Duke Energy®

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February 6, 2013

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

SUBJECT: Duke Energy Carolinas, LLC
McGuire Nuclear Station
Docket No. 50-370
Steam Generator In-Service Inspection Summary Report
Unit 2, End of Cycle (EOC) 21

Pursuant to ASME Section XI and McGuire Technical Specification 5.6.8, Duke Energy hereby submits the attached Steam Generator In-Service Inspection Summary Report for the McGuire Unit 2 EOC 21 refueling outage.

Questions regarding the attached report should be directed to Kay Crane, McGuire Regulatory Affairs at (980) 875-4306.

H. D. Brewer for

Steven D. Capps

Attachment

A047
NRR

xc:

Mr. Victor McCree
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John Zeiler
NRC Senior Resident Inspector
McGuire Nuclear Station

Steam Generator
In-service Inspection Summary Report

McGuire Nuclear Station
Unit 2 EOC 21
Fall Outage 2012

Location: McGuire Nuclear Station, 12700 Hagers Ferry Road Huntersville, N.C. 28078-9340

NRC Docket No. 50-370
National Board No. 84

Commercial Service Date: March 1, 1984

Owner: Duke Energy Carolinas, LLC
526 South Church St.
Charlotte, N.C. 28202

Revision 0

Prepared By: _____ Date: 1/28/13

Checked By: Eileen E. Hurley Date: 1/29/2013

Approved By: P.W. Bowning Date: 1/30/2013

Document Completion Date: 1/30/2013

Controlled Distribution

Copy No.	Assigned To
Original	McGuire Nuclear Station Document Control Master File MC 1201.35
1	NRC Document Control

Uncontrolled Distribution

2	Hartford Steam Boiler Inspection and Insurance Corporation (AIA)
3	State of North Carolina Department of Labor

FORM NIS-1 OWNER'S DATA REPORT FOR INSERVICE INSPECTIONS

As required by the Provisions of the ASME Code Rules

1. Owner: Duke Energy Corporation, 526 S. Church St.. Charlotte, NC 28201-1006
(Name and Address of Owner)

2. Plant: McGuire Nuclear Station, 12700 Hagers Ferry Rd, Huntersville, NC 28078-9340
(Name and Address of Plant)

3. Plant Unit: 2

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

5. Commercial Service Date: March 1, 1984

6. National Board Number for Unit 84

7. Components Inspected:

Component	Manufacturer	Manufacturer Serial No.	State or Province No.	National Board No.
Steam Generator 2A	BWI	7700-02	NC-302674	159
Steam Generator 2B	BWI	7700-04	NC-302675	161
Steam Generator 2C	BWI	7700-01	NC-302676	158
Steam Generator 2D	BWI	7700-03	NC-302677	160

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

FORM NIS-1 (Back)

8. Examination Dates April 4th. 2011 to November 29th, 2012

9. Inspection Period Identification: Third Period

10. Inspection Interval Identification: Third Interval

11. Applicable Edition of Section XI 1998 Addenda 2000

12. Date/Revision of Inspection Plan: March 26th, 2008 Revision 1

13. Abstract of Examinations and Test. Reference attached response to technical specification 5.6.8 Steam Generator Tube Inspection Report.

14. Abstract of Results of Examination and Tests. Reference attached response to technical specification 5.6.8 Steam Generator Tube Inspection Report.

15. Abstract of Corrective Measures. Reference attached response to technical specification 5.6.8 Steam Generator Tube Inspection Report.

We certify that a) the statements made in this report are correct b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI, and c) corrective measures taken conform to the rules of the ASME Code, Section XI.

Certificate of Authorization No. (if applicable) NA Expiration Date NA

Date Jan 28th 20 13 Signed Duke Energy Corp. By
Owner

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of NC employed by *The Hartford Steam Boiler Inspection & Insurance Company of Connecticut have inspected the components described in this Owner's Report during the period 4-4-2011 to 11-29-2012, and state that to the best of my knowledge and belief, the Owner has performed examinations and tests and taken corrective measures described in the Owner's Report in accordance with the Inspection Plan and as required by the ASME Code, Section XI.

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

Jerome F. Swan Commissions NB11473, NC1584, A, N, I, NS
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/11 20 13

* The Hartford Steam Boiler Inspection & Insurance Company of Connecticut
200 Ashford Center North
Suite 205
Atlanta, GA. 30338

McGuire 2 EOC 21 Steam Generator Tube Inspection Report

Pursuant to ASME Section XI and McGuire Technical Specification 5.6.8 the following information is provided:

a. The scope of inspections performed on each SG

Baseline inspection scope included full length data acquisition and bobbin coil data analysis on all four (4) steam generators as follows:

1) *50% random sample of all tubes in all four Steam Generators.*
2) *All tubes with previous indications, e.g., wear, DNT, PLP, etc.*
3) *All tubes surrounding plugged tubes.*
4) *Periphery tubes two rows deep in the hot leg and cold leg (outer perimeter and open lane).*

Special interest inspection scope included data acquisition and array data analysis as follows:

1) *Periphery tubes (5 tubes in from periphery) from top of tubesheet to the first support in both hot leg (TSH to 01H) and cold leg (TSC to 01C).*
2) *Bounding inspection two tubes deep for tubes plugged last inspection for loose parts.*
3) *All new DNT and new TWD reported during EOC21.*
4) *All DNT like anomalies at the top of tubesheet in SG A.*
5) *All bobbin I-codes and PLP.*
6) *All confirmed ECT PLP calls from the previous inspection.*

Plug inspection scope as follows:

1) *Visual inspection of all plugs*

Secondary Side visual inspection scope as follows:

1) *Top of tubesheet, five tube pitches deep from the periphery and tube free lane in all four Steam Generators for loose parts.*
2) *Steam Drum inspection and seventh lateral support in the 2A SG.*

b. Active degradation mechanisms found

Tube wear at support structures and from loose parts was the only degradation mechanism found.

c. Non-destructive examination techniques utilized for each degradation mechanism

Bobbin was used to detect wear at support structures. Bobbin, array, and +Point were used to detect and characterize wear from loose objects.

d. Location, orientation (if linear), and measured sizes (if available) of service induced indications

The complete listing for service induced indications is referenced in attachment #1.

e. Number of tubes plugged during the inspection outage for each active degradation mechanism

In the 2B SG five tubes were plugged as a preventive measure due to a foreign object that could not be removed. In the 2C SG eight tubes were plugged due to wear and as a preventive measure associated with a foreign object that could not be removed.

f. The total number and percentage of tubes plugged to date

Tubes Plugged					
Steam Generator	**A**	**B**	**C**	**D**	**Total**
Prior to 2EOC21	20	3	5	5	33
2EOC21	0	5	8	0	13
Total	20	8	13	5	46
% Plugged	0.30%	0.12%	0.20%	0.08%	0.17%

g. The results of condition monitoring, including the results of tube pulls and in-situ pressure testing

An NDE maximum depth call of 49% TW or less is sufficient to demonstrate a minimum degraded tube burst pressure of 3ΔP at 0.95 probability with 50% confidence for wear at support structures. This calculation considers a potential 2% MUR power uprate at McGuire Unit 2 and associated increase in the operating pressure from the previously used value of 3,900 psi to 4,125 psi. This value is especially conservative as the uprate has not yet been performed. The worst case support structure wear call observed during the McGuire 2EOC21 inspection for wear at structures was 27% TW. Therefore, condition monitoring structural integrity has been demonstrated for support structure wear. Since the burst pressure equation treats though-wall tearing as coincident with burst, demonstration of structural integrity also demonstrates leakage integrity at the lower differential pressure of a postulated steam line break accident.

