

**EA02025**

**TEXAS INSTRUMENTS, INC.'S**

**09/10/03 LETTER TO ODI**

**REQUEST 9**

**BOX 12**

**PART A – O**

**PART E**

## Work Plan- Brake Pressure Switch

### **Root Cause Investigation-**

**Identify the combustibles?**

**AVT EESE Materials Engineering**

**Identify the contaminants in returned parts?**

**Central Lab analysis**

**Identify source of contaminants?**

**Central Lab analysis**

**Identify causes of brake fluid leakage?**

**Central Lab and Texas Instrument**

**Identify heat source(s) start event?**

**AVT EESE Chassis Electronics**

**Create Event in Lab**

**AVT EESE Chassis Electronics**

**Collect Field Samples**

**LVC - Safety**

Run materials on 100W  
17 Jan 1999  
1st of 1999

## Root Cause Investigation Tasks

### What are the combustibles?

#### AVT EESE Materials Engineering

Are the switch materials compatible with brake fluid?

by 2/18/99

Are the switch materials compatible with brake fluid in an electric field?

by 2/18/99

Are the switch materials compatible with brake fluid and contaminants?

by 2/18/99

Are the switch materials compatible with contaminated brake fluid in an electric field?

by 2/18/99

→ Flash points for all materials? by completed

*TI provided to Norm LaPointe*

Get Dow assistance by 2/16/99

How can a fire start with the switch given the constraints:

Continuous Battery voltage applied between switch electrical components and the hydraulic connection, circuit fused at 15 amps, inductive load current of 0.5 amps switched when speed control is turned off, the switch cavity contains a black material containing at least copper, zinc, sulfur, and brake fluid (probably containing water), vehicle underhood temperatures.

By 2/22/99

What is the difference in the base materials that look different?

Texas Instruments by complete

*Color of plastic base identifies calibration. Also, plastic material change from Cellanex 4300 to Noryl GTX430 in MT 1995 when P/N changed from F2VC to F2AC*

What are the material call-outs for 1992 and 1993?

Texas Instruments by 2/15/99

**Brake Pressure Switch**

P/N C-99P024-AII

Material List for MY 82/83

Component Name	Material	Comment
Gasket	Elastomer Ethylene Propylene	JBL Compound # E-7104-70
Diaphragm	Kapton, Polyimide	Dupont 500 FN131L. 3 Diaphragms per switch
Base	PBT, Plastic	Grade Celanex 4300
Crimp Ring	Aluminum	Grade # 5052
Spacer	Kapton, Polyimide	Dupont #200H, Friction Reducer on Disc
Rivet	Brass	CDA 280
Transfer Pin	Ceramic	Sintered, L-3 Grade
Environmental Seal	Silicone	JBL Compound # 57619
Converter	Cold Rolled Steel	Grade # 1008
Washer	Cold Rolled Steel, Zinc Plated	Grade # 1060
Cup	Cold Rolled Steel	Grade 1010
Spring Arm	Beryllium Copper	Grade # C17200
Movable Contact	Silver Plated Copper	Oxygen Free Cu, Fine Silver
Stationary Terminal	Brass + Silver Inlay	CDA 280
Movable Terminal	Brass	CDA 280
Disc	Stainless Steel	Grade 302
Hearport	Cold Rolled Steel, Zinc Plated	C10L10
Thread Cap	LDPE, Plastic	

What are the contaminants in returned parts?

**Central Lab analysis**

Results of Memphis part analysis by 2/18/99

Results of testing with corrosion simulation?

AVT EESE Chassis Electronics by complete

*Black corrosion recreated in lab on virgin parts. Given to Lab for analysis*

TI analysis results of the Memphis parts ( crease marks in diaphragm, etc) ?

Texas Instruments by complete

*TI gave to Norm LaPointe on 2/10/99. Crease mark caused by degradation of Kapton. TI chemical analysis matches Ford analysis.*

**What is source of contaminants?**

**Central Lab analysis**      by 2/18/99

**What causes brake fluid leakage?**      By 2/24/99

**Central Lab and Texas Instrument**

**What does TI DFEMA say about this failure mode?**

**Texas Instruments**      by 2/16/99

*TI identifies potential for leaks. Copy to Norm Lapointe.*

**What are TI in-process test failures?**

**Texas Instruments**      by completed

*TI provided IP and Weibull test reports to Fred Porter and Norm Lapointe. First leaker observed at 994,000 cycles. Test suspended at 1.6 million cycles. Leaker was by Kapton diaphragm.*

**Provide TI end-of-life lab test parts to Norm Lapointe.**

**TI**      by 2/18/99

**Does the event occur only on vehicles with ABS?**

**LVC-Safety**      by 2/18/99

**Characterize the real vehicle brake pressure seen at the switch.**

**AVT Chassis Brakes**      by

**Characterize the real vehicle brake pressure during ABS and TC events seen at the switch.**      **AVT Chassis Brakes**      by

**DOE work plan for TI activities.**

**TI**      by 2/16/99

**Correlate Lab test cycle Kapton wear with field mileage Kapton wear.**

**TI and Central Lab**      by 2/29/99

**What heat source(s) start event?**

**AVT EESE Chassis Electronics**

Analysis of harness pig-tails

AVT EESE OPD by 2/18/99

Use thermocouple to record switch temperature during and after  
driving. AVT EESE OPD by 2/18/99

**Recreate Event in Lab**

**AVT EESE Chassis Electronics**

What does it take to start an event? by on-going

If a switch is contaminated can it start the event? by on-going

*Switch with clean Brake fluid inside is being monitored for increase in  
leakage current.*

If current is stopped does combustion stop?

**Collect Field Samples**

**LVC - Safety**

Collect Brake Pressure switches and speed control servos with harnesses  
attached. By 2/22/99

## Miscellaneous

Can the switch act as a fuse?

Team by complete

No.

*Could a fuse (e.g. 2 amp) be added in series between the stop lamp fuse and the brake pressure switch? Failure parameters would have to be known.*

What are descriptions from AWS and CQIS?

LVC-Safety by 2/18/99

What are we seeing in returned Speed control modules (FRACAS)?

Visteon Speed Control by 2/17/99

Provide color photos of Econoline?

Texas Instruments by complete

*There are no color photos.*

## Containment / Corrective Action Tasks

### **Competitive Vehicles**

- How is switch packaged?
- Is it always Powered ( HOT\_ALL\_TIME ) ?
- Are the contacts opened when pressure applied?
- What is fuse limit?
- What is being switched?
- Is it a redundant switch?

AVT EESE Competitive Analysis by 2/24/99

### **What does Speed control FMEA say about Brake Switch ?**

Visteon Speed Control by completed  
*The Brake Pressure Switch (Deactivation Switch) coupled with the Stop Lamp switch are categorized as "Automatic Deactivation". The FMEA lists "Automatic Deactivation" as current design control for 66 different potential cause/mechanical failures.*

*Brake Pressure Switch (Deactivator Switch) is one of the most important safety features.*

### **When was non-Pressure actuated switched introduced?**

AVT EESE Chassis Electronics by completed  
*95 Continental and T/Bird were first to use it.*

### **Is the Circuit drive hi-side or low-side?**

Visteon Speed Control by completed  
*Circuit is low side driven.*

### **How does speed control use this switch?**

- Visteon Speed Control by completed
1. *Brake Pressure Switch provides electrical power to the speed control servo clutch circuit. The clutch circuit needs to be energized for the servo motor to pull the cable.*
  2. *Switch provides a redundant method of sensing brake application independent of the primary system deactivation mode; this is a SDS (SC-0005) requirement.*

- Signal from the stop lamp switch is primary deactivation mode for brake application.
- Under "hard" braking condition: Brake Pressure Switch provides redundant brake signal to the speed control logic (similar to stop lamp switch signal) and disconnects power to the clutch circuit; causing the speed control servo pulley to immediately return to the idle position. Note: Under normal braking conditions, only the stop lamp switch signal cancels speed control operation.

Do all Ford applications use switch between fuse and load?

Visteon Speed Control by completed  
YES

Do all Ford applications have switch connected to HOT-ALL-TIMES?

AVT EESE OPD by 2/18/99

Can Brake Pressure Switch function be removed from power feed circuit and placed in ground return circuit?

Visteon Speed Control by completed

1. Would require redesign of the speed control electronics.
2. Additional isolated ground circuit is required.
3. From FMEA position switching the ground circuit is not as good as switching the B+ feed.
  - With a ground return circuit; short to ground (fault) it would override the deactivation switch.
  - With the current power feed circuit; short to ground make the speed control system inoperative. A short to power is required to override the deactivation switch; much lower potential to occur.

Why is this switch connected to HOT-ALL-TIMES?

Visteon Speed Control by completed  
Because the SDS requires it to be connected to the same fuse as the stop lamp.

**What is SDS requirement number?**

Visteon Speed Control by completed  
SDS (SC-0068) states: *The stop lamp switch and redundant deactivator  
switch must be on the same fused circuit.*

**Is it feasible to disconnect the switch as immediate containment?**

*Yes. The customer will not have use of the speed control.*

**Is it acceptable to Jumper out the switch as immediate containment?**

Visteon Speed Control by completed  
*NO... Would eliminate an important safety feature of the speed control  
system. The Brake Pressure Switch provides the redundant method for  
sensing brake application independent of the primary system deactivation  
mode. This is an SDS (SC-0005) requirement.*

*Elimination of this feature requires the concurrence of the OGC.*

**Other recommendations for immediate containment?**

All by on-going  
*Add fuse between the stop lamp fuse and the brake pressure switch?*

**Recommendations for increased Life of switch.**

TI by 3/5/99  
*TI suggested looking at an Automotive ceramic diaphragm pressure  
transducer (not a switch) that is used for ABS.*

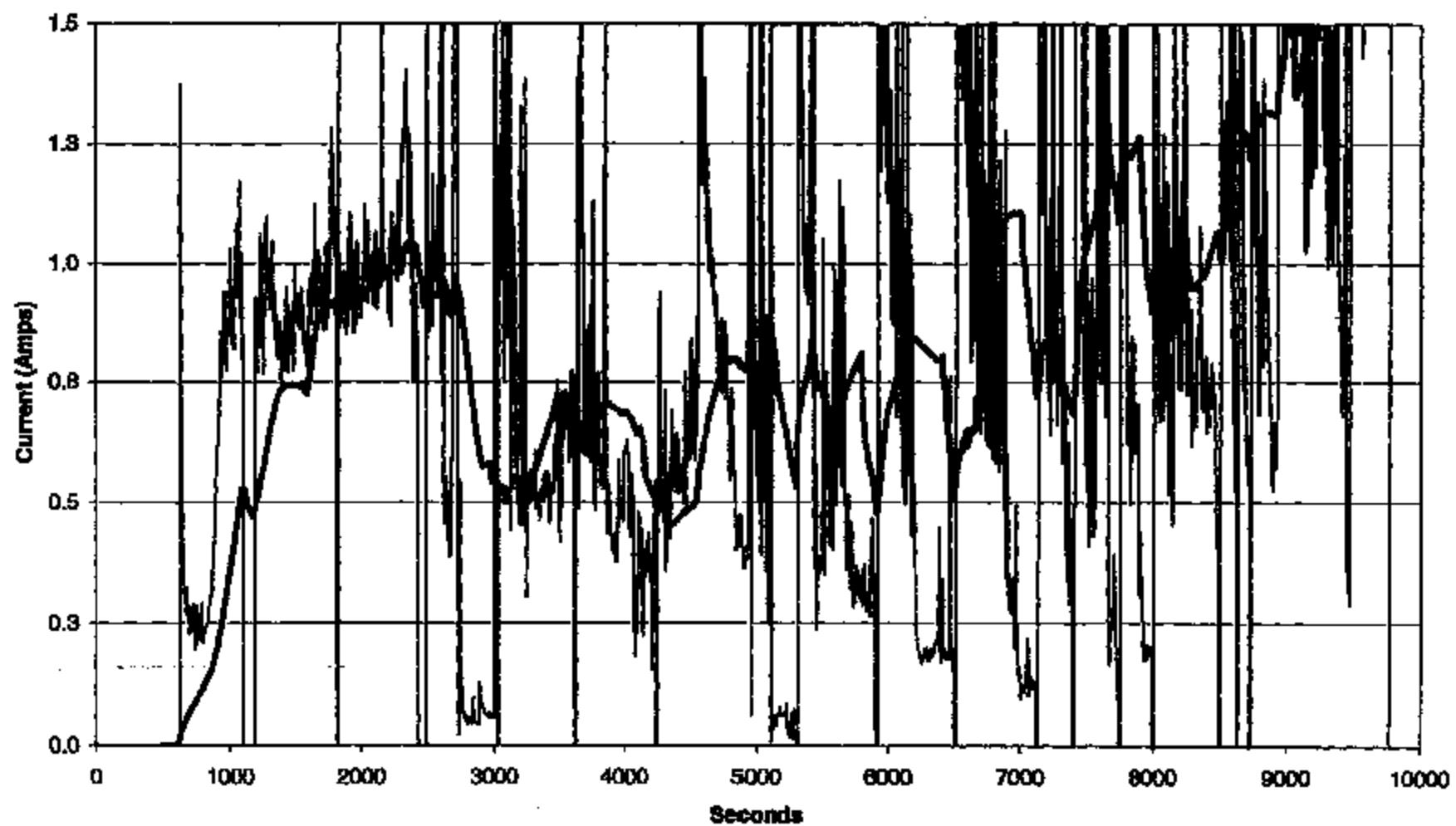
**Brake Pressure Switch Test Log**  
Updated 2/16/99

Category	Test	Location	Test Parameters	Results Update
Lab Simulation of Potential Ignition in Switch	1	TI	Various Levels of Brake Fluid, Water, Detergent 14Vdc to one terminal, hexport grounded	100+ hours into test, max current 5mA No significant change with time
	2	TI	Various Levels of Brake Fluid, Water, Detergent 1 Amp through switch terminals	100+ hours into test No significant temperature rise with time
	3	AVT	Brake Fluid in Switch, 24 VDC to one terminal Hexport Grounded	> 200 hours into test, max current 7mA No significant change with time
	4	AVT	Brake Fluid in Switch, 24 VDC to one terminal Hexport Grounded, Ambient at 100 C	16 hours into test max current 5mA No significant temperature rise with time
	5	AVT	Brake Fluid in Switch, 16 Amps Through switch terminals	Temperature rise of 20 C above room temp Delta T reached steady state at 20 C
	6	TI	Build heater element into Switch Heat till failure	Expected update 2/19
Life Cycle Reliability of Pressure Switch	7	TI	0-1400 psig pressure pulses at 135C ambient per EB	Parts at 600k cycles, no fails. Will continue to failure
Diaphragm Wear	8	TI	0-1400 psig pressure pulses at 135C ambient	Parts withdrawn every 200k cycles, characterized for wear
Field vs Lab Correlation	9	Central Lab	Various Field returns, from dealer lots, junkyards	Parts in Central Lab, being processed
Design Of Experiments Evaluating Factors Effecting Diaphragm Wear	10	TI	Various Levels of Brake Fluid, Water, Under ES conditions, to failure	Test being structured. Expected Phase One to begin 2/19
On-Vehicle Characterization of Pressure & Temperature Profile in Town Car	11	AVT	Monitor Pressure and Temperature at Switch Location for ABS and non-ABS braking events.	Logistics being worked out.

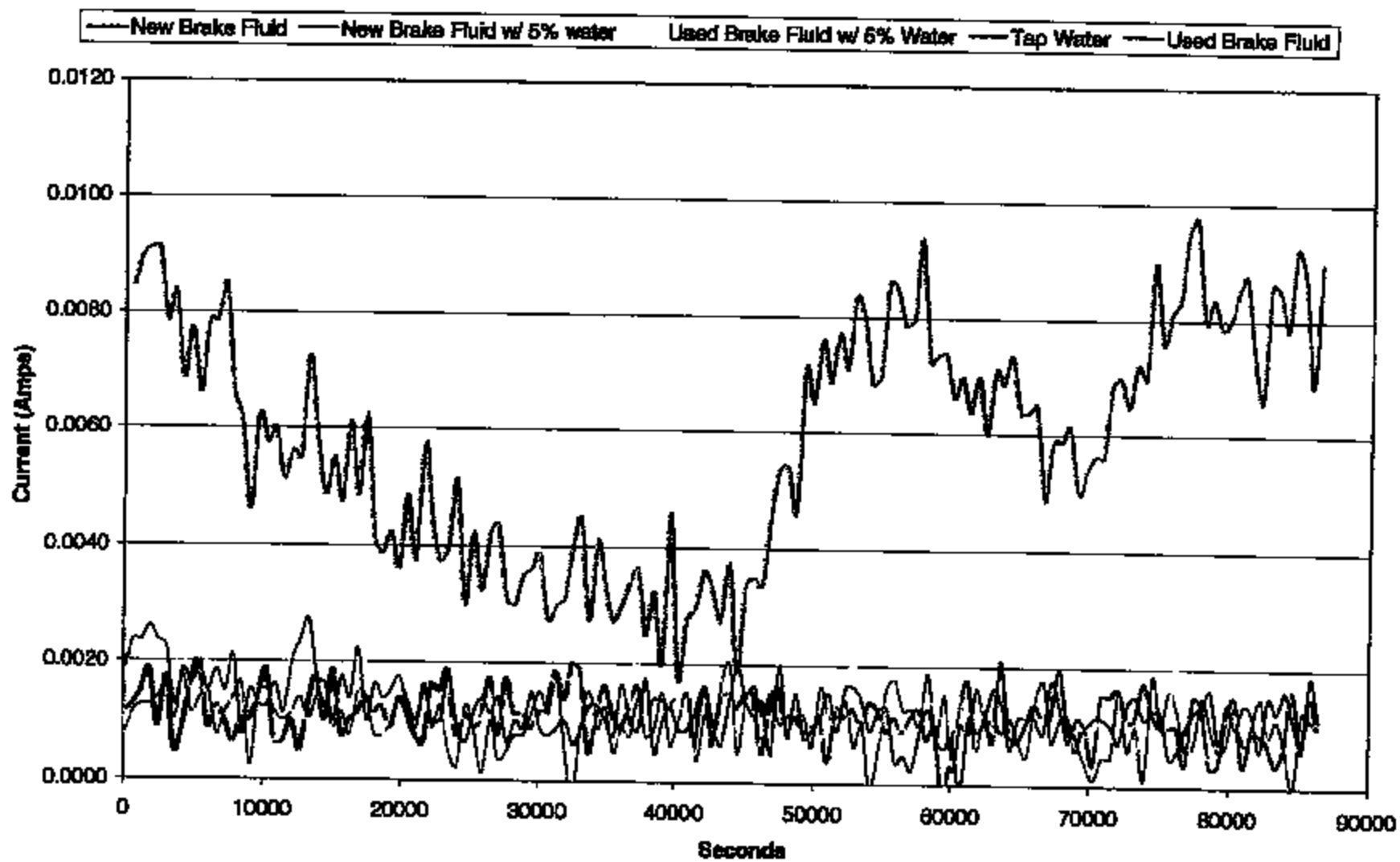
**DRAWINGS AVAILABLE UPON  
REQUEST**

**Haxport Current vs. Time**  
**5% Salt Water Ingress Experiment**

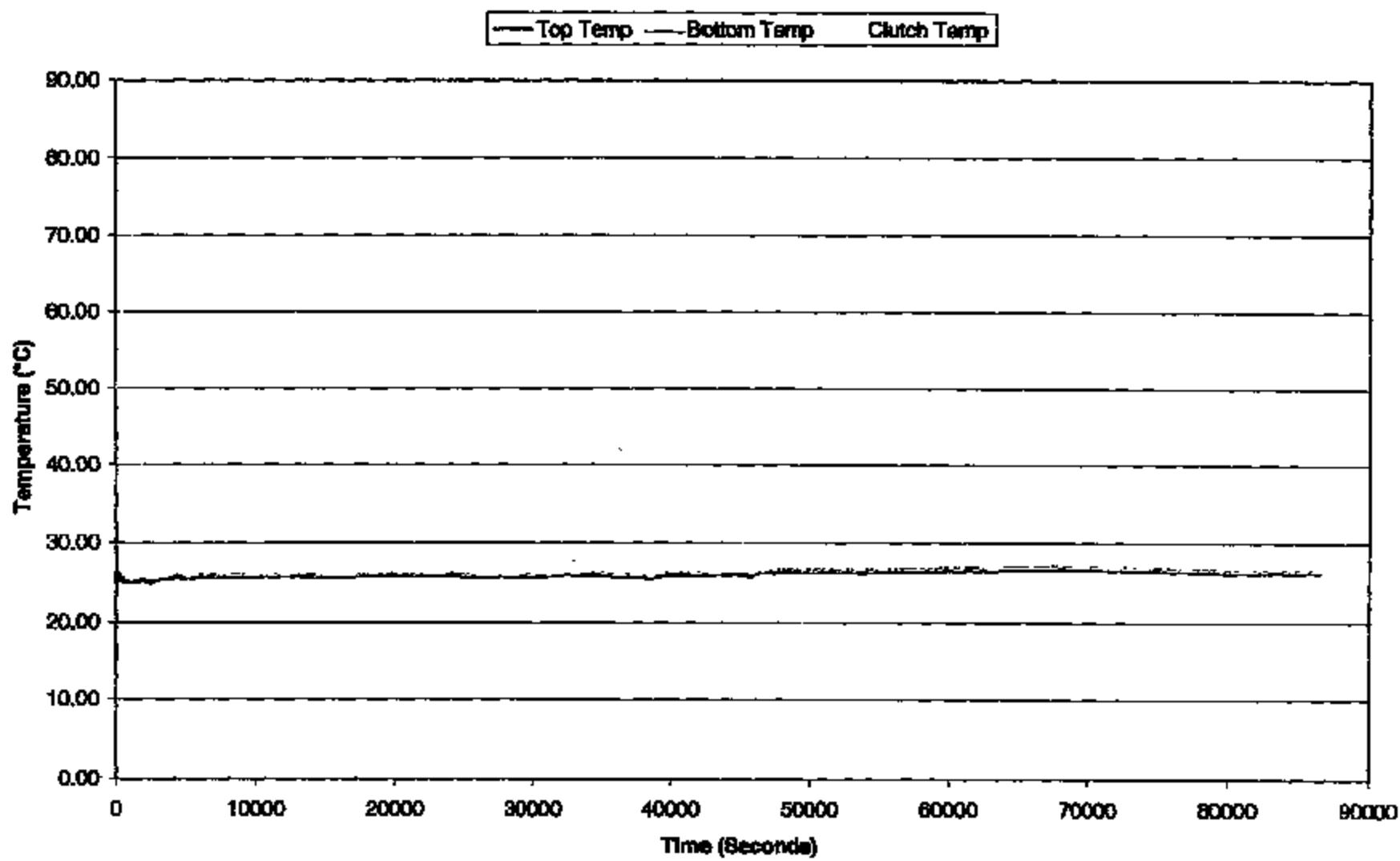
— Haxport Current — 100 per. Mov. Avg. (Haxport Current)



**Hexport Current vs. Time  
Fluid Ingress Experiment**

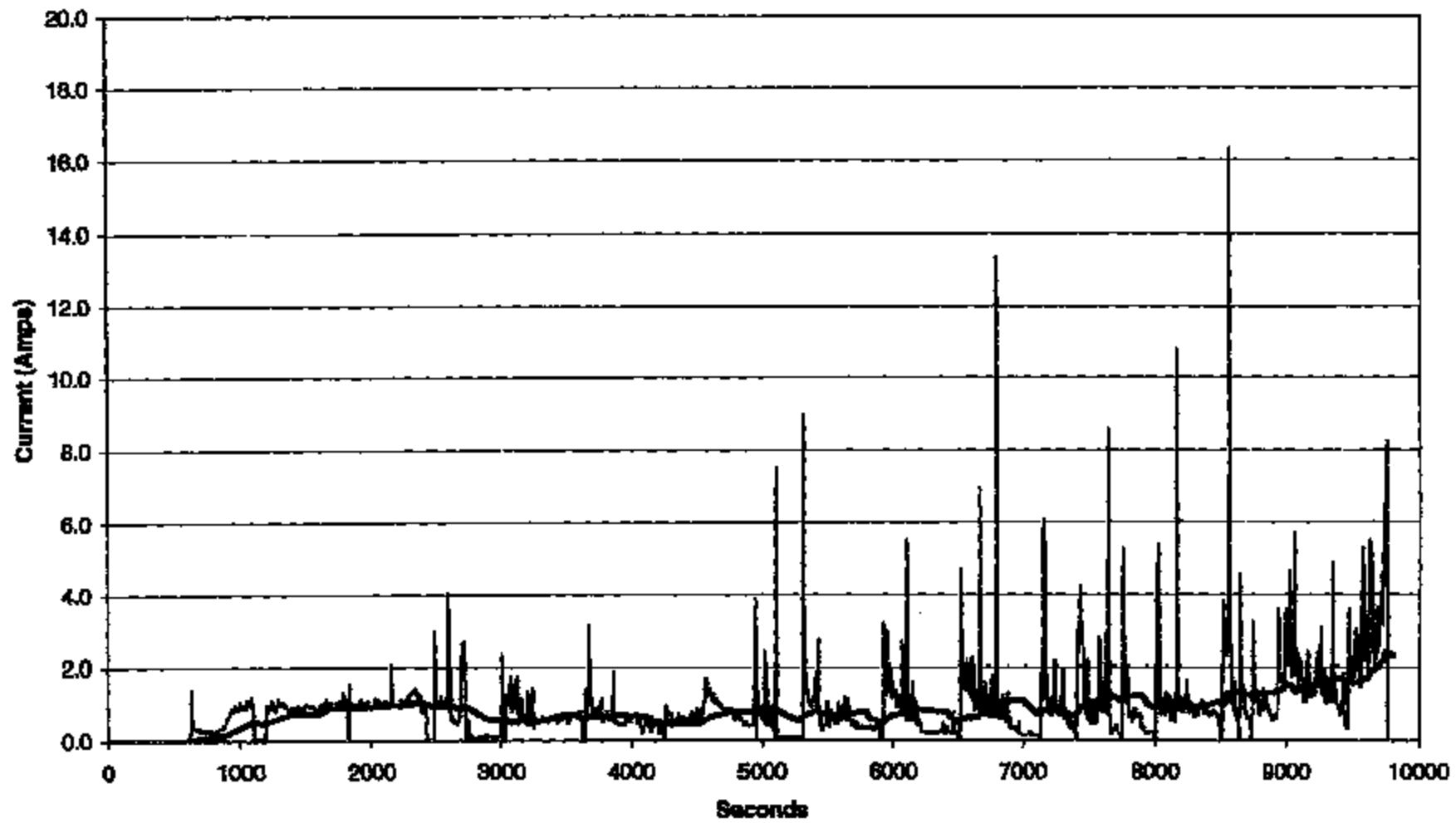


**Used Brake Fluid w/ 5% Water Ingress Experiment  
Temperatures vs. Time**



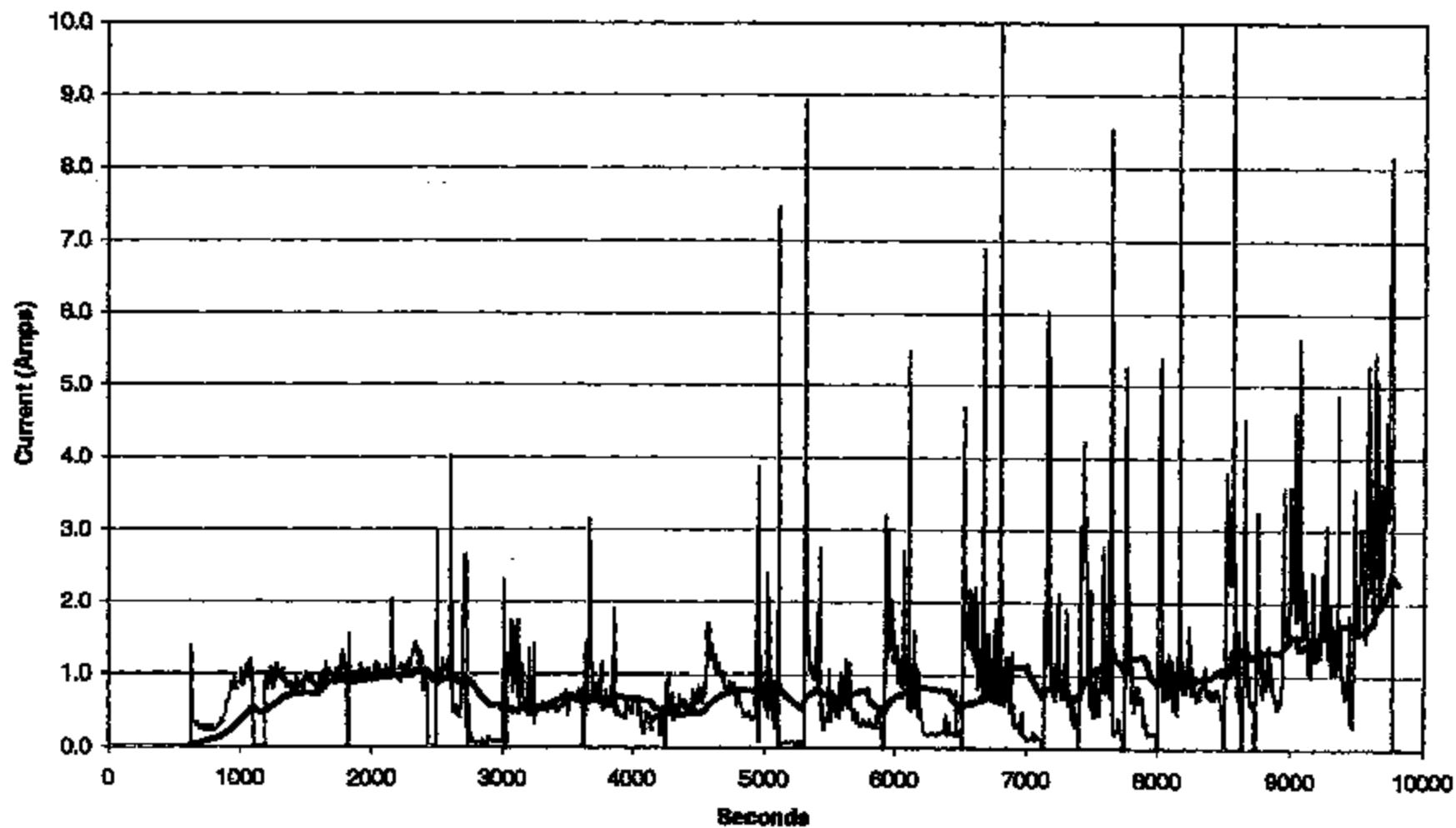
**Hexport Current vs. Time**  
**5% Salt Water Ingress Experiment**

— Hexport Current — 100 per. Mov. Avg. (Hexport Current)



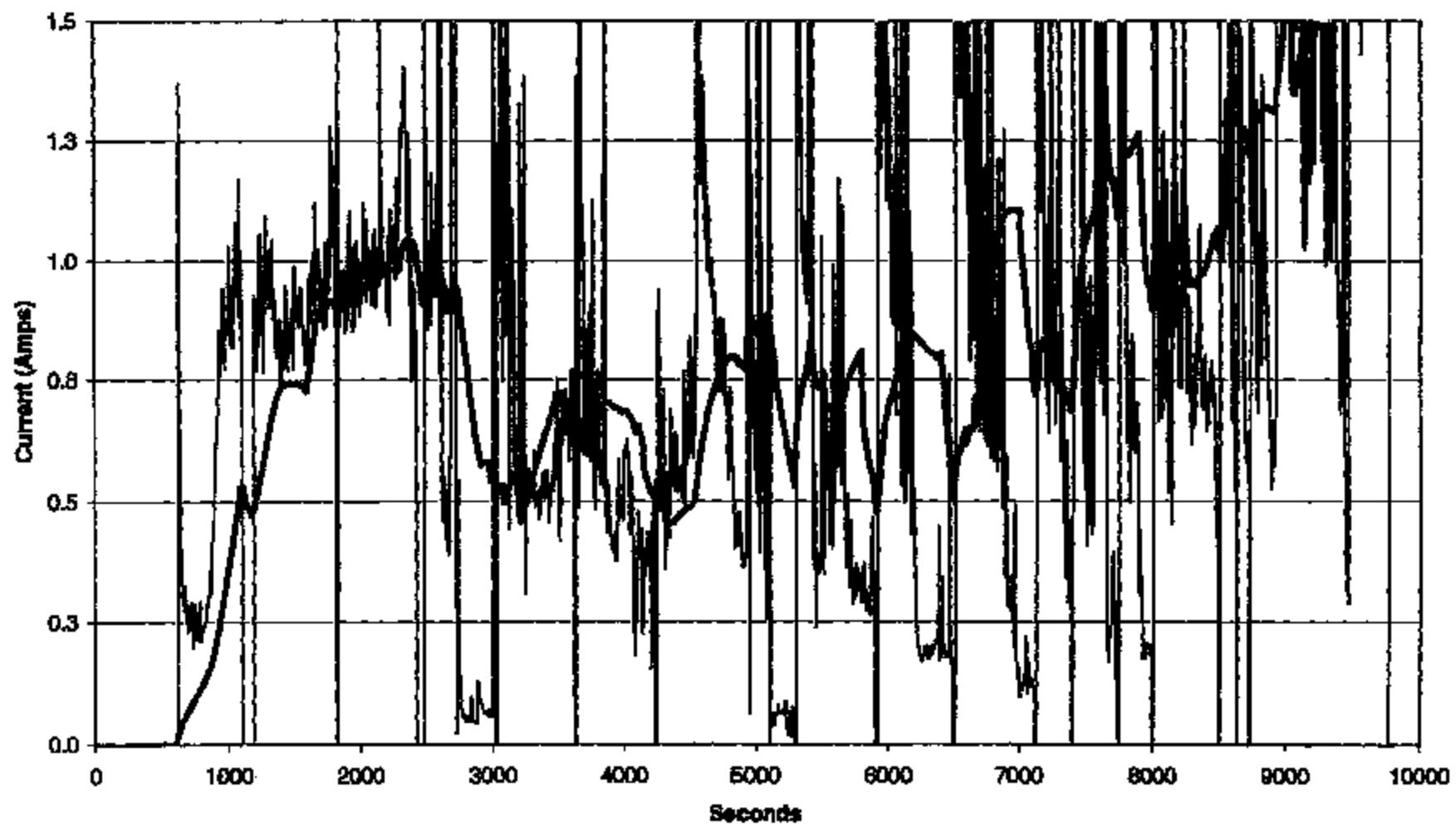
**Hexport Current vs. Time**  
**5% Salt Water Ingress Experiment**

— Hexport Current — 100 per. Mov. Avg. (Hexport Current)

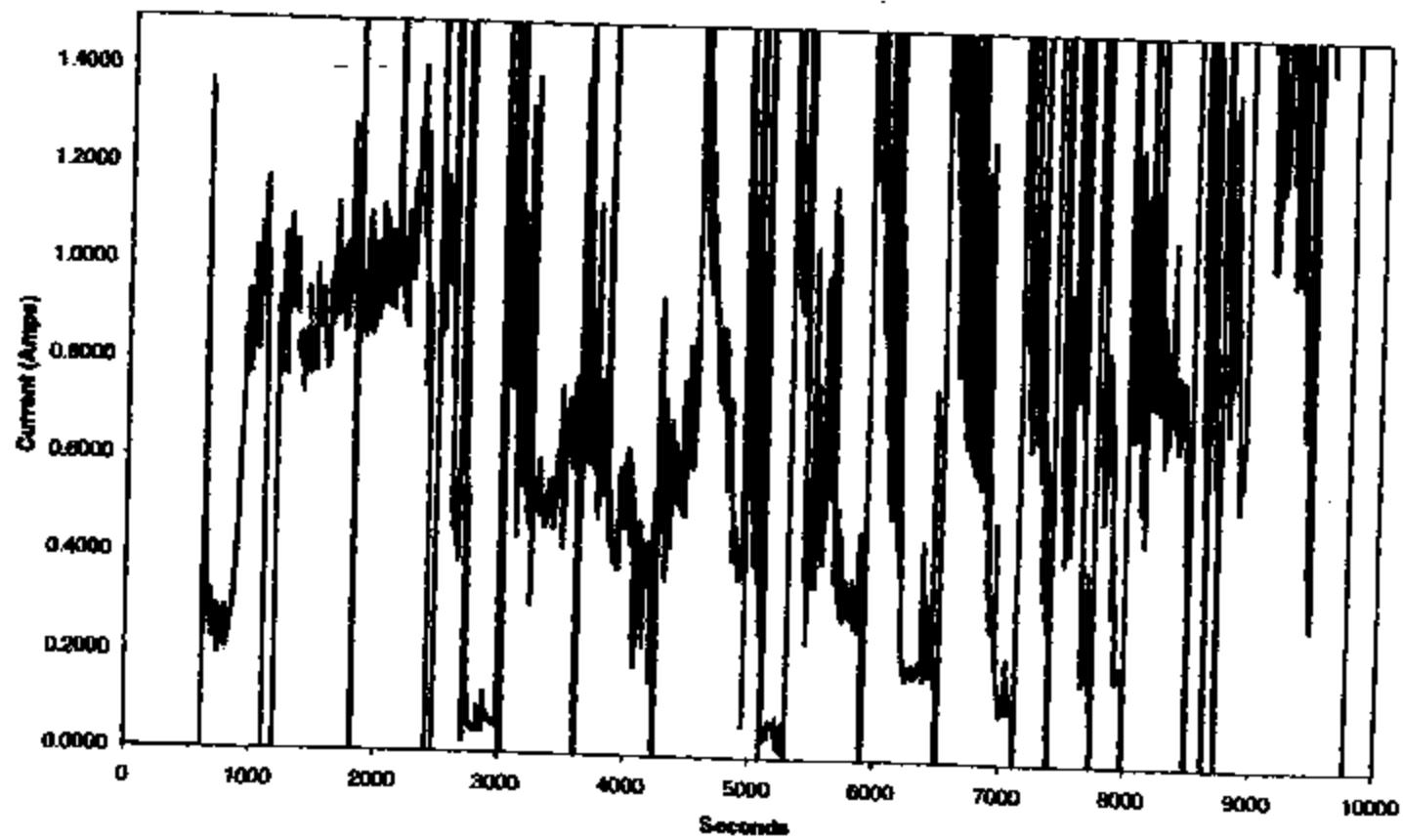


**Hexport Current vs. Time  
5% Salt Water Ingress Experiment**

— Hexport Current — 100 per. Mov. Avg. (Hexport Current)



**Holport Current vs. Time  
6% Salt Water Ingress Experiment**



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the first time in the history of the world, the people of the United States have been called upon to make a choice between two opposite ways of life, between two different philosophies, one of which emphasizes freedom and the other of which emphasizes slavery. I do not know which of them will win. A man's judgment is his own. They are equal in strength. One will prevail because it is the right thing. It is the same old story, too old to mention, of Right and Wrong. Right makes might, and in the end, Right always prevails.

