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SOURCE EVALUATION TEST REPORT

NORTHWEST HARDWOODS
Dry Kiln VOC Emission Factors

August 1-4, 1996

Prepared for

Northwest Hardwoods
3000 Galvin Road
Centralia, WA 98531

By

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&
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DAVID R. ROSSMAN STATE OF WASHINGTON
9/25/96
EXPIRES 1/26/97

RECEIVED
OCT 15 1996
SOUTHWEST AIR POLLUTION CONTROL AUTHORITY

Introduction

On August 1-4, 1996 a sample of Northwest Hardwood's Alder lumber was dried in Horizon Engineering's laboratory dryer. Volatile organic compounds (VOCs) were continuously measured in the test kiln using the Dettinger Method. The laboratory test was done instead of a source test due to the expense and uncertainties involved in testing an actual dry kiln.

Testing was done by David Broderick of Horizon Engineering. Greg Griffith, of Northwest Hardwoods, arranged for the work. A copy of the proposed test method has been included in the Appendix.

Summary of Results

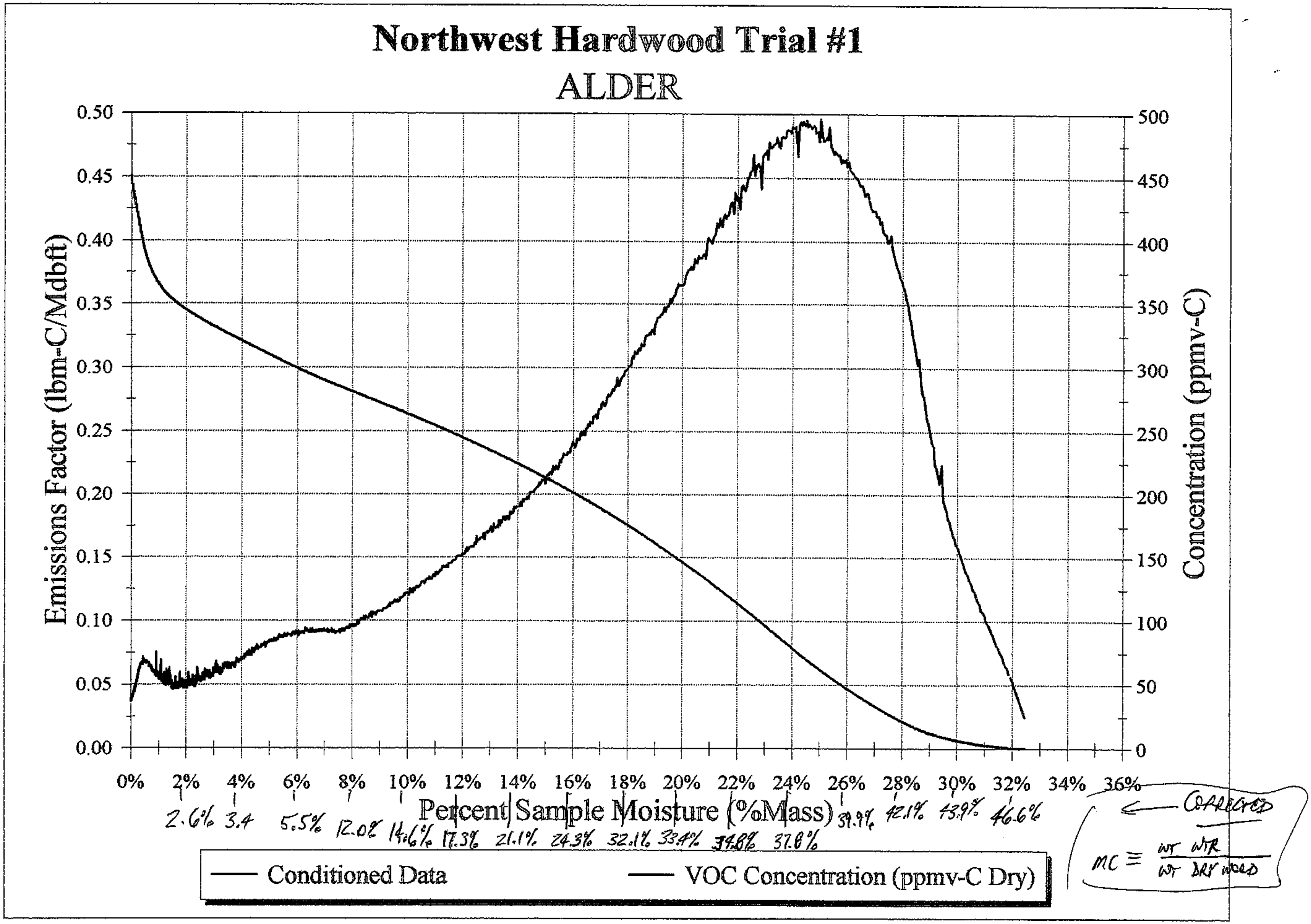
Table 1 summarizes the results of the testing. Figure 1 plots the calculated emission factor for the range of percentage H_2O (wet basis) of the wood sample.

Detailed results and sampling parameters are included in the Appendix.

use 6% H_2O 0.3 lb VOC / M bdft.
5.8 tons of VOC/yr
limit 6.0 tons.

Table 1
Summary of Results

Results	Units	
Species		Alder
Sample size	bd ft	11.2
Initial weight	lb	44
Weight loss	lb	~~14.5~~ (14.92) → FINAL LOSS WEIGHT = 29.580 lb
Test time	hr	72
Avg oven temp	°F	190
Avg inlet temp	°F	79
Avg Flow rate	dscf/min	0.33
Avg VOC	ppmvC	78


Northwest Hardwood Trial #1
ALDER
Emissions Factor (lbm-C/Mdbft)
Concentration (ppmv-C)
0.50 0.45 0.40 0.35 0.30 0.25 0.20 0.15 0.10 0.05 0.00
500 450 400 350 300 250 200 150 100 50 0
0% 2% 4% 6% 8% 10% 12% 14% 16% 18% 20% 22% 24% 26% 28% 30% 32% 34% 36%
Percent Sample Moisture (%Mass)
2.6% 3.4 5.5% 12.0% 14.6% 17.3% 21.1% 24.3% 32.1% 33.4% 34.8% 37.8% 39.9% 42.1% 43.9% 46.6%
← CORRECTED
MC ≡ WT WTR / WT DRY WOOD
Conditioned Data
VOC Concentration (ppmv-C Dry)

Description of the Source

Northwest Hardwoods uses dry kilns to dry cut lumber. Testing a dry kiln is difficult, costly, and there are many uncertainties when using the standard EPA Method 25A, because of the following conditions:

a.) Lumber drying can take over 100 hours to process one load.

b.) Most dry kilns have multiple vents and often have significant leakage around the loading doors.

c.) The venting process is periodic. The vents open to release moisture and VOC's in an irregular pattern.

The multiple vent configuration of most dry kilns and the periodic venting makes it difficult to measure the exhaust flow rate. The leakage from doors and other gaps is not measurable and therefore will produce inaccurate results. In addition, tests would need to be repeated for every species of wood the plant dries.

The method applied to the test kiln employs EPA Method 25A in a controlled environment to measure VOC emissions. The method is assumed to be a worst case analysis, drying to the highest temperature for a normal drying cycle. The test chamber humidity is not controlled but inlet air humidity and volume rate is measured. Normal maximum temperature in a dry kiln is about 200°F but this varies for species and by kiln site. This method allows sample drying times of approximately 36 to 48 hours. Actual drying cycles may take between 36 to over 100 hours.

Sampling Methods

General The test kiln schematic is outlined in the test procedure. An industrial convection oven was used to dry the wood. A 0-100 lb load cell monitors the weight of the drying lumber.

A J.U.M. Engineering VE-7 VOC analyzer with heated sample line is used to measure VOC concentrations. Data was recorded every two minutes by a Rustrak Ranger II data logging system. The accompanying software for the data logger was used to calculate averages for the gas concentrations. Graphic printouts of the data logger information are in the Appendix.

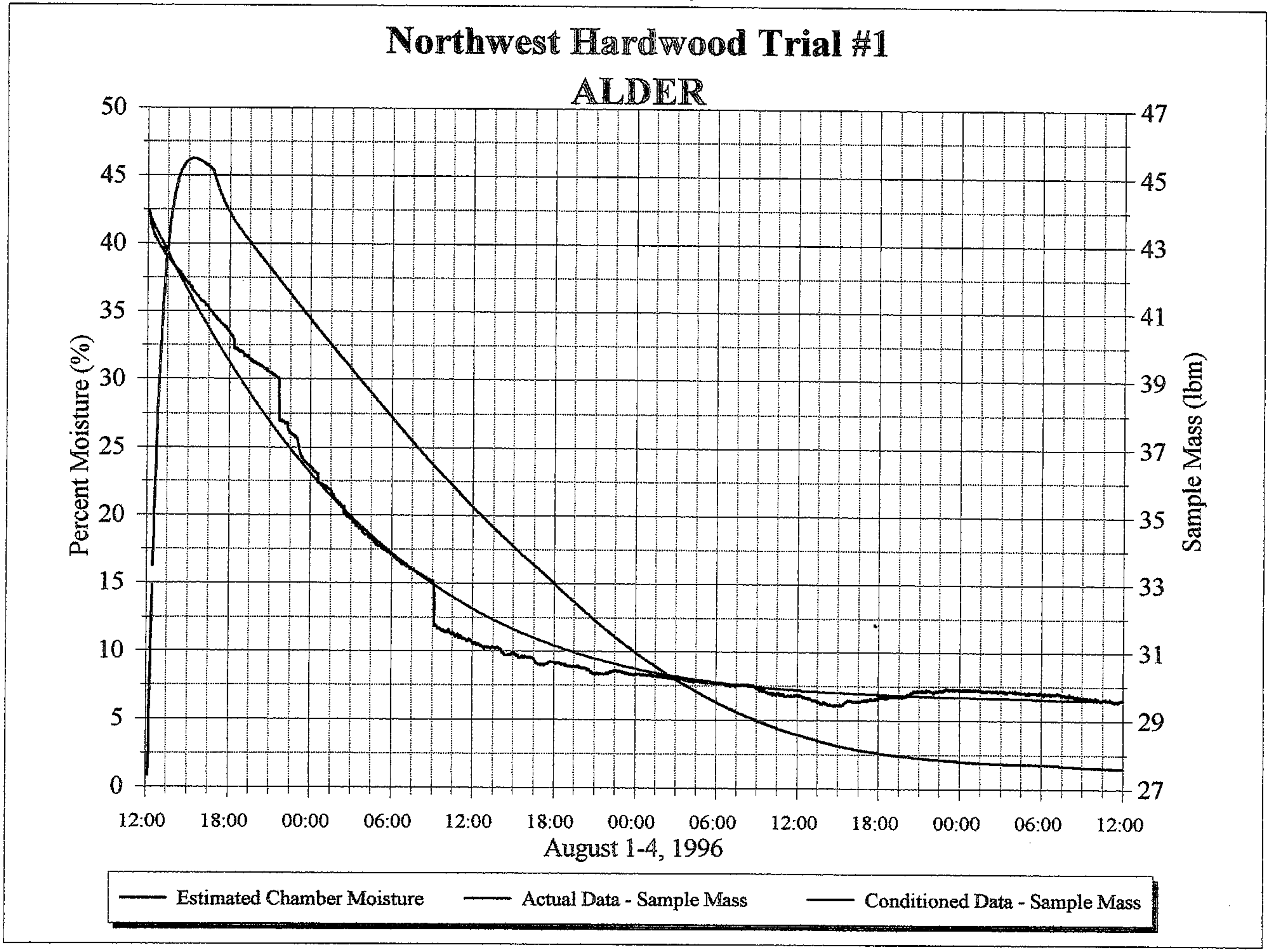
Sample for the analyzers was taken from a fixed sampling probe in the oven. Sample gas was routed through a heated sample line to the continuous analyzer.

Calibrations Zero, span, calibration error (linearity) and bias checks were made on the VOC monitor at the beginning and end of the test.

Calculations The results from the data logger are corrected for minor instrument drift according to the time when they were calibrated and when the test run was made. System calibration response (bias check) values are used as the basis for these corrections.

Flow Rate The air in-flow rate and the total air flow data for the entire cycle were calculated from the dry gas meter readings, in cubic feet. The air in-flow corrected to a dry standard (dscf) is the same as the out-flow dscf. This in-flow rate was used in the pounds of VOC calculation.

Moisture The test kiln moisture was calculated from the weight loss of the sample plus the water introduced in the in-flow air. From the total water vapor volume and the total dry air volume a percentage moisture (by volume) was calculated. Due to the nature of the scale used, the weight loss was not a perfectly smooth curve. The jumps in weight loss caused swings in the ongoing calculated internal moisture of the kiln. To remove these swings, Newton's best fit method was used to derive a smooth curve for the weight loss. Figure 2 shows the actual weight loss and the curve derived using Newton's method. Kiln moisture is also graphed.


Northwest Hardwood Trial #1
ALDER
Percent Moisture (%)
Sample Mass (lbm)
50
45
40
35
30
25
20
15
10
5
0
47
45
43
41
39
37
35
33
31
29
27
12:00 18:00 00:00 06:00 12:00 18:00 00:00 06:00 12:00 18:00 00:00 06:00 12:00
August 1-4, 1996
Estimated Chamber Moisture
Actual Data - Sample Mass
Conditioned Data - Sample Mass

Discussion

The final moisture content of the actual kiln dried lumber should be used to enter the plot of Figure 1. Annual emissions of VOC (as carbon) can be calculated based on production of dried Alder.

APPENDIX

Nomenclature

Data

VOC Concentration Plot

Temperature/Humidity Plot

Inlet Flow Plot

Calibration Information

Meter Box

Standard meter

Thermocouples

Drift Correction

Test Method

Nomenclature

Constants	Value	Units	Definition	Ref
Pstd(1)	29.92129	inHg	Standard Pressure	CRC
Pstd(2)	2116.22	lbf / ft²		CRC
Tstd	527.67	°R	Standard Temperature	CRC
R	1545.33	ft lbf / lbmol °R	Ideal Gas Constant	CRC
MWatm	28.965	lbm / lbmole	Atmospheric (20.946 %O2, 0.033% CO2, Balance N2+Ar)	
MWc	12.011	lbm / lbmole	Carbon	CRC
MWco	28.010	lbm / lbmole	Carbon Monoxide	CRC
MWco2	44.010	lbm / lbmole	Carbon Dioxide	CRC
MWh2o	18.015	lbm / lbmole	Water	CRC
MWno2	46.006	lbm / lbmole	Nitrogen Dioxide	CRC
MWo2	31.999	lbm / lbmole	Oxygen	CRC
MWso2	64.063	lbm / lbmole	Sulfur Dioxide	CRC
MWn2+ar	28.154	lbm / lbmole (Balance with 98.82% N2 & 1.18% Ar)	Emission balance	
C1	385.3211	ft³ / lbmol	Ideal Gas Constant @ Standard Conditions	
C2	816.5455	inHg in²/ °R ft³	Isokentics units correction constant	
Kp	5129.4	ft / min [(inHg lbm/mole) / (°R inH2O)] ^½	Pitot tube constant	Ref 2.5.1