In addition to structural support wear, there was one tube in SG 2C which exhibited two indications of foreign object wear. This tube (Row 109, Column 72) and those surrounding the foreign object were plugged because the part could not be retrieved. Both indications were examined with a +Point probe to demonstrate condition monitoring acceptability. The EPRI Steam Generator In Situ Pressure Test Guidelines provide screening criteria for foreign object wear with a +Point exam. The acceptance criterion is quoted below for foreign object wear:

"For foreign object wear and cold leg thinning if VM $\leq$ 2 volts and axial length

is ≤ 1 inch, condition monitoring is met for structural integrity and a proof test is not necessary."

The +Point sizing of the foreign object wear indications in SG 2C were 0.49 and 0.52 volts and were 0.23 and 0.38 inches for a combined length of 0.61 inches, thus easily meeting condition monitoring requirements.

All plugs were visually inspected. No anomalies of plugs were found.

Secondary side inspections were performed on all four SG's at the lower tubesheet. A number of foreign objects were identified in the tubesheet region. These foreign objects were either removed, evaluated to be acceptable to leave in place, or surrounding tubes were preventively plugged.

A Steam Drum and 7th lattice grid visual inspection was performed in the 2A SG. Some expected erosion of the primary and secondary separators was noted. No other issues were noted.

No in-situ testing was required or performed. No tube pulls were performed.

h. The effective plugging percentage for all plugging in each SG

The effective plugging percentage for each of the McGuire Unit 2 Steam Generators is identical to those shown in section (f) above.

Attachment #1 Location, orientation, and measured sizes of service induced indications

ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCN	INCH1	INCH2	UTIL1	UTIL2	CRLEN	CRWID	CEG	BEGT	ENDT	PDIA	PTYPE	CAL	L	U2	U1
59	18	.17	0	PCT	8	P2	06H	.53		WAR					TEH	TEC	.560	ZBAZC	71	C		
49	32	.15	0	PCT	6	P2	FB5	-.86		WAR					TEH	TEC	.560	ZBAZC	67	C		
67	34	.17	0	PCT	7	P2	04H	.59		WAR					TEH	TEC	.560	ZBAZC	67	C		
11	42	.19	0	PCT	9	P2	05H	-1.79		WAR					CBH	TEH	.560	ZBAZC	10	H		
64	51	.10	0	PCT	6	P2	FB5	.76		WAR					TEH	TEC	.560	ZBAZC	65	C		
82	51	.20	0	PCT	10	P2	FB4	-1.31		WAR					TEH	TEC	.560	ZBAZC	65	C		
52	57	.12	0	PCT	6	P2	FB4	-.79		WAR					TEH	TEC	.560	ZBAZC	59	C		
62	57	.20	0	PCT	10	P2	FB4	1.43		WAR					TEH	TEC	.560	ZBAZC	59	C		
104	59	.29	0	PCT	12	P2	FB4	1.13		WAR					TEH	TEC	.560	ZBAZC	61	C		
65	60	.34	0	PCT	14	P2	FB5	1.62		WAR					TEH	TEC	.560	ZBAZC	61	C		
73	62	.20	0	PCT	9	P2	FB7	-2.00		WAR					TEH	TEC	.560	ZBAZC	61	C		
101	62	.10	0	PCT	4	P2	FB4	1.57		WAR					TEH	TEC	.560	ZBAZC	61	C		
62	63	.17	0	PCT	9	P2	FB5	1.51		WAR					TEH	TEC	.560	ZBAZC	59	C		
66	63	.11	0	PCT	6	P2	FB4	-1.64		WAR					TEH	TEC	.560	ZBAZC	59	C		
80	63	.18	0	PCT	9	P2	FB4	.81		WAR					TEH	TEC	.560	ZBAZC	59	C		
88	63	.27	0	PCT	13	P2	FB5	.94		WAR					TEH	TEC	.560	ZBAZC	59	C		
99	64	.11	0	PCT	6	P2	FB5	1.68		WAR					TEH	TEC	.560	ZBAZC	59	C		
105	64	.14	0	PCT	7	P2	FB4	.57		WAR					TEH	TEC	.560	ZBAZC	59	C		
54	65	.12	0	PCT	5	P2	FB5	1.51		WAR					TEH	TEC	.560	ZBAZC	61	C		
74	65	.23	0	PCT	10	P2	FB5	-1.03		WAR					TEH	TEC	.560	ZBAZC	61	C		
76	65	.23	0	PCT	10	P2	FB5	.64		WAR					TEH	TEC	.560	ZBAZC	61	C		
61	66	.20	0	PCT	8	P2	FB6	1.88		WAR					TEH	TEC	.560	ZBAZC	57	C		
97	66	.19	0	PCT	8	P2	FB4	1.30		WAR					TEH	TEC	.560	ZBAZC	57	C		
116	67	.19	0	PCT	10	P2	FB4	1.04		WAR					TEH	TEC	.560	ZBAZC	59	C		
91	68	.12	0	PCT	6	P2	FB3	.60		WAR					TEH	TEC	.560	ZBAZC	55	C		
97	68	.16	0	PCT	9	P2	FB3	.40		WAR					TEH	TEC	.560	ZBAZC	55	C		
97	68	.20	0	PCT	10	P2	FB5	-.57		WAR					TEH	TEC	.560	ZBAZC	55	C		
101	68	.12	0	PCT	7	P2	FB6	1.63		WAR					TEH	TEC	.560	ZBAZC	55	C		
80	69	.44	0	PCT	16	P2	FB4	1.44		WAR					TEH	TEC	.560	ZBAZC	57	C		
88	69	.36	0	PCT	14	P2	FB5	-1.76		WAR					TEH	TEC	.560	ZBAZC	57	C		
92	69	.24	0	PCT	10	P2	FB5	-1.73		WAR					TEH	TEC	.560	ZBAZC	57	C		
61	70	.21	0	PCT	9	P2	FB5	1.51		WAR					TEH	TEC	.560	ZBAZC	57	C		
79	70	.20	0	PCT	8	P2	FB5	.58		WAR					TEH	TEC	.560	ZBAZC	57	C		
105	70	.35	0	PCT	14	P2	FB5	.60		WAR					TEH	TEC	.560	ZBAZC	57	C		
111	70	.23	0	PCT	9	P2	FB4	-1.45		WAR					TEH	TEC	.560	ZBAZC	57	C		
111	70	.79	0	PCT	25	P2	FB5	.71		WAR					TEH	TEC	.560	ZBAZC	57	C		
111	70	.38	0	PCT	15	P2	FB6	1.92		WAR					TEH	TEC	.560	ZBAZC	57	C		
62	71	.09	0	PCT	4	P2	FB4	-1.01		WAR					TEH	TEC	.560	ZBAZC	55	C		
86	73	.80	0	PCT	25	P2	FB5	-1.06		WAR					TEH	TEC	.560	ZBAZC	57	C		
85	74	.36	0	PCT	14	P2	07H	.50		WAR					TEH	TEC	.560	ZBAZC	57	C		
111	74	.18	0	PCT	7	P2	FB4	1.46		WAR					TEH	TEC	.560	ZBAZC	57	C		
80	75	.14	0	PCT	7	P2	FB4	1.52		WAR					TEH	TEC	.560	ZBAZC	55	C		
84	75	.20	0	PCT	10	P2	08H	.62		WAR					TEH	TEC	.560	ZBAZC	55	C		
96	75	.14	0	PCT	7	P2	FB6	.55		WAR					TEH	TEC	.560	ZBAZC	55	C		
55	76	.07	0	PCT	3	P2	FB5	-.38		WAR					TEH	TEC	.560	ZBAZC	55	C		
71	76	.23	0	PCT	11	P2	FB4	-.87		WAR					TEH	TEC	.560	ZBAZC	55	C		
71	76	.27	0	PCT	13	P2	FB5	1.00		WAR					TEH	TEC	.560	ZBAZC	55	C		
101	76	.17	0	PCT	8	P2	FB6	.63		WAR					TEH	TEC	.560	ZBAZC	55	C		
107	76	.09	0	PCT	4	P2	FB4	-.76		WAR					TEH	TEC	.560	ZBAZC	55	C		
117	76	.65	0	PCT	22	P2	FB3	1.36		WAR					TEH	TEC	.560	ZBAZC	57	C		
117	76	.21	0	PCT	9	P2	FB4	.89		WAR					TEH	TEC	.560	ZBAZC	57	C		
117	76	.76	0	PCT	24	P2	FB5	-1.77		WAR					TEH	TEC	.560	ZBAZC	57	C		
70	77	.22	0	PCT	9	P2	FB4	-.73		WAR					TEH	TEC	.560	ZBAZC	57	C		
86	77	.29	0	PCT	14	P2	FB4	-1.18		WAR					TEH	TEC	.560	ZBAZC	55	C		
100	77	.11	0	PCT	5	P2	FB5	-.89		WAR					TEH	TEC	.560	ZBAZC	55	C		
106	77	.25	0	PCT	12	P2	FB4	1.41		WAR					TEH	TEC	.560	ZBAZC	55	C		
110	77	.42	0	PCT	18	P2	FB4	-1.07		WAR					TEH	TEC	.560	ZBAZC	55	C		