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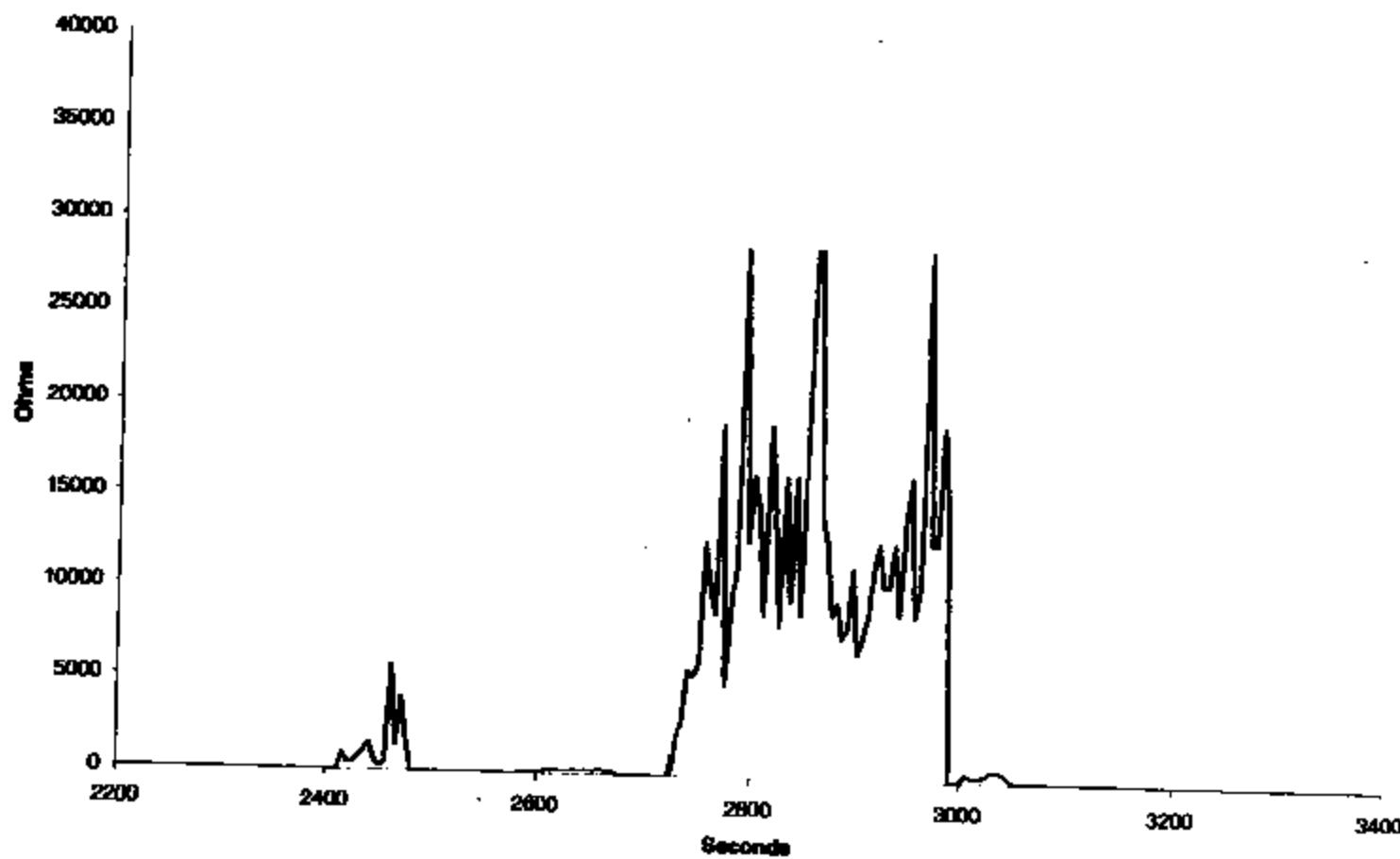
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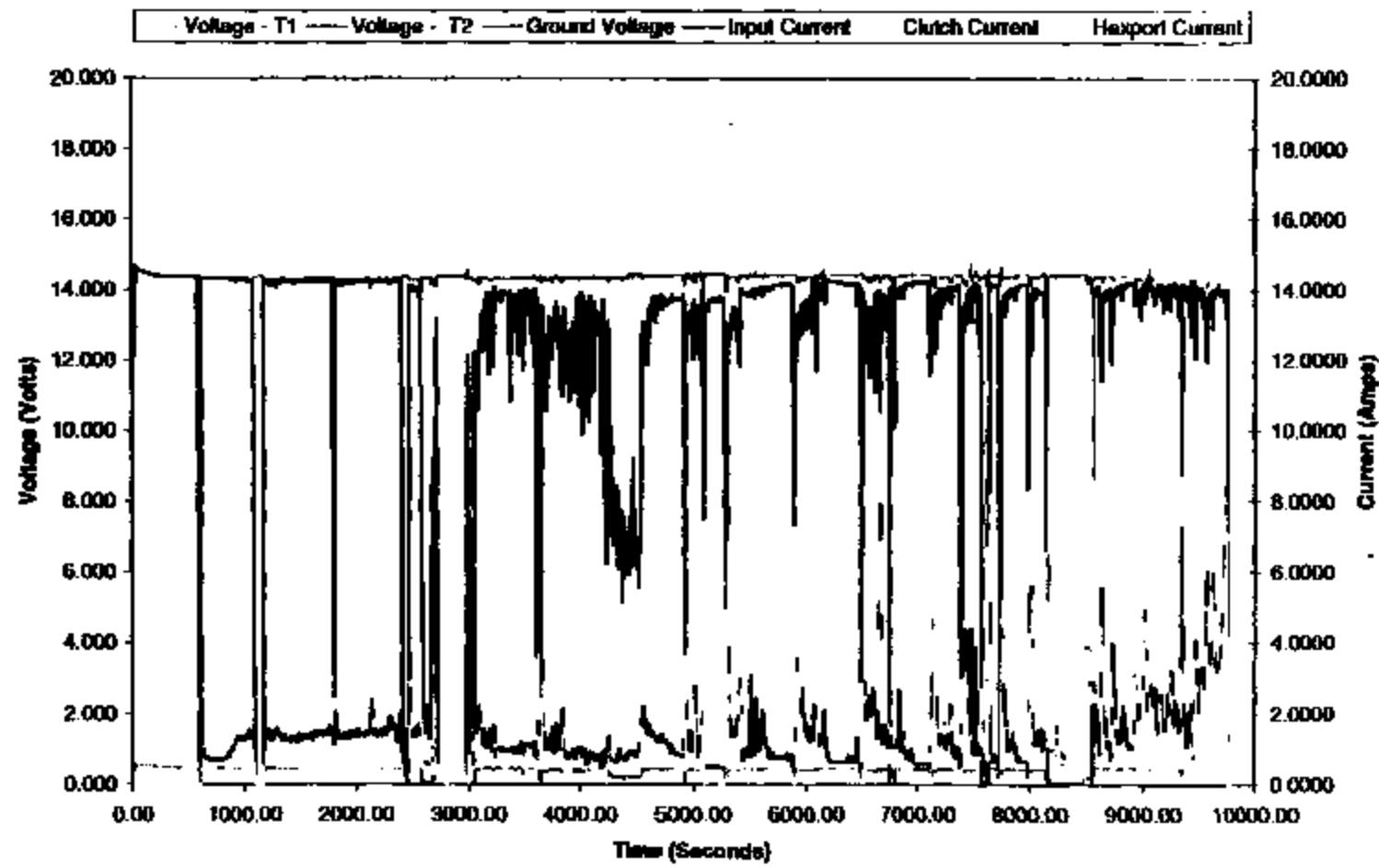
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Terminal Resistance vs. Time  
5% Salt Water Ingress Experiment

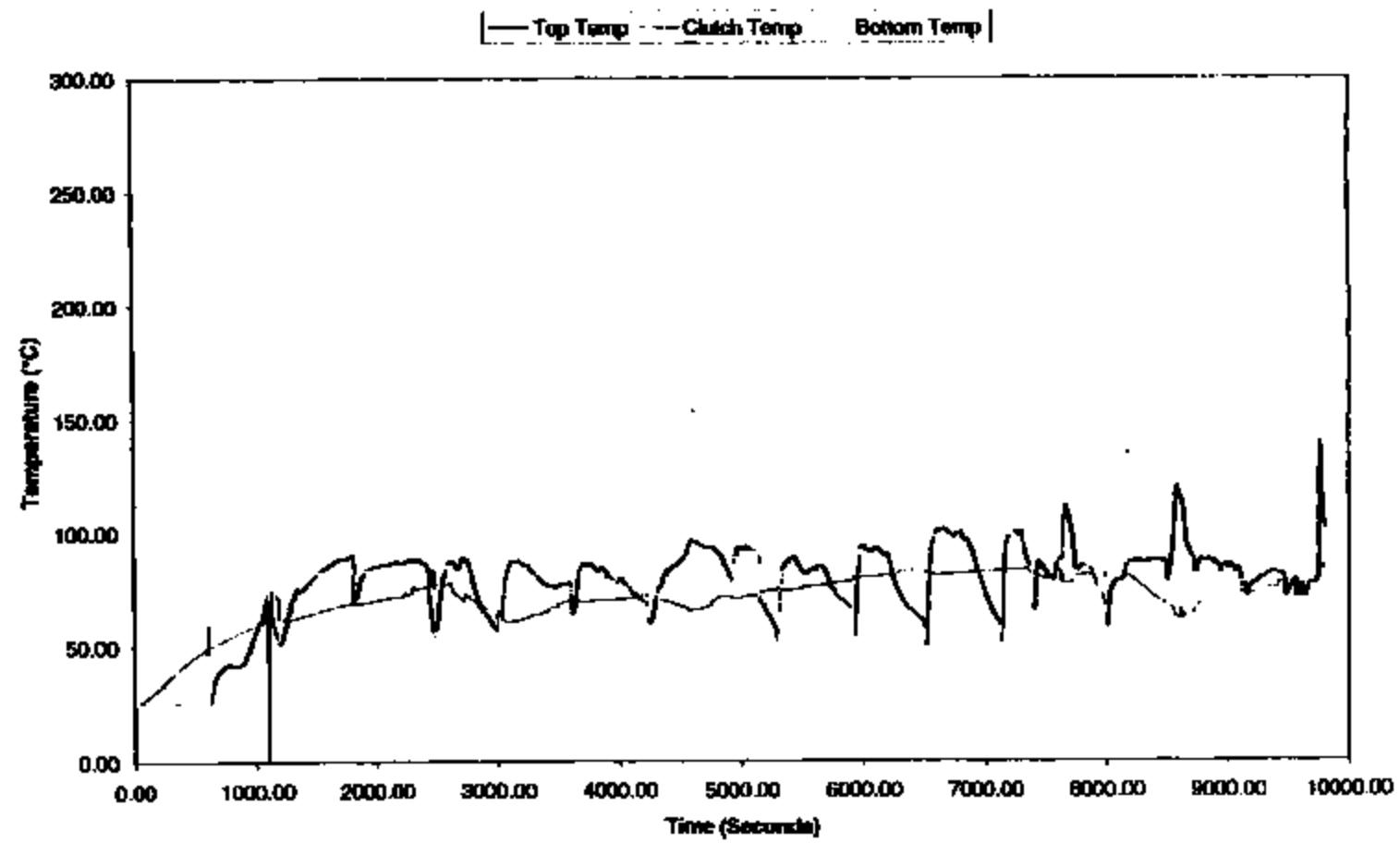


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### 5% Salt Water Ingress Experiment



5% Salt Water Ingress Experiment  
Temperature vs. Time



## Refer to 1170nm Data

Time stamp	Seconds	Input Current -	Output Current	Recept Current	Voltage - T1	Voltage - T2	Ground Voltage	Top Temp	Bottom Temp	Bottom Temp
9:54:22 AM	0.02	0.5012	0.5004	0.4934	12.680	12.600	0.000	26.15	26.00	26.00
9:54:26 AM	5.05	0.5012	0.5004	0.4934	12.670	12.600	0.000	26.15	26.00	26.00
9:54:30 AM	10.05	0.5004	0.4996	0.4936	12.670	12.600	0.000	26.15	26.00	26.00
9:54:40 AM	15.04	0.5004	0.4996	0.4936	12.670	12.600	0.000	26.15	26.00	26.00
9:54:48 AM	20.05	0.5007	0.4991	0.4936	12.670	12.600	0.000	26.15	26.00	26.00
9:54:53 AM	25.04	0.5005	0.4991	0.4930	12.631	12.518	0.000	26.10	26.00	26.01
9:54:58 AM	30.01	0.5004	0.4990	0.4930	12.548	12.443	0.000	26.05	26.00	26.00
9:55:03 AM	35.04	0.5006	0.4993	0.4951	12.768	12.704	0.000	26.45	26.40	26.02
9:55:08 AM	40.02	0.5006	0.4997	0.4955	14.200	14.004	0.000	26.35	26.30	26.02
9:55:13 AM	45.00	0.5000	0.4989	0.4949	14.258	14.200	0.000	26.15	26.01	26.05
9:55:18 AM	50.05	0.5001	0.4991	0.4944	14.670	14.600	0.000	26.45	26.04	26.03
9:55:23 AM	55.03	0.5008	0.4974	0.4946	14.620	14.560	0.000	26.17	26.03	26.02
9:55:28 AM	60.01	0.5008	0.4971	0.4946	14.588	14.543	0.000	26.44	26.00	26.05
9:55:33 AM	65.04	0.5009	0.4989	0.4956	14.500	14.456	0.000	26.14	27.05	26.04
9:55:38 AM	70.02	0.5009	0.4973	0.4945	14.500	14.398	0.000	26.14	27.00	26.02
9:55:43 AM	75.04	0.5007	0.4984	0.4954	14.382	14.303	0.000	26.13	27.24	26.02
9:55:48 AM	80.05	0.5005	0.4984	0.4955	14.581	14.341	0.000	26.42	27.49	26.02
9:55:53 AM	85.01	0.5005	0.4980	0.4953	14.526	14.500	0.000	26.15	27.06	26.03
9:55:58 AM	90.03	0.5007	0.4983	0.4957	14.500	14.503	0.000	26.45	27.04	26.04
9:56:03 AM	95.04	0.5002	0.4954	0.4944	14.545	14.524	0.000	26.14	26.00	26.02
9:56:08 AM	100.04	0.5008	0.4989	0.4989	14.544	14.537	0.000	26.44	26.35	26.03
9:56:13 AM	105.02	0.5003	0.4986	0.4941	14.520	14.503	0.000	26.13	27.24	26.02
9:56:18 AM	110.00	0.5002	0.4989	0.4941	14.620	14.514	0.000	26.45	26.56	26.02
9:56:23 AM	115.03	0.5001	0.4983	0.4937	14.529	14.484	0.000	26.15	26.75	26.04
9:56:28 AM	120.06	0.5001	0.4980	0.4937	14.559	14.500	0.000	26.45	26.42	26.00
9:56:33 AM	125.09	0.5006	0.4921	0.4905	14.514	14.487	0.000	26.15	26.14	26.02
9:56:38 AM	130.03	0.5003	0.4988	0.4988	14.505	14.481	0.000	26.12	26.33	26.01
9:56:43 AM	135.01	0.5010	0.4986	0.4910	14.510	14.480	0.000	26.45	26.55	26.03
9:56:48 AM	140.02	0.5005	0.4981	0.4925	14.520	14.483	0.000	26.15	26.78	26.02
9:56:53 AM	145.03	0.5002	0.4973	0.4901	14.490	14.483	0.000	26.12	26.97	26.01
9:56:58 AM	150.01	0.5001	0.4980	0.4905	14.487	14.475	0.000	26.12	26.22	26.01
9:57:03 AM	155.04	0.5001	0.4979	0.4905	14.491	14.471	0.000	26.12	30.46	26.01
9:57:08 AM	160.03	0.5005	0.4980	0.4901	14.487	14.470	0.000	26.12	26.85	26.02
9:57:13 AM	165.00	0.5011	0.4988	0.4905	14.477	14.484	0.000	26.12	26.80	26.02
9:57:18 AM	170.05	0.5007	0.4974	0.4904	14.473	14.484	0.000	26.12	26.92	26.02
9:57:23 AM	175.03	0.5008	0.4989	0.4938	14.471	14.452	0.000	26.11	31.36	26.00
9:57:28 AM	180.01	0.5002	0.4988	0.4910	14.470	14.452	0.000	26.11	26.30	26.00
9:57:33 AM	185.01	0.5008	0.4986	0.4905	14.469	14.448	0.000	26.10	31.61	26.02
9:57:38 AM	190.02	0.5002	0.4988	0.4905	14.461	14.448	0.000	26.11	32.08	26.02
9:57:43 AM	195.01	0.5008	0.4986	0.4905	14.461	14.448	0.000	26.11	32.27	26.02
9:57:48 AM	200.03	0.5008	0.4989	0.4907	14.455	14.453	0.000	26.09	32.48	26.02
9:57:53 AM	205.01	0.5008	0.4988	0.4911	14.450	14.458	0.000	26.07	32.70	26.02
9:57:58 AM	210.04	0.5000	0.4974	0.4913	14.447	14.429	0.000	26.09	32.91	26.02
9:58:03 AM	215.02	0.5006	0.4971	0.4909	14.444	14.427	0.000	26.09	33.13	26.02
9:58:08 AM	220.04	0.5011	0.4952	0.4905	14.445	14.416	0.000	26.06	33.41	26.02
9:58:13 AM	225.03	0.5011	0.4947	0.4907	14.430	14.408	0.000	26.11	33.83	26.02
9:58:18 AM	230.04	0.5014	0.4948	0.4913	14.437	14.407	0.000	26.10	32.96	26.02
9:58:23 AM	235.04	0.5012	0.4948	0.4913	14.430	14.419	0.000	26.10	34.11	26.02
9:58:28 AM	240.02	0.5000	0.4918	0.4905	14.433	14.413	0.000	26.09	34.32	26.02
9:58:33 AM	245.00	0.5011	0.4914	0.4905	14.430	14.417	0.000	26.07	34.50	26.02
9:58:38 AM	250.04	0.5026	0.4901	0.4906	14.426	14.404	0.000	26.09	34.61	26.02
9:58:43 AM	255.02	0.5017	0.4924	0.4905	14.426	14.413	0.000	26.07	34.73	26.02
9:58:48 AM	260.01	0.5005	0.4909	0.4905	14.436	14.400	0.000	26.08	35.78	26.02

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96 Items To 1 Year Date

10-03-23 AM	536.01	0.4450	0.4450	0.0000	14.380	14.362	0.0002	24.91	41.72
10-03-24 AM	540.03	0.4451	0.4450	0.0000	14.380	14.362	0.0002	25.91	41.49
10-03-25 AM	545.07	0.4460	0.4450	0.0000	14.380	14.362	0.0002	25.95	41.60
10-03-30 AM	548.05	0.4464	0.4454	0.0005	14.380	14.362	0.0002	25.97	41.60
10-03-41 AM	550.03	0.4465	0.4451	0.0007	14.380	14.371	0.0002	26.90	41.88
10-03-48 AM	550.02	0.4465	0.4456	0.0007	14.380	14.361	0.0002	25.91	41.85
10-03-53 AM	555.09	0.4466	0.4455	0.0000	14.377	14.366	0.0002	25.91	41.85
10-03-58 AM	570.04	0.4466	0.4466	0.0000	14.380	14.373	0.0002	25.92	41.86
10-04-03 AM	575.02	0.4466	0.4461	0.0007	14.377	14.361	0.0002	25.95	41.87
10-04-08 AM	580.05	0.4466	0.4470	0.0007	14.380	14.362	0.0002	25.95	41.87
10-04-13 AM	586.04	0.4467	0.4466	0.0000	14.383	14.365	0.0002	25.94	41.81
10-04-18 AM	586.02	0.4467	0.4470	0.0004	14.378	14.366	0.0002	25.91	41.80
10-04-23 AM	590.05	0.4465	0.4470	0.0012	14.382	14.367	0.0002	25.95	41.80
10-04-28 AM	598.03	0.4468	0.4470	0.0004	14.410	0.000	0.0000	24.98	41.45
10-04-33 AM	605.00	0.4469	0.4462	0.0000	14.411	0.000	0.0000	25.01	41.52
10-04-38 AM	610.03	0.4469	0.4469	0.0005	14.410	0.000	0.0000	25.02	41.53
10-04-43 AM	615.02	0.4469	0.4466	0.0001	14.408	0.000	0.0000	25.04	41.52
10-04-48 AM	620.04	1.0000	0.4474	1.0000	14.385	14.177	0.0008	26.08	38.84
10-04-53 AM	625.03	1.2700	0.4466	0.7000	14.394	14.298	0.0007	26.41	38.84
10-04-58 AM	629.04	1.5400	0.4466	0.5000	14.398	14.301	0.0020	27.70	39.48
10-05-03 AM	635.04	0.8700	0.4466	0.3000	14.362	14.325	0.0017	30.99	39.50
10-05-08 AM	640.05	0.8600	0.4466	0.3000	14.366	14.328	0.0016	31.26	39.54
10-05-13 AM	645.07	0.7600	0.4463	0.3000	14.364	14.328	0.0013	32.58	39.65
10-05-18 AM	650.04	0.8601	0.4463	0.3070	14.388	14.361	0.0013	32.56	39.72
10-05-23 AM	655.02	0.7207	0.4468	0.2000	14.381	14.329	0.0012	34.95	39.84
10-05-28 AM	660.01	0.7000	0.4468	0.2700	14.388	14.326	0.0012	36.86	40.65
10-05-33 AM	665.03	0.8104	0.4476	0.2800	14.382	14.326	0.0013	36.20	41.34
10-05-38 AM	670.02	0.7600	0.4474	0.2900	14.388	14.324	0.0013	36.95	41.44
10-05-43 AM	675.03	0.7400	0.4471	0.2800	14.388	14.328	0.0013	37.14	41.56
10-05-48 AM	680.03	0.7720	0.4471	0.2870	14.388	14.328	0.0012	37.65	41.65
10-05-53 AM	685.02	0.7302	0.4465	0.2800	14.384	14.326	0.0012	38.41	41.63
10-05-58 AM	690.04	0.7206	0.4468	0.2800	14.388	14.328	0.0013	38.62	41.61
10-06-03 AM	695.02	0.7000	0.4468	0.2800	14.388	14.328	0.0013	38.71	42.22
10-06-08 AM	700.00	0.7400	0.4479	0.2700	14.384	14.329	0.0013	39.40	42.32
10-06-13 AM	705.03	0.7800	0.4478	0.2800	14.381	14.327	0.0013	39.78	42.31
10-06-18 AM	710.01	0.7200	0.4476	0.2800	14.388	14.328	0.0013	39.78	42.32
10-06-23 AM	715.00	0.7204	0.4475	0.2800	14.387	14.328	0.0012	40.38	42.32
10-06-28 AM	720.02	0.7007	0.4476	0.2800	14.388	14.321	0.0013	40.75	42.35
10-06-33 AM	725.00	0.6800	0.4474	0.2800	14.387	14.324	0.0013	41.25	42.30
10-06-38 AM	730.04	0.6800	0.4476	0.2800	14.388	14.323	0.0013	40.89	42.37
10-06-43 AM	735.03	0.7200	0.4478	0.2800	14.388	14.324	0.0013	41.40	42.40
10-06-48 AM	740.01	0.7170	0.4478	0.2800	14.381	14.327	0.0012	41.46	42.42
10-06-53 AM	745.04	0.7120	0.4470	0.2800	14.388	14.328	0.0012	41.71	42.48
10-06-58 AM	750.02	0.7401	0.4476	0.2800	14.387	14.328	0.0011	41.65	42.41
10-07-03 AM	755.00	0.7052	0.4474	0.2800	14.316	14.370	0.0010	41.91	42.34
10-07-08 AM	760.04	0.6900	0.4476	0.2800	14.318	14.327	0.0010	42.08	42.38
10-07-13 AM	765.01	0.7170	0.4476	0.2800	14.313	14.326	0.0012	41.93	42.32
10-07-18 AM	770.00	0.7200	0.4470	0.2800	14.313	14.327	0.0012	41.93	42.32
10-07-23 AM	775.00	0.7113	0.4476	0.2800	14.301	14.343	0.0010	41.71	42.38
10-07-28 AM	780.02	0.7614	0.4479	0.2800	14.302	14.346	0.0010	42.11	42.41
10-07-33 AM	785.05	0.6800	0.4476	0.2800	14.302	14.344	0.0012	42.18	42.45
10-07-38 AM	790.03	0.7242	0.4470	0.2700	14.308	14.348	0.0010	42.24	42.40
10-07-43 AM	795.01	0.6400	0.4476	0.2700	14.302	14.338	0.0010	42.32	42.46
10-07-48 AM	800.04	0.6700	0.4471	0.2700	14.301	14.336	0.0010	42.19	42.43

## Subpart 1a Test Log Data

10:07:53 AM	816.02	0.7126	04726	02206	14.363	14.336	D0011	41.85	54.94	45.48
10:07:58 AM	810.08	0.3082	04726	02634	14.368	14.361	D0011	41.87	55.16	45.83
10:08:03 AM	815.03	0.2465	04726	02635	14.368	14.307	D0011	41.87	55.16	45.83
10:08:08 AM	820.02	0.2399	04710	02462	14.361	14.233	D0011	41.85	55.26	45.84
10:08:13 AM	826.08	0.2447	04716	02723	14.364	14.306	D0016	41.56	55.50	45.86
10:08:18 AM	830.04	0.2612	04714	02826	14.361	14.208	D0014	41.47	56.81	46.32
10:08:23 AM	825.03	0.2735	04714	02906	14.366	14.205	D0012	41.50	55.75	45.88
10:08:28 AM	804.41	0.2768	04711	02828	14.349	14.201	D0012	41.49	55.88	47.28
10:08:33 AM	845.04	0.2688	04706	02780	14.356	14.206	D0013	41.44	55.97	47.36
10:08:38 AM	840.02	0.2604	04701	02100	14.267	14.209	D0013	41.82	55.07	46.03
10:08:43 AM	826.03	0.2589	04706	02814	14.342	14.247	D0014	41.42	56.29	46.58
10:08:48 AM	809.04	0.2592	04711	02888	14.351	14.304	D0015	41.73	56.23	46.87
10:08:53 AM	826.01	0.2622	04706	02817	14.262	14.343	D0013	41.89	56.46	46.50
10:08:58 AM	878.04	0.2629	04706	02780	14.356	14.206	D0013	41.50	55.98	46.02
10:09:03 AM	875.03	0.2641	04706	02130	14.332	14.216	D0017	42.48	55.72	54.41
10:09:08 AM	890.02	0.2647	04701	02588	14.346	14.204	D0017	42.49	55.85	52.08
10:09:13 AM	865.05	0.2659	04706	02672	14.339	14.328	D0011	42.84	56.98	53.08
10:09:18 AM	878.01	1.2646	04706	02888	14.348	14.312	D0015	42.84	57.11	54.02
10:09:23 AM	865.00	1.2663	04706	02882	14.329	14.315	D0013	42.82	57.22	55.16
10:09:28 AM	879.01	1.2665	04701	02844	14.349	14.285	D0018	43.21	57.34	56.15
10:09:33 AM	886.02	1.2682	04706	02644	14.343	14.309	D0017	43.67	57.46	57.46
10:09:38 AM	810.01	1.2676	04706	02624	14.323	14.286	D0017	43.22	57.56	58.31
10:09:43 AM	815.04	1.2673	04706	02621	14.320	14.319	D0017	43.58	57.71	58.38
10:09:48 AM	879.02	1.2668	04706	02778	14.310	14.292	D0020	45.26	57.84	58.70
10:09:53 AM	826.00	1.2661	04707	02697	14.303	14.296	D0020	45.20	57.93	58.26
10:09:58 AM	890.01	1.2662	04701	02815	14.325	14.289	D0020	45.92	56.08	52.46
10:10:03 AM	826.02	1.2685	04706	02664	14.285	14.297	D0022	47.43	58.28	54.35
10:10:08 AM	879.01	1.2651	04706	02787	14.328	14.294	D0021	47.88	58.32	55.68
10:10:13 AM	845.03	1.2655	04706	02627	14.321	14.295	D0021	48.44	58.38	56.76
10:10:18 AM	878.02	1.2656	04706	02778	14.310	14.292	D0020	48.10	58.52	57.68
10:10:23 AM	826.05	1.2670	04706	02704	14.323	14.293	D0021	50.37	58.61	59.17
10:10:28 AM	879.01	1.2665	04706	02806	14.325	14.295	D0021	50.50	58.74	59.28
10:10:33 AM	826.02	1.2685	04706	02664	14.285	14.297	D0022	52.40	58.81	51.18
10:10:38 AM	879.02	1.2651	04706	02787	14.328	14.294	D0021	52.28	58.58	51.51
10:10:43 AM	875.03	1.2667	04706	02665	14.323	14.297	D0022	53.84	58.12	51.88
10:10:48 AM	826.01	1.2669	04706	02777	14.327	14.294	D0024	54.48	58.18	52.42
10:10:53 AM	826.02	1.2667	04707	02716	14.294	14.298	D0024	55.11	58.37	52.94
10:10:58 AM	826.02	1.2661	04706	02711	14.307	14.279	D0023	55.52	58.45	53.70
10:11:03 AM	826.02	1.2647	04706	02806	14.323	14.298	D0020	56.40	58.58	54.45
10:11:08 AM	826.01	1.2676	04706	02790	14.321	14.291	D0021	56.28	58.58	51.51
10:11:13 AM	826.03	1.2648	04706	02652	14.329	14.291	D0021	56.63	58.65	51.18
10:11:18 AM	826.02	1.2657	04706	02652	14.329	14.297	D0022	57.26	58.77	52.31
10:11:23 AM	810.02	1.2619	04706	02626	14.296	14.299	D0021	57.78	58.63	53.52
10:11:28 AM	810.03	1.2638	04706	02666	14.324	14.292	D0020	58.55	58.94	56.18
10:11:33 AM	826.02	1.2615	04706	02624	14.329	14.295	D0021	59.12	58.76	57.18
10:11:38 AM	826.02	1.2642	04706	02616	14.323	14.273	D0020	59.38	58.56	54.45
10:11:43 AM	826.03	1.2637	04706	02663	14.311	14.298	D0021	59.63	58.65	51.18
10:11:48 AM	826.02	1.2635	04706	02632	14.324	14.297	D0022	59.26	58.77	52.31
10:11:53 AM	826.02	1.2639	04706	02626	14.296	14.299	D0021	59.78	58.63	53.52
10:11:58 AM	826.03	1.2635	04706	02666	14.324	14.292	D0020	59.55	58.94	56.18
10:12:03 AM	826.02	1.2615	04706	02624	14.329	14.295	D0021	59.76	58.76	57.18
10:12:08 AM	826.02	1.2642	04706	02616	14.323	14.273	D0020	60.29	58.56	54.45
10:12:13 AM	826.03	1.2637	04706	02663	14.311	14.298	D0021	60.38	58.65	51.18
10:12:18 AM	826.02	1.2635	04706	02632	14.296	14.297	D0022	60.48	58.77	52.31
10:12:23 AM	826.02	1.2639	04706	02626	14.324	14.299	D0021	60.33	58.73	58.85
10:12:28 AM	826.03	1.2635	04706	02666	14.324	14.292	D0020	60.86	58.90	56.26
10:12:33 AM	826.03	1.2638	04706	02616	14.296	14.267	D0020	61.12	58.59	53.12
10:12:38 AM	826.01	1.2666	04701	02675	14.294	14.298	D0027	61.18	58.66	54.49
10:12:43 AM	826.04	1.2642	04706	02666	14.212	14.294	D0026	61.54	61.43	58.66
10:12:48 AM	826.02	1.2601	04706	02606	14.299	14.292	D0024	61.01	58.78	53.98

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08-15 53 AM	1345-43	1 3882	0 4855	0 8195	14 333	M 228	0 0134	74 71	02 06
08-16 54 AM	1356-50	1 3877	0 4875	0 8274	14 318	14 284	0 0033	74 41	02 05
08-17 03 AM	1366-04	1 3823	0 4855	0 8184	14 225	M 265	0 0020	74 26	02 11
08-17 08 AM	1369-02	1 3879	0 4854	0 8204	14 323	M 253	0 0030	74 35	02 10
08-17 13 AM	1370-03	1 3888	0 4866	0 8289	14 289	M 259	0 0029	74 57	02 29
08-17 18 AM	1370-03	1 3825	0 4859	0 8188	14 223	14 281	0 0029	74 62	02 30
08-17 23 AM	1375-91	1 3886	0 4855	0 8270	14 216	14 284	0 0027	75 04	02 05
08-17 28 AM	1389-05	1 3898	0 4853	0 8286	14 216	M 226	0 0029	75 23	02 04
08-17 33 AM	1386-82	1 3888	0 4859	0 8280	14 221	14 219	0 0031	75 06	02 03
08-17 38 AM	1386-81	1 3878	0 4855	0 8257	14 315	M 225	0 0030	75 07	02 03
08-17 43 AM	1386-84	1 3857	0 4855	0 8241	14 289	14 212	0 0030	75 05	02 01
08-17 48 AM	1385-82	1 3885	0 4855	0 8287	14 237	M 246	0 0029	75 21	02 21
08-17 53 AM	1385-81	1 3885	0 4855	0 8270	14 228	14 287	0 0028	75 51	02 03
08-17 58 AM	1416-04	1 2798	0 4826	0 7703	14 236	14 285	0 0028	76 01	01 01
08-18 03 PM	1416-02	1 2897	0 4827	0 7710	14 222	14 242	0 0021	77 11	04 08
08-18 08 PM	1429-78	1 2894	0 4874	0 8067	14 289	14 294	0 0028	77 46	04 15
08-18 13 PM	1425-04	1 2894	0 4877	0 8067	14 282	14 211	0 0025	77 59	04 22
08-18 18 PM	1428-82	1 2864	0 4824	0 8029	14 313	14 257	0 0024	78 22	04 29
08-18 23 PM	1426-81	1 2888	0 4825	0 8274	14 215	M 220	0 0029	78 45	04 34
08-18 28 PM	1440-04	1 2897	0 4825	0 8276	14 267	M 224	0 0028	78 78	04 43
08-18 33 PM	1446-07	1 2860	0 4829	0 8030	14 221	M 246	0 0027	78 98	04 52
08-18 38 PM	1450-05	1 2861	0 4826	0 8038	14 216	14 297	0 0027	79 28	04 50
08-18 43 PM	1455-82	1 2875	0 4825	0 8236	14 226	M 228	0 0029	79 62	04 47
08-18 48 PM	1459-91	1 2867	0 4832	0 8021	14 306	14 286	0 0028	79 35	04 52
08-18 53 PM	1459-91	1 2775	0 4839	0 8010	14 286	14 192	0 0028	80 03	04 53
08-18 58 PM	1479-03	1 2895	0 4826	0 8207	14 216	14 224	0 0021	80 39	04 42
08-19 03 PM	1476-08	1 2852	0 4829	0 8033	14 286	14 238	0 0021	80 54	04 52
08-19 08 PM	1483-04	1 2895	0 4827	0 8255	14 282	14 236	0 0029	80 69	04 58
08-19 13 PM	1488-09	1 2883	0 4825	0 8207	14 287	14 254	0 0021	81 00	04 13
08-19 18 PM	1489-08	1 2798	0 4826	0 8265	14 226	14 272	0 0022	81 23	04 28
08-19 23 PM	1494-04	1 2894	0 4829	0 8265	14 226	14 230	0 0024	81 53	04 33
08-19 28 PM	1505-02	1 2868	0 4829	0 8052	14 321	M 261	0 0032	81 94	04 38
08-19 33 PM	1505-04	1 2845	0 4823	0 8056	14 288	14 297	0 0021	81 71	04 44
08-19 38 PM	1507-04	1 2865	0 4822	0 8270	14 286	14 217	0 0024	81 99	04 52
08-19 43 PM	1511-02	1 2875	0 4827	0 8047	14 301	M 212	0 0021	82 26	04 43
08-19 48 PM	1519-05	1 2870	0 4826	0 8265	14 317	M 226	0 0026	82 46	04 49
08-19 53 PM	1525-03	1 2879	0 4820	0 8262	14 325	M 252	0 0022	82 67	04 51
08-19 58 PM	1539-03	1 2861	0 4829	0 8275	14 324	M 288	0 0029	82 91	04 50
08-20 03 PM	1525-05	1 2881	0 4826	0 8265	14 328	M 261	0 0026	83 23	04 52
08-20 08 PM	1545-01	1 2857	0 4829	0 8745	14 325	M 287	0 0022	83 51	04 51
08-20 13 PM	1560-04	1 2464	0 4822	0 8280	14 282	14 247	0 0021	83 99	04 45
08-20 18 PM	1565-02	1 2892	0 4822	0 8246	14 321	M 250	0 0022	84 03	04 48
08-20 23 PM	1569-07	1 2866	0 4824	0 8264	14 226	14 258	0 0022	84 27	04 24
08-20 28 PM	1576-04	1 2819	0 4825	0 8252	14 304	14 244	0 0026	84 46	04 31
08-20 33 PM	1585-04	1 2861	0 4825	0 8466	14 324	14 271	0 0020	84 54	04 25
08-20 38 PM	1585-02	1 2863	0 4826	0 8461	14 291	14 218	0 0026	84 71	04 42
08-20 43 PM	1575-06	1 2819	0 4824	0 8267	14 294	14 292	0 0026	84 79	04 41
08-20 48 PM	1588-03	1 2814	0 4823	0 8240	14 326	M 258	0 0022	84 81	04 44
08-20 53 PM	1595-01	1 2861	0 4823	0 8267	14 335	14 222	0 0023	84 89	04 54
08-20 58 PM	1598-04	1 2862	0 4822	0 8246	14 328	14 248	0 0024	85 01	04 44
08-21 03 PM	1605-02	1 2873	0 4827	0 8446	14 321	14 265	0 0021	85 19	04 23
08-21 08 PM	1649-08	1 2816	0 4827	0 8651	14 286	14 216	0 0026	85 33	04 27
08-21 13 PM	1650-03	1 2842	0 4823	0 8288	14 318	14 256	0 0023	85 34	04 26
08-21 18 PM	1650-01	1 2894	0 4824	0 8298	14 304	14 239	0 0023	85 30	04 27

## PDR#646 to 1130pm Date

10-21-23 AM	1655-04	13861	04524	05178	14-207	14-225	04838	05-31	05-35	04-02
10-21-23 AM	1655-05	12884	04523	05164	14-206	14-224	04835	05-30	05-34	04-01
10-21-23 AM	1655-04	14040	04523	05167	14-205	14-223	04834	05-43	05-39	04-01
10-21-23 AM	1620-02	14285	04526	05121	14-304	14-247	04836	05-21	05-17	04-06
10-21-23 AM	1620-03	14056	04522	05121	14-302	14-248	04833	05-10	05-20	04-02
10-21-23 AM	1620-04	14055	04520	05121	14-313	14-251	04832	05-08	05-39	04-01
10-21-23 AM	1450-01	15467	04522	13023	14-202	14-251	04837	05-12	05-29	04-01
10-21-23 AM	1450-02	13978	04528	05002	14-206	14-254	04833	05-23	05-42	04-06
10-20-20 AM	1655-03	13871	04522	05170	14-317	14-273	04832	05-44	05-49	04-08
10-20-20 AM	1655-02	13882	04528	05102	14-307	14-268	04835	05-05	05-37	04-03
10-22-13 AM	1655-05	14079	04528	13482	14-321	14-268	04833	05-15	05-61	04-02
10-22-14 AM	1657-03	15088	04523	13976	14-209	14-270	04834	05-03	05-07	04-06
10-22-23 AM	1455-01	15469	04527	13985	14-342	14-268	04836	05-21	05-12	04-28
10-22-23 AM	1450-01	15463	04522	05005	14-322	14-274	04832	05-21	05-33	04-21
10-22-23 AM	1655-02	15095	04522	05106	14-317	14-268	04833	05-41	05-06	04-28
10-22-23 AM	1655-01	14081	04528	05107	14-316	14-265	04834	05-16	05-02	04-10
10-22-43 AM	1655-05	15285	04523	05006	14-309	14-246	04836	05-09	05-19	04-06
10-22-44 AM	1708-01	14092	04526	05027	14-315	14-221	04837	05-57	05-05	04-07
10-22-53 AM	1708-02	14097	04527	05005	14-305	14-225	04835	05-33	05-10	04-03
10-22-58 AM	1710-01	13777	04522	05110	14-294	14-226	04834	05-15	05-18	04-24
10-22-59 AM	1710-02	14098	04522	05006	14-297	14-273	04832	05-54	05-24	04-24
10-23-00 AM	1729-02	14079	04527	05012	14-305	14-268	04833	05-31	05-20	04-08
10-23-13 AM	1725-05	14093	04523	05005	14-305	14-242	04836	05-09	05-24	04-01
10-23-18 AM	1729-02	14070	04526	05004	14-305	14-222	04833	05-49	05-35	04-07
10-23-23 AM	1726-01	13914	04524	05002	14-307	14-252	04833	05-21	05-48	04-27
10-23-28 AM	1740-04	14093	04526	05006	14-317	14-264	04830	05-33	05-31	04-05
10-23-32 AM	1745-02	15089	04522	13975	14-304	14-268	04838	05-77	05-37	04-02
10-23-38 AM	1750-03	15172	04528	05002	14-303	14-244	04833	05-24	05-36	04-03
10-23-43 AM	1755-05	14088	04526	05005	14-305	14-222	04836	05-03	05-24	04-06
10-23-48 AM	1708-01	14075	04527	05007	14-303	14-262	04841	05-06	05-72	04-11
10-23-53 AM	1708-02	14070	04527	05007	14-303	14-265	04833	05-28	05-70	04-03
10-23-58 AM	1708-01	14070	04527	05007	14-303	14-265	04833	05-26	05-34	04-04
10-24-00 AM	1708-02	14070	04527	05007	14-303	14-265	04833	05-30	05-38	04-09
10-24-05 AM	1708-03	14074	04514	05138	14-307	14-268	04830	05-38	05-36	04-14
10-24-10 AM	1708-02	14062	04526	05005	14-305	14-225	04832	05-03	05-05	04-24
10-24-15 AM	1708-02	14062	04526	05006	14-305	14-244	04833	05-06	05-38	04-19
10-24-20 AM	1708-03	14062	04526	05006	14-305	14-275	04833	05-07	05-15	04-30
10-24-25 AM	1708-03	14062	04526	05006	14-305	14-265	04833	05-05	05-18	04-29
10-24-30 AM	1708-03	14062	04526	05006	14-305	14-272	04833	05-05	05-15	04-29
10-24-35 AM	1708-01	14064	04526	05125	14-305	14-269	04833	05-03	05-07	04-32
10-24-40 AM	1649-01	14067	04527	05138	14-305	14-268	04830	05-21	05-49	04-00
10-24-43 AM	1645-04	14060	04529	05008	14-308	14-263	04833	05-57	05-44	04-03
10-24-48 AM	1649-02	14064	04526	05007	14-307	14-270	04834	05-48	05-77	04-41
10-24-53 AM	1652-04	14064	04526	05003	14-307	14-227	04833	05-04	05-34	04-06
10-24-58 AM	1652-01	14062	04522	05005	14-303	14-269	04833	05-18	05-06	04-07
10-25-03 AM	1652-04	13954	04523	05008	14-294	14-252	04834	05-18	05-05	04-09
10-25-08 AM	1649-02	14061	04524	05125	14-301	14-197	04833	05-33	05-07	04-06
10-25-13 AM	1645-06	15261	04527	05179	14-295	14-146	04836	05-21	05-07	04-27
10-25-18 AM	1659-03	14079	04522	05002	14-309	14-160	04837	05-24	05-10	04-03
10-25-23 AM	1653-01	14063	04526	05008	14-295	14-133	04833	05-23	05-06	04-02
10-25-28 AM	1658-01	14061	04521	05009	14-293	14-128	04837	05-02	05-13	04-02
10-25-33 AM	1653-02	14064	04522	05127	14-299	14-154	04833	05-77	05-12	04-22
10-25-38 AM	1649-01	14066	04520	05000	14-298	14-144	04836	05-57	05-15	04-20
10-25-43 AM	1657-03	12666	04522	05005	14-294	14-150	04833	05-16	05-20	04-02
10-25-48 AM	1659-01	13900	04520	05004	14-227	14-173	04832	05-01	05-23	04-09