Symbol	Units	Definition	Calculating Equation or Source of Data	EPA
As	in²	Area, Stack		
An	in²	Area, Nozzle		
Bws	%	Moisture, % Stack gas	[100 Vw(std) / [Vw(std)+Vm(std)]]	Eq. 5-3
C	ppmv-C	Carbon (General Reporting Basis for Organics)		
C1	ft3/lbmol	Gas Constant @ Standard Conditions	[R Tstd / Pstd(2)]	
C2	inHg in²/ °R ft²		[14,400 Pstd / Tstd]	
Cd	lbm-GAS / MMdscf	Mass of gas per unit volume	[Cgas MWgas / C1]	
cg	gr/dscf	Grain Loading, Actual	[15.432 mn / Vm(std) 1,000]	Eq. 5-6
cg @ X%CO2	gr/dscf	Grain Loading Corrected to X% Carbon Dioxide	[X% / CO2%]	
cg @ X%O2	gr/dscf	Grain Loading Corrected to X% Oxygen	[(20.946-X%) / (20.946-O2%)]	
Cgas	ppmv, %	Gas Concentration, (Corrected)		
Cgas @ X%CO2	ppmv	Gas Concentration Correction to X% Carbon Dioxide	[X% / CO2%]	
Cgas @ X%O2	ppmv	Gas Concentration Correction to X% Oxygen	[(20.946-X%) / (20.946-O2%)]	
CO	ppmv	Carbon Monoxide		
Co	ft	Outer Circumference of Circular Stack		
Ci	ft	Inner Circumference of Circular Stack		
CO2	%	Carbon Dioxide		
Cp		Pitot tube coefficient		
Ct	lb/hr	Particulate Mass Emissions	[60 cg Qsd/ 7,000]	
dH	in H2O	Pressure differential across orifice		
Dn	in	Diameter, Nozzle		
dp^½		Average square root of velocity pressure		
Ds	in	Diameter, Stack		
E	lb / MMBtu	Pollutant Emission Rate	Cgas Fd MWgas (20.946 / (20.946-O2%)) / (1,000,000 C1)	
Fd	dscf / MMBtu	F Factor for Various Fuels		Table 19-1
I	%	Percent Isokinetic	[C2 Ts(abs) Vm(std) / (vs Ps mfg An Ø)]	Eq. 5-8*
Md	lbm / lbmole	Molecular weight, Dry Stack Gas	[(1-%O2-%CO2)(MWn2+ar)+(%O2 MWo2)+(%CO2 MWco2)]	Eq. 3-1*
mfg		Mole fraction of dry stack gas	[1-Bws/100]	
Mgas	lbm/hr	Gaseous Mass Emisisons	[60 Cgas(ppmv) MW Pstd(2) Qsd / 1,000,000 R Tstd]	
mn	mg	Particulate lab sample weight		
Ms	lbm / lbmole	Molecular weight, Wet Stack	[Md mfg +MWh2o (1-mfg)]	Eq. 2-5
MW	lbm / lbmole	Molecular Weight		
NO2	ppmv-NO2	Nitrogen Dioxide (General Reporting Basis for NOx)		
NOx	ppmv-NO2	Nitrogen Oxides (Reported as NO2)		
O2	%	Oxygen		
OPC	%	Opacity		
Pbar	in Hg	Pressure, Barometric		
Pg	in H2O	Pressure, Static Stack		
Po	in Hg	Pressure, Absolute across Orifice	[Pbar+dH/13.5955]	
Ps	in Hg	Pressure, Absolute Stack	[Pbar+Pg/13.5955]	Eq. 2-6*
Qa	acf/min	Volumetric Flowrate, Actual	[As vs / 144]	
Qsd	dscf/min	Volumetric Flowrate, Dry Standard	[Qa Tstd mfg Ps] / [Pstd(1) Ts(abs)]	Eq 2-10*
Rf	MMBtu/hr		[1,000,000 Mgas (20.946-O2)]/ [Cd Fd 20.946]	
SO2	ppmv-SO2	Sulfur Dioxide		
t	in	Wall thickness of a stack or duct		
TGOC	ppmv-C	Total Gaseous Organic Concentration (Reported as C)		
Tm	°F	Temperature, Dry gas meter		
Tm(abs)	°R	Temperature, Absolute Dry Meter	[Tm + 459.67]	
Ts	°F	Temperature, Stack gas		
Ts(abs)	°R	Temperature, Absolute Stack gas	[Ts + 459.67]	
Vlc	ml	Volume of condensed water		
Vm	dcf	Volume, Gas sample		
Vm(std)	dscf	Volume, Dry standard gas sample	[Y Vm Tstd Po]/ [Pstd(1) Tm(abs)]	Eq. 5-1
vs	fpm	Velocity, Stack gas	Kp Cp dp^½ [Ts(abs) / (Ps Ms)]^ ½	Eq. 2-9*
Vw(std)	scf	Volume, Water Vapor	0.04707 Vlc	Eq. 5-2
Y		Dry gas meter calibration factor		Fig. 5.6
Ø	min	Time, Total sample		

* Based on equation.

Northwest Hardwoo
Alder
August 1-4, 1996

Y=	1.0119	Span	461.2	567	571 ppmv
Pb=	29.9923 inHg	Zero	0	0	-19 ppmv
Pb=	101.39 kPa				

DGM	Chamber	Cm
11.18	30.06	ft³

NDDIP	x	F(x)	A	B	C	D
m	-72.03	43.80	-0.53498	0.00519	-0.00011	0.00000
n	-52.50	33.35	-0.14224	0.00326	-0.00005	
p	-39.30	30.05	-0.02546	0.00056		
q	-16.73	29.73	-0.00896			
	0.00	29.58				

