25	DSI	H05	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	8	91	0.47	DSI	H05	0	ODSCC TSP AXIAL	In-Service via APC
4	9	21	0.26	DSI	H05	-0.09	ODSCC TSP AXIAL	In-Service via APC
4	9	26	0.53	DSI	H05	-0.21	ODSCC TSP AXIAL	In-Service via APC
4	9	48	0.63	DSI	H05	-0.03	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
4	9	74	0.24	DSI	H05	0	ODSCC TSP AXIAL	In-Service via APC
4	11	8	0.21	DSI	H05	0.03	ODSCC TSP AXIAL	In-Service via APC
4	12	38	2.05	DSI	H05	0.06	ODSCC TSP AXIAL	Plugged
4	12	59	0.55	DSI	H05	0.03	ODSCC TSP AXIAL	In-Service via APC
4	12	76	0.87	DSI	H05	0.06	ODSCC TSP AXIAL	In-Service via APC
4	13	57	0.54	DSI	H05	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	15	55	1	DSI	H05	0.21	ODSCC TSP AXIAL	In-Service via APC
4	15	63	0.74	DSI	H05	0.03	ODSCC TSP AXIAL	In-Service via APC
4	15	65	0.56	DSI	H05	0	ODSCC TSP AXIAL	In-Service via APC
4	16	23	0.56	DSI	H05	0.24	ODSCC TSP AXIAL	In-Service via APC
4	17	21	0.25	DSI	H05	0.06	ODSCC TSP AXIAL	In-Service via APC
4	17	55	0.64	DSI	H05	-0.03	ODSCC TSP AXIAL	Plugged
4	18	16	0.41	DSI	H05	0.03	ODSCC TSP AXIAL	In-Service via APC
4	18	33	0.66	DSI	H05	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	18	40	0.84	DSI	H05	0.06	ODSCC TSP AXIAL	In-Service via APC
4	18	51	0.6	DSI	H05	0.06	ODSCC TSP AXIAL	In-Service via APC
4	20	31	0.8	DSI	H05	-0.12	ODSCC TSP AXIAL	In-Service via APC
4	20	39	1.68	DSI	H05	0	ODSCC TSP AXIAL	In-Service via APC
4	20	55	0.59	DSI	H05	0.03	ODSCC TSP AXIAL	In-Service via APC
4	20	59	0.34	DSI	H05	0	ODSCC TSP AXIAL	In-Service via APC
4	21	48	0.41	DSI	H05	0.15	ODSCC TSP AXIAL	In-Service via APC
4	23	63	0.65	DSI	H05	0	ODSCC TSP AXIAL	In-Service via APC
4	23	71	0.49	DSI	H05	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	25	47	0.28	DSI	H05	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	25	75	0.4	DSI	H05	0.08	ODSCC TSP AXIAL	In-Service via APC
4	27	72	0.27	DSI	H05	0.06	ODSCC TSP AXIAL	In-Service via APC
4	27	76	0.28	DSI	H05	-0.03	ODSCC TSP AXIAL	Plugged
4	27	82	0.84	DSI	H05	0	ODSCC TSP AXIAL	In-Service via APC
4	27	85	0.49	DSI	H05	0.06	ODSCC TSP AXIAL	In-Service via APC
4	28	68	0.64	DSI	H05	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	28	74	0.57	DSI	H05	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	28	81	0.57	DSI	H05	0.08	ODSCC TSP AXIAL	In-Service via APC
4	29	71	0.21	DSI	H05	0.08	ODSCC TSP AXIAL	In-Service via APC
4	36	48	0.51	DSI	H05	0.12	ODSCC TSP AXIAL	In-Service via APC
4	38	25	0.19	DSI	H05	0.06	ODSCC TSP AXIAL	In-Service via APC
1	3	56	0.4	DSI	H06	0	ODSCC TSP AXIAL	In-Service via APC
1	6	3	0.54	DSI	H06	-0.09	ODSCC TSP AXIAL	In-Service via APC