| ROW | COL | VOLTS | DEG | IND | PER | CHN | LOCN | INCH1 | INCH2 | UTIL1 | UTIL2 | CRLEN | CRWID | CEG | BEGT | ENDT | PDIA | PTYPE | CAL | L | U2 | U1 |

ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCN	INCH1	INCH2	UTIL1	UTIL2	CRLEN	CRWID	CEG	BEGT	ENDT	PDIA	PTYPE	CAL	L	U2	U1
110	77	.31	0	PCT	14	P2	FB5	-1.17		WAR					TEH	TEC	.560	ZBAZC	55	C		
110	77	.23	0	PCT	11	P2	FB7	.57		WAR					TEH	TEC	.560	ZBAZC	55	C		
114	77	.17	0	PCT	9	P2	FB6	.48		WAR					TEH	TEC	.560	ZBAZC	55	C		
95	78	.17	0	PCT	9	P2	FB5	-1.21		WAR					TEH	TEC	.560	ZBAZC	55	C		
101	78	.30	0	PCT	14	P2	FB3	1.61		WAR					TEH	TEC	.560	ZBAZC	55	C		
107	78	.32	0	PCT	15	P2	FB3	1.79		WAR					TEH	TEC	.560	ZBAZC	55	C		
107	78	.25	0	PCT	12	P2	FB4	.66		WAR					TEH	TEC	.560	ZBAZC	55	C		
115	78	.48	0	PCT	18	P2	FB4	-.53		WAR					TEH	TEC	.560	ZBAZC	57	C		
115	78	.70	0	PCT	23	P2	FB6	-1.34		WAR					TEH	TEC	.560	ZBAZC	57	C		
115	78	.26	0	PCT	13	P2	FB7	1.46		WAR					TEH	TEC	.560	ZBAZC	57	C		
72	79	.12	0	PCT	6	P2	FB4	1.34		WAR					TEH	TEC	.560	ZBAZC	55	C		
69	80	.16	0	PCT	8	P2	FB5	1.13		WAR					TEH	TEC	.560	ZBAZC	55	C		
80	81	.15	0	PCT	7	P2	FB4	-1.58		WAR					TEH	TEC	.560	ZBAZC	53	C		
75	82	.27	0	PCT	11	P2	FB4	-1.29		WAR					TEH	TEC	.560	ZBAZC	57	C		
83	82	.18	0	PCT	7	P2	FB5	-.68		WAR					TEH	TEC	.560	ZBAZC	57	C		
115	82	.24	0	PCT	11	P2	FB2	-1.33		WAR					TEH	TEC	.560	ZBAZC	53	C		
115	82	.37	0	PCT	15	P2	FB3	-.65		WAR					TEH	TEC	.560	ZBAZC	53	C		
115	82	.31	0	PCT	13	P2	FB4	1.11		WAR					TEH	TEC	.560	ZBAZC	53	C		
115	82	.15	0	PCT	9	P2	FB5	-1.96		WAR					TEH	TEC	.560	ZBAZC	53	C		
48	83	.15	0	PCT	8	P2	FB4	1.26		WAR					TEH	TEC	.560	ZBAZC	51	C		
86	83	.20	0	PCT	10	P2	FB5	1.06		WAR					TEH	TEC	.560	ZBAZC	51	C		
96	83	.23	0	PCT	11	P2	FB5	.63		WAR					TEH	TEC	.560	ZBAZC	51	C		
108	83	.42	0	PCT	17	P2	FB5	.66		WAR					TEH	TEC	.560	ZBAZC	51	C		
99	84	.40	0	PCT	18	P2	FB4	-1.10		WAR					TEH	TEC	.560	ZBAZC	55	C		
115	84	.12	0	PCT	5	P2	FB4	-1.06		WAR					TEH	TEC	.560	ZBAZC	53	C		
115	84	.27	0	PCT	14	P2	FB4	.65		WAR					TEH	TEC	.560	ZBAZC	53	C		
102	85	.23	0	PCT	13	P2	FB4	1.30		WAR					TEH	TEC	.560	ZBAZC	51	C		
110	85	.22	0	PCT	12	P2	FB3	1.27		WAR					TEH	TEC	.560	ZBAZC	51	C		
110	85	.31	0	PCT	14	P2	FB5	1.01		WAR					TEH	TEC	.560	ZBAZC	51	C		
83	86	.46	0	PCT	18	P2	FB4	.97		WAR					TEH	TEC	.560	ZBAZC	51	C		
95	86	.09	0	PCT	5	P2	FB4	1.22		WAR					TEH	TEC	.560	ZBAZC	51	C		
47	90	.16	0	PCT	7	P2	FB5	.76		WAR					TEH	TEC	.560	ZBAZC	53	C		
85	90	.06	0	PCT	4	P2	FB4	-.77		WAR					TEH	TEC	.560	ZBAZC	53	C		
56	97	.12	0	PCT	7	P2	FB5	1.72		WAR					TEH	TEC	.560	ZBAZC	45	C		
17	116	.13	0	PCT	7	P2	07C	-1.54		WAR					TEH	TEC	.560	ZBAZC	35	C		
17	140	.08	0	PCT	5	P2	FB4	1.64		WAR					TEH	TEC	.560	ZBAZC	37	C		

| ROW | COL | VOLTS | DEG | IND | PER | CHN | LOCN | INCH1 | INCH2 | UTIL1 | UTIL2 | CRLEN | CRWID | CEG | BEGT | ENDT | PDIA | PTYPE | CAL | L | U2 | U1 |