1 Date	2 Time	3 Value Te F	4 Value Tm F	5 Value VOC ppmv	6 Value RH %	7 Value M lbm	8 dt (hrs)	9 Calculated Wood Mass Wm lbm	10 Calculated Wood Moisture %Bwc	Wood Water Change dWw	12 Wood Water Volume Vw(wood) dscf	13 Meter Reading cuft dVm ft³	14 Inlet Meter Volume Wet Vm(wet) wscf	15 Inlet Meter Volume Dry Vm(std) dscf	16 Inlet Flowrate Dry Q(std) dscf/min	17 Inlet Air Moisture Bws(inlet) %	18 Inlet Air Fraction dry mfg(inlet)	19 Inlet Water Volume Vw(std) dscf	20 Inlet Air Moisture BWS(3) %	Inlet Air Dry mfg(2)	22 Cumulative Chamber Moisture BWS(3)	23 New Gases at Chamber Conditions Vt ft³	24 Cgas(wet) ppmv	25 Cgas(Dry) ppmv	26 Mass lbm/min	27 lbs	28 lbs/MdbR	29 lbm/MdbR
AVG		361.21	299.01	78.13	25.67	14.53																						
01-Aug	09:14:00	190.43	78.55																									
01-Aug	12:08:00	107.10					-72.10					328.725																
01-Aug	12:10:00	105.30	79.60	18	25	43.95	-72.07	43.828	32.5%	0.0	0.000	329.312	0.5169	0.5777	0.2889	0.84	0.9916	0.0049		1.0000	0.84							
01-Aug	12:12:00	101.40	79.70	23	24	43.86	-72.03	43.800	32.4%	12.7	0.599	329.890	0.5870	0.5778	0.2889	0.81	0.9919	0.0047	51.10	0.4890	0.84	1.2532	24.4	24.5	2.2E-07	4.43E-07	4.0E-05	0.0000
01-Aug	12:14:00	102.10	79.80	27	24	43.65	-72.00	43.772	32.4%	12.7	0.598	330.486	0.5870	0.5777	0.2889	0.82	0.9918	0.0047	51.07	0.4893	2.86	1.2537	28.6	29.5	2.7E-07	5.31E-07	4.7E-05	0.0001
01-Aug	12:16:00	102.50	79.90	30	24	43.59	-71.97	43.744	32.3%	12.7	0.597	331.073	0.5870	0.5776	0.2888	0.82	0.9918	0.0047	51.04	0.4896	4.79	1.2535	31.8	33.4	3.0E-07	6.01E-07	5.4E-05	0.0001
01-Aug	12:18:00	102.50	79.90	33	24	43.54	-71.93	43.716	32.3%	12.6	0.596	331.660	0.5869	0.5776	0.2888	0.82	0.9918	0.0048	51.00	0.4900	6.64	1.2525	35.0	37.5	3.4E-07	6.75E-07	6.0E-05	0.0002
01-Aug	12:20:00	103.10	80.10	36	24	43.49	-71.90	43.688	32.2%	12.6	0.595	332.247	0.5870	0.5776	0.2887	0.82	0.9918	0.0048	50.97	0.4903	8.41	1.2527	38.2	41.7	3.8E-07	7.50E-07	6.7E-05	0.0003
01-Aug	12:22:00	103.10	80.20	39	24	43.45	-71.87	43.661	32.1%	12.6	0.593	332.834	0.5870	0.5772	0.2886	0.83	0.9917	0.0048	50.94	0.4906	10.11	1.2516	41.4	46.0	4.1E-07	8.25E-07	7.4E-05	0.0003
01-Aug	12:24:00	103.20	80.30	41	24	43.42	-71.83	43.633	32.1%	12.6	0.594	333.421	0.5869	0.5771	0.2885	0.83	0.9917	0.0048	50.91	0.4909	11.75	1.2507	43.5	49.3	4.4E-07	8.86E-07	7.9E-05	0.0004
01-Aug	12:26:00	103.40	80.30	43	24	43.37	-71.80	43.605	32.0%	12.6	0.593	334.003	0.5870	0.5771	0.2885	0.83	0.9917	0.0048	50.87	0.4913	13.31	1.2502	45.6	52.6	4.7E-07	9.46E-07	8.5E-05	0.0005
01-Aug	12:28:00	103.70	80.30	45	24	43.32	-71.77	43.577	31.9%	12.6	0.592	334.595	0.5870	0.5771	0.2883	0.83	0.9917	0.0048	50.83	0.4917	14.81	1.2499	47.7	56.0	5.0E-07	1.01E-06	9.0E-05	0.0006
01-Aug	12:29:00											334.888																
01-Aug	12:30:00	104.30	80.50	46	24	43.28	-71.73	43.550	31.9%	12.5	0.591	335.200	0.6052	0.5941	0.2974	0.83	0.9917	0.0050	50.05	0.4995	16.25	1.2693	48.8	58.2	5.4E-07	1.08E-06	9.7E-05	0.0007
01-Aug	12:32:00	104.30	80.30	49	24	43.25	-71.70	43.522	31.8%	12.5	0.590	335.825	0.6235	0.6130	0.3065	0.83	0.9917	0.0051	49.26	0.5074	17.62	1.2880	52.0	63.1	6.0E-07	1.21E-06	1.1E-04	0.0008
01-Aug	12:34:00	104.50	80.40	50	24	43.22	-71.67	43.495	31.7%	12.5	0.589	336.447	0.6235	0.6129	0.3065	0.83	0.9917	0.0051	49.23	0.5077	18.92	1.2873	53.0	65.4	6.2E-07	1.25E-06	1.1E-04	0.0009
01-Aug	12:36:00	105.10	80.50	52	24	43.19	-71.63	43.467	31.7%	12.5	0.588	337.070	0.6235	0.6130	0.3065	0.83	0.9917	0.0051	49.18	0.5082	20.16	1.2876	55.1	69.1	6.6E-07	1.32E-06	1.2E-04	0.0010
01-Aug	12:38:00	105.60	80.60	54	24	43.18	-71.60	43.440	31.6%	12.4	0.587	337.694	0.6235	0.6126	0.3063	0.84	0.9916	0.0052	49.16	0.5084	21.36	1.2877	57.3	72.8	7.0E-07	1.39E-06	1.2E-04	0.0012
01-Aug	12:40:00	106.00	80.70	55	24	43.13	-71.57	43.412	31.5%	12.4	0.586	338.317	0.6235	0.6125	0.3063	0.84	0.9916	0.0052	49.13	0.5087	22.50	1.2875	58.3	75.2	7.2E-07	1.44E-06	1.3E-04	0.0013
01-Aug	12:42:00	106.40	80.80	57	23	43.11	-71.53	43.385	31.5%	12.4	0.585	338.941	0.6235	0.6126	0.3063	0.81	0.9919	0.0050	49.03	0.5092	23.59	1.2873	60.4	79.3	7.6E-07	1.51E-06	1.4E-04	0.0014
01-Aug	12:44:00	107.00	80.80	58	24	43.07	-71.50	43.358	31.4%	12.4	0.585	339.564	0.6235	0.6124	0.3062	0.84	0.9916	0.0052	49.06	0.5094	24.64	1.2877	61.5	81.6	7.8E-07	1.56E-06	1.4E-04	0.0016
01-Aug	12:46:00	107.40	80.80	60	24	43.03	-71.47	43.330	31.4%	12.4	0.584	340.188	0.6235	0.6123	0.3061	0.84	0.9916	0.0052	49.03	0.5097	25.64	1.2876	63.6	85.6	8.2E-07	1.63E-06	1.5E-04	0.0017
01-Aug	12:48:00	108.00	81.00	61	24	43.03	-71.43	43.303	31.3%	12.3	0.583	340.811	0.6235	0.6121	0.3061	0.85	0.9915	0.0052	49.00	0.5100	26.60	1.2878	64.7	88.1	8.4E-07	1.67E-06	1.5E-04	0.0019
01-Aug	12:50:00	108.50	81.10	62	24	43.00	-71.40	43.276	31.2%	12.3	0.582	341.435	0.6235	0.6120	0.3060	0.85	0.9915	0.0052	48.97	0.5103	27.52	1.2878	65.7	90.7	8.7E-07	1.73E-06	1.5E-04	0.0020
01-Aug	12:52:00	109.00	81.20	64	23	42.98	-71.37	43.249	31.2%	12.3	0.581	342.058	0.6235	0.6121	0.3060	0.82	0.9918	0.0050	48.91	0.5109	28.40	1.2879	67.9	94.8	9.0E-07	1.81E-06	1.6E-04	0.0022
01-Aug	12:54:00	109.50	81.30	65	23	42.95	-71.33	43.222	31.1%	12.3	0.580	342.682	0.6235	0.6121	0.3060	0.82	0.9918	0.0050	48.88	0.5112	29.25	1.2881	68.9	97.4	9.3E-07	1.86E-06	1.7E-04	0.0023
01-Aug	12:56:00	109.90	81.30	66	24	42.91	-71.30	43.194	31.1%	12.3	0.579	343.305	0.6235	0.6117	0.3059	0.86	0.9914	0.0053	48.86	0.5114	30.03	1.2879	70.0	100.1	9.5E-07	1.91E-06	1.7E-04	0.0025
01-Aug	12:58:00	110.40	81.10	68	24	42.90	-71.27	43.167	31.0%	12.2	0.578	343.929	0.6235	0.6120	0.3060	0.85	0.9915	0.0052	48.81	0.5119	30.83	1.2884	72.1	104.2	9.9E-07	1.99E-06	1.8E-04	0.0027
01-Aug	13:00:00	110.90	81.30	69	23	42.90	-71.23	43.140	30.9%	12.2	0.577	344.552	0.6235	0.6120	0.3060	0.82	0.9918	0.0051	48.77	0.5123	31.57	1.2883	73.2	106.9	1.0E-06	2.04E-06	1.8E-04	0.0029
01-Aug	13:02:00	111.50	81.40	69	23	42.90	-71.20	43.114	30.9%	12.2	0.577	345.176	0.6235	0.6118	0.3059	0.82	0.9918	0.0051	48.74	0.5126	32.27	1.2881	73.2	108.0	1.0E-06	2.06E-06	1.8E-04	0.0031
01-Aug	13:04:00	112.20	81.50	72	24	42.89	-71.17	43.087	30.8%	12.2	0.576	345.800	0.6235	0.6115	0.3057	0.86	0.9914	0.0053	48.72	0.5128	32.95	1.2891	76.3	113.9	1.1E-06	2.17E-06	1.9E-04	0.0032
01-Aug	13:06:00	113.30	81.70	72	24	42.84	-71.13	43.060	30.8%	12.2	0.575	346.423	0.6235	0.6112	0.3056	0.87	0.9913	0.0053	48.70	0.5130	33.60	1.2903	76.3	115.0	1.1E-06	2.19E-06	2.0E-04	0.0034
01-Aug	13:08:00	113.90	81.50	74	23	42.82	-71.10	43.033	30.7%	12.2	0.574	347.047	0.6235	0.6117	0.3058	0.83	0.9917	0.0051	48.63	0.5137	34.22	1.2909	78.5	119.3	1.1E-06	2.27E-06	2.0E-04	0.0036
01-Aug	13:10:00	114.70	81.60	76	23	42.83	-71.07	43.006	30.6%	12.2	0.573	347.670	0.6235	0.6116	0.3058	0.83	0.9917	0.0051	48.60	0.5140	34.81	1.2917	80.6	123.6	1.2E-06	2.36E-06	2.1E-04	0.0039
01-Aug	13:12:00	115.70	81.70	76	23	42.75	-71.03	42.979	30.6%	12.1	0.572	348.294	0.6235	0.6114	0.3057	0.83	0.9917	0.0051	48.56	0.5144	35.38	1.2928	80.6	124.7	1.2E-06	2.38E-06	2.1E-04	0.0041
01-Aug	13:14:00	116.50	81.70	78	23	42.75	-71.00	42.953	30.5%	12.1	0.571	348.917	0.6235	0.6114	0.3057	0.83	0.9917	0.0051	48.52	0.5148	35.93	1.2936	82.7	129.1	1.2E-06	2.46E-06	2.2E-04	0.0043
01-Aug	13:16:00	117.30	81.70	79	24	42.74	-70.97	42.926	30.5%	12.1	0.570	349.541	0.6235	0.6110	0.3055	0.87	0.9913	0.0053	48.49	0.5151	36.45	1.2945	83.8	131.8	1.3E-06	2.51E-06	2.2E-04	0.0045
01-Aug	13:18:00	117.80	82.00	81	23	42.70	-70.93	42.899	30.4%	12.1	0.570	350.164	0.6235	0.6110	0.3055	0.84	0.9916	0.0052	48.47	0.5153	36.94	1.2943	85.9	136.2	1.3E-06	2.59E-06	2.3E-04	0.0047
01-Aug	13:20:00	118.40	82.00	82	23	42.69	-70.90	42.873	30.3%	12.1	0.569	350.788	0.6235	0.6110	0.3055	0.84	0.9916	0.0052	48.43	0.5157	37.42	1.2947	86.9	138.9	1.3E-06	2.65E-06	2.4E-04	0.0050
01-Aug	13:22:00	118.90	81.80	83	23	42.68	-70.87	42.846	30.3%	12.0	0.568	351.411	0.6235	0.6113	0.3056	0.83	0.9917	0.0051	48.38	0.5162	37.87	1.2950	88.0	141.7	1.3E-06	2.70E-06	2.4E-04	0.0052
01-Aug	13:24:00	119.50	82.00	85	23	42.66	-70.83	42.820	30.2%	12.0	0.567	352.035	0.6235	0.6110	0.3055	0.84	0.9916	0.0052	48.35	0.5165	38.31	1.2952	90.1	146.1	1.4E-06	2.78E-06	2.5E-04	0.0055
01-Aug	13:26:00	120.30	82.10	87	24	42.63	-70.80	42.793	30.1%	12.0	0.566	352.658	0.6235	0.6107	0.3053	0.87	0.9912	0.0054	48.34	0.5166	38.72	1.2959	92.2	150.3	1.5E-06	2.87E-06	2.6E-04	0.0057
01-Aug	13:28:00	120.90	82.20	88	24	42.63	-70.77	42.767	30.1%	12.0	0.565	353.282	0.6235	0.6108	0.3054	0.84	0.9916	0.0052	48.29	0.5171	39.12	1.2961	93.3	153.3	1.5E-06	2.92E-06	2.6E-04	0.0060
01-Aug	13:30:00	121.60	82.30	90	23	42.63	-70.73	42.740	30.0%	12.0	0.564	353.905	0.6235	0.6104	0.3052	0.88	0.9912	0.0054	48.27	0.5173	39.50	1.2967	95.4	157.7	1.5E-06	3.00E-06	2.7E-04	0.0063
01-Aug	13:32:00	122.00	82.40	91	23	42.59	-70.70	42.714	30.0%	11.9	0.563	354.529	0.6235	0.6105	0.3053	0.85	0.9915	0.0053	48.22	0.5178	39.86	1.2962	96.5	160.4	1.5E-06	3.05E-06	2.7E-04	0.0065
01-Aug	13:34:00	122.50	82.50	93	23	42.59	-70.67	42.688	29.9%	11.9	0.562	355.152	0.6235	0.6104	0.3052	0.85	0.9915	0.0053	48.19	0.5181	40.21	1.2964	98.6	164.9	1.6E-06	3.14E-06	2.8E-04	0.0068
01-Aug	13:36:00	122.80	82.50	94	23	42.55	-70.63	42.662	29.8%	11.9	0.562	355.776	0.6235	0.6104	0.3052	0.85	0.9915	0.0053	48.15	0.5185	40.56	1.2962	99.7	167.6	1.6E-06	3.19E-06	2.9E-04	0.0071
01-Aug	13:38:00	123.50	82.50	96	23	42.52	-70.60	42.635	29.8%	11.9	0.561	356.399	0.6235	0.6104	0.3052	0.85	0.9915	0.0053	48.11	0.5189	40.88	1.2968	101.8	172.1	1.6E-06	3.27E-06	2.9E-04	0.0074
01-Aug	13:40:00	124.30	82.50	99	23	42.52	-70.57	42.609	29.7%	11.9	0.560	357.023	0.6235	0.6103	0.3052	0.85	0.9915	0.0053	48.07	0.5193	41.15	1.2975	105.0	178.4	1.7E-06	3.39E-06	3.0E-04	0.0077
01-Aug	13:42:00	125.10	82.60	100	23	42.51	-70.53	42.583	29.7%	11.9	0.559	357.646	0.6235	0.6103	0.3051	0.86	0.9914	0.0053	48.04	0.5196	41.44	1.2983	106.0	181.1	1.7E-06	3.44E-06	3.1E-04	0.0080
01-Aug	13:44:00	125.70	82.60	103	24	42.48	-70.50	42.557	29.6%	11.8	0.558	358.270	0.6235	0.6100	0.3050	0.89	0.9911	0.0055	48.02	0.5198	41.71	1.2987	109.2	187.4	1.8E-06	3.56E-06	3.2E-04	0.0083
01-Aug	13:46:00	126.40	82.70	105	23	42.48	-70.47	42.531	29.5%	11.8	0.557	358.893	0.6235	0.6101	0.3051	0.86	0.9914	0.0053	47.97	0.5203	41.97	1.2991	111.3	191.9	1.8E-06	3.65E-06	3.3E-04	0.0086
01-Aug	13:48:00	126.90	82.80	107	24	42.46	-70.43	42.505	29.5%	11.8	0.556	359.517	0.6235	0.6098	0.3049	0.90	0.9910	0.0055	47.96	0.5204	42.22	1.2991	113.5	196.4	1.9E-06	3.73E-06	3.3E-04	0.0090
01-Aug	13:50:00	127.90	82.80	121	23	42.44	-70.40	42.479	29.4%	11.8	0.556	360.140	0.6235	0.6100	0.3050	0.86	0.9914	0.0053	47.90	0.5210	42.46	1.3004	128.3	223.0	2.1E-06	4.24E-06	3.8E-04	0.0094
01-Aug	13:52:00	128.20	83.00	111	23	42.43	-70.37	42.453	29.4%	11.8	0.555	360.764	0.6235	0.6098	0.3049	0.87	0.9913	0.0053	47.87	0.5213	42.69	1.2999	117.8	209.0	2.0E-06	3.97E-06	3.6E-04	0.0097
01-Aug	13:54:00	128.80	83.10	115	23	42.40	-70.33	42.427	29.3%	11.7	0.554	361.387	0.6235	0.6096	0.3048	0.87	0.9913	0.0053	47.84	0.5216	42.90	1.3000	121.9	216.8	2.0E-06	4.06E-06	3.6E-04	0.0101
01-Aug	13:56:00	129.50	83.00	118	24	42.39	-70.30	42.401	29.2%	11.7	0.553	362.011	0.6235	0.6095	0.3048	0.90	0.9910	0.0055	47.82	0.5218	43.11	1.3008	125.1	219.9	2.1E-06	4.18E-06	3.7E-04	0.0105
01-Aug	13:58:00	130.30	83.20	120	23	42.35	-70.27	42.375	29.2%	11.7	0.552	362.634	0.6235	0.6096	0.3048	0.91	0.9909	0.0056	47.79	0.5221	43.30	1.3014	127.2	224.4	2.1E-06	4.26E-06	3.8E-04	0.0108
01-Aug	14:00:00	130.60	83.30	127	23	42.34	-70.23	42.350	29.1%	11.7	0.551	363.258	0.6235	0.6093	0.3047	0.88	0.9912	0.0054	47.74	0.5226	43.49	1.3009	134.7	238.3	2.3E-06	4.53E-06	4.0E-04	0.0112
01-Aug	14:02:00	131.00	83.30	128	23	42.35	-70.20	42.324	29.1%	11.7	0.550	363.881	0.6235	0.6094	0.3047	0.88	0.9912	0.0054	47.70	0.5230	43.66	1.3008	135.7	240.9	2.3E-06	4.58E-06	4.1E-04	0.0116
01-Aug	14:04:00	131.70	83.30	131	23	42.30	-70.17	42.298	29.0%	11.7	0.549	364.505	0.6235	0.6094	0.3047	0.88	0.9912	0.0054	47.66	0.5234	43.83	1.3008	138.9	247.3	2.3E-06	4.70E-06	4.2E-04	0.0121
01-Aug	14:06:00	132.00	83.50	134	23	42.28	-70.13	42.273	29.0%	11.6	0.549	365.128	0.6235	0.6091	0.3045	0.88	0.9912	0.0054	47.63	0.5237	43.99	1.3008	142.1	253.7	2.4E-06	4.82E-06	4.3E-04	0.0125
01-Aug	14:08:00	132.50	83.50	137	23	42.28	-70.10	42.247	28.9%	11.6	0.548	365.752	0.6235	0.6091	0.3046	0.88	0.9912	0.0054	47.59	0.5241	44.14	1.3015	145.3	260.1	2.5E-06	4.94E-06	4.4E-04	0.0129
01-Aug	14:10:00	132.90	83.40	141	23	42.28	-70.07	42.221	28.8%	11.6	0.547	366.376	0.6235	0.6092	0.3046	0.88	0.9912	0.0054	47.55	0.5245	44.28	1.3008	149.5	268.3	2.5E-06	5.10E-06	4.6E-04	0.0134
01-Aug	14:12:00	133.50	83.50	145	23	42.25	-70.03	42.196	28.8%	11.6	0.546	366.999	0.6235	0.6091	0.3045	0.88	0.9912	0.0054	47.52	0.5248	44.41	1.3010	153.7	276.6	2.6E-06	5.23E-06	4.7E-04	0.0139
01-Aug	14:14:00	133.90	83.70	147	23	42.24	-70.00	42.170	28.7%	11.6	0.545	367.623	0.6235	0.6088	0.3044	0.89	0.9911	0.0054	47.49	0.5251	44.53	1.3012	155.9	281.1	2.7E-06	5.31E-06	4.8E-04	0.0143
01-Aug	14:16:00	134.40	83.80	152	23	42.22	-69.97	42.145	28.7%	11.5	0.544	368.246	0.6235	0.6087	0.3044	0.89	0.9911	0.0055	47.46	0.5254	44.67	1.3018	161.2	291.3	2.8E-06	5.53E-06	4.9E-04	0.0148
01-Aug	14:18:00	134.80	83.70	160	23	42.20	-69.93	42.119	28.6%	11.5	0.543	368.870	0.6235	0.6088	0.3044	0.89	0.9911	0.0054	47.41	0.5259	44.79	1.3010	169.7	307.3	2.9E-06	5.83E-06	5.2E-04	0.0154
01-Aug	14:20:00	135.10	84.00	157	23	42.19	-69.90	42.094	28.6%	11.5	0.543	369.493	0.6235	0.6084	0.3042	0.90	0.9910	0.0055	47.39	0.5261	44.89	1.3003	166.5	302.1	2.9E-06	5.73E-06	5.1E-04	0.0159
01-Aug	14:22:00	135.70	84.00	162	23	42.16	-69.87	42.069	28.5%	11.5	0.542	370.117	0.6235	0.6085	0.3042	0.90	0.9910	0.0055	47.35	0.5265	45.00	1.3007	171.8	312.3	3.0E-06	5.92E-06	5.3E-04	0.0164
01-Aug	14:24:00	135.90	84.00	166	23	42.16	-69.83	42.043	28.4%	11.5	0.541	370.740	0.6235	0.6085	0.3042	0.90	0.9910	0.0055	47.31	0.5269	45.10	1.3002	176.0	320.6	3.0E-06	6.09E-06	5.4E-04	0.0169
01-Aug	14:26:00	136.30	83.90	168	23	42.16	-69.80	42.018	28.4%	11.5	0.540	371.364	0.6235	0.6086	0.3043	0.89	0.9911	0.0055	47.27	0.5273	45.19	1.3001	178.1	325.0	3.1E-06	6.16E-06	5.5E-04	0.0175
01-Aug	14:28:00	136.60	84.20	173	23	42.12	-69.77	41.993	28.3%	11.4	0.539	371.987	0.6235	0.6082	0.3041	0.90	0.9910	0.0055	47.25	0.5275	45.27	1.2993	183.4	335.2	3.2E-06	6.35E-06	5.7E-04	0.0181
01-Aug	14:30:00	136.90	84.20	175	23	42.10	-69.73	41.968	28.3%	11.4	0.538	372.611	0.6235	0.6082	0.3041	0.90	0.9910	0.0055	47.21	0.5279	45.36	1.2992	185.6	339.6	3.2E-06	6.44E-06	5.8E-04	0.0186
01-Aug	14:32:00	137.40	84.30	180	23	42.08	-69.70	41.943	28.2%	11.4	0.538	373.234	0.6235	0.6080	0.3040	0.90	0.9910	0.0055	47.18	0.5282	45.43	1.2992	190.9	349.8	3.3E-06	6.63E-06	5.9E-04	0.0192
01-Aug	14:34:00	137.70	84.30	182	23	42.06	-69.67	41.918	28.2%	11.4	0.537	373.858	0.6235	0.6081	0.3040	0.90	0.9910	0.0055	47.14	0.5286	45.51	1.2989	193.0	354.1	3.4E-06	6.71E-06	6.0E-04	0.0198
01-Aug	14:36:00	137.80	84.30	185	23	42.04	-69.63	41.893	28.1%	11.4	0.536	374.481	0.6235	0.6081	0.3040	0.90	0.9910	0.0055	47.10	0.5290	45.57	1.2982	196.2	360.4	3.4E-06	6.83E-06	6.1E-04	0.0204
01-Aug	14:38:00	138.30	84.30	187	23	42.01	-69.60	41.868	28.0%	11.3	0.535	375.105	0.6235	0.6080	0.3040	0.90	0.9910	0.0055	47.06	0.5294	45.64	1.2983	198.3	364.7	3.5E-06	6.91E-06	6.2E-04	0.0211