## 904m to 1120nm Data

10:25:53 AM	1005:04	13471	0.4523	0.0024	14:287	14:100	0.0026	01:48	00:27	01:44
10:25:58 AM	1006:02	14438	0.4526	0.0025	14:310	14:111	0.0023	01:49	00:28	01:45
10:26:03 AM	1006:06	13324	0.4523	0.0026	14:309	14:117	0.0023	01:43	00:32	01:46
10:26:08 AM	1006:02	14526	0.4526	0.0025	14:310	14:117	0.0024	01:49	00:28	01:46
10:26:13 AM	1005:04	14889	0.4526	1.0000	14:310	14:219	0.0027	01:45	00:43	01:46
10:26:18 AM	1004:03	14507	0.4526	1.0000	14:324	14:205	0.0028	01:26	00:47	01:41
10:26:23 AM	1015:02	13028	0.4526	0.0029	14:325	14:107	0.0024	01:46	00:52	01:33
10:26:28 AM	1009:04	14829	0.4527	1.0000	14:281	14:280	0.0026	01:23	00:35	01:42
10:26:33 AM	1026:02	13048	0.4526	1.0000	14:211	14:214	0.0026	01:42	00:42	01:46
10:26:38 AM	1003:01	13275	0.4529	0.0026	14:284	14:177	0.0026	01:40	00:48	01:46
10:26:43 AM	1005:04	14465	0.4524	0.0025	14:231	14:191	0.0027	01:49	00:21	01:46
10:26:48 AM	1003:02	14944	0.4526	1.0000	14:263	14:209	0.0028	01:40	00:47	01:46
10:26:53 AM	1005:02	15073	0.4523	0.0022	14:307	14:174	0.0026	01:46	00:52	01:33
10:26:58 AM	1004:02	12989	0.4526	0.0025	14:310	14:199	0.0026	01:41	00:48	01:46
10:27:03 AM	1005:02	13084	0.4527	0.0026	14:288	14:203	0.0026	01:45	00:51	01:41
10:27:08 AM	1003:02	14134	0.4526	1.0000	14:288	14:209	0.0026	01:48	00:28	01:46
10:27:13 AM	1005:02	13082	0.4526	1.0000	14:239	14:220	0.0022	01:17	00:43	01:46
10:27:18 AM	1004:03	14176	0.4526	0.0026	14:267	14:205	0.0023	01:25	00:48	01:46
10:27:23 AM	1005:04	14468	0.4524	0.0025	14:285	14:209	0.0028	01:37	00:43	01:46
10:27:28 AM	1005:02	14846	0.4526	0.0025	14:202	14:202	0.0026	01:46	00:47	01:46
10:27:33 AM	1005:02	13085	0.4526	0.0025	14:288	14:212	0.0022	01:49	00:21	01:46
10:27:38 AM	1004:02	13095	0.4526	0.0025	14:288	14:222	0.0028	01:39	00:48	01:46
10:27:43 AM	1005:02	13073	0.4526	0.0021	14:288	14:206	0.0026	01:52	00:32	01:46
10:27:48 AM	1004:02	13021	0.4523	0.0026	14:311	14:257	0.0027	01:56	00:38	01:13
10:27:53 AM	1005:02	14055	0.4527	0.0021	14:316	14:308	0.0026	01:15	00:41	01:22
10:27:58 AM	1005:04	14766	0.4526	0.0025	14:282	14:206	0.0026	01:46	00:47	01:46
10:28:03 AM	1005:02	13085	0.4526	0.0025	14:288	14:212	0.0022	01:49	00:21	01:46
10:28:08 AM	1004:02	13095	0.4526	0.0025	14:288	14:222	0.0028	01:39	00:48	01:46
10:28:13 AM	1005:02	13073	0.4526	0.0021	14:288	14:206	0.0026	01:52	00:32	01:46
10:28:18 AM	1004:02	13021	0.4523	0.0026	14:311	14:257	0.0027	01:56	00:38	01:13
10:28:23 AM	1005:02	14055	0.4527	0.0021	14:316	14:308	0.0026	01:15	00:41	01:22
10:28:28 AM	1005:04	14766	0.4526	0.0025	14:282	14:206	0.0026	01:46	00:47	01:46
10:28:33 AM	1005:04	14078	0.4527	1.0000	14:291	14:243	0.0026	01:46	00:47	01:46
10:28:38 AM	1004:02	13095	0.4526	1.0000	14:309	14:241	0.0025	01:44	00:48	01:46
10:28:43 AM	1005:02	13073	0.4526	1.0000	14:285	14:254	0.0026	01:54	00:33	01:46
10:28:48 AM	1004:02	13021	0.4523	1.0000	14:307	14:208	0.0027	01:47	00:42	01:46
10:28:53 AM	1005:02	14055	0.4527	1.0000	14:307	14:207	0.0026	01:45	00:48	01:46
10:28:58 AM	1005:04	14766	0.4526	1.0000	14:286	14:242	0.0026	01:46	00:47	01:46
10:29:03 AM	1005:04	14083	0.4528	0.0024	14:314	14:263	0.0027	01:27	00:38	01:23
10:29:08 AM	1005:02	14087	0.4525	0.0026	14:286	14:259	0.0027	01:51	00:32	01:43
10:29:13 AM	1005:02	14089	0.4526	0.0026	14:286	14:266	0.0026	01:46	00:48	01:46
10:29:18 AM	1005:02	14086	0.4526	0.0026	14:286	14:266	0.0026	01:46	00:48	01:46
10:29:23 AM	1005:02	14082	0.4523	0.0026	14:282	14:262	0.0026	01:46	00:48	01:46
10:29:28 AM	1005:04	14081	0.4522	1.0000	14:281	14:261	0.0026	01:46	00:47	01:46
10:29:33 AM	1005:02	14082	0.4522	1.0000	14:280	14:260	0.0026	01:45	00:48	01:46
10:29:38 AM	1005:02	14082	0.4512	0.0026	14:310	14:264	0.0027	01:37	01:42	01:46
10:29:43 AM	1015:01	14081	0.4508	0.0026	14:310	14:213	0.0026	01:42	01:32	01:46
10:29:48 AM	1005:04	14088	0.4526	0.0026	14:281	14:261	0.0026	01:40	01:38	01:46
10:29:53 AM	1005:02	14085	0.4512	0.0026	14:288	14:266	0.0026	01:45	00:48	01:46
10:29:58 AM	1005:02	14081	0.4527	1.0000	14:287	14:247	0.0026	01:47	01:52	01:46
10:30:03 AM	1005:02	14085	0.4524	0.0024	14:320	14:247	0.0024	01:24	01:47	01:46
10:30:08 AM	1005:02	14082	0.4512	0.0026	14:310	14:264	0.0027	01:37	01:42	01:46
10:30:13 AM	1015:01	14081	0.4508	0.0026	14:310	14:213	0.0026	01:42	01:32	01:46
10:30:18 AM	1005:04	14088	0.4526	0.0026	14:281	14:261	0.0026	01:40	01:38	01:46
10:30:23 AM	1005:02	14085	0.4512	0.0026	14:288	14:266	0.0026	01:45	00:48	01:46
10:30:28 AM	1005:02	14081	0.4527	1.0000	14:287	14:247	0.0026	01:47	01:52	01:46
10:30:33 AM	1005:02	14085	0.4525	0.0024	14:320	14:247	0.0024	01:24	01:47	01:46
10:30:38 AM	1005:02	14082	0.4512	0.0026	14:310	14:264	0.0027	01:37	01:42	01:46
10:30:43 AM	1015:01	14081	0.4508	0.0026	14:310	14:213	0.0026	01:42	01:32	01:46
10:30:48 AM	1005:04	14088	0.4526	0.0026	14:281	14:261	0.0026	01:40	01:38	01:46
10:30:53 AM	1005:02	14085	0.4512	0.0026	14:288	14:266	0.0026	01:45	00:48	01:46
10:30:58 AM	1005:02	14081	0.4527	1.0000	14:287	14:247	0.0026	01:47	01:52	01:46
10:31:03 AM	1005:02	14085	0.4525	0.0024	14:320	14:247	0.0024	01:24	01:47	01:46
10:31:08 AM	1005:02	14082	0.4512	0.0026	14:310	14:264	0.0027	01:37	01:42	01:46
10:31:13 AM	1015:01	14081	0.4508	0.0026	14:310	14:213	0.0026	01:42	01:32	01:46
10:31:18 AM	1005:04	14088	0.4526	0.0026	14:281	14:261	0.0026	01:40	01:38	01:46
10:31:23 AM	1005:02	14085	0.4512	0.0026	14:288	14:266	0.0026	01:45	00:48	01:46
10:31:28 AM	1005:02	14081	0.4527	1.0000	14:287	14:247	0.0026	01:47	01:52	01:46
10:31:33 AM	1005:02	14085	0.4525	0.0024	14:320	14:247	0.0024	01:24	01:47	01:46
10:31:38 AM	1005:02	14082	0.4512	0.0026	14:310	14:264	0.0027	01:37	01:42	01:46
10:31:43 AM	1015:01	14081	0.4508	0.0026	14:310	14:213	0.0026	01:42	01:32	01:46
10:31:48 AM	1005:04	14088	0.4526	0.0026	14:281	14:261	0.0026	01:40	01:38	01:46
10:31:53 AM	1005:02	14085	0.4512	0.0026	14:288	14:266	0.0026	01:45	00:48	01:46
10:31:58 AM	1005:02	14081	0.4527	1.0000	14:287	14:247	0.0026	01:47	01:52	01:46
10:32:03 AM	1005:02	14085	0.4525	0.0024	14:320	14:247	0.0024	01:24	01:47	01:46
10:32:08 AM	1005:02	14082	0.4512	0.0026	14:310	14:264	0.0027	01:37	01:42	01:46
10:32:13 AM	1015:01	14081	0.4508	0.0026	14:310	14:213	0.0026	01:42	01:32	01:46
10:32:18 AM	1005:04	14088	0.4526	0.0026	14:281	14:261	0.0026	01:40	01:38	01:46
10:32:23 AM	1005:02	14085	0.4512	0.0026	14:288	14:266	0.0026	01:45	00:48	01:46
10:32:28 AM	1005:02	14081	0.4527	1.0000	14:287	14:247	0.0026	01:47	01:52	01:46
10:32:33 AM	1005:02	14085	0.4525	0.0024	14:320	14:247	0.0024	01:24	01:47	01:46
10:32:38 AM	1005:02	14082	0.4512	0.0026	14:310	14:264	0.0027	01:37	01:42	01:46
10:32:43 AM	1015:01	14081	0.4508	0.0026	14:310	14:213	0.0026	01:42	01:32	01:46
10:32:48 AM	1005:04	14088	0.4526	0.0026	14:281	14:261	0.0026	01:40	01:38	01:46
10:32:53 AM	1005:02	14085	0.4512	0.0026	14:288	14:266	0.0026	01:45	00:48	01:46
10:32:58 AM	1005:02	14081	0.4527	1.0000	14:287	14:247	0.0026	01:47	01:52	01:46
10:33:03 AM	1005:02	14085	0.4525	0.0024	14:320	14:247	0.0024	01:24	01:47	01:46
10:33:08 AM	1005:02	14082	0.4512	0.0026	14:310	14:264	0.0027	01:37	01:42	01:46

## B4-Cars 10-112888 Data

10-28-23 AM	2150 00	1.6015	0.6650	1.0000	14.261	14.257	0.0040	0.744	/1.00	0.80
10-29-23 AM	2150 04	1.4652	0.4515	0.0000	14.256	14.265	0.0000	0.753	/1.00	0.87
10-29-23 AM	2150 02	1.5107	0.4255	0.0075	14.251	14.245	0.0000	0.748	/1.00	0.81
10-29-23 AM	2150 06	1.5272	0.4500	0.0075	14.259	14.251	0.0000	0.725	/1.01	0.16
10-29-23 AM	2150 04	1.5492	0.4550	0.0025	14.246	14.254	0.0000	0.711	/1.00	0.21
10-29-23 AM	2150 02	1.5285	0.4485	0.0025	14.259	14.261	0.0000	0.736	/1.00	0.30
10-29-23 AM	2150 06	1.4982	0.4225	0.0044	14.261	14.258	0.0000	0.714	/2.05	0.43
10-29-23 AM	2150 02	1.3858	0.4140	0.0043	14.250	14.265	0.0000	0.739	/2.12	0.36
10-29-23 AM	2150 02	1.4982	0.4225	0.0025	14.211	14.261	0.0000	0.736	/2.18	0.30
10-29-23 AM	2200 06	1.2885	0.4507	0.0000	14.267	14.254	0.0000	0.703	/2.18	0.42
10-31-13 AM	2200 03	1.4674	0.4225	0.0071	14.277	14.257	0.0000	0.716	/2.21	0.30
10-31-10 AM	2210 06	1.4679	0.4442	0.0117	14.251	14.253	0.0000	0.721	/2.22	0.30
10-31-12 AM	2215 04	1.2874	0.4225	0.0000	14.256	14.262	0.0000	0.712	/2.26	0.29
10-31-12 AM	2220 02	1.2880	0.4110	0.0025	14.256	14.254	0.0000	0.711	/2.33	0.30
10-31-13 AM	2220 04	1.4685	0.4225	0.0000	14.214	14.264	0.0000	0.737	/2.37	0.33
10-31-13 AM	2220 04	1.4685	0.4225	0.0017	14.258	14.242	0.0000	0.701	/2.43	0.32
10-31-13 AM	2230 02	1.2874	0.4225	0.0071	14.260	14.263	0.0007	0.706	/2.46	0.33
10-31-16 AM	2240 06	1.4674	0.4475	0.0082	14.246	14.257	0.0007	0.734	/2.56	0.41
10-31-23 AM	2240 02	1.5004	0.4225	0.0274	14.254	14.242	0.0000	0.759	/2.38	0.42
10-31-23 AM	2250 04	1.5218	0.4485	0.0516	14.208	14.250	0.0000	0.753	/2.32	0.39
10-32-03 AM	2250 04	1.5687	0.4485	0.0001	14.286	14.240	0.0000	0.706	/2.16	0.24
10-32-03 AM	2250 02	1.4982	0.4225	0.0000	14.214	14.252	0.0002	0.726	/2.18	0.43
10-32-13 AM	2250 03	1.6446	0.4487	0.1149	14.286	14.220	0.0002	0.754	/2.15	0.37
10-32-16 AM	2250 03	1.4195	0.4503	0.0000	14.246	14.230	0.0006	0.736	/2.38	0.25
10-32-23 AM	2250 01	1.5654	0.4485	0.0001	14.312	14.287	0.0040	0.755	/2.32	0.41
10-32-23 AM	2250 04	1.5753	0.4485	0.0076	14.221	14.246	0.0000	0.712	/2.48	0.34
10-32-30 AM	2250 02	1.5486	0.4485	0.0000	14.268	14.262	0.0001	0.749	/2.48	0.39
10-32-30 AM	2250 06	1.5079	0.4485	0.0000	14.252	14.256	0.0000	0.742	/2.4	0.36
10-32-43 AM	2250 03	1.6200	0.4485	0.2067	14.286	14.253	0.0000	0.711	/4.41	0.45
10-32-46 AM	2250 08	1.5200	0.4475	0.2614	14.307	14.253	0.0006	0.744	/4.79	0.34
10-32-53 AM	2250 03	1.6200	0.4485	0.2685	14.263	14.294	0.0004	0.748	/4.76	0.41
10-32-58 AM	2250 02	1.5499	0.4485	0.2684	14.286	14.268	0.0000	0.750	/2.46	0.39
10-33-03 AM	2315 04	1.7222	0.4485	1.2965	14.286	14.262	0.0001	0.700	/2.48	0.39
10-33-08 AM	2250 03	1.5109	0.4477	1.2634	14.276	14.254	0.0000	0.742	/2.4	0.36
10-33-13 AM	2250 04	1.7648	0.4485	1.2967	14.286	14.253	0.0000	0.711	/4.41	0.45
10-33-16 AM	2250 04	1.6862	0.4485	1.2968	14.307	14.253	0.0006	0.744	/4.79	0.34
10-33-23 AM	2250 02	1.6200	0.4472	1.2917	14.276	14.239	0.0007	0.724	/2.38	0.33
10-33-28 AM	2240 04	1.6749	0.4485	1.2964	14.286	14.268	0.0004	0.757	/2.32	0.39
10-33-34 AM	2250 04	1.7222	0.4485	1.2965	14.277	14.230	0.0000	0.702	/2.39	0.40
10-33-38 AM	2250 03	1.5109	0.4477	1.2634	14.276	14.253	0.0001	0.746	/2.38	0.37
10-33-43 AM	2250 04	1.7648	0.4485	1.2967	14.274	14.228	0.0000	0.750	/2.32	0.36
10-33-46 AM	2250 04	1.6862	0.4485	1.2968	14.317	14.263	0.0006	0.746	/2.36	0.43
10-33-53 AM	2250 02	1.6200	0.4472	1.2917	14.276	14.239	0.0007	0.724	/2.38	0.33
10-33-58 AM	2240 04	1.6749	0.4485	1.2964	14.286	14.268	0.0004	0.757	/2.32	0.39
10-33-34 AM	2240 04	1.7222	0.4485	1.2965	14.277	14.230	0.0000	0.702	/2.39	0.40
10-34-08 AM	2250 02	1.2814	0.4485	1.0460	14.341	14.298	0.0000	0.673	/5.99	0.44
10-34-13 AM	2250 01	1.2203	0.4485	1.0465	14.285	14.278	0.0000	0.694	/5.89	0.43
10-34-18 AM	2250 04	1.2928	0.4485	1.0465	14.311	14.277	0.0004	0.702	/5.86	0.41
10-34-23 AM	2250 01	1.2203	0.4485	1.0731	14.326	14.298	0.0000	0.699	/5.97	0.42
10-34-28 AM	2250 06	2.0084	0.4485	1.0465	14.356	14.292	0.0000	0.674	/5.78	0.42
10-34-33 AM	2250 03	1.2788	0.4485	1.0476	14.349	14.297	0.0001	0.694	/5.82	0.43
10-34-38 AM	2415 01	1.3983	0.4487	1.0461	14.355	14.294	0.0000	0.673	/5.97	0.44
10-34-43 AM	2415 01	0.0108	0.0145	0.0007	14.401	0.428	0.0004	0.704	/5.74	0.42
10-34-48 AM	2420 00	0.0034	0.0038	0.0000	14.403	1.054	0.0000	0.688	/5.88	0.43

## 864nm to 1120nm Data

10:34:42 AM	2425.94	0.0332	0.0349	0.0367	14.398	1.046	0.0008	82.87	76.84	76.97
10:34:55 AM	2428.92	0.0185	0.0185	0.0185	14.393	0.547	0.0008	77.85	82.40	71.12
10:35:00 AM	2435.95	0.0124	0.0127	0.0126	14.395	0.385	0.0008	73.45	82.95	64.68
10:35:09 AM	2444.94	0.0080	0.0080	0.0080	14.400	0.360	0.0008	88.92	81.54	94.88
10:35:13 AM	2445.92	0.0087	0.0088	0.0088	14.402	0.700	0.0008	87.30	88.21	82.01
10:35:15 AM	2458.94	0.0050	0.0050	0.0050	14.394	1.587	0.0008	84.80	88.51	58.77
10:35:23 AM	2465.91	0.0078	0.0078	0.0078	14.417	0.822	0.0008	82.65	86.09	54.80
10:35:26 AM	2468.91	0.0088	0.0085	0.0085	14.405	0.972	0.0008	81.84	78.77	52.01
10:35:32 AM	2476.92	0.0104	0.0105	0.0105	14.404	0.293	0.0008	86.32	84.44	54.88
10:35:38 AM	2479.93	0.0087	0.0085	0.0085	14.399	0.104	0.0008	88.58	86.46	54.88
10:35:43 AM	2479.94	0.0090	0.0090	0.0090	14.398	0.263	0.0008	58.31	86.04	54.88
10:35:48 AM	2482.94	0.0092	0.0079	0.0079	14.299	14.161	0.0003	57.46	75.51	51.80
10:35:53 AM	2485.94	0.0088	0.0088	0.0088	14.395	14.148	0.0008	58.98	76.43	56.89
10:35:56 AM	2488.92	0.0083	0.0072	0.0072	14.397	14.086	0.0003	57.53	77.44	61.96
10:36:03 AM	2495.94	0.0071	0.0071	0.0071	14.211	13.956	0.0004	89.42	77.42	62.12
10:36:09 AM	2500.94	0.0078	0.0078	0.0078	14.224	14.817	0.0008	88.98	77.45	68.89
10:36:13 AM	2501.94	0.0075	0.0077	0.0077	14.226	14.113	0.0003	89.91	77.38	72.86
10:36:19 AM	2516.93	0.0075	0.0075	0.0075	14.202	14.002	0.0003	82.56	77.34	75.31
10:36:23 AM	2519.93	0.0080	0.0080	0.0080	14.217	14.228	0.0008	84.28	77.38	77.38
10:36:26 AM	2520.92	0.0088	0.0088	0.0088	14.201	14.066	0.0003	86.39	77.28	70.52
10:36:32 AM	2525.95	0.0089	0.0089	0.0089	14.272	14.165	0.0008	88.98	77.26	76.76
10:36:38 AM	2528.93	0.0082	0.0085	0.0085	14.202	14.388	0.0008	71.51	77.18	61.89
10:36:43 AM	2535.91	0.0087	0.0088	0.0088	14.246	14.208	0.0001	72.78	77.21	61.89
10:36:48 AM	2548.94	0.0072	0.0072	0.0072	14.209	14.205	0.0008	26.82	77.27	61.82
10:36:53 AM	2549.92	0.0084	0.0084	0.0084	14.207	14.200	0.0008	77.21	77.16	62.31
10:36:56 AM	2552.95	0.0080	0.0080	0.0080	14.261	14.271	0.0008	70.88	77.28	63.94
10:37:00 AM	2555.94	0.0089	0.0089	0.0089	14.273	14.165	0.0008	86.35	77.31	63.87
10:37:04 AM	2558.92	0.0082	0.0082	0.0082	14.202	14.207	0.0008	81.71	77.38	63.46
10:37:10 AM	2561.94	0.0082	0.0082	0.0082	14.242	14.200	0.0002	81.80	77.36	61.28
10:37:16 AM	2562.93	0.0081	0.0080	0.0080	14.207	14.216	0.0008	82.87	77.43	64.93
10:37:20 AM	2571.94	0.0088	0.0088	0.0088	14.216	13.885	0.0008	82.84	77.46	63.98
10:37:25 AM	2580.93	0.0089	0.0089	0.0089	14.261	14.045	0.0008	70.54	77.48	61.70
10:37:29 AM	2586.94	0.0082	0.0082	0.0082	14.284	14.841	0.0008	86.35	77.31	63.87
10:37:33 AM	2588.92	0.0084	0.0084	0.0084	14.235	14.077	0.0008	81.71	77.38	63.46
10:37:39 AM	2591.94	0.0081	0.0081	0.0081	14.280	13.888	0.0008	81.80	77.36	61.28
10:37:43 AM	2595.94	0.0088	0.0088	0.0088	14.289	13.886	0.0008	82.87	77.43	64.93
10:37:48 AM	2600.93	0.0084	0.0084	0.0084	14.229	14.041	0.0008	82.84	77.46	63.98
10:37:52 AM	2605.93	0.0088	0.0088	0.0088	14.287	13.887	0.0008	86.35	77.31	63.87
10:37:56 AM	2608.94	0.0084	0.0084	0.0084	14.285	14.043	0.0008	86.35	77.31	63.87
10:37:59 AM	2610.94	0.0084	0.0084	0.0084	14.226	14.205	0.0008	86.78	77.38	65.76
10:38:03 AM	2614.92	0.0082	0.0082	0.0082	14.241	14.222	0.0002	86.87	77.48	61.86
10:38:08 AM	2618.95	0.0085	0.0085	0.0085	14.206	14.207	0.0002	86.87	77.48	61.86
10:38:13 AM	2621.93	0.0082	0.0082	0.0082	14.241	14.209	0.0008	86.88	77.49	61.87
10:38:16 AM	2630.92	0.0083	0.0083	0.0083	14.225	14.206	0.0008	87.21	74.31	61.87
10:38:23 AM	2635.91	0.0082	0.0082	0.0082	14.202	14.204	0.0008	87.17	74.11	61.88
10:38:26 AM	2640.94	0.0157	0.0088	0.0088	14.277	14.208	0.0018	87.88	74.10	61.83
10:38:31 AM	2645.91	0.0088	0.0079	0.0079	14.280	15.512	0.0005	87.51	76.74	63.83
10:38:36 AM	2650.91	0.0084	0.0084	0.0084	14.261	14.067	0.0008	86.78	77.38	65.51
10:38:41 AM	2654.95	0.0082	0.0082	0.0082	14.241	14.210	0.0008	87.21	74.12	61.82
10:38:45 AM	2658.92	0.0083	0.0083	0.0083	14.225	14.206	0.0008	87.39	74.31	61.87
10:38:51 AM	2662.91	0.0082	0.0082	0.0082	14.203	14.204	0.0008	87.17	74.11	61.88
10:38:55 AM	2665.91	0.0082	0.0082	0.0082	14.275	14.202	0.0008	86.70	76.90	63.81
10:38:59 AM	2668.92	0.0087	0.0087	0.0087	14.246	14.205	0.0008	86.21	73.79	63.87
10:39:03 AM	2671.93	0.0087	0.0087	0.0087	14.205	14.219	0.0008	86.90	73.34	66.45
10:39:08 AM	2675.93	0.0082	0.0082	0.0082	14.246	14.208	0.0008	86.88	73.26	63.88
10:39:12 AM	2679.94	0.0082	0.0082	0.0082	14.211	0.4536	0.0008	86.90	73.10	63.84
10:39:16 AM	2682.93	0.0082	0.0082	0.0082	14.213	0.4536	0.0008	86.91	73.04	63.84
10:39:21 AM	2685.93	0.0082	0.0082	0.0082	14.213	14.207	0.0008	86.91	73.04	63.84
10:39:25 AM	2688.93	0.0082	0.0082	0.0082	14.213	14.207	0.0008	86.91	73.04	63.84
10:39:30 AM	2692.93	0.0082	0.0082	0.0082	14.213	14.207	0.0008	86.91	73.04	63.84
10:39:34 AM	2695.93	0.0082	0.0082	0.0082	14.213	14.207	0.0008	86.91	73.04	63.84
10:39:38 AM	2698.93	0.0082	0.0082	0.0082	14.213	14.207	0.0008	86.91	73.04	63.84
10:39:42 AM	2702.93	0.0082	0.0082	0.0082	14.213	14.207	0.0008	86.91	73.04	63.84
10:39:46 AM	2705.93	0.0082	0.0082	0.0082	14.213	14.207	0.0008	86.91	73.04	63.84
10:39:50 AM	2708.93	0.0082	0.0082	0.0082	14.213	14.207	0.0008	86.91	73.04	63.84
10:39:54 AM	2712.93	0.0082	0.0082	0.0082	14.213	14.207	0.0008	86.91	73.04	63.84
10:39:58 AM	2715.93	0.0082	0.0082	0.0082	14.213	14.207	0.0008	86.91	73.04	63.84
10:40:02 AM	2718.93	0.0082	0.0082	0.0082	14.213	14.207	0.0008	86.91	73.04	63.84
10:40:06 AM	2721.93	0.0082	0.0082	0.0082	14.213	14.207	0.0008	86.91	73.04	63.84
10:40:10 AM	2724.93	0.0082	0.0082	0.0082	14.213	14.207	0.0008	86.91	73.04	63.84
10:40:14 AM	2727.93	0.0082	0.0082	0.0082	14.213	14.207	0.0008	86.91	73.04	63.84
10:40:18 AM	2730.93	0.0082	0.0082	0.0082	14.213	14.207	0.0008	86.91	73.04	63.84
10:40:22 AM	2733.93	0.0082	0.0082	0.0082	14.213	14.207	0.0008	86.91	73.04	63.84
10:40:26 AM	2736.93	0.0082	0.0082	0.0082	14.213	14.207	0.0008	86.91	73.04	63.84
10:40:30 AM	2739.93	0.0082	0.0082	0.0082	14.213	14.207	0.0008	86.91	73.04	63.84
10:40:34 AM	2742.93	0.0082	0.0082	0.0082	14.213	14.207	0.0008	86.91	73.04	63.84
10:40:38 AM	2745.93	0.0082	0.0082	0.0082	14.213	14.207	0.0008	86.91	73.04	63.84
10:40:42 AM	2748.93	0.0082	0.0082	0.0082	14.213	14.207	0.0008	86.91	73.04	63.84
10:40:46 AM	2751.93	0.0082	0.0082	0.0082	14.213	14.207	0.0008	86.91	73.04	63.84
10:40:50 AM	2754.93	0.0082	0.0082	0.0082	14.213	14.207	0.0008	86.91	73.04	63.84
10:40:54 AM	2757.93	0.0082	0.0082	0.0082	14.213	14.207	0.0008	86.91	73.04	63.84
10:40:58 AM	2760.93	0.0082	0.0082	0.0082	14.213	14.207	0.0008	86.91	73.04	63.84
10:41:02 AM	2763.93	0.0082	0.0082	0.0082	14.213	14.207	0.0008	86.91	73.04	63.84
10:41:06 AM	2766.93	0.0082	0.0082	0.0082	14.213	14.207	0.0008	86.91	73.04	63.84
10:41:10 AM	2769.93	0.0082	0.0082	0.0082	14.213	14.207	0.0008	86.91	73.04	63.84
10:41:14 AM	2772.93	0.0082	0.0082	0.0082	14.213	14.207	0.0008	86.91	73.04	63.84
10:41:18 AM	2775.93	0.0082	0.0082	0.0082	14.213	14.207	0.0008	86.91	73.04	63.84
10:41:22 AM	2778.93	0.0082	0.0082</							

## 154mm to 1120nm Data

10-30-21 AM	265.03	2.2645	0.2634	2.2617	14.385	0.184	0.0660	0.744	71.73	84.44
10-30-21 AM	270.01	2.4018	0.4003	2.3677	14.256	0.185	0.0654	0.745	71.70	84.47
10-30-21 AM	270.04	2.4020	0.4005	2.3674	14.250	0.185	0.0654	0.745	71.48	84.98
10-30-21 AM	271.03	1.9967	0.3919	1.9970	14.116	0.182	0.0626	0.735	71.30	84.89
10-30-21 AM	271.01	0.4610	0.4204	0.4661	14.384	12.527	0.0603	0.724	71.87	87.01
10-30-21 AM	272.02	0.4025	0.4007	0.4021	14.373	12.197	0.0602	0.714	70.83	84.43
10-30-21 AM	272.03	0.4078	0.4004	0.4068	14.112	13.082	0.0604	0.733	69.86	84.89
10-30-21 AM	272.00	0.4176	0.4005	0.4162	14.293	0.564	0.0612	0.724	72.84	84.89
10-30-21 AM	272.03	0.4176	0.4005	0.4162	14.294	0.187	0.0607	0.744	72.85	84.20
10-40-21 AM	273.02	0.1655	0.4005	0.1472	14.386	0.076	0.0605	0.733	72.92	84.66
10-40-21 AM	274.02	0.1107	0.2008	0.1126	14.381	0.068	0.0604	0.733	72.81	84.53
10-40-21 AM	274.02	0.1107	0.2008	0.1127	14.389	0.061	0.0604	0.723	72.57	84.10
10-40-21 AM	275.03	0.0701	0.2004	0.0697	14.382	0.067	0.0603	0.730	72.33	84.71
10-40-21 AM	276.03	0.0703	0.2011	0.0692	14.385	0.067	0.0603	0.730	72.33	84.71
10-40-21 AM	278.04	0.0703	0.2010	0.0698	14.397	0.062	0.0602	0.723	72.30	72.94
10-40-21 AM	278.05	0.0703	0.2010	0.0698	14.391	0.062	0.0602	0.723	71.84	77.36
10-40-21 AM	278.03	0.0698	0.2007	0.0675	14.393	0.062	0.0602	0.723	71.81	75.75
10-40-21 AM	279.01	0.0698	0.2008	0.0675	14.392	0.121	0.0602	0.715	71.41	74.02
10-40-21 AM	279.04	0.0676	0.2007	0.0667	14.389	0.062	0.0602	0.723	71.34	72.12
10-40-21 AM	279.02	0.0698	0.2012	0.0685	14.386	0.069	0.0602	0.715	71.96	70.04
10-40-21 AM	279.03	0.0698	0.2005	0.0671	14.397	0.121	0.0602	0.714	71.34	80.31
10-41-21 AM	279.04	0.0697	0.2011	0.0675	14.384	0.064	0.0602	0.742	70.82	86.53
10-41-21 AM	280.02	0.0615	0.2008	0.0656	14.386	0.066	0.0602	0.726	70.70	84.81
10-41-21 AM	280.01	0.0620	0.2008	0.0656	14.389	0.066	0.0602	0.726	70.56	83.93
10-41-21 AM	280.02	0.0620	0.2008	0.0656	14.382	0.067	0.0602	0.723	70.39	82.88
10-41-21 AM	281.03	0.0620	0.2008	0.0657	14.383	0.067	0.0602	0.723	70.18	81.98
10-41-21 AM	281.02	0.0617	0.2010	0.0656	14.397	0.067	0.0602	0.723	70.01	81.18
10-41-21 AM	282.01	0.0512	0.2017	0.0563	14.403	0.065	0.0602	0.723	70.64	80.31
10-41-21 AM	283.00	0.0509	0.2000	0.0563	14.398	0.066	0.0602	0.724	70.46	80.41
10-41-21 AM	283.02	0.0492	0.2002	0.0575	14.390	0.066	0.0602	0.724	70.42	58.74
10-41-21 AM	283.01	0.0508	0.2008	0.0569	14.399	0.065	0.0602	0.714	69.23	57.51
10-41-21 AM	284.04	0.0508	0.2007	0.0563	14.398	0.063	0.0602	0.727	69.03	56.42
10-41-21 AM	284.03	0.0505	0.2006	0.0560	14.397	0.065	0.0602	0.723	68.82	55.78
10-42-21 AM	284.02	0.0507	0.2007	0.0563	14.398	0.064	0.0602	0.723	68.66	54.58
10-42-21 AM	285.03	0.0508	0.2006	0.0567	14.397	0.063	0.0602	0.723	68.42	53.56
10-42-21 AM	286.04	0.0507	0.2005	0.0567	14.394	0.062	0.0602	0.723	68.26	52.93
10-42-21 AM	286.03	0.0503	0.2008	0.0563	14.395	0.063	0.0602	0.723	68.08	52.39
10-42-21 AM	287.02	0.0506	0.2008	0.0561	14.392	0.062	0.0602	0.723	68.04	52.04
10-42-21 AM	287.01	0.0504	0.2008	0.0561	14.391	0.062	0.0602	0.723	67.98	51.92
10-42-21 AM	288.02	0.0502	0.2007	0.0563	14.397	0.066	0.0602	0.722	67.95	51.92
10-42-21 AM	288.03	0.0505	0.2006	0.0567	14.397	0.063	0.0602	0.722	67.88	51.56
10-42-21 AM	289.02	0.0505	0.2007	0.0567	14.394	0.062	0.0602	0.722	67.86	51.56
10-42-21 AM	289.01	0.0507	0.2007	0.0567	14.393	0.063	0.0602	0.722	67.82	51.27
10-42-21 AM	290.04	0.0507	0.2007	0.0567	14.399	0.063	0.0602	0.721	67.78	51.27
10-42-21 AM	290.03	0.0507	0.2007	0.0567	14.398	0.063	0.0602	0.721	67.74	51.22
10-42-21 AM	291.04	0.0508	0.2007	0.0567	14.391	0.062	0.0602	0.721	67.70	50.78
10-42-21 AM	291.03	0.0508	0.2007	0.0567	14.392	0.062	0.0602	0.721	67.66	50.42
10-42-21 AM	291.02	0.0508	0.2007	0.0567	14.393	0.062	0.0602	0.721	67.64	50.44
10-42-21 AM	291.01	0.0508	0.2007	0.0567	14.394	0.062	0.0602	0.721	67.62	50.44
10-42-21 AM	292.04	0.0508	0.2007	0.0567	14.395	0.062	0.0602	0.721	67.58	50.42
10-42-21 AM	292.03	0.0508	0.2007	0.0567	14.396	0.062	0.0602	0.721	67.56	50.44
10-42-21 AM	292.02	0.0508	0.2007	0.0567	14.397	0.062	0.0602	0.721	67.54	50.44
10-42-21 AM	292.01	0.0508	0.2007	0.0567	14.398	0.062	0.0602	0.721	67.52	50.44
10-42-21 AM	293.04	0.0508	0.2007	0.0567	14.399	0.062	0.0602	0.721	67.50	50.44
10-42-21 AM	293.03	0.0508	0.2007	0.0567	14.400	0.062	0.0602	0.721	67.48	50.44
10-42-21 AM	293.02	0.0508	0.2007	0.0567	14.401	0.062	0.0602	0.721	67.46	50.44
10-42-21 AM	293.01	0.0508	0.2007	0.0567	14.402	0.062	0.0602	0.721	67.44	50.44
10-42-21 AM	294.04	0.0508	0.2007	0.0567	14.403	0.062	0.0602	0.721	67.42	50.44
10-42-21 AM	294.03	0.0508	0.2007	0.0567	14.404	0.062	0.0602	0.721	67.40	50.44
10-42-21 AM	294.02	0.0508	0.2007	0.0567	14.405	0.062	0.0602	0.721	67.38	50.44
10-42-21 AM	294.01	0.0508	0.2007	0.0567	14.406	0.062	0.0602	0.721	67.36	50.44
10-42-21 AM	295.04	0.0508	0.2007	0.0567	14.407	0.062	0.0602	0.721	67.34	50.44
10-42-21 AM	295.03	0.0508	0.2007	0.0567	14.408	0.062	0.0602	0.721	67.32	50.44
10-42-21 AM	295.02	0.0508	0.2007	0.0567	14.409	0.062	0.0602	0.721	67.30	50.44
10-42-21 AM	295.01	0.0508	0.2007	0.0567	14.410	0.062	0.0602	0.721	67.28	50.44
10-42-21 AM	296.04	0.0508	0.2007	0.0567	14.411	0.062	0.0602	0.721	67.26	50.44
10-42-21 AM	296.03	0.0508	0.2007	0.0567	14.412	0.062	0.0602	0.721	67.24	50.44
10-42-21 AM	296.02	0.0508	0.2007	0.0567	14.413	0.062	0.0602	0.721	67.22	50.44
10-42-21 AM	296.01	0.0508	0.2007	0.0567	14.414	0.062	0.0602	0.721	67.20	50.44
10-42-21 AM	297.04	0.0508	0.2007	0.0567	14.415	0.062	0.0602	0.721	67.18	50.44
10-42-21 AM	297.03	0.0508	0.2007	0.0567	14.416	0.062	0.0602	0.721	67.16	50.44
10-42-21 AM	297.02	0.0508	0.2007	0.0567	14.417	0.062	0.0602	0.721	67.14	50.44
10-42-21 AM	297.01	0.0508	0.2007	0.0567	14.418	0.062	0.0602	0.721	67.12	50.44
10-42-21 AM	298.04	0.0508	0.2007	0.0567	14.419	0.062	0.0602	0.721	67.10	50.44
10-42-21 AM	298.03	0.0508	0.2007	0.0567	14.420	0.062	0.0602	0.721	67.08	50.44
10-42-21 AM	298.02	0.0508	0.2007	0.0567	14.421	0.062	0.0602	0.721	67.06	50.44
10-42-21 AM	298.01	0.0508	0.2007	0.0567	14.422	0.062	0.0602	0.721	67.04	50.44
10-42-21 AM	299.04	0.0508	0.2007	0.0567	14.423	0.062	0.0602	0.721	67.02	50.44
10-42-21 AM	299.03	0.0508	0.2007	0.0567	14.424	0.062	0.0602	0.721	67.00	50.44
10-42-21 AM	299.02	0.0508	0.2007	0.0567	14.425	0.062	0.0602	0.721	66.98	50.44
10-42-21 AM	299.01	0.0508	0.2007	0.0567	14.426	0.062	0.0602	0.721	66.96	50.44
10-42-21 AM	300.04	0.0508	0.2007	0.0567	14.427	0.062	0.0602	0.721	66.94	50.44
10-42-21 AM	300.03	0.0508	0.2007	0.0567	14.428	0.062	0.0602	0.721	66.92	50.44
10-42-21 AM	300.02	0.0508	0.2007	0.0567	14.429	0.062	0.0602	0.721	66.90	50.44
10-42-21 AM	300.01	0.0508	0.2007	0.0567	14.430	0.062	0.0602	0.721	66.88	50.44
10-42-21 AM	301.04	0.0508	0.2007	0.0567	14.431	0.062	0.0602	0.721	66.86	50.44
10-42-21 AM	301.03	0.0508	0.2007	0.0567	14.432	0.062	0.0602	0.721	66.84	50.44
10-42-21 AM	301.02	0.0508	0.2007	0.0567	14.433	0.062	0.0602	0.721	66.82	50.44
10-42-21 AM	301.01	0.0508	0.2007	0.0567	14.434	0.062	0.			