INSPDATE	ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCN	INCH1	INCH2	UTIL1	UTIL2	CRLEN	CRWID	CEG	BEGT	ENDT	PDIA	PTYPE	CAL	L
2012/10/01	89	56	.18	0	PCT	10	P2	FB4	1.50		WAR					TEH	TEC	.560	ZBAZC	39	C
2012/10/01	107	56	.13	0	PCT	8	P2	FB4	-.80		WAR					TEH	TEC	.560	ZBAZC	39	C
2012/10/01	104	59	.12	0	PCT	8	P2	FB4	-1.46		WAR					TEH	TEC	.560	ZBAZC	39	C
2012/10/01	106	59	.11	0	PCT	7	P2	FB4	1.33		WAR					TEH	TEC	.560	ZBAZC	39	C
2012/10/01	91	60	.20	0	PCT	12	P2	FB3	-.61		WAR					TEH	TEC	.560	ZBAZC	39	C
2012/10/01	91	60	.25	0	PCT	13	P2	FB4	-.92		WAR					TEH	TEC	.560	ZBAZC	39	C
2012/10/01	91	60	.27	0	PCT	14	P2	FB5	-.92		WAR					TEH	TEC	.560	ZBAZC	39	C
2012/10/01	78	61	.16	0	PCT	9	P2	FB5	-1.62		WAR					TEH	TEC	.560	ZBAZC	37	C
2012/10/01	102	61	.46	0	PCT	19	P2	FB4	-1.44		WAR					TEH	TEC	.560	ZBAZC	37	C
2012/10/01	108	61	.41	0	PCT	17	P2	FB4	.59		WAR					TEH	TEC	.560	ZBAZC	37	C
2012/10/01	108	61	.21	0	PCT	11	P2	FB7	1.79		WAR					TEH	TEC	.560	ZBAZC	37	C
2012/10/01	54	63	.11	0	PCT	7	P2	FB5	1.17		WAR					TEH	TEC	.560	ZBAZC	39	C
2012/10/01	85	64	.22	0	PCT	12	P2	FB7	.72		WAR					TEH	TEC	.560	ZBAZC	39	C
2012/10/01	82	65	.15	0	PCT	9	P2	FB4	-.49		WAR					TEH	TEC	.560	ZBAZC	39	C
2012/10/01	108	65	.15	0	PCT	9	P2	FB4	.63		WAR					TEH	TEC	.560	ZBAZC	39	C
2012/10/01	73	66	.11	0	PCT	7	P2	FB4	.78		WAR					TEH	TEC	.560	ZBAZC	39	C
2012/10/01	77	66	.14	0	PCT	9	P2	FB4	.29		WAR					TEH	TEC	.560	ZBAZC	39	C
2012/10/01	79	66	.16	0	PCT	10	P2	FB4	.67		WAR					TEH	TEC	.560	ZBAZC	39	C
2012/10/01	87	66	.17	0	PCT	10	P2	FB3	.69		WAR					TEH	TEC	.560	ZBAZC	39	C
2012/10/01	91	66	.16	0	PCT	9	P2	FB3	.91		WAR					TEH	TEC	.560	ZBAZC	39	C
2012/10/01	95	66	.13	0	PCT	8	P2	FB3	.65		WAR					TEH	TEC	.560	ZBAZC	39	C
2012/10/01	101	66	.20	0	PCT	9	P2	FB3	.63		WAR					TEH	TEC	.560	ZBAZC	41	C
2012/10/01	103	66	.15	0	PCT	7	P2	FB4	1.29		WAR					TEH	TEC	.560	ZBAZC	41	C
2012/10/01	105	66	.33	0	PCT	14	P2	FB3	.58		WAR					TEH	TEC	.560	ZBAZC	41	C
2012/10/01	107	66	.11	0	PCT	5	P2	FB3	.63		WAR					TEH	TEC	.560	ZBAZC	41	C
2012/10/01	70	67	.19	0	PCT	11	P2	FB5	.58		WAR					TEH	TEC	.560	ZBAZC	39	C
2012/10/01	80	67	.20	0	PCT	11	P2	FB3	-1.84		WAR					TEH	TEC	.560	ZBAZC	39	C
2012/10/01	84	67	.24	0	PCT	13	P2	FB4	1.49		WAR					TEH	TEC	.560	ZBAZC	39	C
2012/10/01	90	67	.41	0	PCT	19	P2	FB4	-1.05		WAR					TEH	TEC	.560	ZBAZC	39	C
2012/10/01	90	67	.33	0	PCT	16	P2	FB5	-1.11		WAR					TEH	TEC	.560	ZBAZC	39	C
2012/10/01	98	67	.19	0	PCT	11	P2	FB3	1.83		WAR					TEH	TEC	.560	ZBAZC	39	C
2012/10/01	91	68	.13	0	PCT	8	P2	FB3	.68		WAR					TEH	TEC	.560	ZBAZC	39	C
2012/10/01	89	70	.13	0	PCT	7	P2	FB3	.00		WAR					TEH	TEC	.560	ZBAZC	41	C
2012/10/01	111	70	.21	0	PCT	13	P2	FB2	.00		WAR					TEH	TEC	.560	ZBAZC	43	C
2012/10/01	111	70	.29	0	PCT	16	P2	FB3	.00		WAR					TEH	TEC	.560	ZBAZC	43	C
2012/10/01	111	70	.27	0	PCT	15	P2	FB4	.00		WAR					TEH	TEC	.560	ZBAZC	43	C
2012/10/01	111	70	.23	0	PCT	13	P2	FB5	.00		WAR					TEH	TEC	.560	ZBAZC	43	C
2012/10/01	111	70	.23	0	PCT	13	P2	FB6	.00		WAR					TEH	TEC	.560	ZBAZC	43	C
2012/10/01	111	70	.17	0	PCT	11	P2	FB7	.00		WAR					TEH	TEC	.560	ZBAZC	43	C
2012/10/01	68	71	.12	0	PCT	8	P2	FB1	.73		WAR					TEH	TEC	.560	ZBAZC	43	C
2012/10/01	99	74	.20	0	PCT	12	P2	FB4	1.11		WAR					TEH	TEC	.560	ZBAZC	43	C
2012/10/01	88	75	.09	0	PCT	6	P2	FB6	1.73		WAR					TEH	TEC	.560	ZBAZC	43	C
2012/10/01	96	75	.09	0	PCT	6	P2	FB6	1.73		WAR					TEH	TEC	.560	ZBAZC	43	C
2012/10/01	98	75	.25	0	PCT	14	P2	FB6	1.63		WAR					TEH	TEC	.560	ZBAZC	43	C
2012/10/01	106	75	.08	0	PCT	5	P2	FB6	1.58		WAR					TEH	TEC	.560	ZBAZC	43	C
2012/10/01	69	76	.14	0	PCT	9	P2	FB4	-1.18		WAR					TEH	TEC	.560	ZBAZC	43	C
2012/10/01	95	76	.15	0	PCT	9	P2	FB6	.70		WAR					TEH	TEC	.560	ZBAZC	43	C
2012/10/01	97	76	.06	0	PCT	4	P2	FB3	1.79		WAR					TEH	TEC	.560	ZBAZC	43	C
2012/10/01	103	76	.08	0	PCT	6	P2	FB3	1.79		WAR					TEH	TEC	.560	ZBAZC	43	C
2012/10/01	78	77	.17	0	PCT	11	P2	FB2	.77		WAR					TEH	TEC	.560	ZBAZC	47	C
2012/10/01	65	78	.06	0	PCT	3	P2	FB4	-.95		WAR					TEH	TEC	.560	ZBAZC	47	C
2012/10/01	81	78	.21	0	PCT	13	P2	FB5	.95		WAR					TEH	TEC	.560	ZBAZC	47	C
2012/10/01	73	86	.19	0	PCT	13	P2	FB5	.76		WAR					TEH	TEC	.560	ZBAZC	51	C
2012/10/01	64	87	.05	0	PCT	3	P2	FB2	-2.14		WAR					TEH	TEC	.560	ZBAZC	45	C
2012/10/01	81	88	.17	0	PCT	9	P2	09H	.71		WAR					TEH	TEC	.560	ZBAZC	49	C
2012/10/01	72	89	.08	0	PCT	6	P2	FB8	.89		WAR					TEH	TEC	.560	ZBAZC	43	C
2012/10/01	62	93	.20	0	PCT	11	P2	FB5	1.54		WAR					TEH	TEC	.560	ZBAZC	51	C
INSPDATE	ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCN	INCH1	INCH2	UTIL1	UTIL2	CRLEN	CRWID	CEG	BEGT	ENDT	PDIA	PTYPE	CAL	L