01-Aug	14:40:00	138.90	84.50	189	23	42.02	-69.57	41.843	28.0%	11.3	0.534	375.728	0.6235	0.6078	0.3039	0.91	0.9909	0.0056	47.03	0.5297	45.70	1.2984	200.4	369.0	3.5E-06	6.99E-06	6.3E-04	0.0217
01-Aug	14:42:00	139.40	84.70	190	23	42.00	-69.53	41.818	27.9%	11.3	0.533	376.352	0.6235	0.6075	0.3038	0.92	0.9908	0.0056	47.01	0.5299	45.75	1.2983	201.5	371.4	3.5E-06	7.03E-06	6.3E-04	0.0223
01-Aug	14:44:00	140.10	84.90	192	22	41.97	-69.50	41.793	27.9%	11.3	0.532	376.975	0.6235	0.6075	0.3038	0.88	0.9912	0.0054	46.96	0.5304	45.80	1.2985	203.6	375.6	3.6E-06	7.11E-06	6.4E-04	0.0230
01-Aug	14:46:00	140.80	84.80	194	22	41.95	-69.47	41.768	27.8%	11.3	0.532	377.599	0.6235	0.6077	0.3038	0.88	0.9912	0.0054	46.91	0.5309	45.85	1.2993	205.7	379.9	3.6E-06	7.20E-06	6.4E-04	0.0236
01-Aug	14:48:00	141.20	85.00	196	22	41.93	-69.43	41.743	27.8%	11.3	0.531	378.222	0.6235	0.6074	0.3037	0.88	0.9912	0.0054	46.89	0.5311	45.89	1.2989	207.8	384.1	3.6E-06	7.27E-06	6.5E-04	0.0242
01-Aug	14:50:00	141.80	85.10	198	22	41.92	-69.40	41.718	27.7%	11.2	0.530	378.846	0.6235	0.6073	0.3036	0.89	0.9911	0.0054	46.85	0.5315	45.94	1.2991	209.9	388.3	3.7E-06	7.35E-06	6.6E-04	0.0249
01-Aug	14:52:00	142.30	85.10	201	22	41.89	-69.37	41.694	27.6%	11.2	0.529	379.469	0.6235	0.6073	0.3036	0.89	0.9911	0.0054	46.82	0.5318	45.97	1.2992	213.1	394.5	3.7E-06	7.47E-06	6.7E-04	0.0256
01-Aug	14:54:00	143.00	85.20	206	22	41.88	-69.33	41.669	27.6%	11.2	0.528	380.091	0.6235	0.6071	0.3036	0.89	0.9911	0.0055	46.78	0.5322	46.01	1.2997	218.4	404.6	3.8E-06	7.66E-06	6.8E-04	0.0263
01-Aug	14:56:00	143.20	85.20	203	22	41.85	-69.30	41.644	27.5%	11.2	0.527	380.716	0.6235	0.6071	0.3036	0.89	0.9911	0.0055	46.74	0.5326	46.04	1.2992	215.2	398.9	3.8E-06	7.55E-06	6.8E-04	0.0269
01-Aug	14:58:00	143.40	85.20	203	22	41.82	-69.27	41.620	27.5%	11.2	0.527	381.340	0.6235	0.6071	0.3036	0.89	0.9911	0.0055	46.70	0.5330	46.07	1.2986	215.2	399.1	3.8E-06	7.55E-06	6.8E-04	0.0276
01-Aug	15:00:00	143.70	85.20	206	22	41.81	-69.23	41.595	27.4%	11.2	0.526	381.963	0.6235	0.6071	0.3036	0.89	0.9911	0.0053	46.67	0.5333	46.10	1.2983	218.4	405.2	3.8E-06	7.67E-06	6.9E-04	0.0283
01-Aug	15:02:00	144.40	85.30	206	23	41.82	-69.20	41.570	27.4%	11.1	0.525	382.587	0.6235	0.6068	0.3034	0.93	0.9907	0.0057	46.65	0.5335	46.12	1.2988	218.4	405.4	3.8E-06	7.67E-06	6.9E-04	0.0290
01-Aug	15:04:00	144.90	85.40	207	22	41.83	-69.17	41.546	27.3%	11.1	0.524	383.210	0.6235	0.6069	0.3034	0.90	0.9910	0.0055	46.60	0.5340	46.14	1.2987	219.5	407.5	3.9E-06	7.71E-06	6.9E-04	0.0297
01-Aug	15:06:00	145.50	85.40	211	22	41.79	-69.13	41.522	27.2%	11.1	0.523	383.834	0.6235	0.6069	0.3034	0.90	0.9910	0.0055	46.56	0.5344	46.16	1.2991	223.7	415.5	3.9E-06	7.86E-06	7.0E-04	0.0304
01-Aug	15:08:00	146.30	85.50	210	21	41.76	-69.10	41.497	27.2%	11.1	0.522	384.457	0.6235	0.6070	0.3035	0.86	0.9914	0.0053	46.51	0.5349	46.18	1.2997	222.7	413.7	3.9E-06	7.83E-06	7.0E-04	0.0311
01-Aug	15:10:00	146.70	85.50	213	21	41.74	-69.07	41.473	27.1%	11.1	0.522	385.081	0.6235	0.6070	0.3035	0.86	0.9914	0.0053	46.47	0.5353	46.19	1.2996	225.8	419.7	4.0E-06	7.94E-06	7.1E-04	0.0318
01-Aug	15:12:00	147.20	85.50	213	21	41.74	-69.03	41.448	27.1%	11.0	0.521	385.704	0.6235	0.6070	0.3035	0.86	0.9914	0.0053	46.43	0.5357	46.20	1.2998	225.8	419.8	4.0E-06	7.94E-06	7.1E-04	0.0325
01-Aug	15:14:00	147.80	85.60	215	21	41.73	-69.00	41.424	27.0%	11.0	0.520	386.328	0.6235	0.6069	0.3034	0.86	0.9914	0.0053	46.39	0.5361	46.21	1.3000	228.0	423.8	4.0E-06	8.02E-06	7.2E-04	0.0332
01-Aug	15:16:00	148.50	85.70	215	21	41.68	-68.97	41.400	27.0%	11.0	0.519	386.952	0.6235	0.6068	0.3034	0.86	0.9914	0.0053	46.36	0.5364	46.22	1.3004	228.0	423.9	4.0E-06	8.02E-06	7.2E-04	0.0339
01-Aug	15:18:00	148.90	85.70	215	22	41.69	-68.93	41.376	26.9%	11.0	0.518	387.575	0.6235	0.6065	0.3032	0.90	0.9910	0.0055	46.34	0.5366	46.23	1.3002	228.0	423.9	4.0E-06	8.01E-06	7.2E-04	0.0346
01-Aug	15:20:00	149.20	85.90	216	21	41.63	-68.90	41.351	26.9%	11.0	0.517	388.199	0.6235	0.6065	0.3032	0.87	0.9913	0.0053	46.29	0.5371	46.23	1.2997	229.0	425.9	4.0E-06	8.05E-06	7.2E-04	0.0354
01-Aug	15:22:00	149.90	86.00	218	21	41.64	-68.87	41.327	26.8%	11.0	0.517	388.822	0.6235	0.6064	0.3032	0.87	0.9913	0.0053	46.26	0.5374	46.23	1.3001	231.1	429.9	4.1E-06	8.13E-06	7.3E-04	0.0361
01-Aug	15:24:00	150.50	85.90	222	21	41.60	-68.83	41.303	26.7%	10.9	0.516	389.446	0.6235	0.6065	0.3032	0.87	0.9913	0.0053	46.22	0.5378	46.23	1.3005	235.4	437.8	4.1E-06	8.28E-06	7.4E-04	0.0368
01-Aug	15:26:00	151.00	86.10	222	22	41.57	-68.80	41.279	26.7%	10.9	0.515	390.069	0.6235	0.6060	0.3030	0.92	0.9908	0.0056	46.21	0.5379	46.23	1.3005	235.4	437.8	4.1E-06	8.27E-06	7.4E-04	0.0376
01-Aug	15:28:00	151.20	85.90	221	21	41.56	-68.77	41.255	26.6%	10.9	0.514	390.693	0.6235	0.6065	0.3032	0.87	0.9913	0.0053	46.14	0.5386	46.23	1.3002	234.3	435.8	4.1E-06	8.24E-06	7.4E-04	0.0383
01-Aug	15:30:00	151.80	86.10	223	21	41.56	-68.73	41.231	26.6%	10.9	0.513	391.316	0.6235	0.6062	0.3031	0.87	0.9913	0.0053	46.11	0.5389	46.23	1.3002	236.5	439.7	4.2E-06	8.31E-06	7.4E-04	0.0391
01-Aug	15:32:00	152.20	86.20	225	21	41.54	-68.70	41.207	26.5%	10.9	0.513	391.940	0.6235	0.6061	0.3031	0.88	0.9912	0.0054	46.08	0.5392	46.22	1.3000	238.6	443.6	4.2E-06	8.38E-06	7.5E-04	0.0398
01-Aug	15:34:00	153.20	86.10	225	21	41.52	-68.67	41.183	26.5%	10.9	0.512	392.563	0.6235	0.6062	0.3031	0.87	0.9913	0.0053	46.01	0.5397	46.22	1.3013	238.6	443.6	4.2E-06	8.37E-06	7.5E-04	0.0406
01-Aug	15:36:00	153.60	86.40	226	21	41.49	-68.63	41.159	26.4%	10.8	0.511	393.187	0.6235	0.6058	0.3029	0.88	0.9912	0.0054	46.01	0.5399	46.21	1.3008	239.6	445.5	4.2E-06	8.41E-06	7.5E-04	0.0413
01-Aug	15:38:00	154.10	86.20	228	21	41.48	-68.60	41.135	26.4%	10.8	0.510	393.810	0.6235	0.6061	0.3031	0.88	0.9912	0.0054	45.96	0.5404	46.20	1.3012	241.8	449.4	4.2E-06	8.49E-06	7.6E-04	0.0421
01-Aug	15:40:00	154.50	86.40	228	21	41.44	-68.57	41.112	26.3%	10.8	0.509	394.434	0.6235	0.6059	0.3029	0.88	0.9912	0.0054	45.93	0.5407	46.19	1.3009	241.8	449.3	4.2E-06	8.48E-06	7.6E-04	0.0428
01-Aug	15:42:00	155.20	86.40	229	22	41.44	-68.53	41.088	26.3%	10.8	0.508	395.057	0.6235	0.6056	0.3028	0.92	0.9908	0.0057	45.91	0.5409	46.18	1.3013	242.8	451.2	4.3E-06	8.52E-06	7.6E-04	0.0436
01-Aug	15:44:00	155.90	86.40	230	21	41.43	-68.50	41.064	26.2%	10.8	0.508	395.681	0.6235	0.6059	0.3029	0.88	0.9912	0.0054	45.85	0.5415	46.17	1.3019	243.9	453.0	4.3E-06	8.56E-06	7.7E-04	0.0444
01-Aug	15:46:00	156.40	86.40	231	20	41.45	-68.47	41.040	26.1%	10.7	0.507	396.304	0.6235	0.6061	0.3031	0.84	0.9916	0.0051	45.79	0.5421	46.16	1.3020	244.9	454.9	4.3E-06	8.59E-06	7.7E-04	0.0451
01-Aug	15:48:00	156.60	86.40	232	20	41.41	-68.43	41.017	26.1%	10.7	0.506	396.928	0.6235	0.6061	0.3031	0.84	0.9916	0.0051	45.75	0.5425	46.14	1.3015	246.0	456.7	4.3E-06	8.63E-06	7.7E-04	0.0459
01-Aug	15:50:00	156.80	86.40	235	21	41.40	-68.40	40.993	26.0%	10.7	0.505	397.551	0.6235	0.6058	0.3029	0.88	0.9912	0.0054	45.73	0.5427	46.12	1.3009	249.2	462.5	4.4E-06	8.73E-06	7.8E-04	0.0467
01-Aug	15:52:00	157.60	86.70	233	20	41.38	-68.37	40.969	26.0%	10.7	0.504	398.175	0.6235	0.6057	0.3029	0.85	0.9915	0.0052	45.69	0.5431	46.11	1.3013	247.1	458.4	4.3E-06	8.66E-06	7.7E-04	0.0474
01-Aug	15:54:00	157.90	86.50	236	21	41.35	-68.33	40.946	25.9%	10.7	0.504	398.798	0.6235	0.6057	0.3029	0.89	0.9911	0.0054	45.66	0.5434	46.09	1.3013	250.2	464.2	4.4E-06	8.76E-06	7.8E-04	0.0482
01-Aug	15:56:00	158.20	86.60	235	21	41.35	-68.30	40.922	25.9%	10.7	0.503	399.422	0.6235	0.6056	0.3028	0.89	0.9911	0.0054	45.63	0.5437	46.07	1.3008	249.2	462.1	4.4E-06	8.72E-06	7.8E-04	0.0490
01-Aug	15:58:00	158.60	86.50	236	21	41.33	-68.27	40.899	25.8%	10.6	0.502	400.045	0.6235	0.6057	0.3029	0.89	0.9911	0.0054	45.58	0.5442	46.05	1.3009	250.2	463.9	4.4E-06	8.76E-06	7.8E-04	0.0498
01-Aug	16:00:00	159.00	86.60	235	22	41.32	-68.23	40.875	25.8%	10.6	0.501	400.669	0.6235	0.6053	0.3027	0.93	0.9907	0.0057	45.57	0.5443	46.04	1.3006	249.2	461.7	4.4E-06	8.71E-06	7.8E-04	0.0506
01-Aug	16:02:00	159.20	86.50	238	21	41.29	-68.20	40.852	25.7%	10.6	0.500	401.292	0.6235	0.6057	0.3029	0.89	0.9911	0.0054	45.50	0.5450	46.02	1.3002	252.4	467.5	4.4E-06	8.83E-06	7.9E-04	0.0514
01-Aug	16:04:00	159.70	86.60	238	22	41.28	-68.17	40.829	25.7%	10.6	0.500	401.916	0.6235	0.6053	0.3027	0.93	0.9907	0.0057	45.49	0.5451	45.99	1.3002	252.4	467.3	4.4E-06	8.82E-06	7.9E-04	0.0522
01-Aug	16:06:00	160.30	86.70	239	21	41.31	-68.13	40.805	25.6%	10.6	0.499	402.539	0.6235	0.6055	0.3027	0.89	0.9911	0.0054	45.44	0.5456	45.97	1.3004	253.4	469.1	4.4E-06	8.85E-06	7.9E-04	0.0529
01-Aug	16:08:00	160.50	86.70	240	21	41.30	-68.10	40.782	25.6%	10.6	0.498	403.163	0.6235	0.6054	0.3027	0.89	0.9911	0.0054	45.40	0.5460	45.95	1.2998	254.5	470.8	4.4E-06	8.89E-06	7.9E-04	0.0537
01-Aug	16:10:00	161.60	86.90	239	20	41.28	-68.07	40.759	25.5%	10.5	0.497	403.786	0.6235	0.6055	0.3027	0.85	0.9915	0.0052	45.34	0.5466	45.93	1.3010	253.4	468.7	4.4E-06	8.85E-06	7.9E-04	0.0545
01-Aug	16:12:00	161.70	86.90	241	21	41.26	-68.03	40.736	25.5%	10.5	0.496	404.410	0.6235	0.6052	0.3026	0.90	0.9910	0.0055	45.33	0.5467	45.90	1.3002	255.5	472.4	4.5E-06	8.91E-06	8.0E-04	0.0553
01-Aug	16:14:00	162.10	87.00	242	21	41.26	-68.00	40.713	25.4%	10.5	0.495	405.033	0.6235	0.6051	0.3025	0.90	0.9910	0.0055	45.30	0.5470	45.88	1.3000	256.6	474.1	4.5E-06	8.94E-06	8.0E-04	0.0561
01-Aug	16:16:00	162.80	87.00	250	21	41.24	-67.97	40.689	25.3%	10.5	0.495	405.657	0.6235	0.6051	0.3025	0.90	0.9910	0.0055	45.26	0.5474	45.86	1.3005	265.1	489.6	4.6E-06	9.23E-06	8.3E-04	0.0570
01-Aug	16:18:00	163.40	86.90	245	20	41.17	-67.93	40.666	25.3%	10.5	0.494	406.281	0.6235	0.6055	0.3027	0.85	0.9915	0.0052	45.19	0.5481	45.83	1.3010	259.8	479.6	4.5E-06	9.05E-06	8.1E-04	0.0578
01-Aug	16:20:00	164.20	86.90	246	20	41.16	-67.90	40.643	25.2%	10.5	0.493	406.904	0.6235	0.6055	0.3027	0.85	0.9915	0.0052	45.15	0.5485	45.80	1.3017	260.8	481.3	4.5E-06	9.08E-06	8.1E-04	0.0586
01-Aug	16:22:00	164.40	86.90	245	20	41.17	-67.87	40.620	25.2%	10.4	0.492	407.528	0.6235	0.6055	0.3027	0.85	0.9915	0.0052	45.11	0.5489	45.78	1.3011	259.8	479.3	4.5E-06	9.04E-06	8.1E-04	0.0594
01-Aug	16:24:00	164.50	86.90	245	21	41.17	-67.83	40.597	25.1%	10.4	0.492	408.151	0.6235	0.6052	0.3026	0.90	0.9910	0.0055	45.09	0.5491	45.75	1.3004	259.8	478.8	4.5E-06	9.03E-06	8.1E-04	0.0602
01-Aug	16:26:00	165.40	87.10	248	20	41.14	-67.80	40.574	25.1%	10.4	0.491	408.775	0.6235	0.6052	0.3026	0.86	0.9914	0.0052	45.04	0.5496	45.72	1.3011	263.0	484.5	4.6E-06	9.14E-06	8.2E-04	0.0610
01-Aug	16:28:00	165.60	87.00	254	22	41.14	-67.77	40.551	25.0%	10.4	0.490	409.398	0.6235	0.6048	0.3024	0.94	0.9906	0.0058	45.04	0.5496	45.69	1.3007	269.3	495.9	4.7E-06	9.35E-06	8.4E-04	0.0618
01-Aug	16:30:00	166.20	87.20	245	20	41.12	-67.73	40.529	[illegible]	10.4	0.489	410.022	0.6235	0.6051	0.3025	0.86	0.9914	0.0053	44.97	0.5503	45.67	1.3008	259.8	478.1	4.5E-06	9.02E-06	8.1E-04	0.0627
01-Aug	16:32:00	166.70	87.30	249	20	41.08	-67.70	40.506	24.9%	10.4	0.488	410.645	0.6235	0.6050	0.3025	0.86	0.9914	0.0053	44.93	0.5507	45.64	1.3007	264.0	485.7	4.6E-06	9.16E-06	8.2E-04	0.0635
01-Aug	16:34:00	167.00	87.40	249	20	41.07	-67.67	40.483	24.9%	10.3	0.488	411.269	0.6235	0.6048	0.3024	0.87	0.9913	0.0053	44.90	0.5510	45.61	1.3002	264.0	485.4	4.6E-06	9.15E-06	8.2E-04	0.0643
01-Aug	16:36:00	167.30	87.20	251	20	41.05	-67.63	40.460	24.8%	10.3	0.487	411.892	0.6235	0.6051	0.3025	0.86	0.9914	0.0053	44.85	0.5515	45.58	1.3002	266.1	489.0	4.6E-06	9.22E-06	8.3E-04	0.0651
01-Aug	16:38:00	167.90	87.30	252	20	41.02	-67.60	40.437	24.8%	10.3	0.486	412.516	0.6235	0.6050	0.3025	0.86	0.9914	0.0053	44.81	0.5519	45.55	1.3004	267.2	490.7	4.6E-06	9.25E-06	8.3E-04	0.0659
01-Aug	16:40:00	168.10	87.40	251	21	40.99	-67.57	40.415	24.7%	10.3	0.485	413.139	0.6235	0.6046	0.3023	0.91	0.9909	0.0056	44.80	0.5520	45.52	1.2997	266.1	488.5	4.6E-06	9.21E-06	8.2E-04	0.0667
01-Aug	16:42:00	168.90	87.40	252	21	40.98	-67.53	40.392	24.7%	10.3	0.484	413.763	0.6235	0.6046	0.3023	0.91	0.9909	0.0056	44.76	0.5524	45.49	1.3003	267.2	490.2	4.6E-06	9.24E-06	8.3E-04	0.0675
01-Aug	16:44:00	168.70	87.30	251	20	40.99	-67.50	40.369	24.6%	10.3	0.484	414.386	0.6235	0.6050	0.3025	0.86	0.9914	0.0053	44.69	0.5531	45.46	1.2993	268.3	493.8	4.6E-06	9.28E-06	8.3E-04	0.0684
01-Aug	16:46:00	168.90	87.20	252	21	40.99	-67.47	40.347	24.6%	10.2	0.481	415.010	0.6235	0.6048	0.3024	0.91	0.9909	0.0055	44.67	0.5533	45.43	1.2989	267.2	489.6	4.6E-06	9.23E-06	8.3E-04	0.0692
01-Aug	16:48:00	169.30	87.40	255	20	40.95	-67.43	40.324	24.5%	10.2	0.482	415.633	0.6235	0.6048	0.3024	0.87	0.9913	0.0053	44.62	0.5538	45.40	1.2984	270.4	495.2	4.7E-06	9.34E-06	8.3E-04	0.0700
01-Aug	16:49:00											415.945																
01-Aug	16:50:00	169.90	87.40	253	21	40.93	-67.40	40.302	24.5%	10.2	0.481	416.287	0.6513	0.6335	0.3167	0.91	0.9909	0.0058	43.43	0.5653	45.36	1.3335	268.3	491.0	4.8E-06	9.69E-06	8.7E-04	0.0709
01-Aug	16:52:00	170.10	87.40	255	21	40.85	-67.37	40.279	24.4%	10.2	0.480	416.970	0.6811	0.6623	0.3312	0.91	0.9909	0.0061	42.35	0.5765	45.28	1.3676	270.4	494.1	5.1E-06	1.02E-05	9.1E-04	0.0719
01-Aug	16:54:00	170.10	87.30	254	21	40.92	-67.33	40.257	24.4%	10.2	0.480	417.613	0.6810	0.6624	0.3312	0.91	0.9909	0.0061	42.30	0.5770	45.16	1.3668	269.3	491.1	5.1E-06	1.01E-05	9.1E-04	0.0728
01-Aug	16:56:00	170.70	87.40	256	20	40.87	-67.30	40.235	24.3%	10.2	0.479	418.116	0.6811	0.6626	0.3313	0.87	0.9913	0.0058	42.25	0.5775	45.03	1.3671	271.4	493.8	5.1E-06	1.02E-05	9.1E-04	0.0737
01-Aug	16:58:00	170.90	87.50	255	23	40.88	-67.27	40.212	24.3%	10.1	0.478	419.019	0.6831	0.6616	0.3308	1.00	0.9900	0.0067	42.29	0.5771	44.91	1.3664	270.4	490.8	5.1E-06	1.01E-05	9.1E-04	0.0746
01-Aug	17:00:00	171.00	87.50	243	20	40.86	-67.23	40.190	24.2%	10.1	0.477	419.701	0.6830	0.6624	0.3312	0.87	0.9913	0.0058	42.17	0.5783	44.80	1.3657	257.7	466.7	4.8E-06	9.64E-06	8.6E-04	0.0755
01-Aug	17:02:00	171.20	87.40	250	20	40.84	-67.20	40.168	24.2%	10.1	0.477	420.381	0.6831	0.6626	0.3313	0.87	0.9913	0.0058	42.13	0.5787	44.68	1.3654	265.1	479.2	4.9E-06	9.90E-06	8.9E-04	0.0764
01-Aug	17:04:00	171.80	87.40	256	21	40.81	-67.17	40.145	24.1%	10.1	0.476	421.068	0.6831	0.6621	0.3312	0.91	0.9909	0.0061	42.11	0.5789	44.57	1.3657	271.4	489.7	5.1E-06	1.01E-05	9.0E-04	0.0773
01-Aug	17:06:00	172.00	87.40	256	21	40.80	-67.13	40.123	24.1%	10.1	0.475	421.751	0.6830	0.6621	0.3311	0.91	0.9909	0.0061	42.07	0.5793	44.46	1.3652	271.4	488.8	5.0E-06	1.01E-05	9.0E-04	0.0782
01-Aug	17:08:00	171.80	87.40	257	20	40.82	-67.10	40.101	24.0%	10.1	0.474	422.434	0.6831	0.6626	0.3313	0.87	0.9913	0.0058	42.01	0.5799	44.36	1.3639	272.5	489.8	5.1E-06	1.01E-05	9.0E-04	0.0791
01-Aug	17:10:00	172.10	87.50	255	22	40.76	-67.07	40.079	24.0%	10.0	0.473	423.117	0.6831	0.6619	0.3309	0.96	0.9904	0.0064	42.03	0.5797	44.26	1.3634	270.4	485.1	5.0E-06	1.00E-05	9.0E-04	0.0799
01-Aug	17:12:00	172.30	87.40	256	21	40.76	-67.03	40.057	23.9%	10.0	0.473	423.800	0.6830	0.6623	0.3311	0.91	0.9909	0.0061	41.96	0.5804	44.16	1.3630	271.4	486.1	5.0E-06	1.00E-05	9.0E-04	0.0808
01-Aug	17:14:00	172.70	87.60	257	21	40.72	-67.00	40.035	23.9%	10.0	0.472	424.483	0.6830	0.6620	0.3310	0.92	0.9908	0.0061	41.93	0.5807	44.07	1.3621	272.5	487.2	5.0E-06	1.01E-05	9.0E-04	0.0817