1	9	65	0.13	DSI	H06	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	10	3	0.95	DSI	H06	0	ODSCC TSP AXIAL	In-Service via APC
1	10	75	0.42	DSI	H06	0	ODSCC TSP AXIAL	In-Service via APC
1	11	3	1.01	DSI	H06	0.06	ODSCC TSP AXIAL	In-Service via APC
1	11	4	0.39	DSI	H06	0.08	ODSCC TSP AXIAL	In-Service via APC
1	12	3	0.99	DSI	H06	0.06	ODSCC TSP AXIAL	In-Service via APC
1	12	5	0.55	DSI	H06	0.08	ODSCC TSP AXIAL	In-Service via APC
1	13	62	0.35	DSI	H06	0.03	ODSCC TSP AXIAL	In-Service via APC
1	15	3	0.71	DSI	H06	0.06	ODSCC TSP AXIAL	In-Service via APC
1	17	4	0.56	DSI	H06	0.06	ODSCC TSP AXIAL	In-Service via APC

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
1	28	28	0.37	DSI	H06	0	ODSCC TSP AXIAL	In-Service via APC
1	28	46	0.78	DSI	H06	0.25	ODSCC TSP AXIAL	In-Service via APC
1	30	24	0.54	DSI	H06	0.08	ODSCC TSP AXIAL	In-Service via APC
1	35	17	0.41	DSI	H06	0.06	ODSCC TSP AXIAL	In-Service via APC
1	35	44	0.49	DSI	H06	0	ODSCC TSP AXIAL	In-Service via APC
1	40	34	0.32	DSI	H06	0.06	ODSCC TSP AXIAL	In-Service via APC
1	44	39	0.57	DSI	H06	0.03	ODSCC TSP AXIAL	In-Service via APC
2	2	88	0.64	DSI	H06	0.03	ODSCC TSP AXIAL	In-Service via APC
2	4	77	0.17	DSI	H06	0	ODSCC TSP AXIAL	In-Service via APC
2	4	86	0.51	DSI	H06	0.06	ODSCC TSP AXIAL	In-Service via APC
2	6	12	0.08	DSI	H06	0.06	ODSCC TSP AXIAL	In-Service via APC
2	6	29	0.15	DSI	H06	0.03	ODSCC TSP AXIAL	In-Service via APC
2	6	68	0.21	DSI	H06	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	9	24	0.48	DSI	H06	-0.24	ODSCC TSP AXIAL	In-Service via APC
2	11	19	0.41	DSI	H06	0	ODSCC TSP AXIAL	In-Service via APC
2	22	58	0.35	DSI	H06	0.09	ODSCC TSP AXIAL	In-Service via APC
2	26	59	0.46	DSI	H06	0.09	ODSCC TSP AXIAL	In-Service via APC
2	32	20	0.53	DSI	H06	0.12	ODSCC TSP AXIAL	In-Service via APC
2	42	64	0.73	DSI	H06	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	42	66	1.52	DSI	H06	0.06	ODSCC TSP AXIAL	In-Service via APC
2	42	67	1.4	DSI	H06	0.12	ODSCC TSP AXIAL	In-Service via APC
3	2	25	0.36	DSI	H06	0.03	ODSCC TSP AXIAL	In-Service via APC
3	2	26	0.52	DSI	H06	0.06	ODSCC TSP AXIAL	In-Service via APC
3	2	66	0.4	DSI	H06	0.03	ODSCC TSP AXIAL	In-Service via APC
3	3	3	0.64	DSI	H06	0	ODSCC TSP AXIAL	In-Service via APC
3	3	19	0.6	DSI	H06	0	ODSCC TSP AXIAL	In-Service via APC
3	3	68	0.39	DSI	H06	0.12	ODSCC TSP AXIAL	In-Service via APC
3	4	74	0.54	DSI	H06	0	ODSCC TSP AXIAL	In-Service via APC
3	4	82	0.49	DSI	H06	0	ODSCC TSP AXIAL	In-Service via APC
3	5	4	0.79	DSI	H06	-0.03	ODSCC TSP AXIAL	Plugged
3	7	81	0.49	DSI	H06	-0.09	ODSCC TSP AXIAL	In-Service via APC
3	8	13	0.45	DSI	H06	-0.03	ODSCC TSP AXIAL	In-Service via APC
3	8	20	0.41	DSI	H06	0	ODSCC TSP AXIAL	In-Service via APC