ANSWER

Totals to Estimate Data									
10-46-23 AM	2725.02	87774	0.4768	0.2214	10.344	14.195	0.8843	25.65	62.72
10-46-24 AM	3248.04	0.6325	0.4738	0.4479	14.228	14.016	0.8819	26.00	62.70
10-46-25 AM	3246.04	1.0217	0.4704	0.4457	14.230	14.916	0.8821	26.79	62.13
10-46-26 AM	3244.02	1.0220	0.4693	0.5061	14.236	13.961	0.8879	25.68	63.24
10-46-27 AM	3255.02	1.0209	0.4673	0.5088	14.239	13.991	0.8821	26.70	63.21
10-46-28 AM	3258.04	1.0201	0.4666	0.5065	14.239	13.982	0.8882	26.70	63.20
10-46-29 AM	3255.03	1.0200	0.4664	0.5061	14.232	13.928	0.8822	26.43	63.26
10-46-30 AM	3258.04	1.0200	0.4663	0.5052	14.232	13.961	0.8821	26.68	63.50
10-46-31 AM	3257.04	1.0205	0.4663	0.5088	14.239	13.942	0.8821	26.13	63.81
10-46-32 AM	3253.07	0.9828	0.4669	0.5035	14.234	13.826	0.8839	25.44	63.80
10-46-33 AM	3255.05	1.0205	0.4675	0.5028	14.234	13.968	0.8821	26.98	63.74
10-46-34 AM	3258.02	1.0204	0.4663	0.5042	14.235	13.822	0.8822	26.46	63.89
10-46-35 AM	3256.02	0.9829	0.4663	0.5081	14.238	13.872	0.8826	26.20	63.56
10-46-36 AM	3258.03	1.0207	0.4666	0.5050	14.235	13.866	0.8824	26.34	63.21
10-46-37 AM	3256.01	0.9825	0.4669	0.5014	14.237	14.022	0.8819	26.37	64.18
10-46-38 AM	3248.05	0.9828	0.4663	0.5100	14.239	14.067	0.8826	26.21	64.16
10-46-39 AM	3253.03	0.9828	0.4666	0.5098	14.239	14.084	0.8826	26.85	64.14
10-46-40 AM	3259.02	0.9825	0.4661	0.5066	14.246	13.980	0.8818	26.46	64.27
10-46-41 AM	3255.04	0.9829	0.4661	0.5109	14.236	13.944	0.8826	26.94	64.23
10-46-42 AM	3252.02	0.9821	0.4666	0.5106	14.235	13.928	0.8821	26.53	64.40
10-46-43 AM	3253.02	0.9793	0.4663	0.5077	14.235	13.826	0.8826	26.32	64.29
10-46-44 AM	3248.04	0.9827	0.4667	0.4966	14.236	13.910	0.8819	26.45	64.32
10-46-45 AM	3245.03	0.9828	0.4670	0.4921	14.236	13.942	0.8826	26.26	64.48
10-46-46 AM	3250.02	1.0205	0.4612	0.5066	14.237	13.961	0.8821	26.49	64.62
10-46-47 AM	3248.04	0.9829	0.4613	0.5083	14.232	13.826	0.8821	26.51	64.68
10-46-48 AM	3250.02	0.9828	0.4612	0.5026	14.234	13.901	0.8820	26.21	64.43
10-46-49 AM	3251.05	0.9793	0.4663	0.5200	14.232	13.822	0.8826	26.35	64.37
10-46-50 AM	3248.03	0.9824	0.4667	0.5026	14.231	13.901	0.8822	26.13	64.33
10-46-51 AM	3257.04	0.9828	0.4670	0.4960	14.235	13.941	0.8821	26.35	64.46
10-46-52 AM	3250.02	1.0205	0.4612	0.5066	14.237	13.961	0.8821	26.49	64.62
10-46-53 AM	3248.04	0.9829	0.4613	0.5083	14.232	13.826	0.8821	26.51	64.68
10-46-54 AM	3250.02	0.9828	0.4612	0.5026	14.234	13.901	0.8820	26.21	64.43
10-46-55 AM	3251.05	0.9793	0.4663	0.5200	14.232	13.822	0.8826	26.35	64.37
10-46-56 AM	3248.03	0.9824	0.4667	0.5026	14.231	13.901	0.8822	26.13	64.33
10-46-57 AM	3257.04	0.9828	0.4670	0.4960	14.235	13.941	0.8821	26.35	64.46
10-46-58 AM	3250.02	1.0205	0.4612	0.5066	14.237	13.961	0.8821	26.49	64.62
10-46-59 AM	3248.04	0.9829	0.4613	0.5083	14.232	13.826	0.8821	26.51	64.68
10-46-60 AM	3250.02	0.9828	0.4612	0.5026	14.234	13.901	0.8820	26.21	64.43
10-46-61 AM	3251.05	0.9793	0.4663	0.5200	14.232	13.822	0.8826	26.35	64.37
10-46-62 AM	3248.03	0.9824	0.4667	0.5026	14.231	13.901	0.8822	26.13	64.33
10-46-63 AM	3257.04	0.9828	0.4670	0.4960	14.235	13.941	0.8821	26.35	64.46
10-46-64 AM	3250.02	1.0205	0.4612	0.5066	14.237	13.961	0.8821	26.49	64.62
10-46-65 AM	3248.04	0.9829	0.4613	0.5083	14.232	13.826	0.8821	26.51	64.68
10-46-66 AM	3250.02	0.9828	0.4612	0.5026	14.234	13.901	0.8820	26.21	64.43
10-46-67 AM	3251.05	0.9793	0.4663	0.5200	14.232	13.822	0.8826	26.35	64.37
10-46-68 AM	3248.03	0.9824	0.4667	0.5026	14.231	13.901	0.8822	26.13	64.33
10-46-69 AM	3257.04	0.9828	0.4670	0.4960	14.235	13.941	0.8821	26.35	64.46
10-46-70 AM	3250.02	1.0205	0.4612	0.5066	14.237	13.961	0.8821	26.49	64.62
10-46-71 AM	3248.04	0.9829	0.4613	0.5083	14.232	13.826	0.8821	26.51	64.68
10-46-72 AM	3250.02	0.9828	0.4612	0.5026	14.234	13.901	0.8820	26.21	64.43
10-46-73 AM	3251.05	0.9793	0.4663	0.5200	14.232	13.822	0.8826	26.35	64.37
10-46-74 AM	3248.03	0.9824	0.4667	0.5026	14.231	13.901	0.8822	26.13	64.33
10-46-75 AM	3257.04	0.9828	0.4670	0.4960	14.235	13.941	0.8821	26.35	64.46
10-46-76 AM	3250.02	1.0205	0.4612	0.5066	14.237	13.961	0.8821	26.49	64.62
10-46-77 AM	3248.04	0.9829	0.4613	0.5083	14.232	13.826	0.8821	26.51	64.68
10-46-78 AM	3250.02	0.9828	0.4612	0.5026	14.234	13.901	0.8820	26.21	64.43
10-46-79 AM	3251.05	0.9793	0.4663	0.5200	14.232	13.822	0.8826	26.35	64.37
10-46-80 AM	3248.03	0.9824	0.4667	0.5026	14.231	13.901	0.8822	26.13	64.33
10-46-81 AM	3257.04	0.9828	0.4670	0.4960	14.235	13.941	0.8821	26.35	64.46
10-46-82 AM	3250.02	1.0205	0.4612	0.5066	14.237	13.961	0.8821	26.49	64.62
10-46-83 AM	3248.04	0.9829	0.4613	0.5083	14.232	13.826	0.8821	26.51	64.68
10-46-84 AM	3250.02	0.9828	0.4612	0.5026	14.234	13.901	0.8820	26.21	64.43
10-46-85 AM	3251.05	0.9793	0.4663	0.5200	14.232	13.822	0.8826	26.35	64.37
10-46-86 AM	3248.03	0.9824	0.4667	0.5026	14.231	13.901	0.8822	26.13	64.33
10-46-87 AM	3257.04	0.9828	0.4670	0.4960	14.235	13.941	0.8821	26.35	64.46
10-46-88 AM	3250.02	1.0205	0.4612	0.5066	14.237	13.961	0.8821	26.49	64.62
10-46-89 AM	3248.04	0.9829	0.4613	0.5083	14.232	13.826	0.8821	26.51	64.68
10-46-90 AM	3250.02	0.9828	0.4612	0.5026	14.234	13.901	0.8820	26.21	64.43
10-46-91 AM	3251.05	0.9793	0.4663	0.5200	14.232	13.822	0.8826	26.35	64.37
10-46-92 AM	3248.03	0.9824	0.4667	0.5026	14.231	13.901	0.8822	26.13	64.33
10-46-93 AM	3257.04	0.9828	0.4670	0.4960	14.235	13.941	0.8821	26.35	64.46
10-46-94 AM	3250.02	1.0205	0.4612	0.5066	14.237	13.961	0.8821	26.49	64.62
10-46-95 AM	3248.04	0.9829	0.4613	0.5083	14.232	13.826	0.8821	26.51	64.68
10-46-96 AM	3250.02	0.9828	0.4612	0.5026	14.234	13.901	0.8820	26.21	64.43
10-46-97 AM	3251.05	0.9793	0.4663	0.5200	14.232	13.822	0.8826	26.35	64.37
10-46-98 AM	3248.03	0.9824	0.4667	0.5026	14.231	13.901	0.8822	26.13	64.33
10-46-99 AM	3257.04	0.9828	0.4670	0.4960	14.235	13.941	0.8821	26.35	64.46
10-46-100 AM	3250.02	1.0205	0.4612	0.5066	14.237	13.961	0.8821	26.49	64.62
10-46-101 AM	3248.04	0.9829	0.4613	0.5083	14.232	13.826	0.8821	26.51	64.68
10-46-102 AM	3250.02	0.9828	0.4612	0.5026	14.234	13.901	0.8820	26.21	64.43
10-46-103 AM	3251.05	0.9793	0.4663	0.5200	14.232	13.822	0.8826	26.35	64.37
10-46-104 AM	3248.03	0.9824	0.4667	0.5026	14.231	13.901	0.8822	26.13	64.33
10-46-105 AM	3257.04	0.9828	0.4670	0.4960	14.235	13.941	0.8821	26.35	64.46
10-46-106 AM	3250.02	1.0205	0.4612	0.5066	14.237	13.961	0.8821	26.49	64.62
10-46-107 AM	3248.04	0.9829	0.4613	0.5083	14.232	13.826	0.8821	26.51	64.68
10-46-108 AM	3250.02	0.9828	0.4612	0.5026	14.234	13.901	0.8820	26.21	64.43
10-46-109 AM	3251.05	0.9793	0.4663	0.5200	14.232	13.822	0.8826	26.35	64.37
10-46-110 AM	3248.03	0.9824	0.4667	0.5026	14.231	13.901	0.8822	26.13	64.33
10-46-111 AM	3257.04	0.9828	0.4670	0.4960	14.235	13.941	0.8821	26.35	64.46
10-46-112 AM	3250.02	1.0205	0.4612	0.5066	14.237	13.961	0.8821	26.49	64.62
10-46-113 AM	3248.04	0.9829	0.4613	0.5083	14.232	13.826	0.8821	26.51	64.68
10-46-114 AM	3250.02	0.9828	0.4612	0.5026	14.234	13.901	0.8820	26.21	64.43
10-46-115 AM	3251.05	0.9793	0.4663	0.5200	14.232	13.822	0.8826	26.35	64.37
10-46-116 AM	3248.03	0.9824	0.4667	0.5026	14.231	13.901	0.8822	26.13	64.33
10-46-117 AM	3257.04	0.9828	0.4670	0.4960	14.235	13.941	0		

## 95-Ram 112Bar Date

10:52:53 AM	3505.05	1.6704	0.4443	0.6410	04 342	12 615	0.0419	77.33	61.36	61.46
10:52:54 AM	3515.05	1.6705	0.4443	0.6410	04 342	14 003	0.0421	76.45	61.35	61.26
10:53:03 AM	3515.04	1.6640	0.4487	0.6207	04 349	14 049	0.0424	77.10	61.01	61.39
10:53:08 AM	3519.04	1.6668	0.4499	0.6291	04 328	14 024	0.0424	77.11	61.10	61.87
10:53:13 AM	3525.02	1.6663	0.4578	0.6266	04 328	13 920	0.0424	77.37	61.30	61.31
10:53:18 AM	3525.02	1.6663	0.4578	0.6266	04 328	13 920	0.0427	77.38	61.36	61.36
10:53:23 AM	3529.04	1.6778	0.4657	0.6267	04 328	13 876	0.0427	77.41	61.40	61.46
10:53:28 AM	3544.01	1.6704	0.4482	0.6379	04 323	13 839	0.0427	77.45	61.45	61.59
10:53:33 AM	3545.04	1.6647	0.4534	0.6362	04 319	13 843	0.0428	77.20	61.82	62.54
10:53:38 AM	3558.02	1.6643	0.4590	0.6363	04 338	13 761	0.0426	79.86	60.75	62.33
10:53:43 AM	3556.00	1.6617	0.4567	0.6205	04 324	13 881	0.0421	77.86	60.70	62.32
10:53:48 AM	3559.05	1.6666	0.4666	0.6446	04 324	14 004	0.0425	77.88	60.81	62.30
10:53:53 AM	3565.02	1.6663	0.4578	0.6368	04 328	12 729	0.0423	77.89	60.85	62.31
10:53:58 AM	3574.02	1.6668	0.4655	0.6381	04 330	13 878	0.0425	77.56	60.87	62.36
10:54:03 AM	3575.00	1.6666	0.4555	0.6371	04 319	12 862	0.0427	77.56	60.77	61.71
10:54:08 AM	3588.05	1.6664	0.4668	0.6367	04 328	12 521	0.0414	77.83	60.97	61.71
10:54:13 AM	3595.04	1.6667	0.4638	0.7488	04 405	13 612	0.0497	77.89	70.90	62.32
10:54:18 AM	3604.04	1.6668	0.4668	0.7478	04 381	13 856	0.0427	78.13	70.11	72.22
10:54:23 AM	3606.02	1.6665	0.4572	0.7302	04 318	12 888	0.0421	79.21	70.05	71.97
10:54:28 AM	3608.01	1.6665	0.4667	0.6368	04 335	14 056	0.0422	78.84	60.34	62.14
10:54:33 AM	3609.05	1.6704	0.4488	0.6363	04 323	2 837	0.0421	78.41	72.05	62.12
10:54:38 AM	3614.00	1.6416	0.4418	0.6269	04 289	4 407	0.0424	77.44	61.72	60.68
10:54:43 AM	3616.02	1.6361	0.4712	0.6364	04 328	4 788	0.0421	74.39	64.48	61.73
10:54:48 AM	3625.02	1.6480	0.4666	0.6266	04 328	6 206	0.0421	68.77	60.47	70.34
10:54:53 AM	3625.05	1.6705	0.4462	1.3481	04 298	12 762	0.0421	66.95	65.85	65.57
10:54:58 AM	3628.01	1.6480	0.4623	1.2688	04 323	13 709	0.0443	66.33	65.87	72.36
10:55:03 AM	3630.00	1.6704	0.4489	0.6368	04 328	2 568	0.0427	67.69	60.72	62.30
10:55:08 AM	3645.01	1.7142	0.4289	0.5888	04 242	4 803	0.0017	70.80	68.28	78.10
10:55:13 AM	3649.09	1.6663	0.4567	1.3832	04 287	12 288	0.0206	74.65	69.74	69.13
10:55:18 AM	3655.05	2.6178	0.6714	1.5903	04 406	1 263	0.0057	76.80	62.41	81.60
10:55:23 AM	3654.08	2.4109	0.4617	3.9805	04 211	10.723	0.0426	76.27	64.38	70.20
10:55:28 AM	3659.04	2.6364	0.4297	2.3843	04 267	12 418	0.0204	68.34	60.78	66.46
10:55:33 AM	3665.05	1.6665	0.4442	1.1239	04 285	13 556	0.0427	62.23	60.65	61.02
10:55:38 AM	3670.03	1.6111	0.4282	1.0327	04 298	11.802	0.0424	64.85	60.78	66.14
10:55:43 AM	3676.01	1.6176	0.4482	1.1116	04 282	12.386	0.0206	65.56	63.63	66.26
10:55:48 AM	3680.04	1.6195	0.4328	0.6812	04 325	12.459	0.0224	65.15	60.56	62.02
10:55:53 AM	3685.02	0.9871	0.5236	0.6267	04 303	11.726	0.0222	66.47	65.67	65.47
10:56:08 AM	3690.01	1.6196	0.4214	0.6569	04 288	11.048	0.0207	66.22	60.56	64.88
10:56:09 AM	3695.04	0.9869	0.5269	0.6221	04 298	10.807	0.0221	65.11	62.47	64.43
10:56:08 PM	3700.03	1.0487	0.4418	0.6286	04 314	11.763	0.0204	65.95	66.68	64.88
10:56:13 AM	3705.01	0.9862	0.4413	0.5654	04 218	11.851	0.0204	66.88	62.43	64.57
10:56:18 AM	3710.00	0.9813	0.4206	0.6765	04 288	11.502	0.0220	65.61	60.48	61.70
10:56:23 AM	3715.02	1.1908	0.3287	0.7078	04 328	12.886	0.0208	66.37	61.48	64.74
10:56:28 AM	3720.01	1.2865	0.4685	0.6368	04 280	12.570	0.0221	65.19	62.47	64.62
10:56:33 AM	3725.04	1.2904	0.4375	0.7817	04 214	13.242	0.0208	64.96	65.50	64.72
10:56:38 AM	3730.02	1.2222	0.4216	0.5947	04 293	12.861	0.0202	65.20	64.41	64.93
10:56:43 AM	3735.00	1.0303	0.4098	0.5653	04 323	13.647	0.0204	65.05	68.39	64.93
10:56:48 AM	3740.03	1.1964	0.4183	0.6542	04 322	13.453	0.0224	65.40	66.48	65.32
10:56:53 AM	3745.01	1.3139	0.4203	0.6438	04 401	13.146	0.0227	65.15	66.56	64.99
10:56:58 AM	3750.00	1.0868	0.4496	1.1288	04 228	12.889	0.0203	65.46	62.14	63.71
10:57:03 AM	3755.00	0.9864	0.3280	0.5865	04 330	12.445	0.0221	65.11	64.62	63.37
10:57:08 AM	3760.01	1.1504	0.4238	0.4625	04 322	12.852	0.0208	65.14	66.80	63.26
10:57:13 AM	3765.04	0.9863	0.4203	0.4655	04 360	12.847	0.0229	65.10	66.76	61.72
10:57:18 AM	3770.03	0.9865	0.4203	0.4280	04 326	12.849	0.0224	65.11	66.80	63.31

## 864ms to 1120ms Data

10:57:23 AM	27/3/01	10526	04143	014276	14 335	12 795	00027	05 43	09 76	07 81	
10:57:28 AM	27/3/01	10524	04222	0 6722	14 379	13 380	00026	05 81	09 74	07 45	
10:57:33 AM	27/3/01	10549	0 6765	0 7710	14 361	13 341	00025	04 75	09 81	07 01	
10:57:38 AM	27/3/01	10549	0 6765	0 7722	14 413	12 240	00018	04 63	09 84	07 06	
10:57:43 AM	27/3/01	10575	0 6715	0 8678	14 325	13 708	00022	04 49	10 16	07 33	
10:57:48 AM	28/3/01	10524	0 6765	0 8689	14 338	13 941	00022	04 37	10 02	07 01	
10:57:53 AM	28/3/01	10524	0 6765	0 8698	14 224	13 470	00021	04 03	10 00	07 18	
10:57:58 AM	28/3/01	10524	0 6765	0 8707	14 204	13 403	00022	03 70	10 25	07 08	
10:58:03 AM	28/3/01	0 6765	0 8716	0 8685	14 225	12 866	00021	03 52	10 34	01 08	
10:58:08 AM	28/3/01	0 6765	0 8725	0 8688	14 306	12 908	00021	02 82	10 24	01 07	
10:58:13 AM	28/3/01	0 6765	0 8734	0 8691	14 328	12 986	00021	02 53	10 24	01 25	
10:58:18 AM	28/3/01	0 6765	0 8743	0 8692	14 369	12 954	00020	02 26	10 12	00 06	
10:58:23 AM	28/3/01	0 6765	0 8752	1 1005	14 298	11 282	00020	02 33	10 13	01 04	
10:58:28 AM	28/3/01	0 6765	0 8761	1 7021	14 496	12 915	00025	02 78	10 23	02 35	
10:58:33 AM	28/3/01	0 6765	0 8770	2 0032	14 204	10 987	00023	02 85	10 21	03 01	
10:58:38 AM	28/3/01	0 6765	0 8779	2 0041	14 305	13 025	00021	04 53	10 31	03 25	
10:58:43 AM	28/3/01	0 6765	0 8788	2 0050	14 383	13 263	00020	01 41	10 21	02 10	
10:58:48 AM	28/3/01	0 6765	0 8797	2 0052	14 341	12 976	00020	01 35	10 13	02 44	
10:58:53 AM	28/3/01	0 6765	0 8801	2 0053	14 322	13 532	00021	01 48	10 12	01 07	
10:58:58 AM	28/3/01	0 6765	0 8804	2 0053	14 378	13 249	00020	01 38	10 43	01 18	
10:59:03 AM	28/3/01	0 6765	0 8813	2 0054	14 326	13 252	00020	01 39	10 16	01 08	
10:59:08 AM	28/3/01	0 6765	0 8822	2 0056	14 337	13 463	00019	03 71	10 50	01 35	
10:59:13 AM	28/3/01	0 6765	0 8831	2 0056	14 316	11 886	00016	00 35	10 18	01 26	
10:59:18 AM	28/3/01	0 6765	0 8840	2 0056	14 341	12 325	00015	02 42	10 54	10 03	
10:59:23 AM	28/3/01	0 6765	0 8849	2 0057	14 367	12 413	00014	02 10	10 53	10 01	
10:59:28 AM	28/3/01	0 6765	0 8858	2 0058	14 346	12 899	00016	01 32	10 44	10 05	
10:59:33 AM	28/3/01	0 6765	0 8867	2 0058	14 349	12 933	00017	02 39	10 02	10 57	
10:59:38 AM	28/3/01	0 6765	0 8876	2 0058	14 365	13 267	00019	00 46	10 48	10 58	
10:59:43 AM	28/3/01	0 6765	0 8885	2 0058	14 335	12 783	00017	02 28	10 62	10 08	
10:59:48 AM	28/3/01	0 6765	0 8894	2 0058	14 346	12 261	00017	10 35	10 43	10 47	
10:59:53 AM	28/3/01	0 6765	0 8903	2 0058	14 373	11 785	00016	10 52	10 42	10 08	
10:59:58 AM	28/3/01	0 6765	0 8912	2 0058	14 308	12 358	00018	10 31	10 46	10 25	
11:00:03 AM	28/3/01	0 6765	0 8921	2 0058	14 325	12 949	00014	10 35	10 44	10 05	
11:00:08 AM	28/3/01	0 6765	0 8930	2 0058	14 366	13 648	00016	10 28	10 61	10 08	
11:00:13 AM	28/3/01	0 6765	0 8939	2 0051	0 5803	14 346	12 881	00024	10 74	10 63	11 05
11:00:18 AM	28/3/01	0 6765	0 8948	2 0051	0 5804	14 322	13 660	00021	10 46	10 46	10 43
11:00:23 AM	28/3/01	0 6765	0 8957	2 0051	0 5804	14 341	11 854	00016	10 29	10 71	10 28
11:00:28 AM	28/3/01	0 6765	0 8966	2 0051	0 5804	14 288	12 711	00021	10 28	10 71	10 07
11:00:33 AM	28/3/01	0 6765	0 8975	2 0051	0 5804	14 385	11 079	00021	10 35	10 74	10 59
11:00:38 AM	28/3/01	0 6765	0 8984	2 0051	0 5805	14 318	12 371	00019	10 20	10 74	10 77
11:00:43 AM	28/3/01	0 6765	0 8993	2 0052	0 5112	14 305	13 260	00021	10 11	10 73	10 38
11:00:48 AM	28/3/01	0 6765	0 9002	2 0052	0 5112	14 307	12 968	00018	10 09	10 97	10 52
11:00:53 AM	28/3/01	0 6765	0 9011	2 0052	0 5112	14 319	13 845	00024	10 10	10 83	10 63
11:00:58 AM	28/3/01	0 6765	0 9020	2 0052	0 5112	14 327	12 365	00023	10 22	10 94	11 97
11:01:03 AM	28/3/01	0 6765	0 9029	2 0053	0 5154	14 358	12 755	00022	10 02	10 88	12 47
11:01:08 AM	28/3/01	0 6765	0 9038	2 0053	0 5173	14 288	14 711	00023	10 12	10 98	10 21
11:01:13 AM	28/3/01	0 6765	0 9047	2 0053	0 5174	14 305	13 477	00021	10 26	10 83	10 77
11:01:18 AM	28/3/01	0 6765	0 9056	2 0053	0 5174	14 326	13 677	00023	10 10	10 95	10 38
11:01:23 AM	28/3/01	0 6765	0 9065	2 0053	0 5174	14 327	13 860	00024	10 05	10 98	10 48
11:01:28 AM	28/3/01	0 6765	0 9074	2 0053	0 5175	14 301	13 836	00023	10 15	10 93	10 52
11:01:33 AM	28/3/01	0 6765	0 9083	2 0053	0 5175	14 323	13 477	00021	10 26	10 81	11 08
11:01:38 AM	28/3/01	0 6765	0 9092	2 0053	0 5175	14 303	13 846	00022	10 03	10 98	11 97
11:01:43 AM	28/3/01	0 6765	0 9101	2 0053	0 5175	14 326	13 961	00021	10 00	10 79	11 94
11:01:48 AM	28/3/01	0 6765	0 9110	2 0053	0 5175	14 331	13 868	00021	10 05	10 79	11 79

## HS-Deep to 1400mm Depth

11-08-03 AM	4045-03	0-0001	0-4477	0-0216	14-300	13-708	0-0020	77-10	71-12	80-79
11-08-04 AM	4046-04	0-0001	0-4484	0-0217	14-303	13-709	0-0020	77-11	71-14	80-80
11-08-05 AM	4047-05	0-0001	0-4491	0-0218	14-306	13-710	0-0020	77-10	71-12	80-80
11-08-06 AM	4048-06	0-0001	0-4498	0-0219	14-309	13-711	0-0020	77-09	71-11	80-80
11-08-07 AM	4049-07	0-0001	0-4505	0-0220	14-312	13-712	0-0020	76-10	71-13	79-81
11-08-08 AM	4050-08	0-0001	0-4512	0-0221	14-315	13-713	0-0020	76-11	71-14	79-81
11-08-09 AM	4051-09	0-0001	0-4519	0-0222	14-318	13-714	0-0020	76-12	71-15	79-82
11-08-10 AM	4052-09	0-0001	0-4526	0-0223	14-321	13-715	0-0020	76-13	71-16	79-82
11-08-11 AM	4053-09	0-0001	0-4533	0-0224	14-324	13-716	0-0020	76-14	71-17	79-82
11-08-12 AM	4054-09	0-0001	0-4540	0-0225	14-327	13-717	0-0020	76-15	71-18	79-82
11-08-13 AM	4055-09	0-0001	0-4547	0-0226	14-330	13-718	0-0020	76-16	71-19	79-82
11-08-14 AM	4056-09	0-0001	0-4554	0-0227	14-333	13-719	0-0020	76-17	71-20	79-82
11-08-15 AM	4057-09	0-0001	0-4561	0-0228	14-336	13-720	0-0020	76-18	71-21	79-82
11-08-16 AM	4058-09	0-0001	0-4568	0-0229	14-339	13-721	0-0020	76-19	71-22	79-82
11-08-17 AM	4059-09	0-0001	0-4575	0-0230	14-342	13-722	0-0020	76-20	71-23	79-82
11-08-18 AM	4060-09	0-0001	0-4582	0-0231	14-345	13-723	0-0020	76-21	71-24	79-82
11-08-19 AM	4061-09	0-0001	0-4589	0-0232	14-348	13-724	0-0020	76-22	71-25	79-82
11-08-20 AM	4062-09	0-0001	0-4596	0-0233	14-351	13-725	0-0020	76-23	71-26	79-82
11-08-21 AM	4063-09	0-0001	0-4603	0-0234	14-354	13-726	0-0020	76-24	71-27	79-82
11-08-22 AM	4064-09	0-0001	0-4610	0-0235	14-357	13-727	0-0020	76-25	71-28	79-82
11-08-23 AM	4065-09	0-0001	0-4617	0-0236	14-360	13-728	0-0020	76-26	71-29	79-82
11-08-24 AM	4066-09	0-0001	0-4624	0-0237	14-363	13-729	0-0020	76-27	71-30	79-82
11-08-25 AM	4067-09	0-0001	0-4631	0-0238	14-366	13-730	0-0020	76-28	71-31	79-82
11-08-26 AM	4068-09	0-0001	0-4638	0-0239	14-369	13-731	0-0020	76-29	71-32	79-82
11-08-27 AM	4069-09	0-0001	0-4645	0-0240	14-372	13-732	0-0020	76-30	71-33	79-82
11-08-28 AM	4070-09	0-0001	0-4652	0-0241	14-375	13-733	0-0020	76-31	71-34	79-82
11-08-29 AM	4071-09	0-0001	0-4659	0-0242	14-378	13-734	0-0020	76-32	71-35	79-82
11-08-30 AM	4072-09	0-0001	0-4666	0-0243	14-381	13-735	0-0020	76-33	71-36	79-82
11-08-31 AM	4073-09	0-0001	0-4673	0-0244	14-384	13-736	0-0020	76-34	71-37	79-82
11-09-01 AM	4074-09	0-0001	0-4680	0-0245	14-387	13-737	0-0020	76-35	71-38	79-82
11-09-02 AM	4075-09	0-0001	0-4687	0-0246	14-390	13-738	0-0020	76-36	71-39	79-82
11-09-03 AM	4076-09	0-0001	0-4694	0-0247	14-393	13-739	0-0020	76-37	71-40	79-82
11-09-04 AM	4077-09	0-0001	0-4701	0-0248	14-396	13-740	0-0020	76-38	71-41	79-82
11-09-05 AM	4078-09	0-0001	0-4708	0-0249	14-399	13-741	0-0020	76-39	71-42	79-82
11-09-06 AM	4079-09	0-0001	0-4715	0-0250	14-402	13-742	0-0020	76-40	71-43	79-82
11-09-07 AM	4080-09	0-0001	0-4722	0-0251	14-405	13-743	0-0020	76-41	71-44	79-82
11-09-08 AM	4081-09	0-0001	0-4729	0-0252	14-408	13-744	0-0020	76-42	71-45	79-82
11-09-09 AM	4082-09	0-0001	0-4736	0-0253	14-411	13-745	0-0020	76-43	71-46	79-82
11-09-10 AM	4083-09	0-0001	0-4743	0-0254	14-414	13-746	0-0020	76-44	71-47	79-82
11-09-11 AM	4084-09	0-0001	0-4750	0-0255	14-417	13-747	0-0020	76-45	71-48	79-82
11-09-12 AM	4085-09	0-0001	0-4757	0-0256	14-420	13-748	0-0020	76-46	71-49	79-82
11-09-13 AM	4086-09	0-0001	0-4764	0-0257	14-423	13-749	0-0020	76-47	71-50	79-82
11-09-14 AM	4087-09	0-0001	0-4771	0-0258	14-426	13-750	0-0020	76-48	71-51	79-82
11-09-15 AM	4088-09	0-0001	0-4778	0-0259	14-429	13-751	0-0020	76-49	71-52	79-82
11-09-16 AM	4089-09	0-0001	0-4785	0-0260	14-432	13-752	0-0020	76-50	71-53	79-82
11-09-17 AM	4090-09	0-0001	0-4792	0-0261	14-435	13-753	0-0020	76-51	71-54	79-82
11-09-18 AM	4091-09	0-0001	0-4799	0-0262	14-438	13-754	0-0020	76-52	71-55	79-82
11-09-19 AM	4092-09	0-0001	0-4806	0-0263	14-441	13-755	0-0020	76-53	71-56	79-82
11-09-20 AM	4093-09	0-0001	0-4813	0-0264	14-444	13-756	0-0020	76-54	71-57	79-82
11-09-21 AM	4094-09	0-0001	0-4820	0-0265	14-447	13-757	0-0020	76-55	71-58	79-82
11-09-22 AM	4095-09	0-0001	0-4827	0-0266	14-450	13-758	0-0020	76-56	71-59	79-82
11-09-23 AM	4096-09	0-0001	0-4834	0-0267	14-453	13-759	0-0020	76-57	71-60	79-82
11-09-24 AM	4097-09	0-0001	0-4841	0-0268	14-456	13-760	0-0020	76-58	71-61	79-82
11-09-25 AM	4098-09	0-0001	0-4848	0-0269	14-459	13-761	0-0020	76-59	71-62	79-82
11-09-26 AM	4099-09	0-0001	0-4855	0-0270	14-462	13-762	0-0020	76-60	71-63	79-82
11-09-27 AM	4100-09	0-0001	0-4862	0-0271	14-465	13-763	0-0020	76-61	71-64	79-82
11-09-28 AM	4101-09	0-0001	0-4869	0-0272	14-468	13-764	0-0020	76-62	71-65	79-82
11-09-29 AM	4102-09	0-0001	0-4876	0-0273	14-471	13-765	0-0020	76-63	71-66	79-82
11-09-30 AM	4103-09	0-0001	0-4883	0-0274	14-474	13-766	0-0020	76-64	71-67	79-82
11-09-31 AM	4104-09	0-0001	0-4890	0-0275	14-477	13-767	0-0020	76-65	71-68	79-82
11-10-01 AM	4105-09	0-0001	0-4897	0-0276	14-480	13-768	0-0020	76-66	71-69	79-82
11-10-02 AM	4106-09	0-0001	0-4904	0-0277	14-483	13-769	0-0020	76-67	71-70	79-82
11-10-03 AM	4107-09	0-0001	0-4911	0-0278	14-486	13-770	0-0020	76-68	71-71	79-82
11-10-04 AM	4108-09	0-0001	0-4918	0-0279	14-489	13-771	0-0020	76-69	71-72	79-82
11-10-05 AM	4109-09	0-0001	0-4925	0-0280	14-492	13-772	0-0020	76-70	71-73	79-82
11-10-06 AM	4110-09	0-0001	0-4932	0-0281	14-495	13-773	0-0020	76-71	71-74	79-82
11-10-07 AM	4111-09	0-0001	0-4939	0-0282	14-498	13-774	0-0020	76-72	71-75	79-82
11-10-08 AM	4112-09	0-0001	0-4946	0-0283	14-501	13-775	0-0020	76-73	71-76	79-82
11-10-09 AM	4113-09	0-0001	0-4953	0-0284	14-504	13-776	0-0020	76-74	71-77	79-82
11-10-10 AM	4114-09	0-0001	0-4960	0-0285	14-507	13-777	0-0020	76-75	71-78	79-82
11-10-11 AM	4115-09	0-0001	0-4967	0-0286	14-510	13-778	0-0020	76-76	71-79	79-82
11-10-12 AM	4116-09	0-0001	0-4974	0-0287	14-513	13-779	0-0020	76-77	71-80	79-82
11-10-13 AM	4117-09	0-0001	0-4981	0-0288	14-516	13-780	0-0020	76-78	71-81	79-82
11-10-14 AM	4118-09	0-0001	0-4988	0-0289	14-519	13-781	0-0020	76-79	71-82	79-82
11-10-15 AM	4119-09	0-0001	0-4995	0-0290	14-522	13-782	0-0020	76-80	71-83	79-82
11-10-16 AM	4120-09	0-0001	0-5002	0-0291	14-525	13-783	0-0020	76-81	71-84	79-82
11-10-17 AM	4121-09	0-0001	0-5009	0-0292	14-528	13-784	0-0020	76-82	71-85	79-82
11-10-18 AM	4122-09	0-0001	0-5016	0-0293	14-531	13-785	0-0020	76-83	71-86	79-82
11-10-19 AM	4123-09	0-0001	0-5023	0-0294	14-534	13-786	0-0020	76-84	71-87	79-82
11-10-20 AM	4124-09	0-0001	0-5030	0-0295	14-537	13-787	0-0020	76-85	71-88	79-82
11-10-21 AM	4125-09	0-0001	0-5037	0-0296	14-540	13-788	0-0020	76-86	71-89	79-82
11-10-22 AM	4126-09	0-0001	0-5044	0-0297	14-543	13-789	0-0020	76-87	71-90	79-82
11-10-23 AM	4127-09	0-0001	0-5051	0-0298	14-546	13-790	0-0020	76-88	71-91	79-82
11-10-24 AM	4128-09	0-0001	0-5058	0-0299	14-549	13-791	0-0020	76-89	71-92	79-82
11-10-25 AM	4129-09	0-0001	0-5065	0-0300	14-552	13-792	0-0020	76-90	71-93	79-82
11-10-26 AM	4130-09	0-0001	0-5072	0-0301	14-555	13-793	0-0020	76-91	71-94	79-82

## 964888 to 1120300 Data

11-06-23 AM	4315.00	0.820	0.258	0.5676	14.327	7.269	0.0017	76.03	71.10	72.91
11-06-23 AM	4320.04	0.820	0.258	0.5677	14.355	6.940	0.0015	73.85	71.93	72.36
11-06-23 AM	4326.02	0.8204	0.217	0.5680	14.359	7.247	0.0016	74.56	71.76	72.26
11-06-23 AM	4330.01	0.8205	0.1650	0.5683	14.352	6.772	0.0019	75.01	71.74	71.92
11-06-23 AM	4336.04	0.8204	0.3627	0.5685	14.384	7.137	0.0016	76.82	71.36	71.92
11-06-23 AM	4338.07	0.7993	0.2495	0.5681	14.323	6.667	0.0020	76.03	71.39	71.24
11-06-23 AM	4345.08	0.7982	0.2405	0.5683	14.392	7.395	0.0019	76.83	71.38	71.48
11-06-23 AM	4350.03	1.0007	0.2890	0.5680	14.352	6.176	0.0024	77.61	70.77	72.36
11-07-03 AM	4356.02	0.8884	0.2298	0.5679	14.342	6.785	0.0020	76.34	70.40	73.45
11-07-09 AM	4359.08	1.0348	0.2495	0.5680	14.346	6.123	0.0021	76.23	70.71	74.16
11-07-13 AM	4365.03	0.8202	0.2888	0.5686	14.384	7.228	0.0021	80.48	70.18	74.28
11-07-18 AM	4370.02	0.7793	0.2302	0.5688	14.336	6.826	0.0019	86.93	89.39	74.98
11-07-23 AM	4375.09	0.8200	0.2216	0.5684	14.321	7.394	0.0021	84.82	89.80	74.82
11-07-28 AM	4380.03	0.7620	0.2577	0.5680	14.323	7.723	0.0020	82.38	89.89	75.10
11-08-03 AM	4385.02	0.8200	0.2173	0.5681	14.368	6.152	0.0020	89.48	89.78	76.78
11-07-09 AM	4389.03	0.8200	0.2886	0.5682	14.346	7.184	0.0020	81.13	88.51	76.09
11-07-13 AM	4395.03	0.8200	0.2876	0.5688	14.388	6.824	0.0019	83.98	89.44	76.09
11-07-18 AM	4400.01	0.7888	0.1981	0.5688	14.378	6.820	0.0018	84.88	89.38	76.07
11-07-23 AM	4405.04	0.7298	0.2888	0.5686	14.321	8.567	0.0016	84.54	89.31	76.02
11-07-28 AM	4410.02	0.8202	0.2200	0.5680	14.321	6.884	0.0017	86.74	89.32	75.78
11-08-03 AM	4415.02	0.7738	0.2693	0.5681	14.351	6.387	0.0018	84.81	89.26	76.53
11-08-09 AM	4418.03	0.8201	0.2887	0.5679	14.318	7.081	0.0020	86.85	89.21	75.58
11-08-13 AM	4425.01	0.7757	0.2288	0.5678	14.347	6.864	0.0019	84.78	89.98	76.08
11-08-18 AM	4430.04	0.7853	0.2592	0.5674	14.301	6.820	0.0020	85.13	89.85	76.32
11-08-23 AM	4435.02	0.7288	0.2846	0.5708	14.315	6.937	0.0019	85.57	89.77	77.06
11-08-28 AM	4440.02	0.7249	0.2705	0.5682	14.323	6.909	0.0017	86.78	89.54	76.72
11-08-30 AM	4445.03	0.8200	0.2214	0.5691	14.402	6.887	0.0020	86.74	89.35	76.25
11-08-35 AM	4450.01	0.7738	0.2888	0.5705	14.388	6.825	0.0020	85.78	89.43	76.20
11-08-40 AM	4455.01	0.8200	0.2877	0.5704	14.347	7.066	0.0019	85.74	89.63	76.41
11-08-45 AM	4460.02	0.7613	0.2405	0.5692	14.453	6.975	0.0021	86.34	89.60	76.92
11-08-50 AM	4465.03	0.8200	0.2891	0.5687	14.404	6.128	0.0020	86.14	89.39	77.12
11-08-55 AM	4470.02	0.8202	0.2287	0.5692	14.441	6.766	0.0020	86.48	89.24	77.78
11-09-01 AM	4475.01	0.8207	0.2247	0.5675	14.451	6.102	0.0020	86.10	89.21	77.92
11-09-06 AM	4480.01	0.8213	0.2857	0.5683	14.361	9.245	0.0021	86.71	89.38	77.57
11-09-10 AM	4485.03	0.8201	0.2261	0.5688	14.438	6.763	0.0020	86.38	89.11	78.11
11-09-15 AM	4490.01	0.8201	0.2216	0.5686	14.426	7.465	0.0019	87.38	89.91	79.08
11-09-20 AM	4495.00	0.8223	0.2264	0.5688	14.442	7.160	0.0020	87.01	89.38	79.87
11-09-25 AM	4500.02	0.7138	0.2263	0.5688	14.468	6.094	0.0015	86.18	87.77	79.98
11-09-30 AM	4505.02	0.8201	0.2176	0.5708	14.442	5.263	0.0020	88.37	89.85	80.07
11-09-35 AM	4510.05	0.8200	0.2167	0.5677	14.471	6.467	0.0014	86.63	87.55	80.22
11-09-40 AM	4515.03	0.8200	0.2397	0.5692	14.434	6.203	0.0024	86.88	87.45	80.43
11-09-45 AM	4520.01	0.8202	0.2382	0.5678	14.422	5.882	0.0020	86.17	87.39	80.63
11-09-50 AM	4525.04	0.8217	0.2281	0.5682	14.458	6.068	0.0027	86.58	87.33	81.30
11-09-55 AM	4530.02	0.8222	0.1965	0.5712	14.432	5.380	0.0023	86.87	87.18	81.27
11-10-01 AM	4535.05	0.8201	0.2217	0.5698	14.454	5.912	0.0022	86.52	87.03	81.25
11-10-06 AM	4540.03	0.8205	0.2220	0.5675	14.412	6.467	0.0027	86.48	86.87	81.87
11-10-11 AM	4545.01	1.2862	0.2223	0.5712	14.458	6.641	0.0020	91.75	86.54	82.80
11-10-16 AM	4550.04	1.1311	0.2407	0.5613	14.413	7.331	0.0017	94.68	86.38	83.19
11-10-21 AM	4555.02	1.0556	0.2083	1.0561	14.376	8.174	0.0013	96.52	86.14	84.05
11-10-26 AM	4560.01	1.0403	0.4263	1.0398	14.346	12.179	0.0012	93.53	86.93	87.46
11-10-31 AM	4565.07	1.0112	0.4117	1.0474	14.400	12.012	0.0013	94.48	86.49	88.78
11-10-36 AM	4570.09	2.0690	0.4684	1.0495	14.386	12.004	0.0004	96.20	85.76	89.84
11-10-41 AM	4575.02	2.2667	0.4493	1.0648	14.368	12.733	0.0006	96.14	86.75	87.37
11-10-46 AM	4580.01	1.5883	0.4629	1.1677	14.361	15.114	0.0076	96.62	86.70	87.16