INSPDATE	ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCN	INCH1	INCH2	UTIL1	UTIL2	CRLEN	CRWID	CEG	BEGT	ENDT	PDIA	PTYPE	CAL	L
2012/10/01	42	95	.17	0	PCT	9	P2	05H	-1.91		WAR					TEH	TEC	.560	ZBAZC	49	C
2012/10/01	40	97	.17	0	PCT	10	P2	04H	.61		WAR					TEH	TEC	.560	ZBAZC	43	C
2012/10/01	49	102	.16	0	PCT	11	P2	06H	-1.56		WAR					TEH	TEC	.560	ZBAZC	55	C

| INSPDATE | ROW | COL | VOLTS | DEG | IND | PER | CHN | LOCN | INCH1 | INCH2 | UTIL1 | UTIL2 | CRLEN | CRWID | CEG | BEGT | ENDT | PDIA | PTYPE | CAL | L |

INSPDATE	ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCN	INCH1	INCH2	UTIL1	UTIL2	CRLEN	CRWID	CEG	BEGT	ENDT	PDIA	PTYPE	CAL	L
2012/10/01	41	14	.09	0	PCT	6	P2	FB5	-1.61		WAR					TEH	TEC	.560	ZBAZC	67	C
2012/10/01	67	44	.12	0	PCT	6	P2	FB4	1.59		WAR					TEH	TEC	.560	ZBAZC	59	C
2012/10/01	52	45	.09	0	PCT	5	P2	FB4	.73		WAR					TEH	TEC	.560	ZBAZC	55	C
2012/10/01	68	49	.13	0	PCT	9	P2	FB5	-.60		WAR					TEH	TEC	.560	ZBAZC	55	C
2012/10/01	47	50	.17	0	PCT	14	P2	FB4	.55		WAR					TEH	TEC	.560	ZBAZC	57	C
2012/10/01	58	51	.09	0	PCT	7	P2	FB4	-1.04		WAR					TEH	TEC	.560	ZBAZC	57	C
2012/10/01	63	52	.11	0	PCT	7	P2	FB5	-.78		WAR					TEH	TEC	.560	ZBAZC	55	C
2012/10/01	68	53	.08	0	PCT	5	P2	FB4	1.21		WAR					TEH	TEC	.560	ZBAZC	55	C
2012/10/01	65	54	.09	0	PCT	5	P2	FB5	.77		WAR					TEH	TEC	.560	ZBAZC	55	C
2012/10/01	50	55	.09	0	PCT	7	P2	FB4	.84		WAR					TEH	TEC	.560	ZBAZC	57	C
2012/10/01	93	58	.13	0	PCT	6	P2	FB4	1.29		WAR					TEH	TEC	.560	ZBAZC	51	C
2012/10/01	63	60	.06	0	PCT	3	P2	FB5	.73		WAR					TEH	TEC	.560	ZBAZC	53	C
2012/10/01	56	61	.16	0	PCT	7	P2	FB5	1.43		WAR					TEH	TEC	.560	ZBAZC	51	C
2012/10/01	82	61	.13	0	PCT	6	P2	FB4	-1.51		WAR					TEH	TEC	.560	ZBAZC	51	C
2012/10/01	82	61	.15	0	PCT	7	P2	FB5	-1.54		WAR					TEH	TEC	.560	ZBAZC	51	C
2012/10/01	90	61	.33	0	PCT	14	P2	FB4	-.99		WAR					TEH	TEC	.560	ZBAZC	51	C
2012/10/01	68	63	.13	0	PCT	9	P2	FB5	-1.62		WAR					TEH	TEC	.560	ZBAZC	53	C
2012/10/01	61	64	.08	0	PCT	5	P2	FB4	-1.75		WAR					TEH	TEC	.560	ZBAZC	53	C
2012/10/01	71	64	.14	0	PCT	10	P2	FB5	1.31		WAR					TEH	TEC	.560	ZBAZC	53	C
2012/10/01	81	64	.29	0	PCT	17	P2	FB4	1.31		WAR					TEH	TEC	.560	ZBAZC	53	C
2012/10/01	86	65	.11	0	PCT	5	P2	FB5	-.60		WAR					TEH	TEC	.560	ZBAZC	51	C
2012/10/01	57	66	.11	0	PCT	5	P2	FB4	1.36		WAR					TEH	TEC	.560	ZBAZC	51	C
2012/10/01	75	66	.12	0	PCT	5	P2	FB4	-1.13		WAR					TEH	TEC	.560	ZBAZC	51	C
2012/10/01	54	67	.10	0	PCT	7	P2	FB4	-1.65		WAR					TEH	TEC	.560	ZBAZC	53	C
2012/10/01	78	67	.09	0	PCT	7	P2	FB5	-.81		WAR					TEH	TEC	.560	ZBAZC	53	C
2012/10/01	80	67	.61	0	PCT	27	P2	FB5	1.33		WAR					TEH	TEC	.560	ZBAZC	53	C
2012/10/01	75	68	.09	0	PCT	6	P2	FB5	-.84		WAR					TEH	TEC	.560	ZBAZC	53	C
2012/10/01	58	69	.13	0	PCT	6	P2	FB3	1.28		WAR					TEH	TEC	.560	ZBAZC	51	C
2012/10/01	104	69	.11	0	PCT	8	P2	FB4	1.46		WAR					TEH	TEC	.560	ZBAZC	45	C
2012/10/01	106	69	.13	0	PCT	9	P2	FB4	-1.43		WAR					TEH	TEC	.560	ZBAZC	45	C
2012/10/01	62	71	.11	0	PCT	8	P2	FB4	-.97		WAR					TEH	TEC	.560	ZBAZC	53	C
2012/10/01	109	72	.81	58	PCT	27	P43	TSH	.27		LPI		.23	.31	51	01H	TEH	.560	ZYAXP	20	H
2012/10/01	109	72	.91	54	PCT	28	P46	TSH	.39		LPI		.38	.34	56	01H	TEH	.560	ZYAXP	20	H
2012/10/01	109	72	.49	109	SVI		3	TSH	.19							TSH	TSH	.560	ZRS3C	36	H
2012/10/01	109	72	.52	107	SVI		3	TSH	.25							TSH	TSH	.560	ZRS3C	36	H
2012/10/01	113	72	.22	80	PCT	14	P42	TSH	13.88			SSV	.32	.40	66	01H	TEH	.560	ZYAXP	18	H
2012/10/01	58	73	.11	0	PCT	5	P2	FB4	-.65		WAR					TEH	TEC	.560	ZBAZC	51	C
2012/10/01	72	73	.21	0	PCT	14	P2	FB4	-.80		WAR					TEH	TEC	.560	ZBAZC	53	C
2012/10/01	92	73	.23	0	PCT	14	P2	FB5	-1.17		WAR					TEH	TEC	.560	ZBAZC	45	C
2012/10/01	102	73	.15	0	PCT	10	P2	FB4	-1.26		WAR					TEH	TEC	.560	ZBAZC	45	C
2012/10/01	102	73	.20	0	PCT	12	P2	FB5	-1.16		WAR					TEH	TEC	.560	ZBAZC	45	C
2012/10/01	112	73	.24	46	PCT	5	P43	TSH	13.88				.24	.37	61	01H	TEH	.560	ZYAXP	20	H
2012/10/01	54	75	.16	0	PCT	7	P2	FB4	1.02		WAR					TEH	TEC	.560	ZBAZC	51	C
2012/10/01	108	75	.07	0	PCT	5	P2	FB4	-1.69		WAR					TEH	TEC	.560	ZBAZC	43	C
2012/10/01	87	76	.13	0	PCT	8	P2	FB4	1.30		WAR					TEH	TEC	.560	ZBAZC	51	C
2012/10/01	89	76	.13	0	PCT	8	P2	FB4	1.70		WAR					TEH	TEC	.560	ZBAZC	51	C
2012/10/01	95	76	.14	0	PCT	9	P2	FB3	1.54		WAR					TEH	TEC	.560	ZBAZC	43	C
2012/10/01	95	76	.15	0	PCT	9	P2	FB4	-.75		WAR					TEH	TEC	.560	ZBAZC	43	C
2012/10/01	115	76	.21	0	PCT	12	P2	FB3	1.74		WAR					TEH	TEC	.560	ZBAZC	45	C
2012/10/01	115	76	.23	0	PCT	13	P2	FB4	.53		WAR					TEH	TEC	.560	ZBAZC	45	C
2012/10/01	48	77	.13	0	PCT	9	P2	FB5	1.42		WAR					TEH	TEC	.560	ZBAZC	49	C
2012/10/01	102	77	.30	0	PCT	16	P2	FB3	.73		WAR					TEH	TEC	.560	ZBAZC	45	C
2012/10/01	110	77	.14	0	PCT	9	P2	FB3	.75		WAR					TEH	TEC	.560	ZBAZC	45	C
2012/10/01	79	78	.13	0	PCT	9	P2	FB5	1.30		WAR					TEH	TEC	.560	ZBAZC	49	C
2012/10/01	101	78	.14	0	PCT	9	P2	FB6	.71		WAR					TEH	TEC	.560	ZBAZC	45	C
2012/10/01	105	78	.24	0	PCT	14	P2	FB4	1.60		WAR					TEH	TEC	.560	ZBAZC	45	C
INSPDATE	ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCN	INCH1	INCH2	UTIL1	UTIL2	CRLEN	CRWID	CEG	BEGT	ENDT	PDIA	PTYPE	CAL	L