3	8	70	0.37	DSI	H06	-0.06	ODSCC TSP AXIAL	In-Service via APC
3	11	16	0.3	DSI	H06	0.09	ODSCC TSP AXIAL	In-Service via APC
3	11	17	0.47	DSI	H06	0.03	ODSCC TSP AXIAL	In-Service via APC
3	12	7	0.43	DSI	H06	0.06	ODSCC TSP AXIAL	In-Service via APC
3	13	13	0.39	DSI	H06	0.09	ODSCC TSP AXIAL	In-Service via APC
3	13	17	0.32	DSI	H06	0.06	ODSCC TSP AXIAL	In-Service via APC
3	14	26	0.45	DSI	H06	0.06	ODSCC TSP AXIAL	In-Service via APC
3	14	27	0.39	DSI	H06	0.03	ODSCC TSP AXIAL	In-Service via APC
3	20	60	0.39	DSI	H06	-0.12	ODSCC TSP AXIAL	In-Service via APC
3	20	80	0.38	DSI	H06	0.03	ODSCC TSP AXIAL	In-Service via APC
3	23	32	0.76	DSI	H06	0.06	ODSCC TSP AXIAL	In-Service via APC
3	25	14	0.61	DSI	H06	0.03	ODSCC TSP AXIAL	In-Service via APC
3	26	22	0.57	DSI	H06	0.06	ODSCC TSP AXIAL	In-Service via APC
3	27	68	0.23	DSI	H06	-0.03	ODSCC TSP AXIAL	In-Service via APC

Table 4
Indications

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
3	27	79	0.49	DSI	H06	0.06	ODSCC TSP AXIAL	In-Service via APC
3	38	32	1.03	DSI	H06	0	ODSCC TSP AXIAL	In-Service via APC
3	41	36	1.1	DSI	H06	0.09	ODSCC TSP AXIAL	In-Service via APC
3	42	50	0.43	DSI	H06	0.03	ODSCC TSP AXIAL	In-Service via APC
4	4	8	0.5	DSI	H06	0	ODSCC TSP AXIAL	In-Service via APC
4	4	14	0.43	DSI	H06	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	4	28	0.35	DSI	H06	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	4	89	0.43	DSI	H06	0	ODSCC TSP AXIAL	In-Service via APC
4	4	90	0.62	DSI	H06	0	ODSCC TSP AXIAL	In-Service via APC
4	9	15	0.24	DSI	H06	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	12	39	0.72	DSI	H06	0.03	ODSCC TSP AXIAL	In-Service via APC
4	18	16	0.42	DSI	H06	0.12	ODSCC TSP AXIAL	In-Service via APC
4	18	36	0.49	DSI	H06	-0.14	ODSCC TSP AXIAL	In-Service via APC
4	20	17	0.24	DSI	H06	0.09	ODSCC TSP AXIAL	In-Service via APC
4	20	25	0.43	DSI	H06	0.06	ODSCC TSP AXIAL	In-Service via APC
4	20	27	0.47	DSI	H06	0.03	ODSCC TSP AXIAL	In-Service via APC
4	20	38	0.53	DSI	H06	0	ODSCC TSP AXIAL	In-Service via APC
4	20	46	0.78	DSI	H06	0.06	ODSCC TSP AXIAL	In-Service via APC
4	20	47	0.31	DSI	H06	0	ODSCC TSP AXIAL	Plugged
4	20	53	0.25	DSI	H06	0.09	ODSCC TSP AXIAL	In-Service via APC
4	20	58	0.29	DSI	H06	0.06	ODSCC TSP AXIAL	In-Service via APC
4	21	13	0.48	DSI	H06	0	ODSCC TSP AXIAL	In-Service via APC
4	21	15	0.43	DSI	H06	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	22	17	0.36	DSI	H06	0.12	ODSCC TSP AXIAL	In-Service via APC
4	23	45	0.44	DSI	H06	0.09	ODSCC TSP AXIAL	In-Service via APC
4	23	54	6.55	DSI	H06	0	ODSCC TSP AXIAL	Plugged
4	23	73	0.34	DSI	H06	0.03	ODSCC TSP AXIAL	In-Service via APC
4	26	27	0.34	DSI	H06	0.03	ODSCC TSP AXIAL	In-Service via APC