## 95-0000 to 112000 Data

11-10-02 AM	0200-04	1-0100	0-0100	1-2000	14-367	13-056	0-0004	00-44	00-00	00-56
11-10-56 AM	0200-07	1-0000	0-0000	1-2000	14-361	13-051	0-0005	00-47	00-00	00-55
11-11-03 AM	0200-09	1-0000	0-0005	1-2000	14-368	13-058	0-0005	00-48	00-00	00-56
11-11-09 AM	0200-04	1-0001	0-0003	1-2000	14-352	13-048	0-0005	00-44	00-00	00-55
11-11-15 AM	0200-02	1-0000	0-0002	1-2000	14-361	14-001	0-0005	00-47	00-25	01-00
11-11-16 AM	0200-00	1-0001	0-0001	1-2000	14-367	11-000	0-0003	00-48	00-12	01-07
11-11-23 AM	0200-02	1-0000	0-0001	1-2000	14-362	14-380	0-0007	00-48	00-15	00-56
11-11-25 AM	0200-02	1-0000	0-0001	1-2000	14-362	14-477	0-0008	00-48	00-17	00-51
11-11-26 AM	0200-02	1-0000	0-0001	1-2000	14-362	12-213	0-0001	00-46	00-23	00-50
11-11-32 AM	0200-05	1-0000	0-0005	1-2000	14-364	13-113	0-0000	00-45	00-20	01-00
11-11-35 AM	0200-03	1-0000	0-0005	1-2000	14-361	14-496	0-0000	00-44	00-18	01-08
11-11-40 AM	0200-00	1-0000	0-0002	1-2000	14-367	12-808	0-0007	00-48	00-10	00-50
11-11-46 AM	0200-02	1-0000	0-0002	1-2000	14-368	13-385	0-0003	00-48	00-26	01-21
11-11-55 AM	0200-02	1-0000	0-0002	1-2000	14-356	13-556	0-0005	00-48	00-23	01-26
11-11-58 AM	0200-01	1-0000	0-0002	1-2000	14-356	11-136	0-0005	00-48	00-23	01-26
11-12-01 AM	0200-01	1-0000	0-0002	1-2000	14-367	14-233	0-0000	00-48	00-23	01-26
11-12-05 AM	0200-04	1-0007	0-0007	0-0000	14-363	13-383	0-0005	00-45	00-20	01-17
11-12-06 AM	0200-02	1-0000	0-0005	0-0000	14-361	14-416	0-0005	00-46	00-26	01-26
11-12-13 AM	0200-00	1-0000	0-0007	0-0000	14-368	14-413	0-0000	00-46	00-12	01-47
11-12-16 AM	0200-03	1-0000	0-0008	0-0000	14-366	14-482	0-0005	00-48	00-07	00-56
11-12-23 AM	0200-01	1-0003	0-0004	0-0000	14-354	14-573	0-0006	00-48	00-03	00-50
11-12-26 AM	0200-01	1-0010	0-0007	0-0000	14-411	13-754	0-0002	00-48	00-07	00-51
11-12-29 AM	0200-02	1-0000	0-0000	0-0000	14-365	13-781	0-0000	00-46	00-26	00-50
11-12-36 AM	0200-02	1-0000	0-0000	0-0000	14-410	12-888	0-0000	00-41	00-30	00-50
11-12-45 AM	0200-02	1-0000	0-0000	0-0000	14-365	13-757	0-0005	00-46	00-26	01-04
11-12-46 AM	0200-02	1-0000	0-0000	0-0000	14-367	13-378	0-0000	00-47	00-12	00-47
11-12-53 AM	0200-01	1-0000	0-0000	0-0000	14-368	13-605	0-0000	00-48	00-07	00-56
11-12-56 AM	0200-01	1-0000	0-0000	0-0000	14-361	13-573	0-0006	00-48	00-03	00-50
11-13-02 AM	0200-02	1-0000	0-0000	0-0000	14-411	13-884	0-0000	00-41	00-12	00-43
11-13-05 AM	0200-01	1-0000	0-0000	0-0000	14-368	13-704	0-0000	00-48	00-22	00-50
11-13-09 AM	0200-01	1-0000	0-0000	0-0000	14-413	13-770	0-0001	00-46	00-38	00-54
11-13-10 AM	0200-01	1-0015	0-0005	0-0000	14-446	13-709	0-0000	00-42	00-34	00-52
11-13-13 AM	0200-00	1-0014	0-0008	0-0000	14-367	13-493	0-0000	00-38	00-26	00-55
11-13-16 AM	0200-04	1-0011	0-0005	0-0000	14-414	13-555	0-0000	00-46	00-32	00-48
11-13-22 AM	0200-04	1-0000	0-0003	0-0000	14-415	13-706	0-0000	00-37	00-26	00-50
11-13-25 AM	0200-02	1-0000	0-0002	0-0000	14-419	13-271	0-0000	00-48	00-14	00-54
11-13-29 AM	0200-05	1-0000	0-0007	0-0000	14-413	13-770	0-0001	00-46	00-38	00-54
11-13-36 AM	0200-05	1-0000	0-0000	0-0000	14-446	13-709	0-0000	00-42	00-34	00-52
11-13-43 AM	0200-00	1-0000	0-0000	0-0000	14-367	13-493	0-0000	00-38	00-26	00-52
11-13-48 AM	0200-02	1-0000	0-0000	0-0000	14-415	13-577	0-0000	00-38	00-26	00-50
11-13-53 AM	0200-01	1-0000	0-0000	0-0000	14-417	13-571	0-0005	00-42	00-37	00-53
11-13-56 AM	0200-01	1-0005	0-0010	0-0000	14-424	13-603	0-0000	00-46	00-35	00-57
11-14-03 AM	0200-00	1-0004	0-0000	0-0000	14-369	13-615	0-0001	00-47	00-32	00-57
11-14-06 AM	0200-03	1-0004	0-0005	0-0000	14-374	13-763	0-0000	00-46	00-34	00-56
11-14-13 AM	0200-00	1-0000	0-0003	0-0000	14-418	13-703	0-0000	00-48	00-38	00-51
11-14-16 AM	0200-04	1-0000	0-0007	0-0000	14-426	13-765	0-0005	00-47	00-37	00-50
11-14-23 AM	0200-02	1-0000	0-0004	0-0000	14-422	13-607	0-0007	00-48	00-33	00-42
11-14-26 AM	0200-04	1-0000	0-0000	0-0000	14-416	13-707	0-0001	00-46	00-30	00-53
11-14-30 AM	0200-01	1-0000	0-0000	0-0000	14-427	13-766	0-0005	00-48	00-30	00-50
11-14-36 AM	0200-02	1-0000	0-0000	0-0000	14-361	13-488	0-0005	00-49	00-37	01-00
11-14-43 AM	0200-02	1-0000	0-0000	0-0000	14-444	13-723	0-0000	00-48	00-37	00-52
11-14-46 AM	0200-03	1-0000	0-0000	0-0000	14-444	13-476	0-0000	00-48	00-37	00-52
11-14-53 AM	0200-02	1-0000	0-0000	0-0000	14-442	13-724	0-0015	00-48	00-33	00-51
11-14-58 AM	0200-04	1-0000	0-0004	0-0000	14-448	13-780	0-0007	00-48	00-36	00-51
11-15-03 AM	0200-02	1-0000	0-0004	0-0000	14-437	13-720	0-0007	00-48	00-39	00-50
11-15-08 AM	0200-03	1-0000	0-0007	0-0000	14-432	13-720	0-0007	00-48	00-39	00-50

W44-1120m004

~~Information by Transaction Date~~

11 10 53 AM	5125.00	0 4529	0 4526	5 6544	14 477	13 480	0 0004	51 06	72 44	50 81
11 10 58 AM	5130.00	0 4528	0 4526	5 6523	14 471	13 480	0 0003	50 47	72 40	50 78
11 20 00 AM	5125.00	0 4526	0 4526	5 6521	14 486	13 473	0 0003	50 84	72 52	51 17
11 20 00 AM	5148.01	0 4524	0 4527	5 6526	14 487	13 404	5 0004	50 82	72 50	51 12

ПЧННТЗА 016438

## 1122mm In 1200pm Data

Time stamp	Supply	Input Current	Output Current	Neutral Current	Voltage T1	Voltage T2	Grounded Voltage	Top Temp	Check Temp	Bottom Temp
11-22-02 AM	0.000	0.010	0.422	0.000	14.47	13.74	0.00	12.27	12.15	12.06
11-22-02 AM	0.000	0.020	0.422	0.002	14.47	13.67	0.00	12.05	12.01	12.00
11-22-12 AM	10.000	0.000	0.422	0.000	14.47	13.76	0.00	12.30	12.04	12.11
11-22-17 AM	76.010	0.000	0.422	0.000	14.47	13.68	0.00	12.82	12.17	12.48
11-22-22 AM	20.002	0.000	0.422	0.002	14.46	13.70	0.00	12.41	12.12	12.06
11-22-27 AM	25.000	0.000	0.422	0.000	14.47	13.69	0.00	12.77	12.15	12.35
11-22-32 AM	31.010	0.000	0.422	0.000	14.46	13.72	0.00	12.50	12.12	12.08
11-22-37 AM	35.002	0.000	0.422	0.000	14.46	13.78	0.00	12.50	12.12	12.08
11-22-42 AM	40.000	0.000	0.422	0.000	14.47	13.78	0.00	12.50	12.11	12.06
11-22-47 AM	46.012	0.000	0.422	0.000	14.46	13.77	0.00	12.21	12.06	12.27
11-22-52 AM	50.000	0.000	0.422	0.000	14.47	13.74	0.00	12.79	12.02	12.07
11-22-57 AM	55.005	0.000	0.422	0.000	14.47	13.71	0.00	12.47	12.06	12.05
11-23-02 AM	60.007	0.000	0.422	0.000	14.47	13.77	0.00	12.50	12.12	12.05
11-23-07 AM	65.004	0.000	0.422	0.000	14.46	13.78	0.00	12.50	12.12	12.08
11-23-12 AM	70.002	0.000	0.422	0.000	14.47	13.79	0.00	12.50	12.11	12.07
11-23-17 AM	76.002	0.000	0.422	0.000	14.46	13.67	0.00	12.50	12.10	12.06
11-23-22 AM	80.002	0.000	0.422	0.000	14.47	13.79	0.00	12.81	12.08	12.03
11-23-27 AM	85.000	0.000	0.422	0.000	14.47	13.74	0.00	12.50	12.12	12.06
11-23-32 AM	90.000	0.000	0.422	0.000	14.47	13.77	0.00	12.50	12.12	12.05
11-23-37 AM	95.000	0.000	0.422	0.000	14.47	13.71	0.00	12.50	12.12	12.05
11-23-42 AM	100.000	0.000	0.422	0.000	14.47	13.76	0.00	12.14	12.12	12.03
11-23-47 AM	105.000	0.000	0.422	0.000	14.47	13.61	0.00	12.50	12.02	12.40
11-23-52 AM	110.000	0.000	0.422	0.000	14.47	13.71	0.00	12.61	12.07	12.15
11-23-57 AM	115.007	0.000	0.422	0.000	14.47	13.78	0.00	12.50	12.04	12.11
11-24-01 AM	120.000	0.000	0.422	0.000	14.47	13.74	0.00	12.40	12.06	12.08
11-24-06 AM	125.000	0.000	0.422	0.000	14.47	13.76	0.00	12.10	12.12	12.10
11-24-11 AM	130.013	0.000	0.422	0.000	14.47	13.63	0.00	12.14	12.12	12.03
11-24-17 AM	135.005	0.000	0.422	0.000	14.47	13.67	0.00	12.50	12.02	12.02
11-24-22 AM	140.000	0.000	0.422	0.000	14.47	13.78	0.00	12.50	12.06	12.08
11-24-27 AM	145.008	0.000	0.422	0.000	14.47	13.75	0.00	12.50	12.12	12.03
11-24-32 AM	150.000	0.000	0.422	0.000	14.47	13.69	0.00	12.50	12.12	12.05
11-24-37 AM	155.000	0.000	0.422	0.000	14.47	13.75	0.00	12.50	12.12	12.05
11-24-42 AM	160.000	0.000	0.422	0.000	14.47	13.78	0.00	12.50	12.12	12.05
11-24-47 AM	165.014	0.000	0.422	0.000	14.47	13.74	0.00	12.24	12.13	12.44
11-24-52 AM	170.002	0.000	0.422	0.000	2.122	12.31	12.21	12.87	12.11	12.45
11-24-57 AM	175.011	0.000	0.422	0.000	2.122	12.35	12.21	12.71	12.01	12.02
11-25-02 AM	180.005	0.000	0.422	0.000	14.47	13.65	0.00	12.71	12.15	12.03
11-25-07 AM	185.004	0.000	0.422	0.000	14.47	13.78	0.00	12.50	12.11	12.05
11-25-12 AM	190.007	0.000	0.422	0.000	14.47	13.75	0.00	12.50	12.12	12.05
11-25-17 AM	195.007	0.000	0.422	0.000	14.47	13.62	0.00	12.50	12.08	12.57
11-25-22 AM	200.017	0.000	0.422	0.000	14.47	13.52	0.00	12.12	12.04	12.02
11-25-27 AM	205.002	0.000	0.422	0.000	14.47	13.58	0.00	12.82	12.04	12.31
11-25-32 AM	210.003	0.000	0.422	0.000	14.47	13.60	0.00	12.72	12.03	12.06
11-25-37 AM	215.007	0.000	0.422	0.000	14.47	13.17	0.00	12.62	12.05	12.08
11-25-42 AM	220.004	0.000	0.422	0.000	14.47	13.51	0.00	12.12	12.07	12.08
11-25-47 AM	225.009	0.000	0.422	0.000	14.47	13.45	0.00	12.74	12.10	12.32
11-25-52 AM	230.017	0.000	0.422	0.000	14.47	13.49	0.00	12.50	12.04	12.40
11-25-57 AM	235.002	0.000	0.422	0.000	14.47	13.42	0.00	12.72	12.04	12.06
11-26-02 AM	240.003	0.000	0.422	0.000	14.47	13.36	0.00	12.74	12.05	12.05
11-26-07 AM	245.014	0.000	0.422	0.000	14.47	13.29	0.00	12.55	12.12	12.04
11-26-12 AM	250.003	0.000	0.422	0.000	14.47	13.17	0.00	12.54	12.02	12.15
11-26-17 AM	255.028	0.000	0.422	0.000	14.47	12.63	0.01	12.16	12.02	12.15
11-26-22 AM	260.002	0.000	0.422	0.000	14.47	12.58	0.01	12.63	12.04	12.05

## 112mm x 120dpm Data

11 26 27 AM	265 822	1 2573	0 4210	0 7640	14 41	13 40	0 90	85 75	74 82	86 47
11 26 27 AM	270 824	1 2451	0 4200	1 2368	14 41	12 48	0 80	85 72	74 85	86 45
11 26 27 AM	275 825	2 0805	0 4200	2 2322	14 31	11 86	0 60	85 68	74 88	86 58
11 26 42 AM	280 823	0 8205	0 4450	0 6465	14 45	14 85	0 80	85 34	74 65	86 38
11 26 47 AM	284 823	0 8203	0 4444	0 3691	14 45	14 80	0 80	85 75	74 84	86 48
11 26 52 AM	288 823	0 8202	0 4404	0 2350	14 48	13 82	0 80	85 38	74 88	86 38
11 26 57 AM	296 823	1 2573	0 4454	0 5759	14 42	13 84	0 80	85 37	74 91	86 62
11 27 22 AM	302 824	0 8202	0 4420	0 2444	14 48	14 80	0 80	85 46	74 84	86 74
11 27 27 AM	305 822	0 8203	0 4207	0 3646	14 45	13 97	0 80	85 39	75 08	85 52
11 27 32 AM	310 827	0 8201	0 4465	0 2658	14 44	13 85	0 80	85 32	75 05	86 87
11 27 37 AM	315 826	0 8204	0 4488	0 3613	14 43	13 89	0 80	85 41	75 16	86 30
11 27 42 AM	320 827	0 8205	0 4488	0 2354	14 44	13 84	0 80	85 19	76 16	76 67
11 27 47 AM	325 824	0 8207	0 4494	0 3702	14 44	13 87	0 80	85 58	75 19	76 51
11 27 52 AM	329 824	0 8206	0 4422	0 2350	14 44	13 82	0 80	85 24	76 23	76 69
11 27 57 AM	335 824	0 8205	0 4465	0 2716	14 46	13 82	0 80	85 86	75 28	76 80
11 28 02 AM	335 822	0 8206	0 4407	0 3716	14 46	13 81	0 80	85 26	76 32	76 25
11 28 07 AM	336 826	0 8205	0 4486	0 2358	14 44	13 82	0 80	85 79	75 38	77 56
11 28 12 AM	346 821	1 2573	0 4483	1 2361	14 35	13 82	0 80	85 34	76 44	77 34
11 28 17 AM	346 826	0 8205	0 4489	0 3714	14 46	13 84	0 80	85 84	75 47	76 04
11 28 22 AM	350 826	0 8205	0 4487	0 2352	14 44	13 87	0 80	85 36	75 42	76 22
11 28 27 AM	355 821	0 8205	0 4473	0 4307	14 43	13 89	0 80	85 89	75 52	76 22
11 28 32 AM	358 827	0 8204	0 4465	0 2354	14 43	13 89	0 80	85 31	75 58	76 58
11 28 37 AM	365 824	0 8205	0 4465	0 4758	14 44	13 81	0 80	85 21	75 58	76 58
11 28 42 AM	370 823	2 0805	0 4453	0 7710	14 52	13 84	0 80	81 76	76 04	76 62
11 28 47 AM	375 825	1 0803	0 4487	0 7430	14 43	13 86	0 80	81 46	75 68	77 58
11 28 52 AM	380 826	0 8205	0 4465	0 5325	14 45	13 87	0 80	81 66	75 72	76 21
11 28 57 AM	385 828	1 0804	0 4465	0 4606	14 45	14 88	0 80	81 82	75 48	76 09
11 29 02 AM	388 821	1 0805	0 4487	0 6285	14 45	13 88	0 80	81 69	75 42	76 18
11 29 07 AM	395 826	1 0804	0 4487	0 4607	14 45	13 88	0 80	81 75	75 49	76 58
11 29 12 AM	400 823	1 4353	0 4488	0 4638	14 44	14 84	0 80	81 95	75 94	76 66
11 29 17 AM	405 822	0 8201	0 4482	0 5790	14 43	13 83	0 80	82 45	75 38	76 40
11 29 22 AM	410 822	0 8201	0 4488	0 4385	14 43	13 88	0 80	82 44	76 98	79 28
11 29 27 AM	415 822	2 0804	0 4484	0 6824	14 47	14 87	0 80	82 82	76 48	80 66
11 29 32 AM	420 824	0 8241	0 4480	0 4848	14 45	14 84	0 80	82 30	76 42	81 38
11 29 37 AM	425 824	1 2574	0 4474	0 6241	14 43	14 88	0 80	82 50	76 17	81 46
11 29 42 AM	430 823	1 0804	0 4482	0 6824	14 43	14 84	0 80	81 20	76 24	81 56
11 29 47 AM	435 823	1 0807	0 4488	0 7802	14 48	13 84	0 80	82 70	76 28	81 48
11 29 52 AM	440 823	0 8205	0 4485	0 5476	14 44	13 87	0 80	82 94	76 33	81 56
11 29 57 AM	445 826	1 0805	0 4480	0 4207	14 44	14 88	0 80	81 02	76 28	81 55
11 30 02 AM	450 828	1 0803	0 4482	0 6254	14 43	13 85	0 80	82 14	76 41	81 42
11 30 07 AM	455 824	1 2575	0 4486	0 7760	14 47	13 84	0 80	81 31	76 46	82 28
11 30 12 AM	460 826	1 0804	0 4482	0 6256	14 42	14 88	0 80	81 23	76 51	82 05
11 30 17 AM	465 823	1 0807	0 4488	0 8860	14 48	14 84	0 80	82 79	76 57	81 92
11 30 22 AM	470 821	1 3553	0 4487	0 8204	14 43	13 87	0 80	82 60	76 61	82 09
11 30 27 AM	475 823	2 1582	0 4416	1 1727	14 42	13 84	0 80	81 07	76 64	82 58
11 30 32 AM	480 819	1 3742	0 4462	1 0864	14 46	13 81	0 80	81 78	76 70	82 97
11 30 37 AM	485 822	1 1176	0 4463	0 6716	14 45	14 87	0 80	82 21	76 73	82 66
11 30 42 AM	490 824	1 3165	0 4516	0 5130	14 48	14 88	0 80	82 70	76 74	82 77
11 30 47 AM	495 818	1 3611	0 4476	0 8006	14 47	14 11	0 80	82 34	76 75	83 51
11 30 52 AM	500 822	1 2120	0 4482	1 1174	14 41	14 88	0 80	82 30	76 85	82 34
11 30 57 AM	505 824	1 3389	0 4467	0 8253	14 43	14 85	0 80	82 48	76 89	83 15
11 30 58 AM	510 813	1 3664	0 4464	0 7149	14 42	13 86	0 80	82 52	76 85	82 96
11 30 59 AM	515 841	1 0757	0 4464	0 5081	14 44	14 85	0 80	82 18	76 88	82 10
11 30 42 AM	520 824	1 1076	0 4464	0 4863	14 41	14 87	0 80	82 39	77 04	82 32
11 30 47 AM	525 823	0 8217	0 4462	0 3638	14 45	14 88	0 80	82 86	77 05	82 13
11 30 52 AM	530 826	0 8207	0 4464	0 4379	14 42	14 81	0 80	82 35	77 05	82 83

## 1120hrs to 1230hrs On

11 20 57 AM	526.046	0.7814	0.4467	0.3705	14.42	14.31	0.00	00.00	11.13	07.30
11 21 00 AM	526.044	1.0169	0.4462	0.3707	14.43	13.36	0.00	01.14	11.16	01.01
11 21 07 AM	526.023	0.6622	0.4465	0.3707	14.44	14.03	0.00	02.51	11.18	01.03
11 21 12 AM	526.032	0.9993	0.4462	0.3705	14.45	14.06	0.00	02.72	11.23	01.32
11 21 17 AM	526.031	0.7748	0.4468	0.3706	14.46	14.06	0.00	02.80	11.26	01.62
11 21 22 AM	526.031	0.9462	0.4464	0.3706	14.46	14.07	0.00	01.41	11.31	01.73
11 21 27 AM	526.043	0.8779	0.4468	0.3711	14.47	14.08	0.00	00.53	11.33	01.07
11 21 32 AM	526.021	0.9861	0.4463	0.3700	14.45	14.15	0.00	00.06	11.37	01.46
11 21 37 AM	525.984	0.7204	0.4465	0.3704	14.45	14.13	0.00	01.26	11.40	01.56
11 21 42 AM	526.023	0.7443	0.4466	0.3707	14.45	14.18	0.00	00.71	11.43	01.68
11 24 07 AM	526.011	0.7698	0.4464	0.3706	14.44	14.18	0.00	00.58	11.48	01.26
11 24 52 AM	526.030	0.7523	0.4466	0.3704	14.44	14.18	0.00	00.50	11.50	01.49
11 24 57 AM	526.045	0.7698	0.4468	0.3704	14.45	14.18	0.00	01.76	11.54	01.47
11 26 02 AM	526.044	0.7698	0.4465	0.3705	14.45	14.18	0.00	01.18	11.56	01.11
11 26 07 AM	526.049	0.7893	0.4466	0.3710	14.45	14.18	0.00	01.58	11.59	01.38
11 26 12 AM	526.002	0.7698	0.4468	0.3703	14.44	14.18	0.00	01.11	11.72	01.46
11 26 17 AM	526.027	0.7702	0.4468	0.3710	14.45	14.18	0.00	00.62	11.77	01.16
11 26 22 AM	526.013	0.6627	0.4469	0.3708	14.47	14.17	0.00	01.36	11.82	01.06
11 26 27 AM	525.984	0.7693	0.4464	0.3709	14.45	14.18	0.00	01.81	11.86	01.42
11 26 32 AM	526.024	0.7893	0.4464	0.3707	14.44	14.15	0.00	01.38	11.89	01.32
11 26 37 AM	526.013	0.7428	0.4467	0.3701	14.45	14.18	0.00	02.87	11.94	01.29
11 26 42 AM	526.023	0.7698	0.4468	0.3714	14.45	14.18	0.00	02.87	11.99	01.38
11 26 47 AM	526.024	0.7547	0.4463	0.3706	14.45	14.18	0.00	02.62	11.99	01.39
11 26 52 AM	526.030	0.7494	0.4463	0.3708	14.45	14.18	0.00	02.62	12.04	01.39
11 26 57 AM	526.023	0.7728	0.4468	0.3714	14.45	14.18	0.00	01.86	12.06	01.36
11 27 02 AM	526.024	0.6194	0.4468	0.3704	14.45	14.18	0.00	01.86	12.11	01.39
11 27 07 AM	526.044	0.8281	0.4468	0.3722	14.45	14.18	0.00	01.58	12.14	01.32
11 27 12 AM	526.023	0.7612	0.4465	0.3706	14.45	14.18	0.00	02.87	12.23	01.35
11 27 17 AM	526.024	0.7698	0.4468	0.3715	14.45	14.18	0.00	00.66	12.27	01.38
11 27 22 AM	526.024	0.7694	0.4469	0.3727	14.45	14.18	0.00	02.38	12.32	01.36
11 27 27 AM	526.023	0.7598	0.4468	0.3704	14.45	14.17	0.00	01.38	12.36	01.33
11 27 32 AM	526.024	0.7371	0.4465	0.3705	14.45	14.18	0.00	01.58	12.41	01.36
11 28 02 AM	526.023	0.7293	0.4467	0.3707	14.45	14.18	0.00	01.66	12.46	01.34
11 28 07 AM	526.044	0.7293	0.4467	0.3707	14.45	14.18	0.00	01.66	12.49	01.34
11 28 12 AM	526.023	0.7612	0.4465	0.3706	14.45	14.18	0.00	02.87	12.53	01.35
11 28 17 AM	526.024	0.7698	0.4468	0.3715	14.45	14.18	0.00	00.66	12.57	01.38
11 28 22 AM	526.024	0.7694	0.4469	0.3727	14.45	14.18	0.00	02.38	12.62	01.36
11 28 27 AM	526.023	0.7598	0.4468	0.3704	14.45	14.17	0.00	01.38	12.66	01.33
11 28 32 AM	526.024	0.7371	0.4465	0.3705	14.45	14.18	0.00	01.58	12.71	01.36
11 29 02 AM	526.023	0.7293	0.4467	0.3707	14.45	14.18	0.00	01.66	12.76	01.34
11 29 07 AM	526.044	0.7293	0.4467	0.3707	14.45	14.18	0.00	01.66	12.79	01.34
11 29 12 AM	526.023	0.7612	0.4465	0.3706	14.45	14.18	0.00	02.87	12.83	01.35
11 29 17 AM	526.024	0.7698	0.4468	0.3715	14.45	14.18	0.00	00.66	12.87	01.38
11 29 22 AM	526.024	0.7694	0.4469	0.3727	14.45	14.18	0.00	02.38	12.92	01.36
11 29 27 AM	526.023	0.7598	0.4468	0.3704	14.45	14.17	0.00	01.38	12.96	01.33
11 29 32 AM	526.024	0.7371	0.4465	0.3705	14.45	14.18	0.00	01.58	13.01	01.36
11 30 02 AM	526.023	0.7293	0.4467	0.3707	14.45	14.18	0.00	01.66	13.06	01.34
11 30 07 AM	526.044	0.7293	0.4467	0.3707	14.45	14.18	0.00	01.66	13.09	01.34
11 30 12 AM	526.023	0.7612	0.4465	0.3706	14.45	14.18	0.00	02.87	13.13	01.35
11 30 17 AM	526.024	0.7698	0.4468	0.3715	14.45	14.18	0.00	00.66	13.17	01.38
11 30 22 AM	526.024	0.7694	0.4469	0.3727	14.45	14.18	0.00	02.38	13.22	01.36
11 30 27 AM	526.023	0.7598	0.4468	0.3704	14.45	14.17	0.00	01.38	13.26	01.33
11 30 32 AM	526.024	0.7371	0.4465	0.3705	14.45	14.18	0.00	01.58	13.31	01.36
11 31 02 AM	526.023	0.7293	0.4467	0.3707	14.45	14.18	0.00	01.66	13.36	01.34
11 31 07 AM	526.044	0.7293	0.4467	0.3707	14.45	14.18	0.00	01.66	13.39	01.34
11 31 12 AM	526.023	0.7612	0.4465	0.3706	14.45	14.18	0.00	02.87	13.43	01.35
11 31 17 AM	526.024	0.7698	0.4468	0.3715	14.45	14.18	0.00	00.66	13.47	01.38
11 31 22 AM	526.024	0.7694	0.4469	0.3727	14.45	14.18	0.00	02.38	13.52	01.36
11 31 27 AM	526.023	0.7598	0.4468	0.3704	14.45	14.17	0.00	01.38	13.56	01.33
11 31 32 AM	526.024	0.7371	0.4465	0.3705	14.45	14.18	0.00	01.58	13.61	01.36
11 32 02 AM	526.023	0.7293	0.4467	0.3707	14.45	14.18	0.00	01.66	13.66	01.34
11 32 07 AM	526.044	0.7293	0.4467	0.3707	14.45	14.18	0.00	01.66	13.69	01.34
11 32 12 AM	526.023	0.7612	0.4465	0.3706	14.45	14.18	0.00	02.87	13.73	01.35
11 32 17 AM	526.024	0.7698	0.4468	0.3715	14.45	14.18	0.00	00.66	13.77	01.38
11 32 22 AM	526.024	0.7694	0.4469	0.3727	14.45	14.18	0.00	02.38	13.82	01.36
11 32 27 AM	526.023	0.7598	0.4468	0.3704	14.45	14.17	0.00	01.38	13.86	01.33
11 32 32 AM	526.024	0.7371	0.4465	0.3705	14.45	14.18	0.00	01.58	13.91	01.36
11 33 02 AM	526.023	0.7293	0.4467	0.3707	14.45	14.18	0.00	01.66	13.96	01.34
11 33 07 AM	526.044	0.7293	0.4467	0.3707	14.45	14.18	0.00	01.66	13.99	01.34
11 33 12 AM	526.023	0.7612	0.4465	0.3706	14.45	14.18	0.00	02.87	14.03	01.35
11 33 17 AM	526.024	0.7698	0.4468	0.3715	14.45	14.18	0.00	00.66	14.07	01.38
11 33 22 AM	526.024	0.7694	0.4469	0.3727	14.45	14.18	0.00	02.38	14.12	01.36
11 33 27 AM	526.023	0.7598	0.4468	0.3704	14.45	14.17	0.00	01.38	14.16	01.33
11 33 32 AM	526.024	0.7371	0.4465	0.3705	14.45	14.18	0.00	01.58	14.21	01.36
11 34 02 AM	526.023	0.7293	0.4467	0.3707	14.45	14.18	0.00	01.66	14.25	01.34
11 34 07 AM	526.044	0.7293	0.4467	0.3707	14.45	14.18	0.00	01.66	14.29	01.34
11 34 12 AM	526.023	0.7612	0.4465	0.3706	14.45	14.18	0.00	02.87	14.33	01.35
11 34 17 AM	526.024	0.7698	0.4468	0.3715	14.45	14.18	0.00	00.66	14.37	01.38
11 34 22 AM	526.024	0.7694	0.4469	0.3727	14.45	14.18	0.00	02.38	14.42	01.36
11 34 27 AM	526.023	0.7598	0.4468	0.3704	14.45	14.17	0.00	01.38	14.46	01.33
11 34 32 AM	526.024	0.7371	0.4465	0.3705	14.45	14.18	0.00	01.58	14.51	01.36
11 35 02 AM	526.023	0.7293	0.4467	0.3707	14.45	14.18	0.00	01.66	14.55	01.34
11 35 07 AM	526.044	0.7293	0.4467	0.3707	14.45	14.18	0.00	01.66	14.59	01.34
11 35 12 AM	526.023	0.7612	0.4465	0.3706	14.45	14.18	0.00	02.87	14.63	01.35
11 35 17 AM	526.024	0.7698	0.4468	0.3715	14.45	14.18	0.00	00.66	14.67	01.38
11 35 22 AM	526.024	0.7694	0.4469	0.3727	14.45	14.18	0.00	02.38	14.72	01.36
11 35 27 AM	526.023	0.7598	0.4468	0.3704	14.45	14.17	0.00	01.38	14.76	01.33
11 35 32 AM	526.024	0.7371	0.4465	0.3705	14.45	14.18	0.00	01.58	14.81	01.36
11 36 02 AM	526.023	0.7293	0.4467	0.3707	14.45	14.18	0.00	01.66	14.85	01.34
11 36 07 AM	526.044	0.7293	0.4467	0.3707	14.45	14.18	0.00	01.66	14.89	01.34
11 36 12 AM	526									

1122pm to 1222pm Oct 4

11:26:27 AM	016-004	1.0000	0.4318	1.0000	14.27	13.40	4.61	76.34	80.24	40.74
11:26:32 AM	016-003	1.0000	0.4357	1.0000	14.38	13.32	4.61	82.96	84.21	57.26
11:26:37 AM	015-021	2.2100	0.4483	1.0000	14.37	12.98	4.61	85.06	86.33	59.76
11:26:42 AM	016-002	2.2200	0.4493	2.0047	14.49	12.49	4.61	88.13	89.31	59.13
11:26:47 AM	016-002	2.1004	0.4384	1.0013	14.23	13.35	4.61	80.49	87.27	51.36
11:26:52 AM	016-019	2.2007	0.4298	1.0040	14.31	13.55	4.61	82.22	85.24	52.24
11:26:57 AM	015-003	1.4904	0.4374	1.0046	14.33	13.88	4.61	83.34	84.24	52.24
11:27:02 AM	016-025	1.0000	0.4286	1.0000	14.29	13.55	4.60	93.66	89.24	80.24
11:27:07 AM	015-016	1.0000	0.4278	1.0000	14.21	13.03	4.60	82.61	83.27	80.42
11:27:12 AM	016-016	1.0047	0.4287	1.0077	14.32	12.87	4.61	83.81	85.29	58.48
11:27:17 AM	015-021	1.0000	0.4412	1.0047	14.32	13.74	4.60	84.34	85.21	58.48
11:27:22 AM	016-026	1.0000	0.4292	1.0026	14.29	13.69	4.60	84.34	85.21	58.48
11:27:27 AM	016-028	1.2478	0.4371	1.0000	14.49	12.94	4.61	82.84	80.79	58.26
11:27:32 AM	016-021	1.0000	0.4272	1.0000	14.42	13.23	4.60	80.34	80.30	58.26
11:27:37 AM	015-002	1.0041	0.4285	0.0076	14.42	13.73	4.60	82.26	83.31	58.55
11:27:42 AM	016-024	1.0000	0.4289	0.0026	14.35	13.70	4.60	82.85	83.30	58.55
11:27:47 AM	015-020	1.2205	0.4384	0.0058	14.43	13.68	4.60	82.54	84.32	58.41
11:27:52 AM	016-013	1.0072	0.4387	0.0076	14.45	13.78	4.60	82.16	85.25	58.36
11:27:57 AM	016-045	1.0043	0.4399	0.0076	14.49	13.74	4.60	81.87	80.21	58.21
11:28:02 AM	016-028	1.0001	0.4286	1.0002	14.41	13.83	4.60	81.61	80.27	58.21
11:28:07 AM	015-005	1.0027	0.4306	1.0004	14.26	13.70	4.60	83.53	83.38	58.44
11:28:12 AM	016-023	1.0076	0.4377	0.7206	14.44	13.86	4.60	81.43	86.33	58.24
11:28:17 AM	015-012	2.0008	0.4166	0.0026	14.39	13.81	4.61	81.10	83.34	58.24
11:28:22 AM	016-046	1.0004	0.4417	0.0007	14.46	13.77	4.60	81.47	80.37	58.46
11:28:27 AM	016-002	1.0003	0.4389	1.1009	14.38	13.82	4.61	81.83	80.36	58.26
11:28:32 AM	016-004	0.5700	0.4165	0.0005	13.95	14.26	5.60	84.24	80.37	58.21
11:28:37 AM	016-026	2.2007	0.4499	0.0023	14.51	13.68	4.60	82.52	84.40	58.05
11:28:42 AM	016-025	1.5706	0.4405	1.2126	14.40	13.63	4.60	82.54	84.44	58.45
11:28:47 AM	016-042	1.2341	0.4479	0.0004	14.17	13.86	4.61	80.41	86.46	58.24
11:28:52 AM	016-002	0.8200	0.4510	0.0005	14.48	14.01	4.61	82.75	80.46	58.74
11:28:57 AM	015-011	4.2200	0.4611	5.4702	14.28	11.82	4.63	80.71	80.46	58.91
11:29:02 AM	016-044	1.0005	0.4489	1.0003	14.38	14.07	4.61	82.85	80.49	58.99
11:29:07 AM	016-002	1.3001	0.4495	0.0004	14.50	14.20	4.60	83.25	85.52	51.36
11:29:12 AM	016-047	1.0007	0.4542	0.0006	14.46	14.09	4.60	82.47	81.92	51.03
11:29:17 AM	016-002	1.0071	0.4553	1.0002	14.39	14.06	4.60	83.86	80.00	51.03
11:29:22 AM	016-023	0.9805	0.4532	0.0006	14.45	14.18	4.60	82.81	80.63	51.48
11:29:27 AM	015-013	1.1704	0.4452	0.0001	14.44	14.21	4.60	83.71	80.49	51.22
11:29:32 AM	016-045	1.0006	0.4503	0.0004	14.57	14.21	4.60	82.71	80.24	51.03
11:29:37 AM	016-020	1.0040	0.4340	1.0757	14.43	13.86	4.60	84.93	80.76	51.36
11:29:42 AM	100-000	0.9176	0.4402	0.0002	14.38	14.17	4.60	81.34	80.03	51.14
11:29:47 AM	100-003	1.3101	0.4502	0.0006	14.49	14.18	4.60	84.37	80.80	51.14
11:29:52 AM	100-004	1.1176	0.4438	0.0007	14.40	13.73	4.60	81.93	80.91	51.87
11:29:57 AM	1015-013	2.1100	0.4398	1.4752	14.41	14.24	4.60	83.81	80.97	51.92
11:30:02 AM	1000-002	1.3006	0.4488	0.0006	14.29	14.20	4.60	82.32	80.98	51.20
11:30:07 AM	1005-001	1.6176	0.4466	1.0015	14.42	14.02	4.60	81.25	81.04	51.12
11:30:12 AM	1000-006	1.5046	0.4573	0.0059	14.39	14.03	4.60	84.26	81.03	51.71
11:30:17 AM	1005-029	1.1025	0.4567	0.0001	14.37	13.94	4.60	82.44	81.03	51.03
11:30:22 AM	1000-021	0.9906	0.4492	0.0009	14.43	14.24	4.60	81.84	81.11	51.92
11:30:27 AM	1000-002	0.8200	0.4523	0.0006	14.46	14.28	4.60	80.80	81.03	51.66
11:30:32 AM	1000-002	0.9875	0.4514	0.0004	14.43	14.37	4.60	80.86	81.06	51.02
11:30:37 AM	1000-018	0.9204	0.4514	0.0005	14.44	14.29	4.60	81.34	81.34	51.02
11:30:42 AM	1000-002	0.8807	0.4487	0.0006	14.44	14.24	4.60	81.57	81.31	51.31
11:30:47 AM	1000-001	0.9807	0.4510	0.0002	14.45	14.24	4.60	81.10	81.24	51.01
11:30:52 AM	1000-012	0.9400	0.4500	0.0002	14.45	14.23	4.60	87.84	81.26	51.36