Bone Dry Wood wt → ~29.580 lbm

Northwest Hardwood
Alder
August 1-4, 1996

Y=	1.0119	Span	691.2	567	571 ppmv	DBFT	Chamber	Cm
Pb=	29.9283 inHg	Zero	0	0	-19 ppmv	31.18	30.0^	ft³
Pb=	101.59 kPa							

NDDIP	x	F(x)	A	B	C	D
m	-72.03	43.80	-0.53498	0.00919	-0.00011	0.00000
n	-52.50	33.35	-0.14224	0.00326	-0.00005	
p	-29.30	30.03	-0.02546	0.00036		
q	-16.73	29.73	-0.00896			
r	0.00	29.52				

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
"Date"	"Time"	"Value" Tc F	"Value" Tm F	"Value" VOC ppmv	"Value" RH %	"Value" M lbm	dt (hrs)	Calculated Wood Mass Wm lbm	Calculated Wood Moisture %Dwc %	Wood Water Change dWw g	Wood Water Volume Vw(wood) dscf	Meter Reading cuft ΔVm ft³	Inlet Meter Volume Wet Vm(wet) wacf	Inlet Meter Volume Dry Vm(std) dscf	Inlet Flowrate Dry Q(std) dscf/min	Inlet Air Moisture Bws(inlet) %	Inlet Air Fraction dry mf(inlet)	Inlet Water Volume Vw(std) dscf	Inlet Air Moisture BWS(1) %	Inlet Air Dry mf(2)	Cumulative Chamber Moisture BWS(3) %	New Gases in Chamber Conditions Vi ft³	Cgas(wet) ppmv	Cgas(Dry) ppmv	Mgas lbm/min	lbm	lbm/Mdbft	lbm/Mdbft
AVG		361.21	299.01	78.15	25.67	14.53																						
01-Aug	09:14:00	190.43	78.55																									
01-Aug	17:16:00	172.90	87.40	257	21	40.75	-66.97	40.013	23.8%	10.0	0.471	425.166	0.6831	0.6623	0.3312	0.91	0.9909	0.0061	41.88	0.5812	43.97	1.3623	272.5	466.4	5.0E-06	1.00E-05	9.0E-04	0.0826
01-Aug	17:18:00	173.10	87.80	255	20	40.73	-66.93	39.991	23.8%	10.0	0.470	425.850	0.6831	0.6626	0.3313	0.87	0.9913	0.0058	41.81	0.5819	43.88	1.3620	270.4	481.3	5.0E-06	9.95E-06	8.9E-04	0.0835
01-Aug	17:20:00	173.20	87.50	255	21	40.71	-66.90	39.969	23.7%	10.0	0.470	426.533	0.6830	0.6622	0.3311	0.91	0.9909	0.0061	41.80	0.5820	43.79	1.3611	270.4	481.0	5.0E-06	9.93E-06	8.9E-04	0.0844
01-Aug	17:22:00	173.60	87.70	256	21	40.70	-66.87	39.947	23.7%	9.9	0.469	427.216	0.6831	0.6619	0.3310	0.92	0.9908	0.0061	41.78	0.5822	43.71	1.3603	271.4	482.2	5.0E-06	9.95E-06	8.9E-04	0.0853
01-Aug	17:24:00	173.60	87.20	256	21	40.67	-66.83	39.925	23.6%	9.9	0.468	427.899	0.6831	0.6619	0.3310	0.92	0.9908	0.0061	41.74	0.5826	43.62	1.3599	271.4	481.5	5.0E-06	9.93E-06	8.9E-04	0.0862
01-Aug	17:26:00	173.60	87.50	252	22	40.63	-66.80	39.903	23.6%	9.9	0.467	428.582	0.6830	0.6619	0.3309	0.96	0.9904	0.0064	41.71	0.5829	43.54	1.3592	267.2	475.3	4.9E-06	9.76E-06	8.7E-04	0.0871
01-Aug	17:28:00	173.80	87.70	253	20	40.63	-66.77	39.881	23.5%	9.9	0.466	429.265	0.6831	0.6622	0.3311	0.88	0.9912	0.0059	41.63	0.5837	43.46	1.3585	268.3	474.5	4.9E-06	9.79E-06	8.8E-04	0.0879
01-Aug	17:30:00	174.00	87.70	257	20	40.63	-66.73	39.860	23.5%	9.9	0.466	429.948	0.6831	0.6622	0.3311	0.88	0.9912	0.0059	41.59	0.5841	43.38	1.3580	272.5	481.3	5.0E-06	9.93E-06	8.9E-04	0.0888
01-Aug	17:32:00	174.00	87.50	255	21	40.60	-66.70	39.838	23.4%	9.9	0.465	430.631	0.6830	0.6622	0.3311	0.91	0.9909	0.0061	41.57	0.5843	43.31	1.3573	270.4	476.9	4.9E-06	9.84E-06	8.8E-04	0.0897
01-Aug	17:34:00	174.30	87.70	255	20	40.57	-66.67	39.816	23.4%	9.8	0.464	431.314	0.6831	0.6619	0.3310	0.92	0.9908	0.0061	41.54	0.5846	43.23	1.3568	270.4	476.3	4.9E-06	9.83E-06	8.8E-04	0.0906
01-Aug	17:36:00	174.30	87.60	255	21	40.60	-66.63	39.794	23.3%	9.8	0.463	431.997	0.6831	0.6623	0.3312	0.87	0.9913	0.0058	41.47	0.5853	43.16	1.3560	270.4	475.7	4.9E-06	9.82E-06	8.8E-04	0.0915
01-Aug	17:38:00	174.60	87.70	254	20	40.59	-66.60	39.773	23.3%	9.8	0.463	432.680	0.6830	0.6622	0.3311	0.88	0.9912	0.0059	41.43	0.5857	43.08	1.3556	269.3	473.2	4.9E-06	9.77E-06	8.7E-04	0.0923
01-Aug	17:40:00	174.80	87.70	255	20	40.59	-66.57	39.751	23.2%	9.8	0.462	433.363	0.6831	0.6622	0.3311	0.88	0.9912	0.0059	41.39	0.5861	43.01	1.3551	270.4	474.5	4.9E-06	9.79E-06	8.8E-04	0.0932
01-Aug	17:42:00	175.00	87.60	257	20	40.56	-66.53	39.730	23.2%	9.8	0.461	434.046	0.6831	0.6623	0.3312	0.87	0.9913	0.0058	41.35	0.5865	42.94	1.3544	272.5	477.5	4.9E-06	9.85E-06	8.8E-04	0.0941
01-Aug	17:44:00	174.90	87.80	250	20	40.52	-66.50	39.708	23.1%	9.8	0.460	434.729	0.6830	0.6620	0.3310	0.87	0.9912	0.0059	41.32	0.5868	42.87	1.3538	265.1	464.0	4.8E-06	9.58E-06	8.6E-04	0.0950
01-Aug	17:46:00	175.20	87.60	254	20	40.55	-66.47	39.687	23.1%	9.7	0.460	435.412	0.6831	0.6623	0.3312	0.87	0.9913	0.0058	41.27	0.5873	42.81	1.3534	269.3	470.9	4.9E-06	9.72E-06	8.7E-04	0.0958
01-Aug	17:48:00	175.20	87.50	253	20	40.53	-66.43	39.665	23.0%	9.7	0.459	436.096	0.6831	0.6625	0.3312	0.87	0.9913	0.0058	41.22	0.5878	42.74	1.3526	268.3	468.5	4.8E-06	9.67E-06	8.7E-04	0.0967
01-Aug	17:50:00	175.50	87.70	253	20	40.55	-66.40	39.644	23.0%	9.7	0.458	436.779	0.6831	0.6622	0.3311	0.88	0.9912	0.0059	41.20	0.5880	42.68	1.3520	268.3	468.0	4.8E-06	9.66E-06	8.6E-04	0.0976
01-Aug	17:52:00	175.60	87.50	252	20	40.46	-66.37	39.622	22.9%	9.7	0.457	437.462	0.6830	0.6624	0.3312	0.87	0.9913	0.0058	41.14	0.5886	42.61	1.3516	267.2	465.6	4.8E-06	9.61E-06	8.6E-04	0.0984
01-Aug	17:54:00	175.30	87.50	239	21	40.48	-66.33	39.601	22.9%	9.7	0.457	438.145	0.6831	0.6622	0.3311	0.91	0.9909	0.0061	41.13	0.5887	42.55	1.3501	253.4	441.1	4.6E-06	9.10E-06	8.1E-04	0.0992
01-Aug	17:56:00	175.90	87.50	241	20	40.42	-66.30	39.580	22.8%	9.7	0.456	438.828	0.6831	0.6625	0.3312	0.87	0.9913	0.0058	41.07	0.5893	42.49	1.3505	263.0	457.2	4.7E-06	9.44E-06	8.4E-04	0.1001
01-Aug	17:58:00	175.90	87.50	250	20	40.41	-66.27	39.558	22.8%	9.6	0.455	439.511	0.6830	0.6624	0.3312	0.87	0.9913	0.0058	41.03	0.5897	42.43	1.3491	265.1	460.4	4.8E-06	9.51E-06	8.5E-04	0.1009
01-Aug	18:00:00	176.10	87.50	249	20	40.39	-66.23	39.537	22.7%	9.6	0.454	440.194	0.6831	0.6623	0.3312	0.87	0.9913	0.0058	41.00	0.5900	42.37	1.3491	264.0	458.1	4.7E-06	9.46E-06	8.5E-04	0.1018
01-Aug	18:02:00	176.00	87.50	249	20	40.41	-66.20	39.516	22.7%	9.6	0.453	440.877	0.6831	0.6623	0.3312	0.87	0.9913	0.0058	40.95	0.5905	42.31	1.3479	264.0	457.6	4.7E-06	9.45E-06	8.5E-04	0.1026
01-Aug	18:04:00	175.90	87.40	246	20	40.36	-66.17	39.495	22.6%	9.6	0.452	441.560	0.6830	0.6626	0.3313	0.87	0.9913	0.0058	40.90	0.5910	42.25	1.3469	260.8	451.7	4.7E-06	9.33E-06	8.3E-04	0.1034
01-Aug	18:06:00	176.00	87.40	245	20	40.36	-66.13	39.474	22.6%	9.6	0.452	442.243	0.6831	0.6626	0.3313	0.87	0.9913	0.0058	40.86	0.5914	42.19	1.3463	270.4	467.7	4.8E-06	9.66E-06	8.6E-04	0.1043
01-Aug	18:08:00	176.10	87.20	249	20	40.33	-66.10	39.453	22.5%	9.6	0.451	442.926	0.6831	0.6629	0.3314	0.86	0.9914	0.0058	40.81	0.5919	42.13	1.3459	264.0	456.3	4.7E-06	9.43E-06	8.4E-04	0.1052
01-Aug	18:10:00	176.10	87.40	248	19	40.32	-66.07	39.432	22.5%	9.6	0.450	443.609	0.6830	0.6629	0.3314	0.82	0.9918	0.0055	40.76	0.5924	42.08	1.3446	263.0	454.0	4.7E-06	9.31E-06	8.4E-04	0.1060
01-Aug	18:12:00	176.00	87.50	246	19	40.28	-66.03	39.411	22.4%	9.5	0.450	444.292	0.6831	0.6629	0.3315	0.82	0.9918	0.0055	40.72	0.5928	42.02	1.3436	260.8	449.9	4.6E-06	9.30E-06	8.3E-04	0.1068
01-Aug	18:14:00	176.10	87.20	246	19	40.27	-66.00	39.390	22.4%	9.5	0.449	444.975	0.6831	0.6632	0.3316	0.82	0.9918	0.0055	40.66	0.5934	41.96	1.3432	260.8	449.4	4.6E-06	9.29E-06	8.3E-04	0.1077
01-Aug	18:16:00	176.50	87.40	243	19	40.28	-65.97	39.369	22.3%	9.5	0.448	445.659	0.6831	0.6629	0.3315	0.82	0.9918	0.0055	40.64	0.5936	41.91	1.3428	257.7	443.5	4.6E-06	9.17E-06	8.2E-04	0.1085
01-Aug	18:18:00	176.30	87.40	241	19	40.24	-65.93	39.348	22.3%	9.5	0.447	446.342	0.6830	0.6629	0.3314	0.82	0.9918	0.0055	40.60	0.5940	41.85	1.3415	255.5	439.5	4.5E-06	9.08E-06	8.1E-04	0.1093
01-Aug	18:20:00	176.50	87.30	242	19	40.21	-65.90	39.327	22.2%	9.5	0.447	447.025	0.6831	0.6630	0.3315	0.82	0.9918	0.0055	40.55	0.5945	41.80	1.3412	256.6	440.9	4.6E-06	9.11E-06	8.2E-04	0.1101
01-Aug	18:22:00	176.80	87.40	244	19	40.20	-65.87	39.306	22.2%	9.5	0.446	447.708	0.6831	0.6629	0.3315	0.82	0.9918	0.0055	40.52	0.5948	41.75	1.3408	258.7	444.1	4.6E-06	9.18E-06	8.2E-04	0.1109
01-Aug	18:24:00	176.80	87.40	243	19	40.19	-65.83	39.285	22.1%	9.4	0.445	448.391	0.6830	0.6629	0.3314	0.82	0.9918	0.0055	40.48	0.5952	41.70	1.3398	257.7	441.9	4.6E-06	9.13E-06	8.2E-04	0.1117
01-Aug	18:26:00	176.80	87.40	234	19	39.91	-65.80	39.264	22.1%	9.4	0.445	449.074	0.6831	0.6629	0.3315	0.82	0.9918	0.0055	40.44	0.5956	41.64	1.3390	248.1	425.2	4.4E-06	8.79E-06	7.9E-04	0.1125
01-Aug	18:28:00	176.90	87.40	239	20	39.88	-65.77	39.244	22.0%	9.4	0.444	449.757	0.6831	0.6626	0.3313	0.87	0.9913	0.0058	40.42	0.5958	41.59	1.3383	251.4	433.9	4.5E-06	8.96E-06	8.0E-04	0.1133
01-Aug	18:30:00	177.10	87.50	238	19	39.92	-65.73	39.223	22.0%	9.4	0.443	450.440	0.6830	0.6627	0.3314	0.83	0.9917	0.0055	40.36	0.5964	41.54	1.3376	252.4	431.7	4.5E-06	8.92E-06	8.0E-04	0.1141
01-Aug	18:32:00	176.90	87.50	240	19	39.88	-65.70	39.202	22.0%	9.4	0.442	451.123	0.6831	0.6628	0.3314	0.83	0.9917	0.0055	40.32	0.5968	41.49	1.3364	254.5	434.9	4.5E-06	8.99E-06	8.0E-04	0.1149
01-Aug	18:34:00	177.30	87.40	242	20	39.87	-65.67	39.182	21.9%	9.4	0.442	451.806	0.6831	0.6626	0.3313	0.87	0.9913	0.0058	40.30	0.5970	41.44	1.3365	256.6	437.2	4.5E-06	9.05E-06	8.1E-04	0.1157
01-Aug	18:36:00	177.60	87.60	233	20	39.88	-65.63	39.161	21.9%	9.3	0.441	452.489	0.6830	0.6623	0.3312	0.87	0.9913	0.0058	40.28	0.5972	41.39	1.3358	247.1	421.5	4.4E-06	8.70E-06	7.8E-04	0.1165
01-Aug	18:38:00	177.30	87.40	238	19	39.88	-65.60	39.140	21.8%	9.3	0.440	453.172	0.6831	0.6629	0.3315	0.82	0.9918	0.0055	40.20	0.5980	41.35	1.3347	252.4	430.2	4.4E-06	8.89E-06	8.0E-04	0.1173
01-Aug	18:40:00	177.40	87.40	238	20	39.90	-65.57	39.120	21.8%	9.3	0.439	453.855	0.6831	0.6626	0.3313	0.87	0.9913	0.0058	40.18	0.5982	41.30	1.3340	252.4	429.9	4.4E-06	8.88E-06	7.9E-04	0.1181
01-Aug	18:42:00	177.50	87.50	236	19	39.85	-65.53	39.099	21.7%	9.3	0.439	454.538	0.6830	0.6627	0.3314	0.83	0.9917	0.0055	40.12	0.5988	41.25	1.3331	250.2	425.9	4.4E-06	8.80E-06	7.9E-04	0.1189
01-Aug	18:44:00	177.70	87.40	233	19	39.83	-65.50	39.079	21.7%	9.3	0.438	455.222	0.6831	0.6629	0.3315	0.82	0.9918	0.0055	40.08	0.5992	41.20	1.3328	247.1	420.2	4.3E-06	8.68E-06	7.8E-04	0.1197
01-Aug	18:46:00	177.60	87.40	233	19	39.84	-65.47	39.058	21.6%	9.3	0.437	455.905	0.6831	0.6629	0.3315	0.82	0.9918	0.0055	40.04	0.5996	41.15	1.3317	247.1	419.8	4.3E-06	8.68E-06	7.8E-04	0.1204
01-Aug	18:48:00	177.70	87.30	232	19	39.80	-65.43	39.038	21.6%	9.3	0.436	456.588	0.6831	0.6630	0.3315	0.82	0.9918	0.0055	39.99	0.6001	41.11	1.3312	246.0	417.7	4.3E-06	8.63E-06	7.7E-04	0.1212
01-Aug	18:50:00	177.50	87.20	234	20	39.84	-65.40	39.018	21.5%	9.2	0.436	457.271	0.6830	0.6629	0.3314	0.86	0.9914	0.0058	39.97	0.6003	41.06	1.3300	248.1	421.0	4.3E-06	8.70E-06	7.8E-04	0.1220