INSPDATE	ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCN	INCH1	INCH2	UTIL1	UTIL2	CRLEN	CRWID	CEG	BEGT	ENDT	PDIA	PTYPE	CAL	L
2012/10/01	107	78	.15	0	PCT	10	P2	FB3	1.76		WAR					TEH	TEC	.560	ZBAZC	45	C
2012/10/01	115	78	.21	0	PCT	13	P2	FB5	1.44		WAR					TEH	TEC	.560	ZBAZC	45	C
2012/10/01	58	79	.18	0	PCT	10	P2	FB5	1.65		WAR					TEH	TEC	.560	ZBAZC	47	C
2012/10/01	80	79	.25	0	PCT	12	P2	FB4	-1.65		WAR					TEH	TEC	.560	ZBAZC	47	C
2012/10/01	82	79	.18	0	PCT	10	P2	FB4	-1.55		WAR					TEH	TEC	.560	ZBAZC	47	C
2012/10/01	86	79	.26	0	PCT	13	P2	FB4	-1.68		WAR					TEH	TEC	.560	ZBAZC	47	C
2012/10/01	92	79	.48	0	PCT	20	P2	FB4	-1.43		WAR					TEH	TEC	.560	ZBAZC	43	C
2012/10/01	110	79	.14	0	PCT	9	P2	FB7	.39		WAR					TEH	TEC	.560	ZBAZC	43	C
2012/10/01	61	80	.20	0	PCT	10	P2	FB5	-1.06		WAR					TEH	TEC	.560	ZBAZC	47	C
2012/10/01	89	80	.18	0	PCT	10	P2	FB4	1.42		WAR					TEH	TEC	.560	ZBAZC	47	C
2012/10/01	93	80	.18	0	PCT	10	P2	FB7	1.95		WAR					TEH	TEC	.560	ZBAZC	43	C
2012/10/01	101	80	.27	0	PCT	15	P2	FB4	1.04		WAR					TEH	TEC	.560	ZBAZC	43	C
2012/10/01	107	80	.16	0	PCT	10	P2	FB7	1.83		WAR					TEH	TEC	.560	ZBAZC	43	C
2012/10/01	111	80	.06	0	PCT	5	P2	FB4	-1.50		WAR					TEH	TEC	.560	ZBAZC	43	C
2012/10/01	111	80	.10	0	PCT	7	P2	FB4	1.22		WAR					TEH	TEC	.560	ZBAZC	43	C
2012/10/01	76	81	.29	0	PCT	17	P2	FB4	-1.45		WAR					TEH	TEC	.560	ZBAZC	49	C
2012/10/01	57	82	.09	0	PCT	7	P2	FB3	-1.46		WAR					TEH	TEC	.560	ZBAZC	49	C
2012/10/01	107	82	.17	0	PCT	11	P2	FB4	-.78		WAR					TEH	TEC	.560	ZBAZC	45	C
2012/10/01	84	83	.26	0	PCT	12	P2	FB5	.61		WAR					TEH	TEC	.560	ZBAZC	47	C
2012/10/01	96	83	.17	0	PCT	10	P2	FB5	-1.56		WAR					TEH	TEC	.560	ZBAZC	43	C
2012/10/01	114	83	.13	0	PCT	8	P2	FB4	-1.59		WAR					TEH	TEC	.560	ZBAZC	43	C
2012/10/01	73	84	.24	0	PCT	15	P2	FB5	1.09		WAR					TEH	TEC	.560	ZBAZC	49	C
2012/10/01	91	84	.12	0	PCT	7	P2	FB6	.57		WAR					TEH	TEC	.560	ZBAZC	43	C
2012/10/01	105	84	.19	0	PCT	12	P2	FB4	1.16		WAR					TEH	TEC	.560	ZBAZC	43	C
2012/10/01	68	85	.24	0	PCT	14	P2	FB5	.98		WAR					TEH	TEC	.560	ZBAZC	49	C
2012/10/01	78	85	.24	0	PCT	14	P2	FB5	1.41		WAR					TEH	TEC	.560	ZBAZC	49	C
2012/10/01	82	85	.11	0	PCT	8	P2	FB5	-.83		WAR					TEH	TEC	.560	ZBAZC	49	C
2012/10/01	88	85	.27	0	PCT	15	P2	FB4	-1.13		WAR					TEH	TEC	.560	ZBAZC	45	C
2012/10/01	98	85	.33	0	PCT	17	P2	FB5	-1.31		WAR					TEH	TEC	.560	ZBAZC	45	C
2012/10/01	51	86	.15	0	PCT	10	P2	FB4	-1.69		WAR					TEH	TEC	.560	ZBAZC	49	C
2012/10/01	99	86	.31	0	PCT	19	P2	FB4	.50		WAR					TEH	TEC	.560	ZBAZC	73	C
2012/10/01	94	87	.27	0	PCT	14	P2	FB5	1.64		WAR					TEH	TEC	.560	ZBAZC	43	C
2012/10/01	71	88	.34	0	PCT	17	P2	FB5	1.73		WAR					TEH	TEC	.560	ZBAZC	47	C
2012/10/01	86	89	.11	0	PCT	6	P2	FB4	1.52		WAR					TEH	TEC	.560	ZBAZC	47	C
2012/10/01	67	90	.16	0	PCT	9	P2	FB4	1.25		WAR					TEH	TEC	.560	ZBAZC	47	C
2012/10/01	110	91	.38	0	PCT	19	P2	FB4	1.31		WAR					TEH	TEC	.560	ZBAZC	29	C
2012/10/01	53	94	.17	0	PCT	11	P2	FB5	1.68		WAR					TEH	TEC	.560	ZBAZC	45	C
2012/10/01	99	100	.25	0	PCT	15	P2	FB4	.94		WAR					TEH	TEC	.560	ZBAZC	29	C