## 1123nm to 1330pm Data

11 30 57 AM	1005 045	0 6484	0 4917	0 2110	14 45	14 27	0 08	0 643	0 1 26	0 1 31
11 40 02 AM	1006 024	0 6470	0 4947	0 1500	14 45	14 26	0 08	0 534	0 1 30	0 1 26
11 40 07 AM	1006 028	0 6494	0 4948	0 1525	14 45	14 26	0 08	0 524	0 1 40	0 1 35
11 40 12 AM	1006 021	0 6280	0 4950	0 1702	14 45	14 26	0 08	0 314	0 1 44	0 1 49
11 40 17 AM	1006 026	0 6283	0 4952	0 1702	14 45	14 25	0 08	0 316	0 1 53	0 1 56
11 40 22 AM	1006 028	0 6287	0 4955	0 1702	14 45	14 25	0 08	0 315	0 1 56	0 1 53
11 40 27 AM	1006 028	0 6284	0 4958	0 1676	14 45	14 25	0 08	0 323	0 1 58	0 1 57
11 40 32 AM	1116 020	0 6290	0 4962	0 1700	14 45	14 25	0 08	0 249	0 1 32	0 1 36
11 40 37 AM	1116 020	0 6290	0 4962	0 1688	14 45	14 25	0 08	0 251	0 1 38	0 1 39
11 40 42 AM	1116 022	0 6290	0 4962	0 1686	14 45	14 25	0 08	0 273	0 1 34	0 1 38
11 40 47 AM	1116 022	0 6292	0 4962	0 1687	14 45	14 25	0 08	0 273	0 1 37	0 1 42
11 40 52 AM	1116 026	0 6294	0 4962	0 1682	14 45	14 25	0 08	0 311	0 1 37	0 1 38
11 40 57 AM	1116 026	0 6294	0 4962	0 1687	14 45	14 25	0 08	0 275	0 1 36	0 1 38
11 41 02 AM	1116 027	0 6293	0 4963	0 1687	14 45	14 25	0 08	0 349	0 1 37	0 1 38
11 41 07 AM	1116 027	0 6293	0 4963	0 1675	14 45	14 26	0 08	0 248	0 1 30	0 1 32
11 41 12 AM	1116 015	0 6170	0 4968	0 2812	14 45	14 22	0 08	0 248	0 2 32	0 1 18
11 41 17 AM	1116 014	0 6295	0 4967	0 1734	14 45	14 25	0 08	0 230	0 2 38	0 1 31
11 41 22 AM	1116 014	0 6295	0 4962	0 1732	14 45	14 26	0 08	0 274	0 2 38	0 1 31
11 41 27 AM	1116 012	0 6294	0 4962	0 1705	14 45	14 25	0 08	0 239	0 2 35	0 1 36
11 41 32 AM	1116 014	0 6293	0 4962	0 1738	14 45	14 26	0 08	0 267	0 2 33	0 1 36
11 41 37 AM	1116 014	0 6293	0 4962	0 1671	14 45	14 22	0 08	0 175	0 2 38	0 1 29
11 41 42 AM	1116 017	0 6291	0 4964	0 1612	14 45	14 22	0 08	0 266	0 2 36	0 1 31
11 41 47 AM	1116 016	0 6115	0 4977	0 1697	14 45	14 21	0 08	0 168	0 2 33	0 1 36
11 41 52 AM	1116 013	0 6298	0 4968	0 1626	14 45	14 21	0 08	0 313	0 2 36	0 1 31
11 41 57 AM	1116 013	0 6291	0 4961	0 1601	14 45	14 16	0 08	0 249	0 3 02	0 1 36
11 42 02 AM	1206 020	0 6290	0 4968	0 1680	14 45	14 15	0 08	0 372	0 3 04	0 1 34
11 42 07 AM	1206 015	0 6401	0 4975	0 2862	14 45	14 05	0 08	0 327	0 3 07	0 1 31
11 42 12 AM	1206 014	0 6290	0 4965	0 1691	14 45	14 29	0 08	0 187	0 3 07	0 1 32
11 42 17 AM	1215 003	0 6210	0 4978	0 2801	14 45	14 17	0 08	0 348	0 3 13	0 1 32
11 42 22 AM	1209 012	0 6274	0 4965	0 2889	14 45	14 15	0 08	0 375	0 3 13	0 1 36
11 42 27 AM	1225 007	0 6291	0 4962	0 2894	14 45	14 15	0 08	0 375	0 3 15	0 1 32
11 42 32 AM	1226 022	0 7641	0 4962	0 2302	14 45	14 15	0 08	0 353	0 3 17	0 1 36
11 42 37 AM	1206 014	0 6293	0 4963	0 1615	14 45	14 05	0 08	0 318	0 3 18	0 1 36
11 42 42 AM	1206 014	0 6293	0 4963	0 2300	14 45	14 15	0 08	0 344	0 3 23	0 1 36
11 42 47 AM	1205 032	0 6298	0 4972	0 1688	14 45	14 21	0 08	0 368	0 3 21	0 1 37
11 42 52 AM	1206 015	0 6271	0 4970	0 1658	14 45	14 10	0 08	0 377	0 3 25	0 1 38
11 42 57 AM	1205 013	0 6298	0 4978	0 1686	14 45	14 10	0 08	0 311	0 3 24	0 1 37
11 43 02 AM	1209 026	0 6246	0 4974	0 1708	14 45	14 21	0 08	0 376	0 3 23	0 1 36
11 43 07 AM	1205 046	0 6287	0 4938	0 2446	14 45	14 15	0 08	0 344	0 3 23	0 1 36
11 43 12 AM	1207 046	0 6340	0 4969	0 1674	14 45	14 23	0 08	0 339	0 3 28	0 1 39
11 43 17 AM	1215 004	0 6241	0 4964	0 1657	14 45	14 26	0 08	0 325	0 3 33	0 1 30
11 43 22 AM	1208 007	0 6253	0 4938	0 1604	14 45	14 20	0 08	0 417	0 3 37	0 1 37
11 43 27 AM	1205 041	0 6274	0 4954	0 1605	14 45	14 17	0 08	0 346	0 3 40	0 1 39
11 43 32 AM	1206 001	0 6298	0 4962	0 1684	14 45	14 17	0 08	0 345	0 3 45	0 1 34
11 43 37 AM	1205 006	0 6254	0 4958	0 1707	14 45	14 16	0 08	0 321	0 3 34	0 1 32
11 43 42 AM	1208 011	0 6314	0 4967	0 1762	14 45	14 28	0 08	0 311	0 3 38	0 1 35
11 43 47 AM	1206 002	0 6288	0 4968	0 1621	14 45	14 17	0 08	0 340	0 3 38	0 1 36
11 43 52 AM	1210 003	0 6298	0 4958	0 1702	14 45	14 17	0 08	0 256	0 3 42	0 1 33
11 43 57 AM	1216 001	0 6261	0 4959	0 1638	14 45	13 58	0 08	0 275	0 3 44	0 1 32
11 44 02 AM	1205 004	0 6269	0 4954	0 2009	14 45	14 26	0 08	0 348	0 3 56	0 1 29
11 44 07 AM	1205 008	0 6379	0 4960	0 1604	14 45	14 20	0 08	0 314	0 3 56	0 1 36
11 44 12 AM	1209 024	0 6315	0 4938	0 2003	14 45	14 14	0 08	0 300	0 3 56	0 1 36
11 44 17 AM	0705 007	0 6133	0 4946	0 1561	14 45	14 16	0 08	0 411	0 3 56	0 1 36
11 44 22 AM	1245 026	0 5267	0 4957	0 1549	14 45	14 19	0 08	0 346	0 3 56	0 1 37

11-44-27 AM	136-016	0.5572	5-4422	0.7089	14-48	14-48	800	8137	83-58	56-58
11-44-28 AM	1350-003	0.1524	0-1488	0.0085	14-47	13-03	800	8119	83-56	57-71
11-44-29 AM	136a-012	0.1524	0-1275	0.0085	14-48	12-28	800	8085	83-48	57-61
11-44-30 AM	1360-045	0.2128	0-2048	0.0085	14-48	12-12	800	8086	83-37	53-38
11-44-31 AM	1368-025	0.2048	0-2163	0.0085	14-47	13-31	800	8267	81-68	51-68
11-44-32 AM	1370-002	4.8895	5-4094	4.5348	14-47	13-20	801	8085	81-78	53-37
11-44-33 AM	1375-013	4.8895	5-4116	4.4735	14-48	13-28	801	8042	81-91	58-35
11-45-02 AM	1380-082	2.8874	5-4267	1.7717	14-25	13-07	801	8088	81-42	58-43
11-45-07 AM	1386-039	2.1895	5-4310	1.2008	14-37	13-22	801	8217	81-88	58-88
11-45-12 AM	1390-01	2.2070	5-4317	1.0888	14-32	13-25	801	74-44	81-67	59-70
11-45-17 AM	1395-039	1.8869	5-4381	1.4716	14-37	13-04	801	8079	81-57	51-42
11-45-22 AM	1400-021	2.1204	5-4389	1.4791	14-38	13-32	801	8422	81-56	58-15
11-45-27 AM	1405-082	1.7708	5-4398	1.2649	14-48	13-28	800	88-16	81-52	54-45
11-45-32 AM	1410-042	1.8272	5-4477	1.4655	14-38	13-25	801	8046	81-42	58-40
11-45-37 AM	1415-082	2.6432	5-4621	2.1249	14-39	12-94	801	8236	81-50	58-89
11-45-42 AM	1420-084	2.1880	5-4659	1.3864	14-21	11-95	801	84-48	81-45	57-94
11-45-47 AM	1425-034	2.0395	5-4642	2.0968	14-36	13-04	801	8091	81-45	57-88
11-45-52 AM	1430-021	1.8228	5-4644	1.6494	14-23	13-24	801	87-08	81-48	58-04
11-45-57 AM	1435-084	1.8244	5-4688	1.2623	14-38	13-64	801	88-19	81-34	58-42
11-46-02 AM	1440-094	2.1954	5-4617	1.0659	14-26	13-20	801	8046	81-29	58-45
11-46-07 AM	1445-016	1.8675	5-4495	1.2075	14-37	13-28	800	8056	81-25	57-90
11-46-12 AM	1450-045	1.7884	5-4688	1.1682	14-38	13-35	800	8068	81-25	57-88
11-46-17 AM	1455-036	2.8476	5-4114	2.1221	14-39	12-22	801	8027	81-21	57-22
11-46-22 AM	1460-065	2.6776	5-4398	1.9814	14-43	13-44	800	8048	81-26	58-33
11-46-27 AM	1465-082	1.4688	5-4388	1.0893	14-32	13-68	801	8053	81-20	58-34
11-46-32 AM	1470-031	1.7893	5-4710	1.9488	14-28	12-74	800	8054	81-17	58-57
11-46-37 AM	1475-060	1.8699	5-4358	0.8609	14-47	13-02	800	8082	81-15	57-66
11-46-42 AM	1480-064	1.8592	5-4738	1.3227	14-28	11-13	801	101-81	81-15	58-28
11-46-47 AM	1485-022	1.8992	5-4382	1.0694	14-42	13-78	800	8020	81-15	57-85
11-46-52 AM	1490-041	1.8597	5-4414	1.0555	14-48	13-81	800	100-82	81-15	58-14
11-46-57 AM	1495-087	1.3094	5-4387	1.0949	14-48	13-57	800	8058	81-13	57-67
11-47-02 AM	1500-035	2.8642	5-4281	1.2026	14-45	13-73	800	70-48	81-10	57-35
11-47-07 AM	1505-044	1.8135	5-4388	1.2689	14-46	13-88	800	8063	81-14	57-82
11-47-12 AM	1510-041	1.8875	5-4480	1.8617	14-42	13-70	800	101-88	81-10	58-30
11-47-17 AM	1515-025	1.3498	5-4344	0.8926	14-45	11-80	800	100-88	81-15	57-61
11-47-22 AM	1520-006	2.8552	5-3792	0.9598	14-23	10-62	804	8081	81-09	58-30
11-47-27 AM	1525-028	1.2098	5-4388	0.7643	14-41	14-02	800	101-29	81-17	58-70
11-47-32 AM	1530-022	1.7890	5-4410	0.7295	14-47	13-84	800	90-12	81-15	58-80
11-47-37 AM	1535-002	1.5582	5-4387	0.8061	14-37	13-86	800	100-84	81-10	58-45
11-47-42 AM	1540-023	1.5612	5-4384	1.0462	14-38	13-86	800	100-26	81-20	58-38
11-47-47 AM	1545-042	1.5087	5-4388	0.8065	14-41	13-50	800	100-08	81-22	58-39
11-47-52 AM	1550-024	1.5089	5-4388	0.8473	14-42	13-75	800	8059	81-22	58-14
11-48-07 AM	1555-018	1.3098	5-4278	1.0519	14-36	13-70	700	8082	81-24	57-77
11-48-12 AM	1560-002	1.4084	5-4334	1.0504	14-46	13-89	800	8051	81-28	57-44
11-48-17 AM	1565-023	1.3078	5-4218	0.8713	14-48	13-89	800	8050	81-27	58-67
11-48-22 AM	1570-022	1.0558	5-4336	0.8062	14-39	13-65	800	8045	81-24	58-12
11-48-27 AM	1575-002	1.7893	5-4397	1.7986	14-41	12-89	800	8031	81-20	58-20
11-48-32 AM	1580-021	1.0488	5-4317	1.7128	14-40	13-74	800	8023	81-19	58-41
11-48-37 AM	1585-04	1.0484	5-4268	0.8664	14-43	13-75	800	8071	81-27	58-17
11-48-42 AM	1590-04	1.0882	5-4273	0.8303	14-43	13-47	800	8042	81-28	58-70
11-48-47 AM	1595-002	1.5082	5-4336	0.8670	14-44	13-56	800	82-67	81-29	58-60
11-48-52 AM	1600-03	1.1582	5-4386	0.8303	14-45	13-82	800	8064	81-33	58-89
11-48-57 AM	1605-008	1.7573	5-0486	1.7204	14-36	13-81	800	8034	81-29	58-76
						14-35	847	8001	8024	81-54

## 1122nm to 1220pm Data

11 48 57 AM	1615 011	1 0301	0 0379	1 3114	14 29	14 04	0 05	98 83	81 60	10 45
11 48 58 AM	1620 008	1 0708	0 0431	0 0275	14 41	12 84	0 05	98 85	81 55	10 51
11 48 59 AM	1625 04	1 1105	0 0289	0 7222	14 29	12 81	0 05	98 83	81 51	10 49
11 49 00 AM	1630 026	1 1508	0 0405	0 0752	14 41	14 11	0 05	98 83	81 64	10 50
11 49 01 AM	1635 000	1 1908	0 0405	0 0888	14 41	14 07	0 05	98 72	81 63	94 92
11 49 02 AM	1640 024	1 1405	0 0472	0 0795	14 45	14 08	0 05	98 74	81 61	10 48
11 49 03 AM	1645 025	1 1428	0 0476	0 0888	14 42	14 08	0 05	98 74	81 60	10 49
11 49 04 AM	1650 026	1 1205	0 0480	0 2613	12 82	8 72	0 05	98 17	81 61	10 51
11 49 05 AM	1655 014	1 0705	0 0482	0 0888	14 42	14 09	0 05	98 87	81 59	10 44
11 49 06 AM	1700 021	1 0807	0 0485	0 0888	14 43	14 08	0 05	98 78	81 58	10 43
11 49 07 AM	1705 002	1 2110	0 0488	0 7002	14 41	14 06	0 05	98 92	81 57	10 45
11 49 08 AM	1710 029	1 1208	0 0492	0 0875	14 42	14 06	0 05	98 78	81 57	10 46
11 49 09 AM	1715 000	1 2801	0 0495	0 0888	14 42	14 08	0 05	98 74	81 56	10 47
11 49 10 AM	1720 002	1 4575	0 0498	0 0888	14 41	14 08	0 05	97 38	81 40	94 48
11 49 11 AM	1725 023	1 1207	0 0502	0 0714	14 42	13 97	0 05	98 87	81 41	10 54
11 49 12 AM	1730 019	1 2801	0 0507	0 0888	14 37	13 79	0 05	98 35	81 38	10 71
11 49 13 AM	1735 005	1 4508	0 0545	1 2112	14 45	13 82	0 01	95 40	81 37	10 19
11 49 14 AM	1740 026	1 1206	0 0483	0 0888	14 42	14 08	0 05	98 89	81 36	10 48
11 49 15 AM	1745 004	1 3844	0 0485	0 0887	14 42	14 05	0 05	98 82	81 35	10 43
11 49 16 AM	1750 044	1 2004	0 0419	0 0884	14 45	14 13	0 05	98 97	81 34	10 74
11 49 17 AM	1755 025	0 8071	0 0437	0 0888	14 40	14 03	0 05	98 83	81 33	10 46
11 49 18 AM	1760 004	1 0203	0 0487	0 0888	14 42	14 08	0 05	98 78	81 33	10 23
11 49 19 AM	1765 024	1 4206	0 0488	0 2612	14 45	13 95	0 05	98 74	81 34	10 41
11 49 20 AM	1770 016	1 0204	0 0483	0 0888	14 42	14 05	0 05	98 87	81 33	10 62
11 49 21 AM	1775 002	1 3844	0 0485	0 0888	14 42	14 05	0 05	98 87	81 35	10 26
11 49 22 AM	1780 017	0 9031	0 0479	0 2608	14 48	13 96	0 01	98 35	82 04	10 03
11 49 23 AM	1785 002	1 2308	0 0485	1 2770	14 48	13 96	0 01	98 36	82 04	10 03
11 49 24 AM	1790 041	0 6226	0 0482	0 2645	14 44	14 17	0 05	98 36	82 05	10 03
11 49 25 AM	1795 042	0 7009	0 0437	0 3002	14 45	14 17	0 05	98 23	82 04	10 38
11 49 26 AM	1790 008	0 6205	0 0473	0 2674	14 48	14 16	0 05	98 18	82 18	10 20
11 49 27 AM	1795 026	0 6205	0 0474	0 4466	14 42	14 11	0 05	91 24	82 11	10 03
11 49 28 AM	1780 017	0 9031	0 0479	0 2608	14 48	14 21	0 05	98 37	82 10	10 43
11 49 29 AM	1785 004	1 2308	0 0485	1 2205	14 42	14 16	0 05	98 32	82 04	10 34
11 49 30 AM	1790 002	0 7008	0 0479	0 2605	14 45	14 16	0 05	98 31	82 03	10 15
11 49 31 AM	1795 046	0 7003	0 0488	0 2680	14 48	14 20	0 05	98 38	82 03	10 23
11 49 32 AM	1790 045	0 7005	0 0488	0 2692	14 48	14 26	0 05	98 42	82 03	10 23
11 49 33 AM	1795 024	0 6205	0 0474	0 2795	14 44	14 26	0 05	98 48	82 32	10 24
11 49 34 AM	1780 002	0 7002	0 0467	0 2667	14 48	14 21	0 05	98 43	82 32	10 38
11 49 35 AM	1785 007	0 6205	0 0475	0 2608	14 45	14 18	0 05	98 41	82 37	10 70
11 49 36 AM	1790 003	0 7005	0 0488	0 2677	14 44	14 29	0 05	98 14	82 41	10 42
11 49 37 AM	1795 046	0 7003	0 0488	0 2680	14 48	14 22	0 05	98 46	82 46	10 77
11 49 38 AM	1800 003	0 6205	0 0488	0 2692	14 48	14 23	0 05	91 12	82 48	10 86
11 49 39 AM	1805 012	0 6205	0 0447	0 4626	14 41	14 12	0 05	98 65	82 52	10 36
11 49 40 AM	1810 006	0 6205	0 0450	0 1021	14 58	14 25	0 05	79 81	82 34	10 41
11 49 41 AM	1815 026	0 6205	0 0450	0 1021	14 45	14 23	0 05	79 14	82 36	10 36
11 49 42 AM	1820 013	0 6102	0 0477	0 1708	14 48	14 22	0 05	76 41	82 61	10 69
11 49 43 AM	1825 013	0 6008	0 0475	0 1708	14 45	14 25	0 05	77 37	82 65	10 82
11 49 44 AM	1830 024	0 6004	0 0480	0 1605	14 45	14 23	0 05	76 44	82 67	10 13
11 49 45 AM	1835 003	0 6008	0 0488	0 1708	14 48	14 22	0 05	75 78	82 11	10 87
11 49 46 AM	1840 008	0 5008	0 0488	0 1065	14 40	14 25	0 05	76 23	82 73	10 91
11 49 47 AM	1845 003	0 6008	0 0488	0 1708	14 48	14 22	0 05	76 27	82 76	10 47
11 49 48 AM	1850 026	0 5008	0 0488	0 1065	14 40	14 25	0 05	74 92	82 76	10 47
11 49 49 AM	1855 007	0 6102	0 0482	0 0888	14 48	14 26	0 05	74 57	82 76	10 47
11 49 50 AM	1860 008	0 6008	0 0470	0 1204	14 46	14 25	0 05	73 68	82 38	10 34
11 49 51 AM	1865 007	0 6008	0 0467	0 1128	14 48	14 25	0 05	72 82	82 61	10 64
11 49 52 AM	1870 015	0 6008	0 0460	0 1118	14 45	14 25	0 05	72 76	82 62	10 17
11 49 53 AM	1875 003	0 6001	0 0460	0 1130	14 48	14 25	0 05	71 78	82 67	10 47
11 49 54 AM	1880 023	0 6105	0 0488	0 1217	14 48	14 24	0 05	71 27	82 51	10 37

## 1122pm to 1222pm Date

11:53:27 AM	1080-016	0:57:06	0:44:34	0:12:17	0:44:46	14:26	0:39	20:41	0:1:34	0:7:46
11:53:32 AM	1080-043	0:57:03	0:44:35	0:12:16	0:44:45	14:26	0:39	20:40	0:1:35	0:7:48
11:53:32 AM	1080-021	0:57:00	0:44:37	0:12:09	0:44:44	14:26	0:39	20:39	0:1:34	0:7:47
11:53:42 AM	1080-034	0:57:01	0:44:37	0:12:07	0:44:44	14:26	0:39	20:38	0:1:34	0:7:46
11:53:47 AM	1080-034	0:56:59	0:44:38	0:12:06	0:44:43	14:26	0:39	20:37	0:1:33	0:7:45
11:53:52 AM	1080-012	0:57:02	0:44:39	0:12:05	0:44:42	14:26	0:39	20:36	0:1:32	0:7:44
11:53:57 AM	1080-002	0:57:04	0:44:39	0:12:04	0:44:41	14:26	0:39	20:35	0:1:31	0:7:43
11:54:02 AM	1080-036	0:57:03	0:44:37	0:12:03	0:44:40	14:25	0:39	20:34	0:1:30	0:7:42
11:54:07 AM	1080-018	0:57:03	0:44:35	0:12:02	0:44:39	14:25	0:39	20:33	0:1:29	0:7:41
11:54:12 AM	1080-044	0:57:01	0:44:34	0:12:01	0:44:38	14:25	0:39	20:32	0:1:28	0:7:40
11:54:17 AM	1080-049	0:56:59	0:44:34	0:12:00	0:44:37	14:25	0:39	20:31	0:1:27	0:7:39
11:54:22 AM	1080-002	0:57:04	0:44:39	0:12:01	0:44:37	14:25	0:39	20:30	0:1:26	0:7:38
11:54:27 AM	1080-003	0:57:05	0:44:37	0:12:02	0:44:36	14:25	0:39	20:29	0:1:25	0:7:37
11:54:32 AM	1080-016	0:56:57	0:44:38	0:12:03	0:44:37	14:25	0:39	20:28	0:1:24	0:7:36
11:54:37 AM	1080-046	0:56:56	0:44:39	0:11:59	0:44:36	14:25	0:39	20:27	0:1:23	0:7:35
11:54:42 AM	1080-005	0:57:05	0:44:37	0:11:58	0:44:35	14:25	0:39	20:26	0:1:22	0:7:34
11:54:47 AM	1080-042	0:56:59	0:44:38	0:11:57	0:44:37	14:25	0:39	20:25	0:1:21	0:7:33
11:54:52 AM	1080-001	0:57:05	0:44:36	0:11:56	0:44:36	14:25	0:39	20:24	0:1:20	0:7:32
11:54:57 AM	1080-001	0:57:06	0:44:35	0:11:55	0:44:35	14:25	0:39	20:23	0:1:19	0:7:31
11:55:02 AM	1080-004	0:57:04	0:44:34	0:11:54	0:44:34	14:25	0:39	20:22	0:1:18	0:7:30
11:55:07 AM	1080-049	0:56:59	0:44:35	0:11:53	0:44:33	14:25	0:39	20:21	0:1:17	0:7:29
11:55:12 AM	1080-007	0:57:05	0:44:36	0:11:52	0:44:32	14:25	0:39	20:20	0:1:16	0:7:28
11:55:17 AM	1080-004	0:57:04	0:44:37	0:11:51	0:44:31	14:25	0:39	20:19	0:1:15	0:7:27
11:55:22 AM	1080-004	0:57:05	0:44:36	0:11:50	0:44:30	14:25	0:39	20:18	0:1:14	0:7:26
11:55:27 AM	1080-001	0:57:06	0:44:35	0:11:49	0:44:29	14:25	0:39	20:17	0:1:13	0:7:25
11:55:32 AM	1080-003	0:57:05	0:44:34	0:11:48	0:44:28	14:25	0:39	20:16	0:1:12	0:7:24
11:55:37 AM	1080-003	0:57:06	0:44:33	0:11:47	0:44:27	14:25	0:39	20:15	0:1:11	0:7:23
11:55:42 AM	1080-003	0:57:05	0:44:32	0:11:46	0:44:26	14:25	0:39	20:14	0:1:10	0:7:22
11:55:47 AM	1080-004	0:57:06	0:44:31	0:11:45	0:44:25	14:25	0:39	20:13	0:1:09	0:7:21
11:55:52 AM	1080-017	0:57:05	0:44:30	0:11:44	0:44:24	14:25	0:39	20:12	0:1:08	0:7:20
11:55:57 AM	1080-005	0:57:06	0:44:29	0:11:43	0:44:23	14:25	0:39	20:11	0:1:07	0:7:19
11:56:02 AM	1080-006	0:57:05	0:44:28	0:11:42	0:44:22	14:25	0:39	20:10	0:1:06	0:7:18
11:56:07 AM	1080-004	0:57:06	0:44:27	0:11:41	0:44:21	14:25	0:39	20:09	0:1:05	0:7:17
11:56:12 AM	1080-017	0:57:05	0:44:26	0:11:40	0:44:20	14:25	0:39	20:08	0:1:04	0:7:16
11:56:17 AM	1080-005	0:57:06	0:44:25	0:11:39	0:44:19	14:25	0:39	20:07	0:1:03	0:7:15
11:56:22 AM	1080-004	0:57:05	0:44:24	0:11:38	0:44:18	14:25	0:39	20:06	0:1:02	0:7:14
11:56:27 AM	1080-017	0:57:06	0:44:23	0:11:37	0:44:17	14:25	0:39	20:05	0:1:01	0:7:13
11:56:32 AM	1080-004	0:57:05	0:44:22	0:11:36	0:44:16	14:25	0:39	20:04	0:1:00	0:7:12
11:56:37 AM	1080-003	0:57:06	0:44:21	0:11:35	0:44:15	14:25	0:39	20:03	0:1:01	0:7:11
11:56:42 AM	1080-003	0:57:05	0:44:20	0:11:34	0:44:14	14:25	0:39	20:02	0:1:00	0:7:10
11:56:47 AM	1080-002	0:57:06	0:44:19	0:11:33	0:44:13	14:25	0:39	20:01	0:1:01	0:7:09
11:56:52 AM	1080-001	0:57:05	0:44:18	0:11:32	0:44:12	14:25	0:39	20:00	0:1:00	0:7:08
11:56:57 AM	1080-004	0:57:06	0:44:17	0:11:31	0:44:11	14:25	0:39	19:59	0:1:01	0:7:07
11:57:02 AM	1080-002	0:57:05	0:44:16	0:11:30	0:44:10	14:25	0:39	19:58	0:1:00	0:7:06
11:57:07 AM	1080-003	0:57:06	0:44:15	0:11:29	0:44:09	14:25	0:39	19:57	0:1:01	0:7:05
11:57:12 AM	1080-003	0:57:05	0:44:14	0:11:28	0:44:08	14:25	0:39	19:56	0:1:00	0:7:04
11:57:17 AM	1080-002	0:57:06	0:44:13	0:11:27	0:44:07	14:25	0:39	19:55	0:1:01	0:7:03
11:57:22 AM	1080-002	0:57:05	0:44:12	0:11:26	0:44:06	14:25	0:39	19:54	0:1:00	0:7:02
11:57:27 AM	1080-001	0:57:06	0:44:11	0:11:25	0:44:05	14:25	0:39	19:53	0:1:01	0:7:01
11:57:32 AM	1080-002	0:57:05	0:44:10	0:11:24	0:44:04	14:25	0:39	19:52	0:1:00	0:7:00
11:57:37 AM	1080-001	0:57:06	0:44:09	0:11:23	0:44:03	14:25	0:39	19:51	0:1:01	0:6:59
11:57:42 AM	1080-002	0:57:05	0:44:08	0:11:22	0:44:02	14:25	0:39	19:50	0:1:00	0:6:58
11:57:47 AM	1080-001	0:57:06	0:44:07	0:11:21	0:44:01	14:25	0:39	19:49	0:1:01	0:6:57
11:57:52 AM	1080-002	0:57:05	0:44:06	0:11:20	0:44:00	14:25	0:39	19:48	0:1:00	0:6:56
11:57:57 AM	1080-001	0:57:06	0:44:05	0:11:19	0:44:00	14:25	0:39	19:47	0:1:01	0:6:55
11:58:02 AM	1080-002	0:57:05	0:44:04	0:11:18	0:44:00	14:25	0:39	19:46	0:1:00	0:6:54
11:58:07 AM	1080-001	0:57:06	0:44:03	0:11:17	0:44:00	14:25	0:39	19:45	0:1:01	0:6:53
11:58:12 AM	1080-002	0:57:05	0:44:02	0:11:16	0:44:00	14:25	0:39	19:44	0:1:00	0:6:52
11:58:17 AM	1080-001	0:57:06	0:44:01	0:11:15	0:44:00	14:25	0:39	19:43	0:1:01	0:6:51
11:58:22 AM	1080-002	0:57:05	0:44:00	0:11:14	0:44:00	14:25	0:39	19:42	0:1:00	0:6:50
11:58:27 AM	1080-001	0:57:06	0:44:00	0:11:13	0:44:00	14:25	0:39	19:41	0:1:01	0:6:49
11:58:32 AM	1080-002	0:57:05	0:44:00	0:11:12	0:44:00	14:25	0:39	19:40	0:1:00	0:6:48
11:58:37 AM	1080-001	0:57:06	0:44:00	0:11:11	0:44:00	14:25	0:39	19:39	0:1:01	0:6:47
11:58:42 AM	1080-002	0:57:05	0:44:00	0:11:10	0:44:00	14:25	0:39	19:38	0:1:00	0:6:46
11:58:47 AM	1080-001	0:57:06	0:44:00	0:11:09	0:44:00	14:25	0:39	19:37	0:1:01	0:6:45
11:58:52 AM	1080-002	0:57:05	0:44:00	0:11:08	0:44:00	14:25	0:39	19:36	0:1:00	0:6:44
11:58:57 AM	1080-001	0:57:06	0:44:00	0:11:07	0:44:00	14:25	0:39	19:35	0:1:01	0:6:43
11:59:02 AM	1080-002	0:57:05	0:44:00	0:11:06	0:44:00	14:25	0:39	19:34	0:1:00	0:6:42
11:59:07 AM	1080-001	0:57:06	0:44:00	0:11:05	0:44:00	14:25	0:39	19:33	0:1:01	0:6:41
11:59:12 AM	1080-002	0:57:05	0:44:00	0:11:04	0:44:00	14:25	0:39	19:32	0:1:00	0:6:40
11:59:17 AM	1080-001	0:57:06	0:44:00	0:11:03	0:44:00	14:25	0:39	19:31	0:1:01	0:6:39
11:59:22 AM	1080-002	0:57:05	0:44:00	0:11:02	0:44:00	14:25	0:39	19:30	0:1:00	0:6:38
11:59:27 AM	1080-001	0:57:06	0:44:00	0:11:01	0:44:00	14:25	0:39	19:29	0:1:01	0:6:37
11:59:32 AM	1080-002	0:57:05	0:44:00	0:11:00	0:44:00	14:25	0:39	19:28	0:1:00	0:6:36
11:59:37 AM	1080-001	0:57:06	0:44:00	0:10:59	0:44:00	14:25	0:39	19:27	0:1:01	0:6:35
11:59:42 AM	1080-002	0:57:05	0:44:00	0:10:58	0:44:00	14:25	0:39	19:26	0:1:00	0:6:34
11:59:47 AM	1080-001	0:57:06	0:44:00	0:10:57	0:44:00	14:25	0:39	19:25	0:1:01	0:6:33
11:59:52 AM	1080-002	0:57:05	0:44:00	0:10:56	0:44:00	14:25	0:39	19:24	0:1:00	0:6:32
11:59:57 AM	1080-001	0:57:06	0:44:00	0:10:55	0:44:00	14:25	0:39	19:23	0:1:01	0:6:31
12:00:02 AM	1080-002	0:57:05	0:44:00	0:10:54	0:44:00	14:25	0:39	19:22	0:1:00	0:6:30
12:00:07 AM	1080-001	0:57:06	0:44:00	0:10:53	0:44:00	14:25	0:39	19:21	0:1:01	0:6:29
12:00:12 AM	1080-002	0:57:05	0:44:00	0:10:52	0:44:00	14:25	0:39	19:20	0:1:00	0:6:28
12:00:17 AM	1080-001	0:57:06	0:44:00	0:10:51	0:44:00	14:25	0:39	19:19	0:1:01	0:6:27
12:00:22 AM	1080-002	0:57:05	0:44:00	0:10:50	0:44:00	14:25	0:39	19:18	0:1:00	0:6:26
12:00:27 AM	1080-001	0:								

## 1122pm to 1230pm Date

11:57:57 AM	2466.032	2.2503	0.4403	1.6703	14.23	14.00	0.01	000.25	03.74	00.54
11:58:02 AM	2466.017	0.9520	0.4403	0.6103	14.25	14.00	0.01	000.21	03.73	00.53
11:58:07 AM	2466.045	1.2094	0.4417	0.8670	14.26	13.95	0.01	000.30	03.73	00.57
11:58:12 AM	2467.032	1.1620	0.4407	0.8103	14.29	14.04	0.00	000.07	03.69	00.56
11:58:17 AM	2475.816	1.0670	0.4408	0.5803	14.41	14.01	0.00	000.05	03.71	00.56
11:58:22 AM	2486.048	1.0445	0.4415	0.6043	14.42	14.04	0.00	000.05	03.61	00.47
11:58:27 AM	2486.081	1.1885	0.4409	0.7803	14.43	14.10	0.00	000.35	03.61	00.20
11:58:32 AM	2489.007	0.9700	0.4406	0.4803	14.45	14.09	0.00	000.07	03.66	00.47
11:58:37 AM	2494.043	0.9507	0.4412	0.3803	14.46	14.09	0.00	000.01	03.47	00.37
11:58:42 AM	2499.023	0.7503	0.4409	0.3003	14.47	14.09	0.00	000.14	03.68	00.58
11:58:47 AM	2505.804	0.7600	0.4405	0.2803	14.49	14.04	0.00	000.14	03.66	00.03
11:58:52 AM	2517.041	1.1625	0.4412	0.4203	14.48	14.09	0.00	000.21	03.68	00.30
11:58:57 AM	2516.018	0.7807	0.4403	0.2804	14.43	14.16	0.00	000.05	03.68	00.12
11:58:02 PM	2519.001	0.7779	0.4400	0.3103	14.43	14.11	0.00	000.20	03.71	00.76
11:58:07 PM	2523.022	0.7773	0.4476	0.2303	14.41	14.07	0.00	000.16	03.71	00.16
11:58:12 PM	2520.015	0.8740	0.4406	0.4003	14.44	13.92	0.00	000.04	03.60	00.50
11:58:17 PM	2526.043	1.0821	0.4403	0.2072	14.51	14.16	0.00	000.27	03.64	03.56
11:58:22 PM	2540.032	1.0604	0.4402	0.4804	14.39	14.11	0.00	000.15	03.66	00.08
11:58:27 PM	2546.022	0.9807	0.1570	0.0803	14.48	14.20	0.00	000.02	03.67	00.08
11:58:32 PM	2550.049	0.8802	0.4405	0.4802	14.49	14.20	0.00	000.05	03.44	01.08
11:58:37 PM	2556.004	0.1201	0.4423	0.0811	14.48	14.22	0.00	000.02	03.72	01.12
11:58:42 PM	2550.022	0.2074	0.4402	0.2074	14.55	12.56	0.01	000.00	03.98	00.66
11:58:47 PM	2556.001	1.3521	0.4477	1.3522	14.39	13.26	0.01	000.31	03.41	02.79
11:58:52 PM	2553.013	1.4203	0.4408	2.0804	14.26	13.33	0.01	000.70	03.36	00.47
11:58:57 PM	2573.038	1.3200	0.4314	2.3100	14.39	13.48	0.01	000.87	03.26	00.31
12:00:02 PM	2585.215	1.2601	0.4404	4.1003	14.49	12.47	0.01	000.20	03.21	00.82
12:00:07 PM	2585.045	0.3801	0.4404	1.5003	14.32	13.54	0.01	000.00	03.33	00.02
12:00:12 PM	2585.004	0.5300	0.4406	2.5003	14.36	13.65	0.01	000.28	03.06	00.62
12:00:17 PM	2595.000	2.7004	0.4400	2.0003	14.39	13.49	0.01	000.15	03.15	01.77
12:00:22 PM	2590.037	4.2610	0.4407	3.1003	14.13	13.69	0.02	000.36	03.52	00.52
12:00:27 PM	2595.000	2.7000	0.4403	2.3003	14.31	13.62	0.01	000.24	03.13	01.86
12:00:32 PM	2612.046	2.2500	0.4404	1.7003	14.39	13.32	0.01	000.11	02.48	
12:00:37 PM	2615.000	1.8803	0.4403	1.4003	14.41	14.01	0.00	000.07	03.02	00.27
12:00:42 PM	2629.000	1.2001	0.4408	0.9644	14.42	13.68	0.00	000.20	03.03	01.41
12:00:47 PM	2635.000	1.5200	0.4407	1.1070	14.39	13.82	0.00	000.00	03.65	
12:00:52 PM	2630.002	1.4500	0.4401	0.7607	14.42	14.06	0.00	000.21	03.71	01.30
12:00:57 PM	2636.001	0.9801	0.4400	0.8003	14.47	14.03	0.00	000.23	03.91	00.62
12:01:02 PM	2648.001	4.4804	0.4400	2.1003	14.43	14.00	0.00	000.00	03.27	
12:01:07 PM	2655.010	0.3800	0.4400	0.3003	14.36	13.89	0.00	000.39	03.63	00.06
12:01:12 PM	2650.002	1.3513	0.4405	0.5200	14.42	12.79	0.01	000.70	03.67	00.01
12:01:17 PM	2656.000	1.2700	0.4402	0.2004	14.27	13.42	0.00	000.39	03.75	00.31
12:01:22 PM	2650.017	0.6907	0.4407	0.4222	14.25	14.18	0.00	000.05	03.74	00.05
12:01:27 PM	2655.004	0.8400	0.4400	0.6202	14.46	13.85	0.00	000.42	03.76	00.73
12:01:32 PM	2670.007	1.1500	0.4407	0.8202	14.44	14.12	0.00	000.00	03.48	00.47
12:01:37 PM	2675.002	1.8900	0.4400	0.6500	14.41	14.06	0.00	000.43	03.86	00.36
12:01:42 PM	2680.003	3.4605	0.4409	5.0003	14.30	14.13	0.01	000.10	03.74	00.52
12:01:47 PM	2686.000	1.5604	0.4400	0.6602	14.63	14.22	0.00	000.00	03.75	00.50
12:01:52 PM	2690.010	1.4605	0.4407	0.4500	14.65	13.92	0.00	000.74	03.12	00.40
12:01:57 PM	2695.004	0.9700	0.4402	0.4300	14.43	14.15	0.00	000.47	03.76	00.48
12:02:02 PM	2698.004	0.6000	0.4403	0.4600	14.42	14.13	0.00	000.36	03.62	00.49
12:02:07 PM	2705.013	0.6701	0.4400	0.5100	14.37	14.10	0.00	000.01	03.68	00.67
12:02:12 PM	2710.002	0.6902	0.4400	0.4300	14.44	14.13	0.00	000.50	03.58	00.49
12:02:17 PM	2715.003	1.1300	0.4300	0.5600	14.28	12.36	0.02	000.33	03.65	00.67
12:02:22 PM	2720.016	1.1104	0.4410	0.9600	14.31	13.80	0.00	000.34	03.62	01.91