01-Aug	18:52:00	177.70	87.20	233	20	39.80	-65.37	38.997	21.5%	9.2	0.435	457.954	0.6831	0.6629	0.3314	0.86	0.9914	0.0058	39.93	0.6007	41.01	1.3296	247.1	418.8	4.3E-06	8.65E-06	7.7E-04	0.1228
01-Aug	18:54:00	178.10	87.20	229	20	39.84	-65.33	38.977	21.4%	9.2	0.434	458.617	0.6831	0.6629	0.3314	0.86	0.9914	0.0058	39.89	0.6011	40.97	1.3295	242.8	411.3	4.2E-06	8.50E-06	7.6E-04	0.1235
01-Aug	18:56:00	178.10	87.20	230	20	39.80	-65.30	38.957	21.4%	9.2	0.433	459.320	0.6830	0.6629	0.3314	0.86	0.9914	0.0058	39.85	0.6015	40.91	1.3286	243.9	412.8	4.3E-06	8.53E-06	7.6E-04	0.1243
01-Aug	18:58:00	177.90	87.20	233	20	39.81	-65.27	38.936	21.3%	9.2	0.433	460.003	0.6831	0.6629	0.3314	0.86	0.9914	0.0058	39.81	0.6019	40.88	1.3274	247.3	417.9	4.3E-06	8.63E-06	7.7E-04	0.1251
01-Aug	19:00:00	178.20	87.10	229	19	39.82	-65.23	38.916	21.3%	9.2	0.432	460.686	0.6831	0.6633	0.3317	0.82	0.9918	0.0055	39.74	0.6026	40.83	1.3273	242.8	410.4	4.2E-06	8.49E-06	7.6E-04	0.1258
01-Aug	19:02:00	178.30	87.10	231	19	39.80	-65.20	38.896	21.3%	9.1	0.431	461.369	0.6830	0.6633	0.3316	0.82	0.9918	0.0055	39.70	0.6030	40.79	1.3265	244.9	413.6	4.3E-06	8.55E-06	7.6E-04	0.1266
01-Aug	19:04:00	178.20	87.10	227	19	39.78	-65.17	38.876	21.2%	9.1	0.431	462.052	0.6831	0.6633	0.3317	0.82	0.9918	0.0055	39.66	0.6034	40.74	1.3255	240.7	406.2	4.2E-06	8.40E-06	7.5E-04	0.1273
01-Aug	19:06:00	178.40	86.90	226	19	39.75	-65.13	38.856	21.2%	9.1	0.430	462.735	0.6831	0.6635	0.3318	0.81	0.9919	0.0054	39.61	0.6039	40.69	1.3253	239.6	404.1	4.2E-06	8.36E-06	7.5E-04	0.1281
01-Aug	19:08:00	178.40	87.00	225	19	39.73	-65.10	38.836	21.1%	9.1	0.429	463.418	0.6830	0.6634	0.3317	0.81	0.9919	0.0054	39.58	0.6042	40.65	1.3243	238.6	402.0	4.2E-06	8.31E-06	7.4E-04	0.1288
01-Aug	19:10:00	178.40	86.80	223	19	39.68	-65.07	38.816	21.1%	9.1	0.428	464.101	0.6831	0.6637	0.3319	0.81	0.9919	0.0054	39.52	0.6048	40.60	1.3237	236.5	398.1	4.1E-06	8.24E-06	7.4E-04	0.1296
01-Aug	19:12:00	178.20	86.90	224	19	39.71	-65.03	38.796	21.0%	9.1	0.428	464.785	0.6831	0.6636	0.3318	0.81	0.9919	0.0054	39.49	0.6051	40.56	1.3223	237.5	399.6	4.1E-06	8.27E-06	7.4E-04	0.1303
01-Aug	19:14:00	178.50	87.00	225	19	39.71	-65.00	38.776	21.0%	9.1	0.427	465.468	0.6830	0.6634	0.3317	0.81	0.9919	0.0054	39.46	0.6054	40.51	1.3218	238.6	401.0	4.1E-06	8.29E-06	7.4E-04	0.1311
01-Aug	19:16:00	178.60	86.90	226	20	39.72	-64.97	38.756	20.9%	9.0	0.426	466.151	0.6831	0.6633	0.3317	0.85	0.9915	0.0057	39.44	0.6056	40.47	1.3214	239.6	402.5	4.2E-06	8.32E-06	7.4E-04	0.1318
01-Aug	19:18:00	179.00	86.90	224	19	39.68	-64.93	38.736	20.9%	9.0	0.425	466.834	0.6831	0.6636	0.3318	0.81	0.9919	0.0054	39.37	0.6063	40.42	1.3213	237.5	398.7	4.1E-06	8.25E-06	7.4E-04	0.1325
01-Aug	19:20:00	179.10	86.90	217	20	39.65	-64.90	38.716	20.8%	9.0	0.425	467.517	0.6831	0.6633	0.3317	0.85	0.9915	0.0057	39.36	0.6064	40.38	1.3207	230.1	385.9	4.0E-06	7.98E-06	7.1E-04	0.1332
01-Aug	19:22:00	178.80	86.90	219	20	39.68	-64.87	38.696	20.8%	9.0	0.424	468.200	0.6830	0.6633	0.3316	0.85	0.9915	0.0057	39.32	0.6068	40.34	1.3198	232.2	389.2	4.0E-06	8.05E-06	7.2E-04	0.1340
01-Aug	19:24:00	178.80	86.90	219	20	39.65	-64.83	38.677	20.8%	9.0	0.423	468.883	0.6831	0.6633	0.3317	0.85	0.9915	0.0057	39.28	0.6072	40.29	1.3183	232.2	388.9	4.0E-06	8.04E-06	7.2E-04	0.1347
01-Aug	19:26:00	178.80	86.80	218	19	39.70	-64.80	38.657	20.7%	9.0	0.423	469.566	0.6831	0.6637	0.3319	0.81	0.9919	0.0054	39.20	0.6080	40.25	1.3176	231.3	386.9	4.0E-06	8.00E-06	7.2E-04	0.1354
01-Aug	19:28:00	179.10	86.70	218	20	39.69	-64.77	38.637	20.7%	8.9	0.422	470.249	0.6830	0.6636	0.3318	0.85	0.9915	0.0057	39.18	0.6082	40.21	1.3174	231.1	386.6	4.0E-06	8.00E-06	7.2E-04	0.1361
01-Aug	19:30:00	179.10	86.70	218	20	39.68	-64.73	38.617	20.6%	8.9	0.421	470.932	0.6831	0.6636	0.3318	0.85	0.9915	0.0057	39.14	0.6086	40.16	1.3166	231.1	386.3	4.0E-06	7.99E-06	7.1E-04	0.1368
01-Aug	19:32:00	178.80	86.60	219	20	39.60	-64.70	38.598	20.6%	8.9	0.420	471.615	0.6831	0.6637	0.3319	0.85	0.9915	0.0057	39.10	0.6090	40.12	1.3153	232.2	387.8	4.0E-06	8.02E-06	7.2E-04	0.1376
01-Aug	19:34:00	178.80	86.60	216	20	39.61	-64.67	38.578	20.5%	8.9	0.420	472.298	0.6830	0.6637	0.3319	0.85	0.9915	0.0057	39.06	0.6094	40.08	1.3144	229.0	382.2	4.0E-06	7.91E-06	7.1E-04	0.1383
01-Aug	19:36:00	178.90	86.50	217	20	39.61	-64.63	38.559	20.5%	8.9	0.419	472.981	0.6831	0.6639	0.3319	0.84	0.9916	0.0056	39.01	0.6099	40.04	1.3139	230.1	383.7	4.0E-06	7.94E-06	7.1E-04	0.1390
01-Aug	19:38:00	179.20	86.40	218	20	39.55	-64.60	38.539	20.4%	8.9	0.418	473.664	0.6831	0.6640	0.3320	0.84	0.9916	0.0056	38.97	0.6103	39.99	1.3138	231.1	385.2	4.0E-06	7.97E-06	7.1E-04	0.1397
01-Aug	19:40:00	179.00	86.30	214	20	39.53	-64.57	38.519	20.4%	8.9	0.418	474.347	0.6830	0.6641	0.3321	0.84	0.9916	0.0056	38.92	0.6108	39.95	1.3126	226.9	377.9	3.9E-06	7.82E-06	7.0E-04	0.1404
01-Aug	19:42:00	179.00	86.20	214	20	39.36	-64.53	38.500	20.4%	8.8	0.417	475.031	0.6831	0.6643	0.3321	0.84	0.9916	0.0056	38.87	0.6113	39.91	1.3120	226.9	377.6	3.9E-06	7.82E-06	7.0E-04	0.1411
01-Aug	19:44:00	179.00	86.20	215	20	39.36	-64.50	38.480	20.3%	8.8	0.416	475.714	0.6831	0.6643	0.3321	0.84	0.9916	0.0056	38.83	0.6117	39.86	1.3111	228.0	379.1	3.9E-06	7.85E-06	7.0E-04	0.1418
01-Aug	19:46:00	179.10	86.20	214	20	39.50	-64.47	38.461	20.3%	8.8	0.415	476.397	0.6831	0.6643	0.3321	0.84	0.9916	0.0056	38.79	0.6121	39.82	1.3105	226.9	377.1	3.9E-06	7.81E-06	7.0E-04	0.1425
01-Aug	19:48:00	179.20	86.10	214	20	39.49	-64.43	38.442	20.2%	8.8	0.415	477.080	0.6830	0.6644	0.3322	0.83	0.9917	0.0056	38.75	0.6125	39.78	1.3099	226.9	376.8	3.9E-06	7.80E-06	7.0E-04	0.1432
01-Aug	19:50:00	179.10	86.10	213	20	39.50	-64.40	38.422	20.2%	8.8	0.414	477.763	0.6831	0.6644	0.3322	0.83	0.9917	0.0056	38.71	0.6129	39.73	1.3089	225.8	374.8	3.9E-06	7.76E-06	6.9E-04	0.1439
01-Aug	19:52:00	179.40	86.10	212	20	39.48	-64.37	38.403	20.1%	8.8	0.413	478.445	0.6831	0.6644	0.3322	0.83	0.9917	0.0056	38.67	0.6133	39.69	1.3087	224.8	372.7	3.9E-06	7.72E-06	6.9E-04	0.1446
01-Aug	19:54:00	179.10	86.10	209	20	39.52	-64.33	38.384	20.1%	8.7	0.413	479.129	0.6830	0.6644	0.3322	0.83	0.9917	0.0056	38.63	0.6137	39.65	1.3071	221.6	367.2	3.8E-06	7.60E-06	6.8E-04	0.1452
01-Aug	19:56:00	179.30	85.90	208	20	39.48	-64.30	38.364	20.0%	8.7	0.412	479.812	0.6831	0.6647	0.3324	0.83	0.9917	0.0055	38.58	0.6142	39.61	1.3070	220.5	365.2	3.8E-06	7.57E-06	6.8E-04	0.1459
01-Aug	19:58:00	179.10	85.90	208	20	39.50	-64.27	38.345	20.0%	8.7	0.411	480.495	0.6831	0.6647	0.3324	0.83	0.9917	0.0055	38.54	0.6146	39.56	1.3058	220.5	364.9	3.8E-06	7.56E-06	6.8E-04	0.1466
01-Aug	20:00:00	179.20	86.00	208	20	39.46	-64.23	38.326	20.0%	8.7	0.410	481.178	0.6830	0.6645	0.3323	0.83	0.9917	0.0056	38.50	0.6150	39.52	1.3049	220.5	364.7	3.8E-06	7.55E-06	6.8E-04	0.1473
01-Aug	20:02:00	178.90	85.80	208	20	39.46	-64.20	38.307	19.9%	8.7	0.410	481.861	0.6831	0.6648	0.3324	0.82	0.9918	0.0055	38.45	0.6155	39.48	1.3038	220.5	364.4	3.8E-06	7.55E-06	6.8E-04	0.1479
01-Aug	20:04:00	179.50	85.90	209	21	39.45	-64.17	38.288	19.9%	8.7	0.409	482.544	0.6831	0.6644	0.3322	0.87	0.9913	0.0058	38.44	0.6156	39.44	1.3040	221.6	365.9	3.8E-06	7.58E-06	6.8E-04	0.1486
01-Aug	20:06:00	179.60	85.70	207	21	39.45	-64.13	38.269	19.8%	8.7	0.408	483.227	0.6830	0.6647	0.3323	0.86	0.9914	0.0058	38.39	0.6161	39.39	1.3036	219.5	362.2	3.8E-06	7.50E-06	6.7E-04	0.1493
01-Aug	20:08:00	179.20	85.60	207	21	39.44	-64.10	38.250	19.8%	8.6	0.408	483.910	0.6831	0.6651	0.3326	0.82	0.9918	0.0055	38.32	0.6168	39.35	1.3022	219.5	361.9	3.8E-06	7.50E-06	6.7E-04	0.1500
01-Aug	20:10:00	179.20	85.50	204	21	39.43	-64.07	38.231	19.7%	8.6	0.407	484.594	0.6831	0.6650	0.3325	0.86	0.9914	0.0058	38.30	0.6170	39.31	1.3013	216.3	356.4	3.7E-06	7.39E-06	6.6E-04	0.1506
01-Aug	20:12:00	179.60	85.60	204	21	39.46	-64.03	38.212	19.7%	8.6	0.406	485.277	0.6830	0.6648	0.3324	0.86	0.9914	0.0058	38.26	0.6174	39.27	1.3012	216.3	356.2	3.7E-06	7.38E-06	6.6E-04	0.1513
01-Aug	20:14:00	179.70	85.50	203	20	39.41	-64.00	38.193	19.7%	8.6	0.406	485.960	0.6831	0.6653	0.3326	0.82	0.9918	0.0055	38.19	0.6181	39.23	1.3008	215.2	354.2	3.7E-06	7.34E-06	6.6E-04	0.1519
01-Aug	20:16:00	179.60	85.50	201	21	39.42	-63.97	38.174	19.6%	8.6	0.405	486.643	0.6831	0.6650	0.3325	0.86	0.9914	0.0058	38.18	0.6182	39.18	1.2998	213.1	350.4	3.6E-06	7.26E-06	6.5E-04	0.1526
01-Aug	20:18:00	179.60	85.40	203	21	39.38	-63.93	38.155	19.6%	8.6	0.404	487.326	0.6831	0.6651	0.3326	0.85	0.9915	0.0057	38.13	0.6187	39.14	1.2991	215.2	353.7	3.7E-06	7.33E-06	6.6E-04	0.1533
01-Aug	20:20:00	179.70	85.30	200	20	39.43	-63.90	38.136	19.5%	8.6	0.403	488.009	0.6830	0.6655	0.3328	0.81	0.9919	0.0054	38.06	0.6194	39.10	1.2985	212.1	348.2	3.6E-06	7.22E-06	6.5E-04	0.1539
01-Aug	20:22:00	179.60	85.20	200	21	39.38	-63.87	38.117	19.5%	8.5	0.403	488.692	0.6831	0.6654	0.3327	0.85	0.9915	0.0057	38.04	0.6196	39.06	1.2977	212.1	348.0	3.6E-06	7.22E-06	6.5E-04	0.1545
01-Aug	20:24:00	180.00	85.20	200	20	39.40	-63.83	38.098	19.4%	8.5	0.402	489.375	0.6831	0.6657	0.3328	0.81	0.9919	0.0054	37.97	0.6203	39.01	1.2977	212.1	347.7	3.6E-06	7.22E-06	6.5E-04	0.1552
01-Aug	20:26:00	179.50	85.20	198	22	39.38	-63.80	38.080	19.4%	8.5	0.401	490.058	0.6830	0.6651	0.3326	0.89	0.9911	0.0060	37.98	0.6202	38.97	1.2957	209.9	344.0	3.6E-06	7.13E-06	6.4E-04	0.1558
01-Aug	20:28:00	179.70	85.20	200	21	39.37	-63.77	38.061	19.4%	8.5	0.401	490.741	0.6831	0.6654	0.3327	0.85	0.9915	0.0057	37.92	0.6208	38.93	1.2954	212.1	347.2	3.6E-06	7.20E-06	6.4E-04	0.1565
01-Aug	20:30:00	179.80	85.00	198	21	39.37	-63.73	38.042	19.3%	8.5	0.400	491.424	0.6831	0.6657	0.3328	0.84	0.9916	0.0057	37.87	0.6213	38.89	1.2950	209.9	343.5	3.6E-06	7.13E-06	6.4E-04	0.1571
01-Aug	20:32:00	179.70	85.10	197	21	39.36	-63.70	38.023	19.3%	8.5	0.399	492.107	0.6830	0.6655	0.3328	0.85	0.9915	0.0057	37.83	0.6217	38.85	1.2938	208.9	341.6	3.5E-06	7.09E-06	6.3E-04	0.1577
01-Aug	20:34:00	179.60	85.00	197	21	39.33	-63.67	38.005	19.2%	8.5	0.399	492.790	0.6831	0.6657	0.3328	0.84	0.9916	0.0057	37.79	0.6221	38.80	1.2930	208.9	341.3	3.5E-06	7.08E-06	6.3E-04	0.1584
01-Aug	20:36:00	179.70	84.90	196	21	39.34	-63.63	37.986	19.2%	8.4	0.398	493.473	0.6831	0.6658	0.3329	0.84	0.9916	0.0056	37.74	0.6226	38.76	1.2925	207.8	339.4	3.5E-06	7.04E-06	6.3E-04	0.1590
01-Aug	20:38:00	179.80	84.90	196	21	39.29	-63.60	37.968	19.1%	8.4	0.397	494.156	0.6830	0.6658	0.3329	0.84	0.9916	0.0056	37.70	0.6230	38.72	1.2918	207.8	339.1	3.5E-06	7.04E-06	6.3E-04	0.1596