INSPDATE	ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCN	INCH1	INCH2	UTIL1	UTIL2	CRLEN	CRWID	CEG	BEGT	ENDT	PDIA	PTYPE	CAL	L

INSPDATE	ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCN	INCH1	INCH2	UTIL1	UTIL2	CRLEN	CRWID	CEG	BEGT	ENDT	PDIA	PTYPE	CAL	L
2012/10/01	50	23	.12	61	PCT	6	P2	CBC	.84		WAR					TEH	TEC	.560	ZBAZC	23	C
2012/10/01	85	30	.06	0	PCT	3	P2	FB1	.79		WAR					TEH	TEC	.560	ZBAZC	25	C
2012/10/01	32	35	.25	0	PCT	11	P2	07C	-1.75		WAR					TEH	TEC	.560	ZBAZC	19	C
2012/10/01	88	37	.12	0	PCT	6	P2	FB5	.68		WAR					TEH	TEC	.560	ZBAZC	25	C
2012/10/01	103	48	.12	0	PCT	7	P2	FB4	.74		WAR					TEH	TEC	.560	ZBAZC	31	C
2012/10/01	106	53	.22	0	PCT	12	P2	FB4	1.23		WAR					TEH	TEC	.560	ZBAZC	33	C
2012/10/01	97	54	.20	0	PCT	11	P2	FB3	-1.23		WAR					TEH	TEC	.560	ZBAZC	33	C
2012/10/01	94	55	.16	0	PCT	8	P2	FB4	1.26		WAR					TEH	TEC	.560	ZBAZC	35	C
2012/10/01	70	57	.17	0	PCT	9	P2	FB5	.60		WAR					TEH	TEC	.560	ZBAZC	33	C
2012/10/01	61	58	.09	0	PCT	5	P2	FB4	-1.18		WAR					TEH	TEC	.560	ZBAZC	33	C
2012/10/01	73	60	.15	0	PCT	8	P2	FB4	-1.93		WAR					TEH	TEC	.560	ZBAZC	35	C
2012/10/01	75	60	.13	0	PCT	7	P2	FB4	-.85		WAR					TEH	TEC	.560	ZBAZC	35	C
2012/10/01	109	60	.14	0	PCT	7	P2	FB7	.75		WAR					TEH	TEC	.560	ZBAZC	35	C
2012/10/01	90	61	.20	0	PCT	11	P2	FB4	1.22		WAR					TEH	TEC	.560	ZBAZC	33	C
2012/10/01	92	61	.18	0	PCT	10	P2	FB4	1.22		WAR					TEH	TEC	.560	ZBAZC	33	C
2012/10/01	92	61	.11	0	PCT	6	P2	FB7	-1.87		WAR					TEH	TEC	.560	ZBAZC	33	C
2012/10/01	98	61	.16	0	PCT	9	P2	FB7	1.85		WAR					TEH	TEC	.560	ZBAZC	33	C
2012/10/01	100	61	.22	0	PCT	12	P2	FB5	1.64		WAR					TEH	TEC	.560	ZBAZC	33	C
2012/10/01	100	61	.22	0	PCT	12	P2	FB7	1.77		WAR					TEH	TEC	.560	ZBAZC	33	C
2012/10/01	106	61	.21	0	PCT	6	P2	FB6	-1.89		WAR					TEH	TEC	.560	ZBAZC	33	C
2012/10/01	75	62	.16	0	PCT	9	P2	FB4	-1.83		WAR					TEH	TEC	.560	ZBAZC	33	C
2012/10/01	99	62	.16	0	PCT	9	P2	FB4	-.73		WAR					TEH	TEC	.560	ZBAZC	33	C
2012/10/01	99	62	.50	0	PCT	21	P2	FB5	-1.20		WAR					TEH	TEC	.560	ZBAZC	33	C
2012/10/01	105	62	.36	0	PCT	17	P2	FB5	-1.14		WAR					TEH	TEC	.560	ZBAZC	33	C
2012/10/01	116	63	.22	0	PCT	10	P2	FB7	-.42		WAR					TEH	TEC	.560	ZBAZC	35	C
2012/10/01	97	64	.22	0	PCT	11	P2	FB5	1.02		WAR					TEH	TEC	.560	ZBAZC	35	C
2012/10/01	97	64	.14	0	PCT	7	P2	FB7	.67		WAR					TEH	TEC	.560	ZBAZC	35	C
2012/10/01	61	66	.17	0	PCT	7	P2	FB5	1.62		WAR					TEH	TEC	.560	ZBAZC	37	C
2012/10/01	93	66	.33	0	PCT	13	P2	FB5	-.68		WAR					TEH	TEC	.560	ZBAZC	37	C
2012/10/01	70	67	.15	0	PCT	7	P2	FB5	.57		WAR					TEH	TEC	.560	ZBAZC	35	C
2012/10/01	76	67	.25	0	PCT	12	P2	FB5	-1.11		WAR					TEH	TEC	.560	ZBAZC	35	C
2012/10/01	33	68	.11	0	PCT	6	P2	FB5	-.86		WAR					TEH	TEC	.560	ZBAZC	35	C
2012/10/01	95	68	.16	0	PCT	9	P2	FB5	1.56		WAR					TEH	TEC	.560	ZBAZC	39	C
2012/10/01	101	68	.15	0	PCT	8	P2	FB6	1.87		WAR					TEH	TEC	.560	ZBAZC	39	C
2012/10/01	111	68	.15	0	PCT	9	P2	FB3	-.88		WAR					TEH	TEC	.560	ZBAZC	39	C
2012/10/01	111	68	.17	0	PCT	10	P2	FB4	-.78		WAR					TEH	TEC	.560	ZBAZC	39	C
2012/10/01	111	68	.16	0	PCT	10	P2	FB5	1.78		WAR					TEH	TEC	.560	ZBAZC	39	C
2012/10/01	100	69	.38	0	PCT	14	P2	FB6	.72		WAR					TEH	TEC	.560	ZBAZC	37	C
2012/10/01	106	69	.18	0	PCT	8	P2	FB3	1.80		WAR					TEH	TEC	.560	ZBAZC	37	C
2012/10/01	108	69	.21	0	PCT	9	P2	FB3	1.83		WAR					TEH	TEC	.560	ZBAZC	37	C
2012/10/01	108	69	.66	0	PCT	21	P2	FB4	1.34		WAR					TEH	TEC	.560	ZBAZC	37	C
2012/10/01	108	69	.16	0	PCT	8	P2	FB5	-.82		WAR					TEH	TEC	.560	ZBAZC	37	C
2012/10/01	53	70	.09	0	PCT	4	P2	FB4	-.94		WAR					TEH	TEC	.560	ZBAZC	37	C
2012/10/01	83	72	.25	0	PCT	13	P2	FB5	-.50		WAR					TEH	TEC	.560	ZBAZC	39	C
2012/10/01	85	72	.38	0	PCT	17	P2	FB5	-.06		WAR					TEH	TEC	.560	ZBAZC	39	C
2012/10/01	85	72	.15	0	PCT	8	P2	FB6	.10		WAR					TEH	TEC	.560	ZBAZC	39	C
2012/10/01	84	73	.24	0	PCT	10	P2	FB5	1.04		WAR					TEH	TEC	.560	ZBAZC	37	C
2012/10/01	96	73	.05	0	PCT	2	P2	FB5	-1.90		WAR					TEH	TEC	.560	ZBAZC	37	C
2012/10/01	112	73	.21	0	PCT	9	P2	FB4	-.93		WAR					TEH	TEC	.560	ZBAZC	37	C
2012/10/01	97	74	.12	0	PCT	6	P2	FB5	.94		WAR					TEH	TEC	.560	ZBAZC	37	C
2012/10/01	107	74	.33	0	PCT	14	P2	FB4	-.94		WAR					TEH	TEC	.560	ZBAZC	37	C
2012/10/01	62	75	.10	0	PCT	6	P2	FB3	-1.95		WAR					TEH	TEC	.560	ZBAZC	39	C
2012/10/01	90	75	.20	0	PCT	11	P2	FB4	.00		WAR					TEH	TEC	.560	ZBAZC	39	C
2012/10/01	90	75	.23	0	PCT	13	P2	FB5	.21		WAR					TEH	TEC	.560	ZBAZC	39	C
2012/10/01	90	75	.21	0	PCT	11	P2	FB6	.62		WAR					TEH	TEC	.560	ZBAZC	39	C
2012/10/01	73	76	.10	0	PCT	6	P2	FB4	.00		WAR					TEH	TEC	.560	ZBAZC	39	C
2012/10/01	101	76	.17	0	PCT	10	P2	FB2	-.75		WAR					TEH	TEC	.560	ZBAZC	39	C
2012/10/01	90	77	.18	0	PCT	9	P2	FB4	-1.27		WAR					TEH	TEC	.560	ZBAZC	59	C
INSPDATE	ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCN	INCH1	INCH2	UTIL1	UTIL2	CRLEN	CRWID	CEG	BEGT	ENDT	PDIA	PTYPE	CAL	L