1122pm to 1239pm Date

12/02/1 PM	2425-003	1.0000	0.4286	0.7500	14.46	13.85	0.00	70.35	79.02	80.24
12/02/2 PM	2425-013	2.5000	0.4000	2.5000	14.41	13.90	0.01	70.45	79.61	80.27
12/02/4 PM	2425-011	1.0007	0.4232	1.2507	14.48	13.52	0.01	81.00	82.22	82.58
12/02/47 PM	2425-016	1.0005	0.4204	1.0004	14.41	13.88	0.00	83.17	82.62	82.75
12/02/50 PM	2425-017	1.0004	0.4206	1.0007	14.37	13.10	0.01	84.76	83.24	82.94
12/02/57 PM	2425-047	0.7007	0.4004	0.7013	14.43	13.04	0.00	85.30	84.38	84.54
12/03/02 PM	2425-006	4.0000	0.3002	8.0004	14.45	0.05	0.00	87.20	83.24	85.15
12/03/07 PM	2425-020	1.0008	0.4002	0.7002	14.53	0.05	0.00	87.15	83.27	85.52
12/03/12 PM	2425-015	0.0000	0.0000	0.0000	14.44	0.05	0.00	87.00	87.93	85.94
12/03/17 PM	2425-002	1.0011	0.4000	1.7513	14.49	0.07	0.01	87.45	83.94	84.16
12/03/22 PM	2425-030	2.0000	0.3002	2.0004	14.39	0.08	0.01	87.05	87.93	84.71
12/03/22 PM	2425-017	2.0004	0.3000	1.7506	14.41	0.07	0.01	87.00	82.36	85.15
12/03/23 PM	2425-005	0.0000	0.0001	0.7500	14.41	0.05	0.00	87.97	81.80	85.51
12/03/27 PM	2425-024	10.5700	0.3008	10.5710	14.05	9.48	0.03	86.12	70.64	85.48
12/03/42 PM	2425-004	0.2100	0.4000	0.7504	14.26	1.57	0.05	86.20	86.20	86.46
12/03/47 PM	2425-021	4.3000	0.4008	1.4015	14.05	14.00	0.00	86.00	76.74	87.46
12/03/52 PM	2425-005	0.0000	0.4000	0.2500	14.48	14.20	0.01	80.10	74.08	82.70
12/03/57 PM	2425-003	0.0000	0.4010	0.1005	14.41	14.16	0.00	106.01	77.80	87.80
12/04/02 PM	2425-003	0.0000	0.4010	0.1000	14.42	14.12	0.00	88.04	77.71	86.04
12/04/07 PM	2425-011	0.4014	0.4007	0.2008	14.42	14.17	0.00	110.05	77.58	87.92
12/04/12 PM	2425-006	0.0000	0.4000	0.2004	14.42	14.12	0.00	111.41	77.61	87.21
12/04/17 PM	2425-005	0.7007	0.4008	0.2501	14.42	14.13	0.00	110.89	77.50	87.94
12/04/22 PM	2425-013	0.7007	0.4000	0.2512	14.43	14.14	0.00	110.61	77.42	87.21
12/04/27 PM	2425-002	0.0000	0.4000	0.2002	14.45	14.12	0.00	109.39	77.39	86.43
12/04/32 PM	2425-002	0.7005	0.4005	0.2500	14.44	14.10	0.00	108.68	77.42	86.45
12/04/37 PM	2425-004	0.7001	0.4008	0.2004	14.44	14.09	0.00	107.00	77.41	86.01
12/04/42 PM	2425-002	0.7000	0.4000	0.2000	14.45	14.10	0.00	106.44	77.40	86.17
12/04/47 PM	2425-001	0.7003	0.4007	0.2005	14.41	14.08	0.00	106.75	77.39	86.18
12/04/52 PM	2425-004	0.0000	0.4000	0.2005	14.44	14.12	0.00	105.82	77.45	86.05
12/04/57 PM	2425-044	0.0000	0.4000	0.1000	14.46	14.11	0.00	101.89	77.49	86.03
12/05/02 PM	2425-027	0.5700	0.4005	0.1004	14.46	14.10	0.00	109.26	77.52	86.02
12/05/07 PM	2425-015	0.0020	0.4020	0.0003	14.45	14.12	0.00	108.24	77.66	86.08
12/05/12 PM	2425-002	0.0012	0.4012	0.0004	14.45	14.10	0.00	107.58	79.18	86.25
12/05/17 PM	2425-002	0.0008	0.4008	0.0012	14.48	14.05	0.00	106.43	79.15	86.42
12/05/22 PM	2425-002	0.0011	0.4021	0.0005	14.45	14.08	0.00	105.88	80.72	86.45
12/05/27 PM	2425-019	0.7200	0.4000	0.1005	14.45	14.10	0.01	106.21	81.12	82.54
12/05/32 PM	2425-014	0.0005	0.4000	0.0006	14.46	14.05	0.01	91.37	86.92	86.24
12/05/37 PM	2425-006	0.0002	0.4041	0.0004	14.47	14.02	0.01	90.45	86.80	81.76
12/05/42 PM	2425-012	1.7507	0.4010	1.1017	14.49	13.88	0.01	93.72	86.74	83.84
12/05/47 PM	2425-002	0.0002	0.4002	0.0007	14.50	13.73	0.01	93.44	86.98	86.46
12/05/52 PM	2425-011	1.0207	0.4003	1.0002	14.31	13.54	0.01	93.85	86.66	85.70
12/05/57 PM	2425-001	1.0700	0.4007	1.0001	14.41	13.58	0.01	93.22	86.68	85.40
12/06/02 PM	2425-002	2.7015	0.4027	1.0001	14.46	13.52	0.00	93.56	86.68	87.86
12/06/07 PM	2425-004	1.0000	0.4004	1.0000	14.36	13.88	0.00	94.22	86.74	87.34
12/06/12 PM	2425-012	1.7507	0.4010	1.1017	14.49	13.88	0.00	94.62	86.76	87.32
12/06/17 PM	2425-002	1.0008	0.4005	1.0005	14.31	13.77	0.00	94.60	86.93	87.45
12/06/22 PM	2425-006	1.0004	0.4027	0.7504	14.46	13.88	0.00	95.00	86.98	86.42
12/06/27 PM	2425-026	1.0001	0.4002	0.4002	14.41	13.88	0.00	95.06	86.94	86.12
12/06/32 PM	2425-014	1.0277	0.4000	0.7507	14.36	13.78	0.00	95.29	86.91	86.74
12/06/37 PM	2425-002	0.9504	0.4002	0.5002	14.43	14.02	0.00	96.25	81.02	87.90
12/06/42 PM	2425-023	1.0100	0.4000	0.5000	14.32	14.01	0.00	95.72	81.08	87.10
12/06/47 PM	2425-001	1.1100	0.4004	0.4005	14.37	13.88	0.00	95.23	81.12	86.77
12/06/52 PM	2425-003	1.1031	0.4002	0.4000	14.40	13.84	0.00	95.16	81.14	86.91

## 112Lines to 120Lines Data

12:06:57 PM	2886.033	1.0460	0.4580	D6H2	14.61	14.86	0.00	05.11	01.22	05.38
12:07:02 PM	2788.016	1.1951	0.4480	D7H2	14.62	14.83	0.00	05.08	01.20	05.13
12:07:07 PM	2786.045	1.5811	0.4460	D8H2	14.63	13.83	0.00	04.07	01.26	05.16
12:07:12 PM	2786.039	1.2391	0.4413	D9H2	14.62	14.87	0.00	04.10	01.40	06.72
12:07:17 PM	2715.000	1.0883	0.4469	D10H2	14.63	14.85	0.00	04.12	01.44	06.64
12:07:22 PM	2725.004	1.0460	0.4462	D11H2	14.61	13.87	0.00	04.24	01.33	06.14
12:07:27 PM	2725.010	1.1982	0.4465	D12H2	14.62	14.87	0.00	03.91	01.30	03.82
12:07:32 PM	2230.004	1.1671	0.4462	D13H2	14.63	14.86	0.00	03.82	01.30	03.81
12:07:37 PM	2735.004	1.0341	0.4464	D14H2	14.62	14.86	0.00	03.31	01.27	02.88
12:07:42 PM	2448.018	0.8863	0.4467	D15H2	14.61	13.74	0.00	03.32	01.13	02.34
12:07:47 PM	2345.002	0.7785	0.4462	D16H2	14.64	14.88	0.00	02.58	01.06	01.76
12:07:52 PM	2716.003	0.7749	0.4465	D17H2	14.64	14.88	0.00	02.03	01.06	01.64
12:07:57 PM	3755.004	0.8973	0.4460	D18H2	14.68	14.73	0.00	01.27	01.06	01.4
12:08:02 PM	2386.004	0.7315	0.4462	D19H2	14.61	14.71	0.00	00.94	01.08	02.82
12:08:07 PM	2790.027	0.7304	0.4460	D20H2	14.64	14.88	0.00	00.57	01.08	02.23
12:08:12 PM	2779.048	0.8823	0.4463	D21H2	14.65	14.71	0.00	00.25	01.14	02.11
12:08:17 PM	2775.004	0.6305	0.4467	D22H2	14.71	14.76	0.00	00.68	01.16	01.94
12:08:22 PM	2716.031	0.6288	0.4465	D23H2	14.68	14.78	0.00	00.78	01.15	01.85
12:08:27 PM	2765.009	0.6280	0.4462	D24H2	14.65	14.78	0.00	00.21	01.04	01.66
12:08:32 PM	2780.042	0.6405	0.4462	D25H2	14.68	14.75	0.00	00.32	01.02	01.86
12:08:37 PM	2735.023	0.6204	0.4463	D26H2	14.65	14.76	0.00	00.38	01.10	01.75
12:08:42 PM	2620.005	0.6276	0.4467	D27H2	14.65	14.77	0.00	00.48	01.17	01.98
12:08:47 PM	2615.005	0.6266	0.4463	D28H2	14.65	14.76	0.00	00.65	01.20	01.95
12:08:52 PM	2614.024	0.6256	0.4466	D29H2	14.65	14.76	0.00	00.56	01.28	01.75
12:08:57 PM	2615.009	0.6253	0.4467	D30H2	14.65	14.75	0.00	00.35	01.32	01.92
12:09:02 PM	2620.004	0.6253	0.4467	D31H2	14.65	14.75	0.00	00.34	01.36	01.92
12:09:07 PM	2625.023	0.6256	0.4464	D32H2	14.65	14.76	0.00	00.32	01.40	01.90
12:09:12 PM	2625.002	0.6253	0.4463	D33H2	14.65	14.76	0.00	01.16	01.71	01.96
12:09:17 PM	2615.023	0.6246	0.4468	D34H2	14.64	14.75	0.00	01.29	01.05	01.40
12:09:22 PM	2616.004	0.6246	0.4462	D35H2	14.65	14.76	0.00	00.73	02.28	00.41
12:09:27 PM	2645.047	0.2776	0.2776	D36H2	14.66	14.77	0.00	00.75	01.92	00.59
12:09:32 PM	2620.002	0.6260	0.4467	D37H2	14.65	14.76	0.00	00.39	02.05	00.68
12:09:37 PM	2625.006	0.6265	0.4466	D38H2	14.65	14.77	0.00	00.22	01.15	01.35
12:09:42 PM	2625.002	0.6263	0.4463	D39H2	14.65	14.76	0.00	01.16	01.71	01.96
12:09:47 PM	2615.007	0.6266	0.4464	D40H2	14.64	14.75	0.00	01.29	01.05	01.40
12:09:52 PM	2679.018	0.6004	0.4462	D41H2	14.65	14.76	0.00	00.73	02.28	00.41
12:09:57 PM	2675.007	0.6184	0.4467	D42H2	14.65	14.76	0.00	00.75	01.92	00.59
12:10:02 PM	2620.002	0.6261	0.4467	D43H2	14.65	14.76	0.00	00.39	02.05	00.68
12:10:07 PM	2625.006	0.6265	0.4466	D44H2	14.65	14.77	0.00	00.22	01.15	01.35
12:10:12 PM	2625.002	0.6263	0.4463	D45H2	14.65	14.76	0.00	01.16	01.71	01.96
12:10:17 PM	2615.003	1.1690	0.4469	D46H2	14.62	14.85	0.00	02.74	00.54	01.38
12:10:22 PM	2670.014	1.1647	0.4468	D47H2	11.22	14.76	0.00	00.84	00.19	01.78
12:10:27 PM	2615.004	1.1620	0.4467	D48H2	14.64	14.74	0.00	00.14	00.03	01.27
12:10:32 PM	2670.026	1.1648	0.4463	D49H2	14.62	14.85	0.00	00.40	00.05	00.47
12:10:37 PM	2615.011	1.2034	0.4462	D50H2	14.67	13.32	0.00	03.29	00.58	02.26
12:10:42 PM	3025.004	1.0400	0.4475	D51H2	14.65	14.88	0.00	00.44	00.08	00.38
12:10:47 PM	2615.014	1.1613	0.4469	D52H2	14.63	14.84	0.00	02.36	00.12	00.38
12:10:52 PM	2620.003	1.1628	0.4462	D53H2	14.66	14.86	0.00	02.51	00.13	00.23
12:10:57 PM	2605.023	1.1570	0.4466	D54H2	12.62	13.32	0.00	01.81	00.17	00.36
12:11:02 PM	2648.002	1.2008	0.4469	D55H2	14.63	13.30	0.00	00.61	00.20	00.67
12:11:07 PM	2645.011	1.2031	0.4416	D56H2	14.66	13.35	0.00	00.59	00.20	00.47
12:11:12 PM	2615.007	1.1604	0.4462	D57H2	14.60	13.34	0.00	01.29	00.22	00.35
12:11:17 PM	2615.005	1.1608	0.4465	D58H2	14.68	13.35	0.00	00.19	00.15	00.27
12:11:22 PM	2615.004	1.1644	0.4460	D59H2	14.61	13.35	0.00	00.46	00.21	00.51

## 1120pm to 1220pm Date

12-11-27 PM	2800-004	11027	0-0000	0-0000	14-42	13-93	0-00	70-66	80-46	6-33
12-11-28 PM	2800-015	11027	0-0030	0-0030	14-44	13-94	0-00	70-62	80-48	6-32
12-11-29 PM	2800-016	4-0025	0-0030	0-0030	14-42	13-94	0-00	70-63	80-49	6-32
12-11-30 PM	2800-017	1-0044	0-0037	0-0037	14-44	13-92	0-00	70-62	80-48	6-30
12-11-31 PM	2800-018	1-0017	0-0034	0-0034	14-52	13-92	0-00	70-61	80-47	6-30
12-12-01 PM	2800-019	1-0002	0-0030	0-0030	14-42	13-91	0-00	70-60	80-47	6-29
12-12-02 PM	2800-017	1-0006	0-0035	0-0035	14-41	13-90	0-00	70-59	80-46	6-28
12-12-03 PM	2800-002	0-0011	0-0037	0-0035	14-42	13-88	0-00	70-52	80-45	6-28
12-12-04 PM	2800-016	1-0007	0-0030	0-0030	14-39	13-86	0-01	70-49	80-43	6-26
12-12-05 PM	2800-023	1-0009	0-0033	0-0032	14-38	13-85	0-00	70-48	80-42	6-26
12-12-06 PM	2800-012	14-3473	0-0036	0-0036	14-38	13-86	0-02	70-43	80-37	6-27
12-12-07 PM	2800-026	1-0005	0-0030	0-0030	14-38	13-85	0-01	70-43	80-36	6-27
12-12-08 PM	2800-028	1-0009	0-0035	0-0035	14-41	13-85	0-00	70-40	80-37	6-28
12-12-09 PM	2800-013	1-0004	0-0030	0-0030	14-41	13-84	0-00	70-39	80-37	6-28
12-12-10 PM	2800-015	1-0009	0-0030	0-0030	14-42	13-85	0-00	70-38	80-36	6-28
12-12-11 PM	2800-027	1-0008	0-0030	0-0030	14-46	13-84	0-00	70-37	80-34	6-28
12-12-12 PM	2800-012	14-3473	0-0036	0-0036	14-46	13-85	0-02	70-32	80-37	6-27
12-12-13 PM	2800-026	1-0005	0-0030	0-0030	14-48	13-85	0-12	70-31	80-36	6-28
12-12-14 PM	2800-028	1-0009	0-0035	0-0035	14-41	13-84	0-00	70-28	80-37	6-28
12-12-15 PM	2800-013	1-0004	0-0030	0-0030	14-41	13-84	0-00	70-27	80-36	6-28
12-12-16 PM	2800-019	0-0007	0-0031	0-0030	14-41	13-84	0-00	70-26	80-35	6-28
12-12-17 PM	2800-010	0-0014	0-0030	0-0030	14-42	13-84	0-00	70-25	80-34	6-28
12-12-18 PM	2800-004	0-0005	0-0030	0-0030	14-44	13-85	0-00	70-24	80-33	6-28
12-12-19 PM	2800-021	0-0006	0-0030	0-0030	14-41	13-85	0-00	70-23	80-32	6-28
12-12-20 PM	2800-003	1-0007	0-0031	0-0030	14-41	13-87	0-00	70-24	80-32	6-28
12-12-21 PM	2800-016	0-0007	0-0031	0-0030	14-42	13-85	0-00	70-23	80-31	6-28
12-12-22 PM	2800-019	0-0008	0-0031	0-0030	14-42	13-84	0-00	70-22	80-30	6-28
12-12-23 PM	2800-010	0-0005	0-0030	0-0030	14-44	13-85	0-00	70-21	80-31	6-28
12-12-24 PM	2800-003	1-0005	0-0030	0-0030	14-41	13-85	0-00	70-20	80-30	6-28
12-12-25 PM	2800-021	0-0007	0-0031	0-0030	14-41	13-85	0-00	70-19	80-29	6-28
12-12-26 PM	2800-011	0-0007	0-0031	0-0030	14-42	13-85	0-00	70-18	80-28	6-28
12-12-27 PM	2800-019	0-0008	0-0031	0-0030	14-42	13-84	0-00	70-17	80-27	6-28
12-12-28 PM	2800-023	1-0003	0-0031	0-0030	14-42	13-84	0-00	70-16	80-26	6-28
12-12-29 PM	2800-012	0-0005	0-0030	0-0030	14-43	13-85	0-00	70-15	80-25	6-28
12-12-30 PM	2800-003	1-0005	0-0030	0-0030	14-41	13-85	0-00	70-14	80-24	6-28
12-12-31 PM	2800-021	0-0007	0-0031	0-0030	14-42	13-84	0-00	70-13	80-23	6-28
12-13-01 PM	2800-019	0-0008	0-0031	0-0030	14-42	13-84	0-00	70-12	80-22	6-28
12-13-02 PM	2800-010	0-0005	0-0030	0-0030	14-44	13-85	0-00	70-11	80-21	6-28
12-13-03 PM	2800-003	1-0005	0-0030	0-0030	14-41	13-85	0-00	70-10	80-20	6-28
12-13-04 PM	2800-026	0-0004	0-0030	0-0030	14-41	13-85	0-00	70-09	80-19	6-28
12-13-05 PM	2800-022	0-0006	0-0030	0-0030	14-42	13-84	0-00	70-08	80-18	6-28
12-13-06 PM	2800-026	0-0005	0-0030	0-0030	14-41	13-85	0-00	70-07	80-17	6-28
12-13-07 PM	2800-022	0-0007	0-0030	0-0030	14-42	13-84	0-00	70-06	80-16	6-28
12-13-08 PM	2800-021	0-0008	0-0031	0-0030	14-42	13-84	0-00	70-05	80-15	6-28
12-13-09 PM	2800-011	0-0007	0-0031	0-0030	14-42	13-84	0-00	70-04	80-14	6-28
12-13-10 PM	2800-019	0-0008	0-0031	0-0030	14-42	13-84	0-00	70-03	80-13	6-28
12-13-11 PM	2800-010	0-0005	0-0030	0-0030	14-43	13-85	0-00	70-02	80-12	6-28
12-13-12 PM	2800-003	1-0005	0-0030	0-0030	14-41	13-85	0-00	70-01	80-11	6-28
12-13-13 PM	2800-026	0-0004	0-0030	0-0030	14-41	13-85	0-00	70-00	80-10	6-28
12-13-14 PM	2800-022	0-0006	0-0030	0-0030	14-42	13-84	0-00	70-09	80-09	6-28
12-13-15 PM	2800-021	0-0007	0-0031	0-0030	14-42	13-84	0-00	70-08	80-08	6-28
12-13-16 PM	2800-011	0-0006	0-0031	0-0030	14-42	13-84	0-00	70-07	80-07	6-28
12-13-17 PM	2800-019	0-0007	0-0031	0-0030	14-42	13-84	0-00	70-06	80-06	6-28
12-13-18 PM	2800-010	0-0005	0-0030	0-0030	14-43	13-85	0-00	70-05	80-05	6-28
12-13-19 PM	2800-003	1-0005	0-0030	0-0030	14-41	13-85	0-00	70-04	80-04	6-28
12-13-20 PM	2800-026	0-0004	0-0030	0-0030	14-41	13-85	0-00	70-03	80-03	6-28
12-13-21 PM	2800-022	0-0006	0-0030	0-0030	14-42	13-84	0-00	70-02	80-02	6-28
12-13-22 PM	2800-021	0-0007	0-0031	0-0030	14-42	13-84	0-00	70-01	80-01	6-28
12-13-23 PM	2800-011	0-0006	0-0031	0-0030	14-42	13-84	0-00	70-00	80-00	6-28
12-13-24 PM	2800-019	0-0007	0-0031	0-0030	14-42	13-84	0-00	70-09	80-09	6-28
12-13-25 PM	2800-010	0-0005	0-0030	0-0030	14-43	13-85	0-00	70-08	80-08	6-28
12-13-26 PM	2800-003	1-0005	0-0030	0-0030	14-41	13-85	0-00	70-07	80-07	6-28
12-13-27 PM	2800-026	0-0004	0-0030	0-0030	14-41	13-85	0-00	70-06	80-06	6-28
12-13-28 PM	2800-022	0-0006	0-0030	0-0030	14-42	13-84	0-00	70-05	80-05	6-28
12-13-29 PM	2800-021	0-0007	0-0031	0-0030	14-42	13-84	0-00	70-04	80-04	6-28
12-13-30 PM	2800-011	0-0006	0-0031	0-0030	14-42	13-84	0-00	70-03	80-03	6-28
12-13-31 PM	2800-019	0-0007	0-0031	0-0030	14-42	13-84	0-00	70-02	80-02	6-28
12-14-01 PM	2800-010	0-0005	0-0030	0-0030	14-43	13-85	0-00	70-01	80-01	6-28
12-14-02 PM	2800-003	1-0005	0-0030	0-0030	14-41	13-85	0-00	70-00	80-00	6-28
12-14-03 PM	2800-026	0-0004	0-0030	0-0030	14-41	13-85	0-00	70-09	80-09	6-28
12-14-04 PM	2800-022	0-0006	0-0030	0-0030	14-42	13-84	0-00	70-08	80-08	6-28
12-14-05 PM	2800-021	0-0007	0-0031	0-0030	14-42	13-84	0-00	70-07	80-07	6-28
12-14-06 PM	2800-011	0-0006	0-0031	0-0030	14-42	13-84	0-00	70-06	80-06	6-28
12-14-07 PM	2800-019	0-0007	0-0031	0-0030	14-42	13-84	0-00	70-05	80-05	6-28
12-14-08 PM	2800-010	0-0005	0-0030	0-0030	14-43	13-85	0-00	70-04	80-04	6-28
12-14-09 PM	2800-003	1-0005	0-0030	0-0030	14-41	13-85	0-00	70-03	80-03	6-28
12-14-10 PM	2800-026	0-0004	0-0030	0-0030	14-41	13-85	0-00	70-02	80-02	6-28
12-14-11 PM	2800-022	0-0006	0-0030	0-0030	14-42	13-84	0-00	70-01	80-01	6-28
12-14-12 PM	2800-021	0-0007	0-0031	0-0030	14-42	13-84	0-00	70-00	80-00	6-28
12-14-13 PM	2800-011	0-0006	0-0031	0-0030	14-42	13-84	0-00	70-09	80-09	6-28
12-14-14 PM	2800-019	0-0007	0-0031	0-0030	14-42	13-84	0-00	70-08	80-08	6-28
12-14-15 PM	2800-010	0-0005	0-0030	0-0030	14-43	13-85	0-00	70-07	80-07	6-28
12-14-16 PM	2800-003	1-0005	0-0030	0-0030	14-41	13-85	0-00	70-06	80-06	6-28
12-14-17 PM	2800-026	0-0004	0-0030	0-0030	14-41	13-85	0-00	70-05	80-05	6-28
12-14-18 PM	2800-022	0-0006	0-0030	0-0030	14-42	13-84	0-00	70-04	80-04	6-28
12-14-19 PM	2800-021	0-0007	0-0031	0-0030	14-42	13-84	0-00	70-03	80-03	6-28
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12-14-22 PM	2800-010	0-0005	0-0030	0-0030	14-43	13-85	0-00	70-00	80-00	6-28
12-14-23 PM	2800-003	1-0005	0-0030	0-0030	14-41	13-85	0-00	70-09	8	

10220010 102000 Date											
12-15-24 PM	3226-003	8-7371	0-0059	0-7007	14-40	003	000	87-20	12-66	78-42	
12-16-02 PM	3240-002	8-7080	0-0034	0-8814	14-45	003	000	87-40	12-66	78-46	
12-16-07 PM	3246-002	8-7052	0-0034	0-7146	14-45	003	000	87-52	12-23	78-42	
12-16-12 PM	3254-002	0-0038	0-0034	0-6004	14-45	003	000	87-34	79-01	78-38	
12-16-17 PM	3264-008	0-0038	0-0035	0-5788	14-45	003	000	87-18	71-81	78-21	
12-16-22 PM	3268-018	0-0038	0-0037	0-6005	14-45	003	000	87-29	71-60	78-10	
12-16-27 PM	3268-004	0-0037	0-0036	0-7170	14-45	003	000	87-31	71-37	78-13	
12-16-32 PM	3268-003	0-0036	0-0032	0-6005	14-45	003	000	87-21	71-19	78-02	
12-16-37 PM	3275-001	8-4076	0-0034	0-6007	14-45	003	000	87-56	70-67	78-30	
12-16-42 PM	3280-002	8-7376	0-0030	0-7256	14-45	003	000	87-42	70-74	78-47	
12-16-47 PM	3285-002	8-7076	0-0037	0-7026	14-45	003	000	87-20	70-51	78-09	
12-16-52 PM	3290-016	8-7388	0-0039	0-7002	14-45	003	000	87-11	70-31	77-09	
12-16-57 PM	3295-015	8-7005	0-0032	0-7003	14-45	003	000	87-17	70-13	77-14	
12-17-02 PM	3298-007	8-7007	0-0037	0-7738	14-45	003	000	87-03	68-89	77-00	
12-17-07 PM	3305-000	4-7217	0-0030	0-7002	14-45	003	000	87-08	68-98	77-02	
12-17-12 PM	3308-004	8-7376	0-0034	0-6002	14-45	003	000	86-56	68-30	77-04	
12-17-17 PM	3315-021	8-7221	0-0037	0-7071	14-45	003	000	86-92	68-29	77-04	
12-17-22 PM	3324-002	8-7061	0-0046	0-6000	14-45	003	000	86-94	68-37	77-10	
12-17-27 PM	3325-000	8-7008	0-0034	0-6000	14-45	003	000	86-97	68-30	77-10	
12-17-32 PM	3328-011	8-6579	0-0011	0-5708	14-45	003	000	87-01	68-02	77-03	
12-17-37 PM	3328-002	8-6484	0-0009	0-6004	14-45	002	000	86-94	68-12	77-10	
12-17-42 PM	3330-021	8-3076	0-0037	0-4077	14-45	002	000	86-80	68-34	77-13	
12-17-47 PM	3345-002	8-6581	0-0037	0-6005	14-47	002	000	86-89	68-34	77-10	
12-17-52 PM	3347-000	8-9411	0-0037	0-7004	14-45	002	000	86-47	68-02	76-02	
12-17-57 PM	3355-003	8-6182	0-0038	0-6000	14-45	002	000	86-45	68-15	76-02	
12-18-02 PM	3368-004	8-6122	0-0037	0-6003	14-45	002	000	86-22	68-32	76-25	
12-18-07 PM	3368-012	8-2662	0-0033	2-7028	14-39	025	001	76-24	68-38	76-49	
12-18-12 PM	3374-011	3-3436	0-0078	3-4236	14-29	023	001	75-34	68-31	76-44	
12-18-17 PM	3376-025	3-2488	0-0076	3-1656	14-35	023	000	71-34	68-29	76-29	
12-18-22 PM	3380-008	3-2447	0-0037	2-5246	14-34	015	000	82-86	67-04	70-08	
12-18-27 PM	3385-020	2-7060	0-0037	2-7016	14-25	021	000	86-03	67-04	70-15	
12-18-32 PM	3388-017	2-7060	0-0037	2-7006	14-08	017	001	86-06	68-36	76-14	
12-18-37 PM	3389-005	2-6180	0-0030	2-2005	14-29	017	001	86-34	68-44	76-18	
12-18-42 PM	3398-034	2-5577	0-0037	2-6166	14-35	018	001	91-51	68-26	76-10	
12-18-47 PM	3400-004	2-6046	0-0038	2-2547	14-32	022	001	86-48	68-07	76-34	
12-18-52 PM	3404-046	5-1721	0-0047	5-2542	13-81	0-05	002	96-38	66-84	76-44	
12-18-57 PM	3415-025	11-2776	0-0040	10-3546	15-82	3-08	0-02	86-60	83-91	76-28	
12-19-02 PM	3425-023	2-6584	0-0035	2-2006	14-32	011	0-01	104-48	63-58	76-12	
12-19-07 PM	3425-037	2-6196	0-0031	2-5106	14-26	0-06	0-01	111-46	63-26	76-44	
12-19-12 PM	3438-022	2-5880	0-0038	2-5800	14-35	0-06	0-01	116-21	62-98	76-00	
12-19-17 PM	3438-022	1-3887	0-0038	1-6045	14-35	0-06	0-01	118-82	62-72	76-23	
12-19-22 PM	3440-023	1-3281	0-0038	0-9886	14-35	0-06	0-01	119-51	62-47	76-12	
12-19-27 PM	3445-011	1-4203	0-0031	1-1079	14-25	0-06	0-01	110-97	62-36	76-02	
12-19-32 PM	3450-045	1-4061	0-0036	0-8006	14-41	0-06	0-01	110-40	62-15	76-57	
12-19-37 PM	3455-004	1-3886	0-0038	0-8861	14-36	0-06	0-01	110-42	62-39	76-29	
12-19-42 PM	3460-003	2-6438	0-0034	1-3804	14-38	0-06	0-01	117-32	62-87	76-05	
12-19-47 PM	3468-021	1-3638	0-0033	0-7764	14-44	0-06	0-01	115-59	61-82	76-16	
12-19-52 PM	3478-01	1-0538	0-0038	0-5600	14-49	0-06	0-01	114-24	61-73	83-54	
12-19-57 PM	3478-06	1-1526	0-0030	0-5287	14-46	0-06	0-01	113-82	61-76	74-12	
12-20-02 PM	3480-019	1-1807	0-0033	0-0903	14-39	0-06	0-01	113-32	61-20	76-48	
12-20-07 PM	3486-003	0-4264	0-0217	0-0010	14-45	1231	0-00	102-30	62-13	77-60	
12-20-12 PM	3490-026	0-4104	0-4114	0-0036	14-47	1204	0-00	101-86	62-22	77-58	
12-20-17 PM	3495-014	0-3608	0-2301	0-0014	14-46	1141	0-00	100-31	62-16	73-74	
12-20-22 PM	3499-006	5-2313	0-4732	4-4605	14-36	1256	0-02	106-70	62-14	72-00	

## 1122am to 1229pm Date

12:20:27 PM	3606.023	2.8375	0.4556	2.7565	14.24	13.50	8.01	104.67	63.92	72.51
12:20:32 PM	3610.022	1.8896	0.4755	1.2758	14.38	13.82	8.00	108.42	63.48	72.57
12:20:37 PM	3615.022	1.5459	0.4736	1.0008	14.38	13.88	8.03	92.41	63.94	71.11
12:20:42 PM	3619.911	1.4528	0.4848	1.1238	14.34	13.88	8.04	95.12	64.05	72.53
12:20:47 PM	3625.047	1.8952	0.4658	1.4765	14.32	13.73	8.01	94.08	64.17	71.98
12:20:52 PM	3629.054	1.2988	0.4748	1.0525	14.43	14.02	8.05	83.10	64.38	71.78
12:20:57 PM	3635.054	1.2987	0.4745	0.7367	14.48	13.88	8.00	82.42	64.19	72.32
12:21:02 PM	3640.043	1.2976	0.4693	0.5993	14.48	13.88	8.00	91.82	63.87	72.38
12:21:07 PM	3645.025	1.1989	0.4774	0.7000	14.41	13.92	8.00	91.16	64.61	71.87
12:21:12 PM	3650.01	1.1239	0.4703	0.6245	14.43	13.88	8.00	80.49	64.32	71.97
12:21:17 PM	3655.00	1.4626	0.4996	0.5941	14.42	13.97	8.00	80.95	64.36	72.44
12:21:22 PM	3660.022	1.1611	0.4646	0.6029	14.42	13.94	8.00	80.46	64.25	72.38
12:21:27 PM	3665.079	1.2977	0.4671	0.6970	14.44	14.08	8.00	80.05	64.39	72.15
12:21:32 PM	3670.044	0.8899	0.4884	0.5467	14.48	14.04	8.00	80.63	64.66	71.87
12:21:37 PM	3675.024	0.8962	0.4769	0.6266	14.37	14.21	8.00	80.45	64.80	72.62
12:21:42 PM	3680.056	0.8994	0.4755	0.6011	14.46	14.17	8.00	80.12	64.51	72.41
12:21:47 PM	3685.045	0.4246	0.4769	0.6001	14.48	14.08	8.00	80.75	64.10	72.11
12:21:52 PM	3690.023	0.8611	0.4738	0.6011	14.45	13.98	8.00	80.03	64.24	72.63
12:21:57 PM	3695.022	1.1984	0.4142	2.1007	14.38	13.82	8.00	82.17	63.85	72.72
12:22:02 PM	3700.04	3.2016	0.4653	2.0867	14.35	13.88	8.00	82.90	67.51	66.67
12:22:07 PM	3705.022	2.2985	0.4631	1.9782	14.32	13.80	8.01	84.09	67.54	71.21
12:22:12 PM	3710.026	1.5951	0.4661	1.5895	14.37	14.00	8.00	85.11	67.79	73.11
12:22:17 PM	3715.036	1.2924	0.4726	1.3425	14.41	14.03	8.00	85.71	67.82	74.21
12:22:22 PM	3720.022	1.4199	0.4655	1.7026	14.39	13.92	8.00	82.52	68.12	75.39
12:22:27 PM	3725.022	1.1667	0.4699	1.1401	14.38	14.16	8.00	87.27	68.47	76.16
12:22:32 PM	3730.023	1.3379	0.4655	1.2882	14.41	14.08	8.00	87.41	68.52	75.14
12:22:37 PM	3735.00	1.5265	0.4697	1.3288	14.38	14.08	8.00	87.39	68.67	76.08
12:22:42 PM	3740.01	1.2955	0.4661	0.8691	14.37	14.08	8.00	88.38	68.99	76.74
12:22:47 PM	3745.013	1.7855	0.4771	0.8691	14.41	14.12	8.00	88.94	68.91	76.63
12:22:52 PM	3750.032	1.2295	0.4654	0.7795	14.42	14.14	8.00	87.66	68.93	74.68
12:22:57 PM	3755.01	1.5259	0.4697	0.8697	14.39	14.08	8.00	87.47	68.11	74.38
12:23:02 PM	3760.045	1.4606	0.4653	0.6796	14.41	14.12	8.00	87.27	68.26	73.82
12:23:07 PM	3765.023	1.4653	0.4669	1.1657	14.35	14.08	8.00	87.20	68.21	74.13
12:23:12 PM	3770.00	1.5299	0.4646	0.6957	14.46	14.14	8.00	87.05	68.36	74.34
12:23:17 PM	3775.024	1.5295	0.4671	0.6942	14.39	14.23	8.00	88.33	68.14	72.66
12:23:22 PM	3780.021	1.8011	0.4678	1.2881	14.39	13.72	8.01	87.45	68.01	73.18
12:23:27 PM	3785.002	2.2727	0.4655	1.2488	14.44	14.10	8.00	87.04	68.86	73.62
12:23:32 PM	3788.022	1.5983	0.4650	1.1263	14.38	14.08	8.00	87.39	68.56	73.72
12:23:37 PM	3793.01	1.4696	0.4651	1.2813	14.38	14.08	8.00	88.04	68.72	74.36
12:23:42 PM	3798.021	1.2923	0.4693	1.1406	14.40	14.11	8.00	88.93	68.73	74.54
12:23:47 PM	3803.018	1.2899	0.4655	0.9457	14.44	14.22	8.00	88.92	68.70	73.51
12:23:52 PM	3808.002	1.2651	0.4650	0.7088	14.41	14.17	8.00	88.37	68.85	73.67
12:23:57 PM	3813.024	1.2652	0.4650	0.8327	14.41	14.14	8.00	87.60	70.61	74.32
12:24:02 PM	3778.013	1.2712	0.4638	0.8226	14.41	14.17	8.00	87.87	70.22	72.77
12:24:07 PM	3783.043	1.3681	0.4646	0.7688	14.41	14.17	8.00	87.58	70.21	73.97
12:24:12 PM	3788.022	1.1108	0.4655	0.7217	14.44	14.29	8.00	87.80	70.34	74.93
12:24:17 PM	3793.01	1.3276	0.4649	0.8288	14.42	14.18	8.00	87.83	70.34	74.98
12:24:22 PM	3798.041	1.1548	0.4628	0.9656	14.42	14.26	8.00	88.70	70.40	75.03
12:24:27 PM	3803.025	1.0388	0.4626	0.6185	14.49	14.15	8.00	85.73	70.53	74.88
12:24:32 PM	3808.004	0.9551	0.4641	0.5288	14.41	14.22	8.00	88.11	70.71	74.77
12:24:37 PM	3813.022	1.1474	0.4628	0.6670	14.41	14.21	8.00	85.98	70.79	75.23
12:24:42 PM	3818.014	1.1625	0.4610	0.6626	14.41	14.20	8.00	85.29	70.66	75.71
12:24:47 PM	3823.041	1.0915	0.4617	0.6034	14.42	14.21	8.00	86.11	70.68	75.27
12:24:52 PM	3773.002	1.0212	0.4604	0.5530	14.39	14.15	8.00	85.99	71.08	74.71