01-Aug	20:40:00	180.00	84.80	196	21	39.30	-63.57	37.949	19.1%	8.4	0.397	494.840	0.6831	0.6660	0.3330	0.84	0.9916	0.0056	37.65	0.6235	38.68	1.2916	207.8	338.9	3.5E-06	7.04E-06	6.3E-04	0.1603
01-Aug	20:42:00	179.70	84.70	194	21	39.32	-63.53	37.931	19.1%	8.4	0.396	495.523	0.6831	0.6661	0.3331	0.84	0.9916	0.0056	37.61	0.6239	38.64	1.2903	205.7	335.2	3.5E-06	6.96E-06	6.2E-04	0.1609
01-Aug	20:44:00	179.60	84.50	193	21	39.27	-63.50	37.912	19.0%	8.4	0.395	496.206	0.6830	0.6664	0.3332	0.83	0.9917	0.0056	37.55	0.6245	38.59	1.2895	204.6	333.3	3.5E-06	6.92E-06	6.2E-04	0.1615
01-Aug	20:46:00	179.90	84.70	189	22	39.31	-63.47	37.894	19.0%	8.4	0.394	496.889	0.6831	0.6658	0.3329	0.88	0.9912	0.0059	37.55	0.6245	38.55	1.2890	200.4	326.1	3.4E-06	6.77E-06	6.1E-04	0.1621
01-Aug	20:48:00	179.70	84.60	191	22	39.30	-63.43	37.875	18.9%	8.4	0.394	497.572	0.6831	0.6660	0.3330	0.87	0.9913	0.0059	37.51	0.6249	38.51	1.2879	202.5	329.4	3.4E-06	6.84E-06	6.1E-04	0.1627
01-Aug	20:50:00	179.80	84.50	191	20	39.23	-63.40	37.857	18.9%	8.3	0.393	498.255	0.6831	0.6667	0.3333	0.79	0.9921	0.0053	37.41	0.6259	38.47	1.2875	202.5	329.1	3.4E-06	6.84E-06	6.1E-04	0.1633
01-Aug	20:52:00	180.00	84.50	189	20	39.23	-63.37	37.838	18.8%	8.3	0.392	498.938	0.6830	0.6666	0.3333	0.79	0.9921	0.0053	37.37	0.6263	38.42	1.2870	200.4	325.5	3.4E-06	6.76E-06	6.0E-04	0.1639
01-Aug	20:54:00	179.80	84.40	190	21	39.21	-63.33	37.820	18.8%	8.3	0.392	499.621	0.6831	0.6661	0.3333	0.83	0.9917	0.0056	37.35	0.6265	38.38	1.2860	201.5	326.9	3.4E-06	6.79E-06	6.1E-04	0.1645
01-Aug	20:56:00	179.80	84.40	189	21	39.22	-63.30	37.802	18.8%	8.3	0.391	500.304	0.6831	0.6665	0.3333	0.83	0.9917	0.0056	37.31	0.6269	38.34	1.2851	200.4	325.0	3.4E-06	6.75E-06	6.0E-04	0.1652
01-Aug	20:58:00	179.80	84.30	189	22	39.24	-63.27	37.784	18.7%	8.3	0.390	500.987	0.6830	0.6664	0.3332	0.86	0.9914	0.0058	37.29	0.6271	38.30	1.2844	200.4	324.8	3.4E-06	6.75E-06	6.0E-04	0.1658
01-Aug	21:00:00	179.80	84.10	189	22	39.22	-63.23	37.765	18.7%	8.3	0.390	501.670	0.6831	0.6667	0.3333	0.86	0.9914	0.0058	37.23	0.6277	38.26	1.2839	200.4	324.6	3.4E-06	6.74E-06	6.0E-04	0.1664
01-Aug	21:02:00	180.00	84.20	188	21	39.19	-63.20	37.747	18.6%	8.3	0.389	502.353	0.6831	0.6668	0.3334	0.82	0.9918	0.0055	37.18	0.6282	38.21	1.2834	199.3	322.6	3.4E-06	6.71E-06	6.0E-04	0.1670
01-Aug	21:04:00	179.90	84.20	185	21	39.18	-63.17	37.729	18.6%	8.2	0.388	503.036	0.6830	0.6668	0.3334	0.82	0.9918	0.0055	37.13	0.6287	38.17	1.2823	196.2	317.3	3.3E-06	6.59E-06	5.9E-04	0.1675
01-Aug	21:06:00	179.80	84.00	185	21	39.20	-63.13	37.711	18.6%	8.2	0.388	503.719	0.6831	0.6671	0.3335	0.82	0.9918	0.0055	37.08	0.6292	38.13	1.2816	196.2	317.0	3.3E-06	6.59E-06	5.9E-04	0.1681
01-Aug	21:08:00	179.70	83.80	186	21	39.16	-63.10	37.693	18.5%	8.2	0.387	504.403	0.6831	0.6674	0.3337	0.81	0.9919	0.0055	37.03	0.6297	38.09	1.2809	197.2	318.5	3.3E-06	6.63E-06	5.9E-04	0.1687
01-Aug	21:10:00	179.80	83.70	183	21	39.18	-63.07	37.675	18.5%	8.2	0.386	505.086	0.6830	0.6675	0.3337	0.81	0.9919	0.0054	36.98	0.6302	38.04	1.2804	194.0	313.2	3.3E-06	6.52E-06	5.8E-04	0.1693
01-Aug	21:12:00	180.00	83.90	184	21	39.19	-63.03	37.657	18.4%	8.2	0.386	505.769	0.6831	0.6672	0.3336	0.81	0.9919	0.0055	36.96	0.6304	38.00	1.2797	195.1	314.7	3.3E-06	6.54E-06	5.9E-04	0.1699
01-Aug	21:14:00	179.80	83.70	183	21	39.12	-63.00	37.639	18.4%	8.2	0.385	506.452	0.6831	0.6675	0.3338	0.81	0.9919	0.0054	36.90	0.6310	37.96	1.2788	194.0	312.7	3.3E-06	6.51E-06	5.8E-04	0.1705
01-Aug	21:16:00	179.70	83.80	182	23	39.15	-62.97	37.621	18.3%	8.2	0.384	507.135	0.6831	0.6669	0.3334	0.89	0.9911	0.0060	36.92	0.6308	37.91	1.2776	193.0	310.8	3.2E-06	6.46E-06	5.8E-04	0.1711
01-Aug	21:18:00	179.80	83.70	182	21	39.13	-62.93	37.603	18.3%	8.1	0.384	507.818	0.6830	0.6673	0.3337	0.81	0.9919	0.0054	36.82	0.6318	37.87	1.2771	193.0	310.6	3.2E-06	6.46E-06	5.8E-04	0.1716
01-Aug	21:20:00	179.80	83.50	183	21	39.10	-62.90	37.585	18.3%	8.1	0.383	508.501	0.6831	0.6678	0.3339	0.80	0.9920	0.0054	36.77	0.6323	37.83	1.2767	194.0	312.1	3.2E-06	6.50E-06	5.8E-04	0.1722
01-Aug	21:22:00	179.90	83.50	180	20	39.12	-62.87	37.567	18.2%	8.1	0.382	509.184	0.6831	0.6681	0.3340	0.77	0.9923	0.0052	36.71	0.6329	37.79	1.2760	190.9	306.8	3.2E-06	6.39E-06	5.7E-04	0.1728
01-Aug	21:24:00	179.80	83.40	181	22	39.10	-62.83	37.549	18.2%	8.1	0.382	509.867	0.6830	0.6677	0.3338	0.84	0.9916	0.0057	36.71	0.6329	37.74	1.2751	191.9	308.3	3.2E-06	6.42E-06	5.7E-04	0.1734
01-Aug	21:26:00	179.70	83.50	177	21	39.12	-62.80	37.531	18.1%	8.1	0.381	510.550	0.6831	0.6678	0.3339	0.80	0.9920	0.0054	36.65	0.6335	37.70	1.2740	187.7	301.3	3.1E-06	6.27E-06	5.6E-04	0.1739
01-Aug	21:28:00	179.80	83.40	177	21	39.09	-62.77	37.514	18.1%	8.1	0.380	511.233	0.6831	0.6679	0.3340	0.80	0.9920	0.0054	36.60	0.6340	37.66	1.2736	187.7	301.0	3.1E-06	6.27E-06	5.6E-04	0.1745
01-Aug	21:30:00	180.00	83.40	177	21	39.06	-62.73	37.496	18.1%	8.1	0.380	511.916	0.6830	0.6679	0.3340	0.80	0.9920	0.0054	36.56	0.6344	37.62	1.2731	187.7	300.8	3.1E-06	6.26E-06	5.6E-04	0.1750
01-Aug	21:32:00	179.70	83.30	176	21	39.06	-62.70	37.478	18.0%	8.0	0.379	512.599	0.6831	0.6681	0.3340	0.80	0.9920	0.0054	36.52	0.6348	37.57	1.2719	186.6	298.9	3.1E-06	6.23E-06	5.6E-04	0.1756
01-Aug	21:34:00	179.60	83.30	175	21	39.07	-62.67	37.460	18.0%	8.0	0.378	513.282	0.6831	0.6681	0.3340	0.80	0.9920	0.0054	36.48	0.6352	37.53	1.2709	185.6	297.0	3.1E-06	6.19E-06	5.5E-04	0.1762
01-Aug	21:36:00	179.70	83.20	175	21	39.04	-62.63	37.441	17.9%	8.0	0.378	513.966	0.6830	0.6682	0.3341	0.80	0.9920	0.0054	36.43	0.6357	37.49	1.2704	185.6	296.8	3.1E-06	6.18E-06	5.5E-04	0.1767
01-Aug	21:38:00	179.80	83.00	175	21	39.03	-62.60	37.423	17.9%	8.0	0.377	514.649	0.6831	0.6685	0.3342	0.79	0.9921	0.0053	36.38	0.6362	37.44	1.2701	185.6	296.6	3.1E-06	6.18E-06	5.5E-04	0.1773
01-Aug	21:40:00	179.80	83.00	173	21	39.02	-62.57	37.405	17.9%	8.0	0.376	515.332	0.6831	0.6685	0.3342	0.79	0.9921	0.0053	36.34	0.6366	37.40	1.2693	183.4	293.0	3.1E-06	6.11E-06	5.5E-04	0.1778
01-Aug	21:42:00	179.80	82.90	173	21	39.04	-62.53	37.390	17.8%	8.0	0.376	516.015	0.6830	0.6686	0.3343	0.79	0.9921	0.0053	36.29	0.6371	37.36	1.2686	183.4	292.8	3.1E-06	6.10E-06	5.5E-04	0.1784
01-Aug	21:44:00	179.90	82.80	172	22	37.78	-62.50	37.373	17.8%	8.0	0.375	516.698	0.6831	0.6683	0.3343	0.82	0.9918	0.0056	36.27	0.6373	37.32	1.2682	182.4	290.9	3.0E-06	6.06E-06	5.4E-04	0.1789
01-Aug	21:46:00	179.70	82.80	171	21	37.79	-62.47	37.355	17.7%	7.9	0.374	517.381	0.6831	0.6688	0.3344	0.79	0.9921	0.0053	36.21	0.6379	37.27	1.2670	181.3	289.1	3.0E-06	6.03E-06	5.4E-04	0.1794
01-Aug	21:48:00	179.70	82.70	169	23	37.77	-62.43	37.338	17.7%	7.9	0.374	518.064	0.6831	0.6684	0.3342	0.85	0.9914	0.0058	36.21	0.6379	37.23	1.2664	179.2	285.5	3.0E-06	5.95E-06	5.3E-04	0.1800
01-Aug	21:50:00	179.70	82.50	169	21	37.77	-62.40	37.320	17.7%	7.9	0.373	518.747	0.6830	0.6692	0.3346	0.78	0.9922	0.0053	36.13	0.6389	37.19	1.2658	179.2	285.3	3.0E-06	5.95E-06	5.3E-04	0.1805
01-Aug	21:52:00	179.50	82.50	171	21	37.77	-62.37	37.303	17.6%	7.9	0.372	519.430	0.6831	0.6692	0.3346	0.78	0.9922	0.0053	36.07	0.6393	37.15	1.2647	181.4	288.1	3.0E-06	6.00E-06	5.4E-04	0.1810
01-Aug	21:54:00	179.70	82.50	169	21	37.76	-62.33	37.285	17.6%	7.9	0.372	520.113	0.6831	0.6692	0.3346	0.78	0.9922	0.0053	36.03	0.6397	37.10	1.2643	179.2	284.9	3.0E-06	5.94E-06	5.3E-04	0.1816
01-Aug	21:56:00	179.60	82.50	169	23	37.79	-62.30	37.268	17.5%	7.9	0.371	520.796	0.6830	0.6687	0.3343	0.85	0.9915	0.0058	36.04	0.6396	37.06	1.2632	179.2	284.7	3.0E-06	5.93E-06	5.3E-04	0.1821
01-Aug	21:58:00	179.70	82.50	167	21	37.78	-62.27	37.251	17.5%	7.9	0.370	521.479	0.6831	0.6692	0.3346	0.78	0.9922	0.0053	35.95	0.6405	37.02	1.2627	177.1	281.1	2.9E-06	5.86E-06	5.2E-04	0.1826
01-Aug	22:00:00	179.60	82.50	168	22	37.76	-62.23	37.233	17.5%	7.8	0.370	522.162	0.6831	0.6690	0.3345	0.82	0.9918	0.0055	35.93	0.6407	36.97	1.2617	178.1	282.6	2.9E-06	5.89E-06	5.3E-04	0.1832
01-Aug	22:02:00	179.80	82.50	166	22	37.78	-62.20	37.216	17.4%	7.8	0.369	522.845	0.6830	0.6689	0.3345	0.82	0.9918	0.0055	35.89	0.6411	36.93	1.2613	176.0	279.1	2.9E-06	5.82E-06	5.2E-04	0.1837
01-Aug	22:04:00	179.70	82.30	165	21	37.74	-62.17	37.199	17.4%	7.8	0.368	523.529	0.6831	0.6695	0.3347	0.77	0.9923	0.0052	35.82	0.6418	36.89	1.2606	175.0	277.2	2.9E-06	5.79E-06	5.2E-04	0.1842
01-Aug	22:06:00	179.60	82.30	165	21	37.73	-62.13	37.182	17.3%	7.8	0.368	524.212	0.6831	0.6695	0.3347	0.77	0.9923	0.0052	35.78	0.6422	36.85	1.2596	175.0	277.0	2.9E-06	5.78E-06	5.2E-04	0.1847
01-Aug	22:08:00	179.80	82.20	166	21	37.73	-62.10	37.165	17.3%	7.8	0.367	524.895	0.6830	0.6696	0.3348	0.77	0.9923	0.0052	35.73	0.6427	36.80	1.2591	176.0	278.5	2.9E-06	5.81E-06	5.2E-04	0.1852
01-Aug	22:10:00	179.90	82.20	165	22	37.69	-62.07	37.147	17.3%	7.8	0.366	525.578	0.6831	0.6694	0.3347	0.81	0.9919	0.0055	35.71	0.6429	36.76	1.2588	175.0	276.7	2.9E-06	5.77E-06	5.2E-04	0.1857
01-Aug	22:12:00	180.10	82.20	162	21	37.69	-62.03	37.130	17.2%	7.8	0.366	526.261	0.6831	0.6696	0.3348	0.77	0.9923	0.0052	35.65	0.6435	36.72	1.2584	171.8	271.4	2.8E-06	5.67E-06	5.1E-04	0.1863
01-Aug	22:14:00	179.70	82.20	161	22	37.69	-62.00	37.113	17.2%	7.7	0.365	526.944	0.6830	0.6693	0.3347	0.81	0.9919	0.0055	35.63	0.6437	36.68	1.2568	170.7	269.6	2.8E-06	5.62E-06	5.0E-04	0.1868
01-Aug	22:16:00	179.80	82.00	162	22	37.73	-61.97	37.096	17.1%	7.7	0.364	527.627	0.6831	0.6697	0.3348	0.80	0.9920	0.0054	35.58	0.6442	36.63	1.2565	171.8	271.1	2.8E-06	5.66E-06	5.1E-04	0.1873
01-Aug	22:18:00	179.70	82.00	163	22	37.74	-61.93	37.079	17.1%	7.7	0.364	528.310	0.6831	0.6697	0.3348	0.80	0.9920	0.0054	35.54	0.6446	36.59	1.2536	172.8	272.6	2.8E-06	5.69E-06	5.1E-04	0.1878
01-Aug	22:20:00	179.80	82.00	162	22	37.71	-61.90	37.062	17.1%	7.7	0.363	528.993	0.6831	0.6697	0.3348	0.80	0.9920	0.0054	35.50	0.6450	36.55	1.2530	171.8	270.7	2.8E-06	5.65E-06	5.1E-04	0.1883
01-Aug	22:22:00	179.50	82.00	160	22	37.57	-61.87	37.045	17.0%	7.7	0.362	529.676	0.6830	0.6696	0.3348	0.80	0.9920	0.0054	35.46	0.6454	36.51	1.2516	169.7	267.2	2.8E-06	5.58E-06	5.0E-04	0.1888
01-Aug	22:24:00	179.30	81.90	160	22	37.51	-61.83	37.028	17.0%	7.7	0.362	530.359	0.6831	0.6698	0.3349	0.80	0.9920	0.0054	35.41	0.6459	36.47	1.2510	169.7	267.0	2.8E-06	5.58E-06	5.0E-04	0.1893
01-Aug	22:26:00	179.80	81.70	160	22	37.47	-61.80	37.011	17.0%	7.7	0.361	531.042	0.6831	0.6701	0.3350	0.79	0.9921	0.0054	35.36	0.6464	36.42	1.2533	169.7	266.8	2.8E-06	5.57E-06	5.0E-04	0.1898