4	26	31	0.26	DSI	H06	0	ODSCC TSP AXIAL	In-Service via APC
4	27	62	0.24	DSI	H06	0.12	ODSCC TSP AXIAL	In-Service via APC
4	28	24	0.25	DSI	H06	0	ODSCC TSP AXIAL	In-Service via APC
4	29	19	0.67	DSI	H06	0.21	ODSCC TSP AXIAL	In-Service via APC
4	29	59	0.41	DSI	H06	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	30	80	0.29	DSI	H06	0	ODSCC TSP AXIAL	In-Service via APC
4	31	51	0.52	DSI	H06	-0.21	ODSCC TSP AXIAL	In-Service via APC
4	34	71	0.57	DSI	H06	0	ODSCC TSP AXIAL	In-Service via APC
4	35	46	0.49	DSI	H06	0.03	ODSCC TSP AXIAL	In-Service via APC
4	36	67	0.15	DSI	H06	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	2	17	0.55	DSI	H07	0	ODSCC TSP AXIAL	In-Service via APC
1	3	63	0.42	DSI	H07	-0.03	ODSCC TSP AXIAL	In-Service via APC
1	6	49	0.53	DSI	H07	0	ODSCC TSP AXIAL	In-Service via APC
1	13	42	0.3	DSI	H07	0.06	ODSCC TSP AXIAL	In-Service via APC
1	18	6	0.15	DSI	H07	0.03	ODSCC TSP AXIAL	In-Service via APC
1	42	40	0.49	DSI	H07	-0.19	ODSCC TSP AXIAL	In-Service via APC
2	8	62	0.23	DSI	H07	0.15	ODSCC TSP AXIAL	In-Service via APC
2	13	92	0.14	SAI	H07	0.26	ODSCC TSP AXIAL	Plugged
2	25	9	0.43	DSI	H07	-0.09	ODSCC TSP AXIAL	In-Service via APC

SQN Unit 2 Cycle 16
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Table 4
Indications

SG	ROW	COL	VOLTS	INDICATION	LOC1	LOC2	CHARACTERIZATION	RESOLUTION
2	33	50	0.24	DSI	H07	0.03	ODSCC TSP AXIAL	In-Service via APC
3	19	69	0.36	DSI	H07	-0.06	ODSCC TSP AXIAL	In-Service via APC
4	11	68	0.4	DSI	H07	0.2	ODSCC TSP AXIAL	In-Service via APC
4	19	58	0.19	DSI	H07	0.03	ODSCC TSP AXIAL	In-Service via APC
4	20	25	0.22	DSI	H07	-0.03	ODSCC TSP AXIAL	In-Service via APC
4	26	57	0.26	DSI	H07	0.03	ODSCC TSP AXIAL	In-Service via APC
4	28	14	0.43	DSI	H07	0.06	ODSCC TSP AXIAL	In-Service via APC
4	29	18	1.47	DSI	H07	0	ODSCC TSP AXIAL	In-Service via APC
4	29	27	0.34	DSI	H07	0.03	ODSCC TSP AXIAL	In-Service via APC
4	31	59	0.5	DSI	H07	-0.03	ODSCC TSP AXIAL	In-Service via APC
2	8	48	1.84	SAI	CTS	-0.6	PWSCC CTS AXIAL	Plugged
4	2	94	1.85	SAI	CTS	-10.18	PWSCC CTS AXIAL	Plugged
4	2	94	2.05	SAI	CTS	-10.41	PWSCC CTS AXIAL	Plugged
4	21	83	1.38	SAI	CTS	-7.2	PWSCC CTS AXIAL	Plugged
4	21	83	1.93	SAI	CTS	-7.1	PWSCC CTS AXIAL	Plugged
2	12	88	0.47	SAI	HTS	-0.81	PWSCC HTS AXIAL	Plugged
2	20	63	0.5	SAI	HTS	-0.19	PWSCC HTS AXIAL	Plugged
3	1	24	0.49	SAI	HTS	-5.22	PWSCC HTS AXIAL	Plugged
3	1	62	0.36	SAI	HTS	-1.44	PWSCC HTS AXIAL	Plugged
4	11	61	0.72	SAI	HTS	-0.47	PWSCC HTS AXIAL	Plugged
2	11	57	0.4	SCI	HTS	-0.19	PWSCC HTS CIRC	Plugged
3	8	17	0.45	SCI	HTS	-0.14	PWSCC HTS CIRC	Plugged
2	10	19	0.74	SVI	CTS	-2.24	VOLUMETRIC	Plugged
2	18	11	0.22	SVI	H01	0.32	VOLUMETRIC	Plugged
3	14	39	0.63	SVI	H01	-0.07	VOLUMETRIC	Plugged