## 11:25am to 12:30pm Data

12-24-57 PM	3475.822	1.082	0.4902	0.6944	14.43	14.21	0.00	05.35	71.11	74
12-25-00 PM	3476.628	1.071	0.4951	0.6954	14.40	14.21	0.00	05.29	71.09	73.94
12-25-07 PM	3476.612	1.067	0.4959	0.6944	14.44	14.24	0.00	04.79	71.13	74.32
12-25-12 PM	3476.604	2.4735	0.4947	0.6909	14.32	13.58	0.00	03.21	71.05	76.16
12-25-17 PM	3476.604	2.4366	0.4919	0.6653	14.38	13.76	0.01	01.94	71.20	74.45
12-25-22 PM	3476.612	2.7002	0.4933	0.6426	14.35	14.01	0.01	02.32	71.21	76.11
12-26-07 PM	3486.844	1.081	0.4959	0.6918	14.32	14.05	0.01	04.73	71.03	74.12
12-26-20 PM	3486.822	2.2616	0.4952	0.6973	14.36	14.01	0.01	06.70	71.46	74.42
12-26-27 PM	3486.844	2.1717	0.4958	0.7005	14.38	13.98	0.01	06.26	71.30	80.85
12-26-42 PM	3486.825	2.2688	0.4958	0.6999	14.35	13.99	0.01	06.32	71.58	80.21
12-26-47 PM	3486.844	1.0805	0.4958	0.6913	14.31	13.98	0.01	02.82	71.09	82.48
12-26-52 PM	3486.842	1.0807	0.4958	0.6904	14.35	13.92	0.01	06.59	71.01	87.68
12-26-57 PM	3486.822	1.0807	0.4957	0.6902	14.37	14.05	0.01	06.42	71.61	87.21
12-26-59 PM	3486.847	1.0807	0.4954	0.6907	14.39	13.70	0.01	05.73	71.01	87.57
12-26-02 PM	3486.847	2.2688	0.4958	0.7003	14.33	13.98	0.01	06.81	71.39	92.44
12-26-12 PM	3486.832	2.9715	0.4952	0.6994	14.29	13.76	0.01	04.21	71.01	88.82
12-26-17 PM	3486.828	2.7652	0.4957	0.6941	14.30	14.03	0.01	06.87	71.98	85.38
12-26-22 PM	3486.841	2.7071	0.4957	0.6936	14.39	13.99	0.01	06.88	71.00	84.76
12-26-27 PM	3486.848	1.0803	0.4953	0.6928	14.38	14.08	0.01	06.82	72.08	84.45
12-26-32 PM	3486.822	2.4978	0.4955	0.6903	14.36	14.15	0.01	05.75	71.97	81.61
12-26-37 PM	3486.822	2.8657	0.4957	0.6985	14.35	14.16	0.01	06.87	72.88	83.56
12-26-42 PM	3486.822	4.0524	0.4957	0.6974	14.17	13.84	0.02	05.70	72.11	82.36
12-26-47 PM	3486.844	1.0803	0.4958	0.6925	14.39	13.94	0.01	06.85	72.14	87.39
12-26-52 PM	3486.828	2.5153	0.4958	0.6970	14.35	14.10	0.01	04.89	72.19	80.92
12-26-57 PM	3486.837	2.2705	0.4954	0.6927	14.36	14.05	0.01	04.58	72.27	81.17
12-27-02 PM	3486.822	2.8707	0.4955	0.6987	14.30	14.15	0.01	04.69	72.35	78.76
12-27-07 PM	3486.822	2.8111	0.4955	0.6987	14.39	14.08	0.01	04.58	72.41	78.88
12-27-12 PM	3486.822	2.4687	0.4952	0.6955	14.36	14.13	0.01	04.54	72.46	78.09
12-27-17 PM	3486.828	4.5008	0.4941	0.6991	14.75	14.41	0.01	02.44	72.33	72.32
12-27-22 PM	3486.846	2.5178	0.4958	0.7002	14.36	14.09	0.01	02.95	71.54	77.82
12-27-27 PM	3486.847	2.8638	0.4958	0.6991	14.36	14.06	0.01	03.48	72.81	77.16
12-27-32 PM	3486.846	2.8208	0.4958	0.6936	14.38	13.96	0.01	03.65	72.88	78.88
12-27-37 PM	3486.846	2.8171	0.4952	0.6974	14.31	14.13	0.01	04.83	72.70	78.38
12-27-42 PM	3486.828	1.0812	0.4957	0.6940	14.39	14.06	0.01	04.44	72.98	78.84
12-27-47 PM	3486.846	2.2688	0.4957	0.6979	14.36	14.03	0.01	03.86	72.87	78.16
12-27-52 PM	3486.828	2.5111	0.4958	0.6989	14.35	14.06	0.01	03.78	72.85	78.98
12-27-57 PM	3486.828	2.5108	0.4950	0.6971	14.33	14.04	0.01	03.27	72.24	78.48
12-28-02 PM	3486.842	2.8123	0.4953	0.6983	14.38	13.98	0.01	03.55	72.38	77.87
12-28-07 PM	3486.828	2.7492	0.4953	0.6971	14.39	14.05	0.01	04.83	72.36	78.36
12-28-12 PM	3486.823	2.1404	0.4957	0.7003	14.37	13.94	0.01	04.29	72.44	77.88
12-28-17 PM	3486.828	1.8802	0.4958	0.6975	14.38	14.10	0.01	05.89	73.51	78.39
12-28-22 PM	3486.822	1.5684	0.4949	0.6933	14.36	13.98	0.08	75.77	70.43	77.43
12-28-27 PM	3486.837	1.7672	0.4953	0.6988	14.33	14.03	0.01	75.88	73.38	77.33
12-28-32 PM	3486.816	1.4026	0.4958	0.6989	14.39	14.05	0.08	76.70	73.65	77.58
12-28-37 PM	3486.828	1.6521	0.4955	0.6955	14.33	14.11	0.08	75.92	73.13	84.87
12-28-42 PM	3486.824	1.4704	0.4949	0.6979	14.38	14.16	0.08	74.46	72.63	87.37
12-28-47 PM	3486.811	1.4288	0.4953	0.6982	14.38	14.06	0.08	77.44	72.83	89.34
12-28-52 PM	3486.841	2.1609	0.4946	0.6914	14.34	13.92	0.01	74.05	72.85	87.37
12-28-57 PM	3486.826	2.5408	0.4953	0.6931	14.19	14.03	0.01	72.58	72.82	86.55
12-29-02 PM	3486.806	2.2304	0.4954	0.6958	14.34	14.08	0.01	72.71	72.86	86.46
12-29-07 PM	3486.828	1.8384	0.4942	0.6948	14.39	14.14	0.08	72.72	73.07	81.46
12-29-12 PM	3486.816	1.8682	0.4954	0.6936	14.38	14.09	0.08	74.86	73.06	82.28
12-29-17 PM	3486.822	1.7639	0.4957	0.6939	14.36	14.08	0.08	75.61	73.12	87.98
12-29-22 PM	3486.834	1.8802	0.4954	0.6934	14.19	14.09	0.08	75.89	73.18	82.88

## 1122am to 1208pm Data

12-20-27 PM	4006.913	1.5631	0.000	1.1007	04.38	13.38	0.00	76.50	73.75	87.94
12-20-32 PM	4006.903	1.5521	0.000	1.2018	04.43	13.43	0.00	76.62	73.82	87.52
12-20-37 PM	4006.906	1.5520	0.0113	1.3009	04.38	13.53	0.00	77.60	73.37	89.42
12-20-42 PM	4006.914	1.7000	0.0400	1.4000	04.49	14.00	0.00	77.26	73.44	82.61
12-20-47 PM	4006.902	1.7063	0.0407	1.3009	04.37	14.12	0.00	77.57	73.50	81.46
12-20-52 PM	4006.903	1.5677	0.0400	1.2005	04.26	14.04	0.00	77.64	73.54	81.16
12-20-57 PM	4006.912	2.0016	0.0407	1.0001	04.38	14.34	0.01	77.53	73.92	80.58
12-21-02 PM	4007.004	1.7207	0.0432	1.4001	04.38	14.34	0.01	77.68	73.89	80.71
12-21-07 PM	4006.927	2.2007	0.0504	2.3027	04.32	14.12	0.01	77.68	73.74	80.75
12-21-12 PM	4006.911	1.9004	0.0516	1.4000	04.33	14.26	0.01	77.71	73.82	80.58
12-21-17 PM	4006.911	2.1004	0.0500	1.6071	04.36	14.36	0.01	77.86	73.88	80.85
12-21-22 PM	4006.922	2.3013	0.0407	1.2000	04.31	15.42	0.01	76.26	73.91	80.61
12-21-27 PM	4006.902	2.2000	0.0400	1.0000	04.27	13.84	0.01	76.68	73.06	80.75
12-21-32 PM	4006.920	2.0000	0.0400	1.2000	04.23	14.10	0.01	76.61	74.02	80.77
12-21-37 PM	4006.944	3.2000	0.0400	3.0076	04.31	14.86	0.01	79.36	74.08	80.98
12-21-42 PM	4006.902	2.0000	0.0414	1.8000	04.32	14.38	0.01	76.75	74.10	80.95
12-21-47 PM	4006.902	1.8000	0.0407	1.4010	04.38	14.80	0.01	76.88	74.16	80.95
12-21-52 PM	4006.916	1.6128	0.0400	1.2032	04.38	14.28	0.01	76.63	74.18	80.95
12-21-57 PM	4006.902	1.7200	0.0404	1.3006	04.36	14.10	0.01	76.87	74.26	80.95
12-21-02 PM	4006.902	1.8000	0.0400	1.4002	04.38	14.10	0.01	76.95	74.30	80.95
12-21-07 PM	4006.944	2.3000	0.0400	1.8000	04.39	14.16	0.01	79.36	74.42	80.98
12-21-12 PM	4006.945	1.8004	0.0415	0.8005	04.38	14.06	0.01	80.47	74.47	91.73
12-21-17 PM	4006.903	2.0074	0.0400	1.2003	04.37	14.89	0.01	80.19	74.49	82.46
12-21-22 PM	4006.908	1.8027	0.0400	1.4000	04.37	14.88	0.01	80.89	74.56	83.88
12-21-27 PM	4006.904	1.9061	0.0405	1.8000	04.38	14.12	0.00	80.58	74.69	80.71
12-21-32 PM	4006.902	2.1002	0.0400	1.2002	04.38	14.10	0.01	80.70	74.66	81.10
12-21-37 PM	4006.902	2.1002	0.0400	1.2002	04.38	14.10	0.01	80.70	74.66	81.10
12-21-42 PM	4006.905	2.3000	0.0400	1.8000	04.38	14.16	0.01	80.94	74.79	82.88
12-21-47 PM	4006.905	1.8004	0.0400	1.2002	04.38	14.38	0.01	81.38	74.75	82.51
12-21-52 PM	4006.911	1.8000	0.0404	1.4000	04.38	14.38	0.01	81.32	74.89	82.34
12-21-57 PM	4006.902	1.8000	0.0400	1.2000	04.38	14.88	0.01	81.33	74.86	82.27
12-22-02 PM	4006.932	1.7002	0.0407	1.2014	04.36	14.34	0.01	81.29	74.92	82.01
12-22-07 PM	4006.916	1.6016	0.0400	1.2016	04.27	14.15	0.01	81.42	74.66	81.91
12-22-12 PM	4006.903	2.3070	0.0400	2.3000	04.36	8.79	0.00	81.45	75.00	81.70
12-22-17 PM	4006.904	1.8000	0.0400	1.3007	04.36	14.16	0.01	81.89	76.46	81.58
12-22-22 PM	4006.901	2.3032	0.0400	1.8000	04.38	14.17	0.01	82.49	75.12	91.53
12-22-27 PM	4006.904	2.3000	0.0400	1.8000	04.38	14.38	0.01	82.23	75.17	91.80
12-22-32 PM	4006.902	1.8000	0.0400	1.2014	04.36	14.10	0.01	82.92	76.26	91.43
12-22-37 PM	4006.902	1.8000	0.0400	1.2016	04.37	14.31	0.01	82.47	75.24	91.12
12-22-42 PM	4006.903	1.8000	0.0400	1.2000	04.38	14.16	0.01	82.43	75.28	91.87
12-22-47 PM	4006.911	2.0000	0.0400	1.4000	04.38	14.38	0.01	82.29	75.32	92.56
12-22-52 PM	4006.902	1.8000	0.0404	1.4547	0.9002	14.20	0.01	82.18	76.36	92.03
12-22-57 PM	4006.919	1.8000	0.0400	1.8000	04.38	14.13	0.01	82.85	75.42	92.41
12-23-02 PM	4006.902	1.2000	0.0405	0.7046	04.41	14.40	0.00	82.49	76.47	92.88
12-23-07 PM	4006.901	1.1000	0.0405	1.0145	04.31	14.36	0.00	81.84	75.51	82.78
12-23-12 PM	4006.903	1.2000	0.0400	0.8000	04.38	14.38	0.00	81.85	76.52	82.67
12-23-17 PM	4006.902	1.2000	0.0400	0.8000	04.38	14.38	0.00	81.87	77.09	82.67
12-23-22 PM	4006.911	1.4000	0.0400	0.8000	04.38	13.93	0.00	81.36	77.75	82.68
12-23-27 PM	4006.916	1.5000	0.0407	1.1148	04.38	13.81	0.00	81.82	77.76	82.10
12-23-32 PM	4006.946	1.7000	0.0430	1.3617	04.38	13.94	0.01	81.94	77.17	81.77
12-23-37 PM	4006.926	2.2075	0.0400	1.7005	04.36	12.72	0.01	81.24	77.82	81.46
12-23-42 PM	4006.916	0.9000	0.0400	0.7213	04.42	14.87	0.00	81.85	77.69	82.67
12-23-47 PM	4006.902	1.2000	0.0400	0.8000	04.38	13.81	0.00	81.87	77.75	82.68
12-23-52 PM	4006.901	1.4000	0.0400	0.8000	04.38	13.93	0.00	81.36	77.76	82.10
12-23-57 PM	4006.902	1.2000	0.0400	0.8000	04.38	13.81	0.00	81.82	77.76	82.10
12-24-02 PM	4006.903	0.7000	0.0400	0.3016	04.44	14.34	0.00	82.85	77.20	92.71

## 1422pm to 1228pm Data

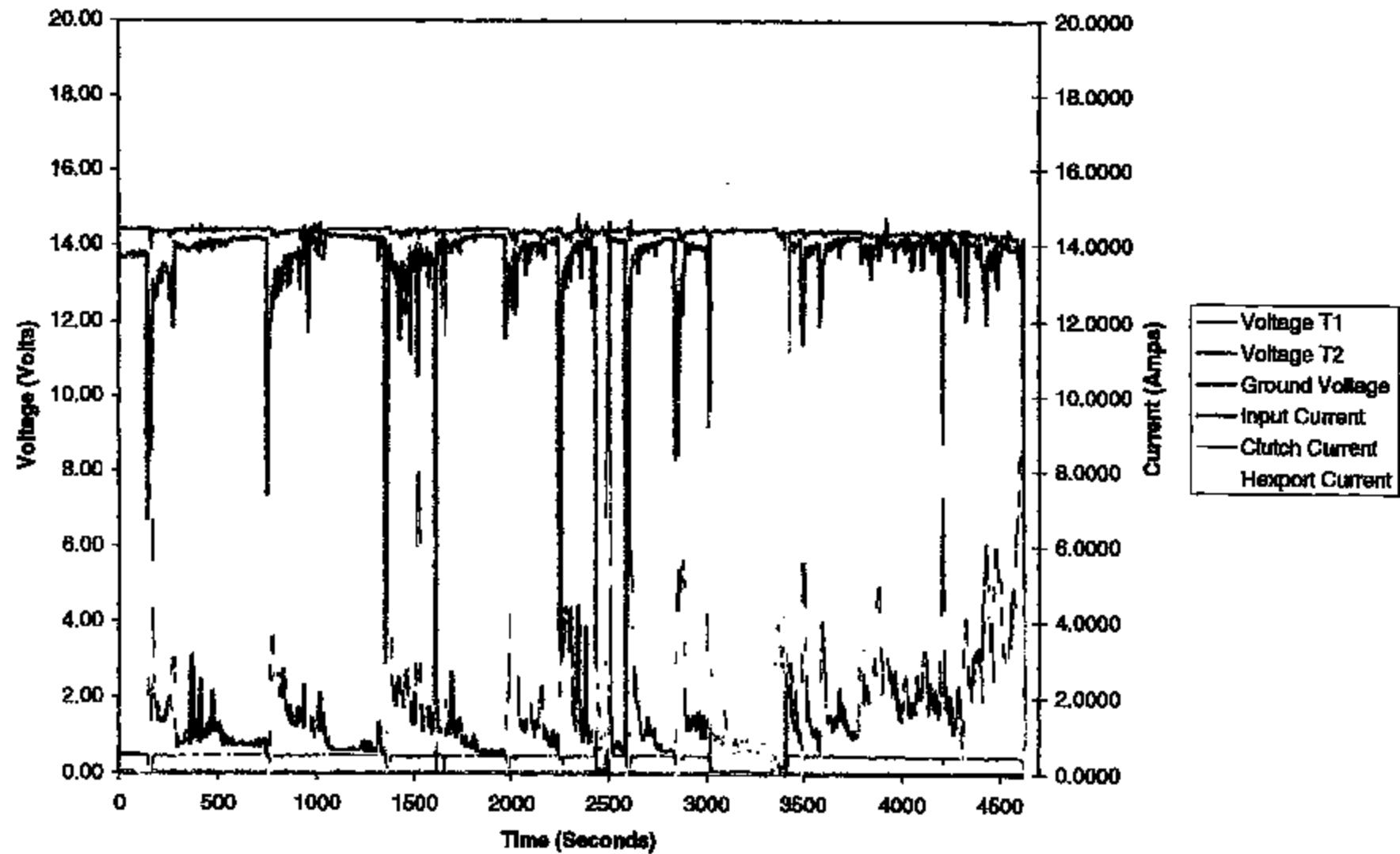
12:33:57 PM	4215-034	0.9487	0.4626	0.3945	14.44	14.27	0.00	0.04	19.00	0.42
12:34:02 PM	4215-043	0.7449	0.4530	0.3984	14.42	14.27	0.01	0.17	19.06	0.30
12:34:10 PM	4215-045	4.0005	0.4280	2.5103	14.29	14.07	0.01	0.42	19.41	0.28
12:34:12 PM	4215-053	2.0718	0.4484	1.9893	14.34	14.05	0.01	0.08	19.03	0.07
12:34:17 PM	4215-064	2.5005	0.4035	2.1005	14.48	14.16	0.01	0.36	19.05	0.05
12:34:22 PM	4215-074	2.0005	0.4220	2.2403	14.34	14.02	0.01	0.08	19.11	0.34
12:34:27 PM	4215-083	2.3001	0.4285	1.9827	14.32	14.08	0.01	0.20	19.05	0.42
12:34:30 PM	4215-092	2.1009	0.4450	1.7805	14.33	14.08	0.01	0.06	19.19	0.08
12:34:37 PM	4215-099	1.3003	0.4470	1.2805	14.28	14.08	0.01	0.24	19.24	0.34
12:34:47 PM	4215-109	2.8175	0.4495	1.6205	14.32	14.19	0.01	0.50	19.03	0.03
12:35:07 PM	4215-118	2.0004	0.4682	2.1005	14.34	14.08	0.01	0.10	19.24	0.71
12:35:09 PM	4215-142	5.1101	0.4485	2.4002	14.32	14.02	0.01	0.76	19.38	0.59
12:35:17 PM	4215-157	2.0005	0.4285	3.0005	14.24	13.92	0.01	0.27	19.42	0.44
12:35:20 PM	4215-162	2.3007	0.4467	2.7001	14.29	14.23	0.01	0.41	19.46	0.20
12:35:27 PM	4215-169	2.0005	0.4499	2.5004	14.21	14.04	0.01	0.23	19.49	0.08
12:35:32 PM	4215-176	2.3005	0.4437	2.8001	14.30	14.04	0.01	0.26	19.56	0.06
12:35:42 PM	4215-183	2.3005	0.4438	2.8000	14.32	14.08	0.01	0.28	19.61	0.04
12:35:45 PM	4215-192	2.3001	0.4297	1.9824	14.26	13.93	0.01	0.07	19.63	0.34
12:35:57 PM	4215-205	2.3005	0.4285	1.7005	14.28	13.92	0.01	0.02	19.67	0.30
12:36:02 PM	4215-206	1.2002	0.4277	1.7005	14.24	13.91	0.01	0.45	19.71	0.24
12:36:37 PM	4215-207	2.0007	0.4285	1.6001	14.39	14.31	0.01	0.01	19.72	0.50
12:36:42 PM	4215-209	4.0007	0.4693	2.4007	14.39	14.04	0.01	0.32	19.72	0.62
12:36:47 PM	4215-211	4.5003	0.4650	4.2003	14.34	0.45	0.02	0.60	19.74	0.21
12:36:52 PM	4215-213	4.0007	0.3867	3.0045	14.11	13.85	0.02	0.20	19.75	0.20
12:36:57 PM	4215-220	4.0007	0.4284	4.0003	14.26	13.93	0.01	0.22	19.77	0.26
12:36:59 PM	4215-221	1.7002	0.4281	2.2001	14.26	13.93	0.01	0.22	19.77	0.46
12:37:02 PM	4215-225	2.0005	0.4281	2.2000	14.26	13.93	0.01	0.22	19.77	0.52
12:37:10 PM	4215-226	2.0005	0.4284	2.2005	14.41	14.05	0.01	0.30	19.78	0.45
12:37:17 PM	4215-232	3.0001	0.4460	3.0044	14.21	13.41	0.02	0.58	19.82	0.88
12:37:22 PM	4215-233	2.3002	0.4422	3.0002	14.26	13.87	0.01	0.01	19.83	0.15
12:37:27 PM	4215-239	2.0005	0.4420	2.7007	14.21	13.95	0.01	0.46	19.88	0.64
12:37:32 PM	4215-240	2.3005	0.4445	1.6000	14.22	13.98	0.01	0.38	19.89	0.11
12:38:27 PM	4215-242	2.0002	0.4281	2.0000	14.32	14.05	0.01	0.28	19.90	0.48
12:38:42 PM	4215-243	5.0002	0.4284	5.0000	14.03	13.28	0.02	0.87	19.92	0.56
12:38:47 PM	4215-251	0.0001	0.4284	4.0001	14.11	12.89	0.02	0.04	19.94	0.49
12:38:52 PM	4215-252	4.0004	0.4282	3.0002	14.29	13.98	0.01	0.24	19.95	0.71
12:38:57 PM	4215-257	4.0004	0.4287	3.0002	14.29	13.98	0.01	0.24	19.95	0.71
12:39:01 PM	4215-261	5.1002	0.4285	5.0000	14.13	13.80	0.02	0.97	19.97	0.56
12:39:06 PM	4215-262	2.0005	0.4420	2.0000	14.21	13.95	0.01	0.28	19.98	0.00
12:39:10 PM	4215-263	2.0002	0.4281	2.0000	14.22	13.95	0.01	0.45	19.99	0.48
12:39:15 PM	4215-264	2.0005	0.4462	2.2007	14.30	14.00	0.01	0.26	19.99	0.63
12:39:17 PM	4215-265	2.0005	0.4423	3.0002	14.29	14.00	0.01	0.19	19.99	0.75
12:39:22 PM	4215-266	2.0005	0.4409	1.0002	14.33	14.00	0.01	0.37	19.99	0.54
12:39:27 PM	4215-267	2.0002	0.4446	2.0005	14.28	13.98	0.01	0.11	19.92	0.16
12:39:32 PM	4215-268	2.0005	0.4448	2.2013	14.32	14.04	0.01	0.38	19.97	0.53
12:39:37 PM	4215-269	2.7005	0.4404	3.0046	14.26	14.04	0.01	0.61	19.98	0.54
12:39:42 PM	4215-273	2.0005	0.4285	2.2005	14.45	14.04	0.01	0.79	19.93	0.32
12:39:47 PM	4215-288	2.0002	0.4432	2.3007	14.38	13.95	0.01	0.61	19.95	0.67
12:39:52 PM	4215-299	2.0005	0.4487	2.6016	14.31	13.98	0.01	0.56	19.98	0.46
12:39:57 PM	4215-305	2.0041	0.4487	2.1005	14.25	13.99	0.01	0.46	19.97	0.69
12:39:59 PM	4215-306	2.0005	0.4422	3.2178	14.26	13.94	0.01	0.54	19.98	0.59
12:40:04 PM	4215-308	4.4004	0.4286	3.0078	14.21	13.89	0.01	0.32	19.98	0.42
12:40:12 PM	4215-318	4.0004	0.4384	4.0008	14.21	13.89	0.02	0.36	19.97	0.39
12:40:17 PM	4215-329	4.0001	0.4419	3.0001	14.20	13.93	0.01	0.41	19.97	0.67
12:40:22 PM	4215-339	2.0004	0.4430	3.1400	14.26	14.02	0.01	0.66	19.97	0.81

## 122mm to 123mm Data

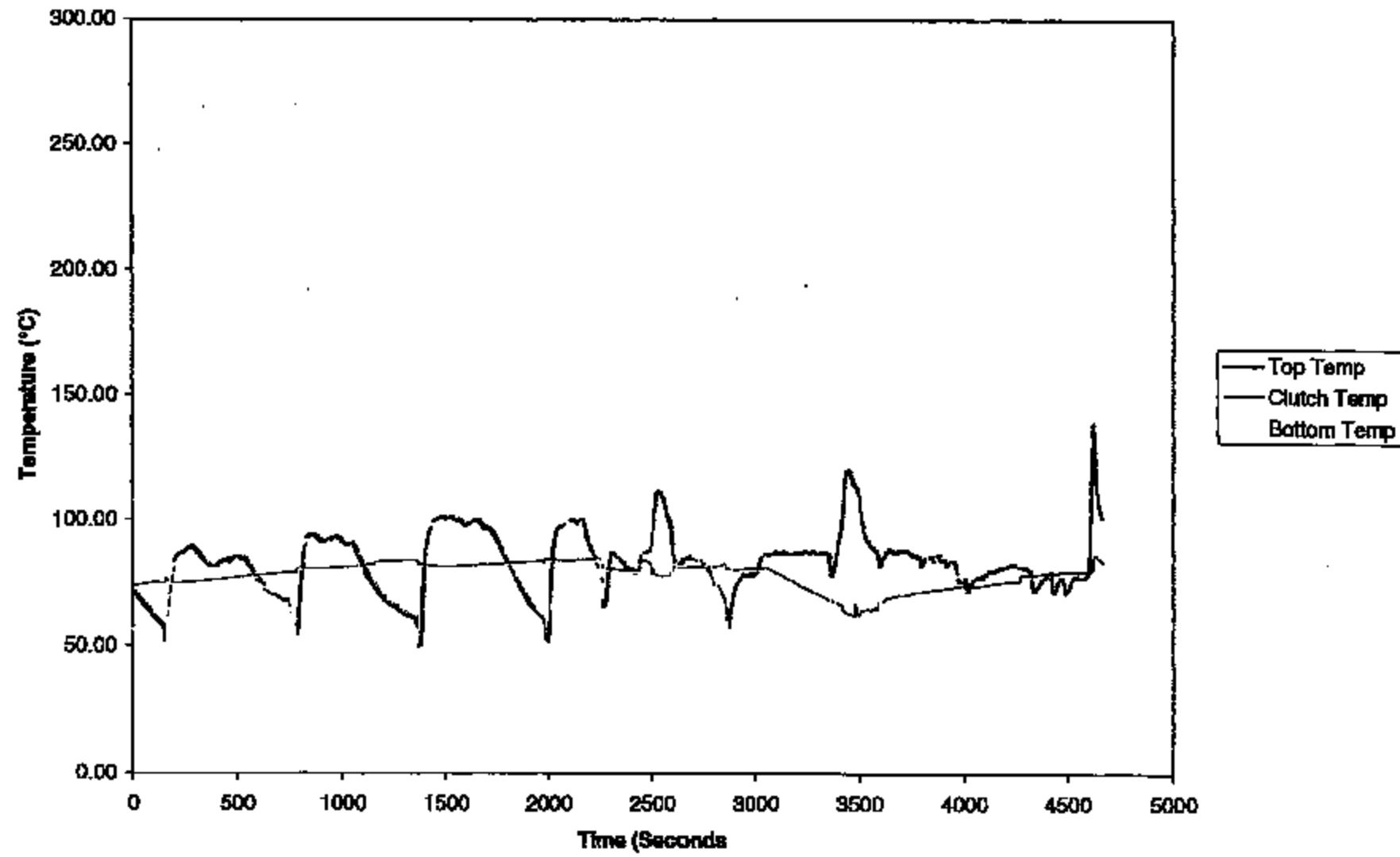
12:38:27 PM	4186.018	5.5488	0.4407	0.0580	04.15	13.82	0.32	77.86	79.45	130.86
12:38:32 PM	4186.020	5.7541	0.4380	0.3273	04.05	13.75	0.32	78.44	79.52	141.70
12:38:37 PM	4186.021	5.8805	0.4388	0.4221	04.08	13.70	0.32	78.97	79.54	143.86
12:38:42 PM	4186.016	7.1582	0.4328	0.4328	14.02	13.69	0.32	89.22	79.57	145.41
12:38:47 PM	4186.043	8.0655	0.4973	0.5250	03.92	13.81	0.32	83.88	79.61	124.46
12:38:52 PM	4186.025	8.2916	0.4328	0.3723	04.08	13.66	0.32	81.58	79.63	101.99
12:38:57 PM	4186.035	1.2598	0.4384	0.3800	04.26	13.77	0.31	113.97	79.64	241.89
12:38:58 PM	4186.048	8.2958	0.4374	0.4982	0.92	8.97	0.30	828.32	85.74	288.77
12:39:07 PM	4186.042	0.0007	0.4395	0.0021	0.01	0.01	0.30	130.42	85.80	258.50
12:39:12 PM	4186.042	0.0004	0.4371	0.0011	0.01	0.01	0.30	103.82	86.14	202.22
12:39:17 PM	4186.034	0.0002	0.4394	0.0021	0.00	0.00	0.30	110.35	86.23	218.85
12:39:22 PM	4186.026	0.0004	0.4384	0.0006	0.00	0.00	0.30	111.84	86.38	208.74
12:39:27 PM	4186.032	0.0001	0.4388	0.0016	0.00	0.00	0.30	100.89	86.49	181.79
12:39:32 PM	4186.049	0.0011	0.4391	0.0017	0.00	0.00	0.30	100.85	86.75	180.27
12:39:37 PM	4186.032	0.0001	0.4384	0.0006	0.00	0.00	0.30	100.38	86.86	180.40
12:39:42 PM	4186.037	0.0002	0.4380	0.0002	0.00	0.00	0.30	100.75	86.56	173.13
12:39:47 PM	4186.026	0.0002	0.4307	0.0002	0.00	0.00	0.30	101.17	86.24	167.06

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11:22AM to 12:39PM

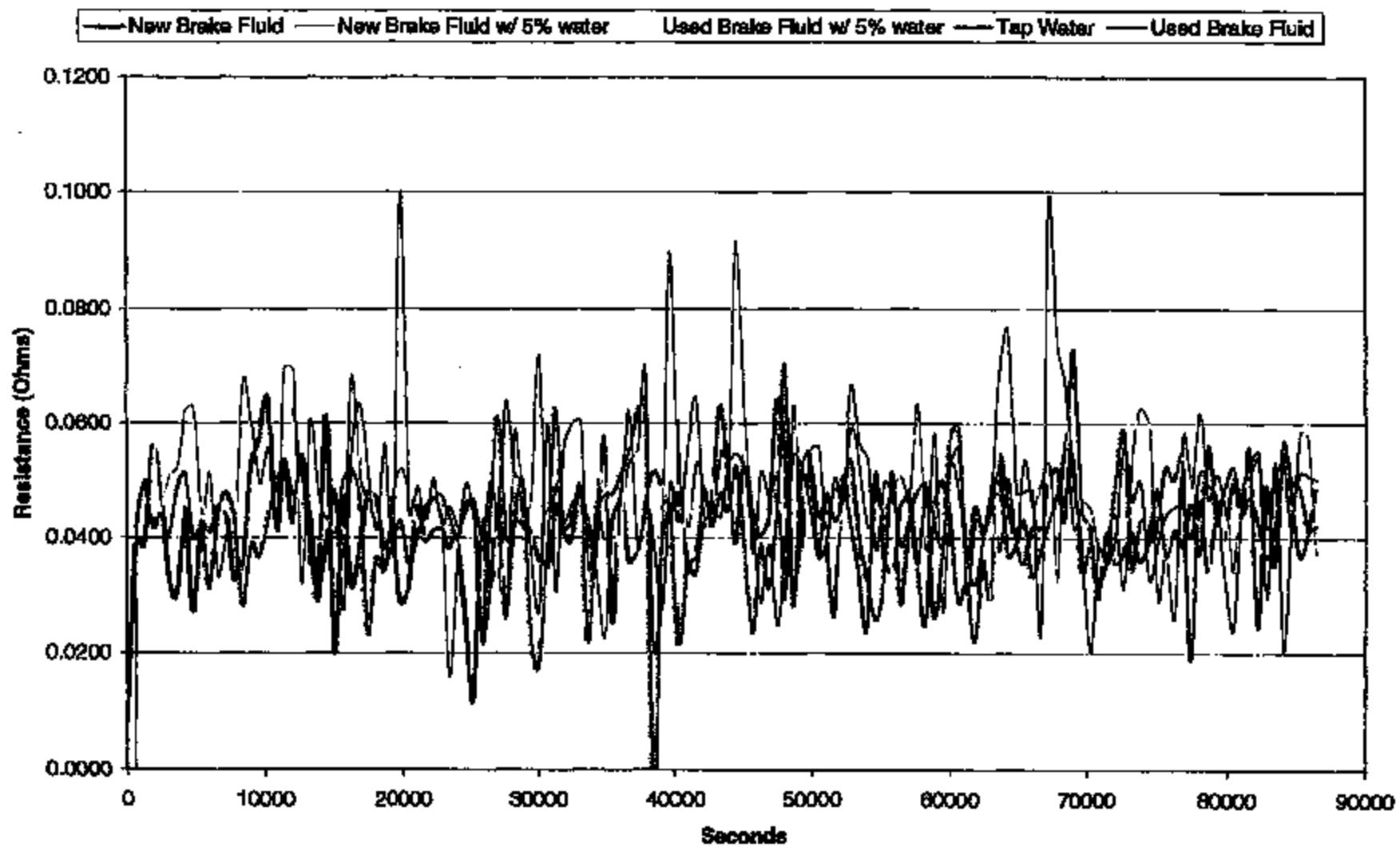


**11:22AM to 12:39AM Temperature**

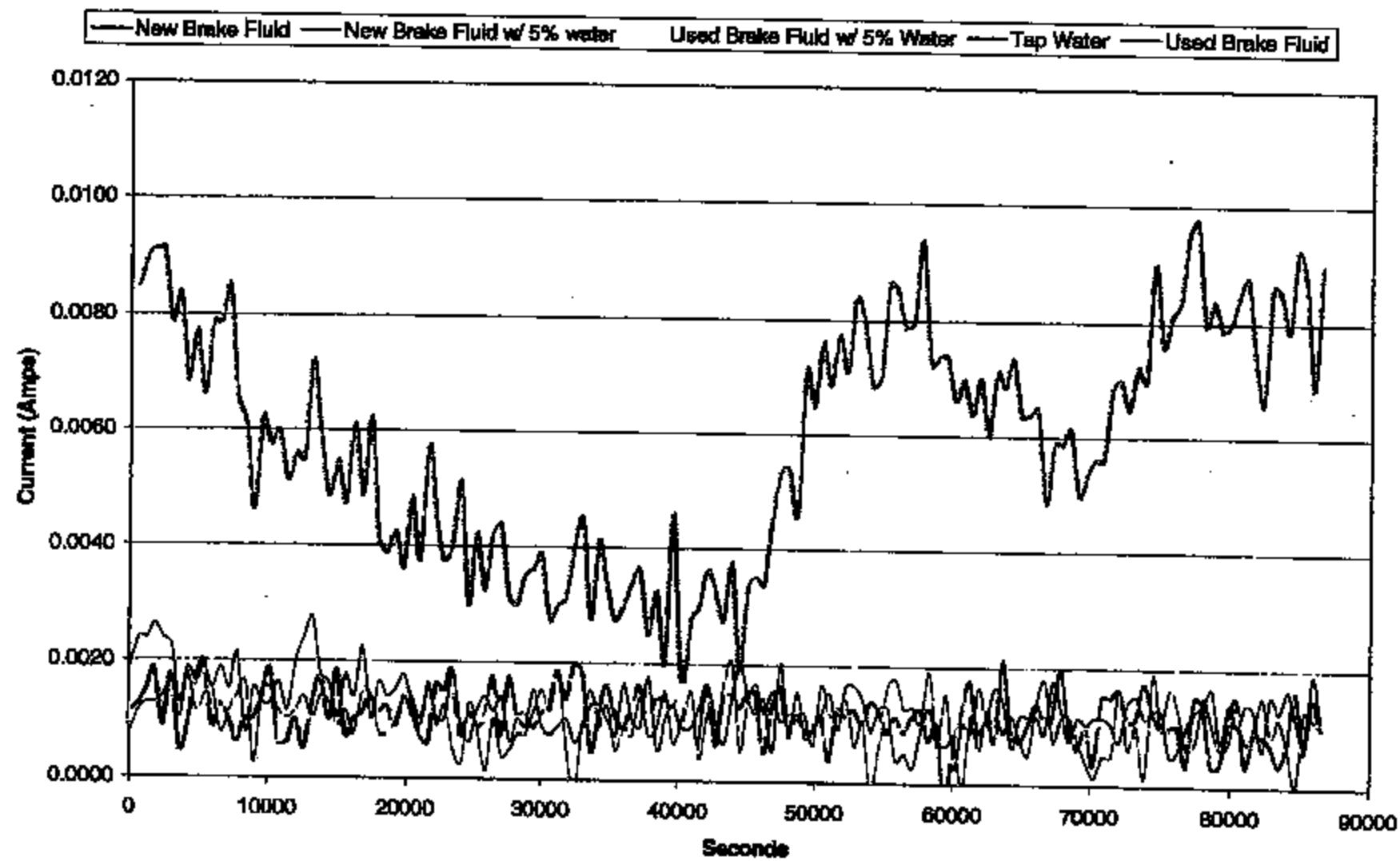


TI-NHTSA 016458

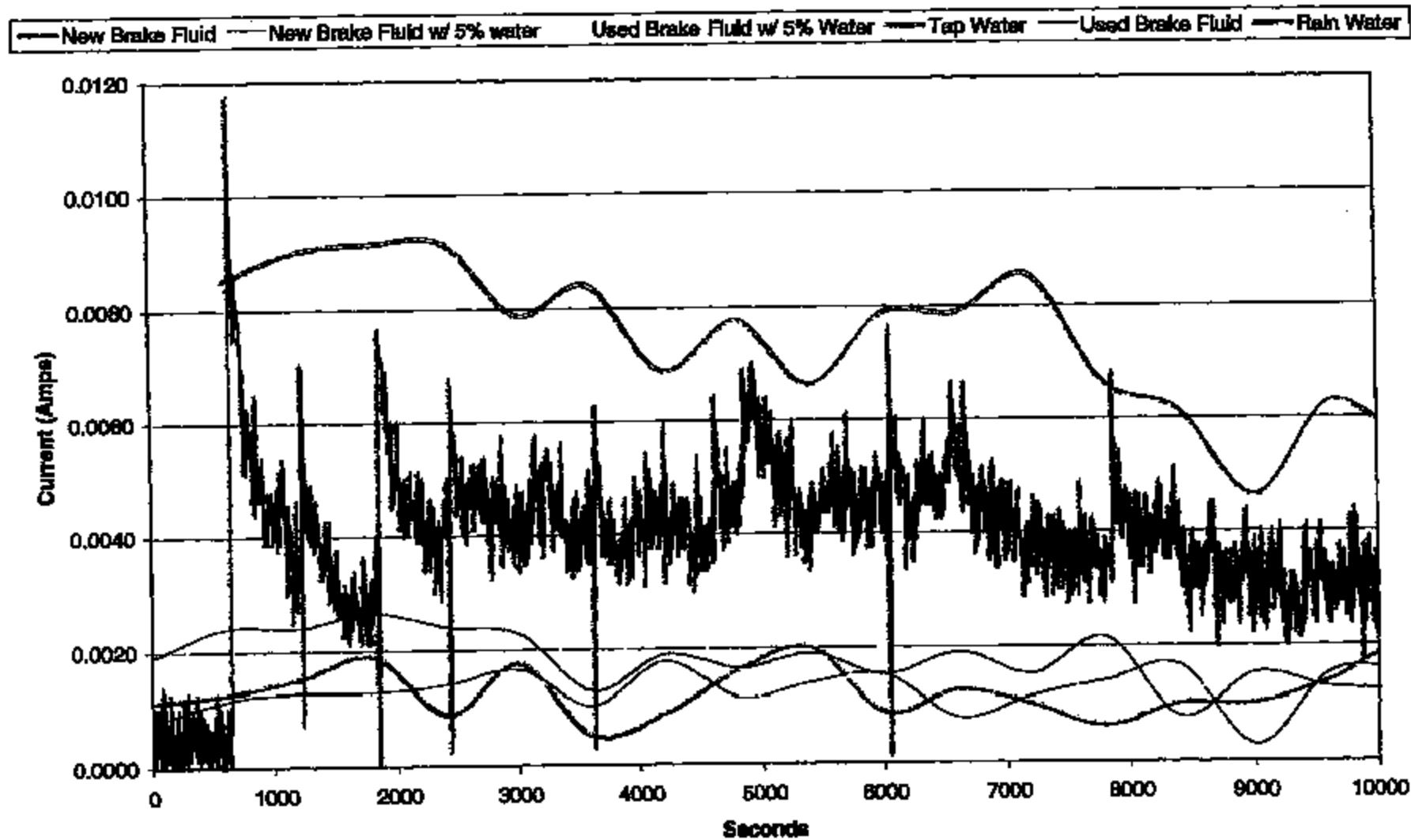
**Terminal Resistance  
Fluid Ingress Experiment**



**Hexport Current vs. Time**  
**Fluid Ingress Experiment**



**Hexport Current vs. Time**  
**Fluid Ingress Experiment**



TI-NHTSA 016461