INSPDATE	ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCN	INCH1	INCH2	UTIL1	UTIL2	CRLEN	CRWID	CEG	BEGT	ENDT	PDIA	PTYPE	CAL	L
2012/10/01	73	78	.28	0	PCT	12	P2	FB5	.69		WAR					TEH	TEC	.560	ZBAZC	59	C
2012/10/01	97	80	.09	0	PCT	5	P2	FB4	1.57		WAR					TEH	TEC	.560	ZBAZC	59	C
2012/10/01	66	81	.13	0	PCT	7	P2	FB4	-1.05		WAR					TEH	TEC	.560	ZBAZC	61	C
2012/10/01	69	82	.12	0	PCT	7	P2	FB5	.73		WAR					TEH	TEC	.560	ZBAZC	61	C
2012/10/01	83	82	.30	0	PCT	12	P2	FB3	1.72		WAR					TEH	TEC	.560	ZBAZC	61	C
2012/10/01	80	83	.14	0	PCT	7	P2	FB4	-1.64		WAR					TEH	TEC	.560	ZBAZC	59	C
2012/10/01	82	83	.21	0	PCT	10	P2	FB4	-1.88		WAR					TEH	TEC	.560	ZBAZC	59	C
2012/10/01	61	84	.29	0	PCT	13	P2	FB4	-.63		WAR					TEH	TEC	.560	ZBAZC	59	C
2012/10/01	75	84	.18	0	PCT	9	P2	FB5	.00		WAR					TEH	TEC	.560	ZBAZC	59	C
2012/10/01	72	87	.17	0	PCT	8	P2	FB5	1.70		WAR					TEH	TEC	.560	ZBAZC	59	C
2012/10/01	90	87	.22	0	PCT	11	P2	FB4	1.89		WAR					TEH	TEC	.560	ZBAZC	59	C
2012/10/01	55	88	.19	0	PCT	9	P2	FB4	1.22		WAR					TEH	TEC	.560	ZBAZC	61	C
2012/10/01	67	88	.13	0	PCT	7	P2	FB5	.67		WAR					TEH	TEC	.560	ZBAZC	59	C
2012/10/01	71	88	.17	0	PCT	8	P2	FB5	.73		WAR					TEH	TEC	.560	ZBAZC	59	C
2012/10/01	45	90	.11	0	PCT	5	P2	FB5	-1.60		WAR					TEH	TEC	.560	ZBAZC	65	C
2012/10/01	71	90	.19	0	PCT	10	P2	FB5	.76		WAR					TEH	TEC	.560	ZBAZC	61	C
2012/10/01	73	90	.13	0	PCT	6	P2	FB5	1.05		WAR					TEH	TEC	.560	ZBAZC	61	C
2012/10/01	57	92	.10	0	PCT	5	P2	FB5	-1.09		WAR					TEH	TEC	.560	ZBAZC	63	C
2012/10/01	50	99	.12	0	PCT	6	P2	FB4	1.59		WAR					TEH	TEC	.560	ZBAZC	63	C
INSPDATE	ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCN	INCH1	INCH2	UTIL1	UTIL2	CRLEN	CRWID	CEG	BEGT	ENDT	PDIA	PTYPE	CAL	L