Northwest Hardwoods
Alder
August 1-4, 1996

Y=	1.0119
Pb=	29.9283 inHg
Pb=	101.39 kPa

Span	603.2	567	571 ppmv
Zero	0	0	-19 ppmv

DGFT	Chamber	Cm
31.18		ft³

NDOIP	x	F(x)	A	B	C	D
	-72.03	43.80	-0.53498	0.00919	-0.00011	0.00000
	-52.50	33.35	-0.14224	0.00326	-0.00005	
	-29.30	30.05	-0.02346	0.00056		
	-16.73	29.73	-0.00896			
	0.00	29.58				

1	2	3	4	5	6	7	8	9	10	[illegible]	11	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Date	Time	Value Tc F	Value Tm F	Value VOC ppmv	Value RH %	Value M lbm	dt (hrs)	Calculated Wood Mass Wos lbm	Calculated Wood Moisture %Bwc %	Wood Water Change dWw g	Wood Water Volume Vw(wood) dscf	Meter Reading cuft dVm ft³	Inlet Meter Volume Wet Vm(wet) wscf	Inlet Meter Volume Dry Vm(std) dscf	Inlet Flowrate Dry Q(std) dscf/min	Inlet Air Moisture Bws(inlet) %	Inlet Air Fraction dry mfg(inlet)	Inlet Water Volume Vw(std) dscf	Inlet Air Moisture BWS(2) %	Inlet Air Dry mfg(2)	Cumulative Chamber Moisture BWS(3) %	New Gas at Chamber Conditions Vi ft³	Cgas(wet) ppmv	Cgas(dry) ppmv	Mgas lbs/min	lbs	lbs/Mdbft	lbs/Mdbft
AVG		181.21	299.01	78.15	25.67	14.53																						
01-Aug	09:14:00	190.43	78.55																									
01-Aug	22:28:00	179.80	81.70	156	22	37.44	-61.77	36.995	16.9%	7.6	0.361	531.725	0.6830	0.6701	0.3350	0.79	0.9921	0.0054	35.32	0.6468	36.34	1.2522	165.4	260.0	2.7E-06	5.43E-06	4.9E-04	0.1901
01-Aug	22:30:00	179.60	82.00	156	22	37.42	-61.73	36.978	16.9%	7.6	0.360	532.408	0.6831	0.6697	0.3348	0.80	0.9920	0.0054	35.30	0.6470	36.34	1.2507	165.4	259.8	2.7E-06	5.42E-06	4.9E-04	0.1907
01-Aug	22:32:00	179.40	81.70	158	22	37.44	-61.70	36.961	16.8%	7.6	0.359	533.091	0.6831	0.6701	0.3350	0.79	0.9921	0.0054	35.24	0.6476	36.30	1.2500	167.5	263.0	2.7E-06	5.49E-06	4.9E-04	0.1912
01-Aug	22:34:00	179.60	81.60	157	22	37.42	-61.67	36.944	16.8%	7.6	0.359	533.775	0.6830	0.6702	0.3351	0.79	0.9921	0.0054	35.20	0.6480	36.25	1.2493	166.5	261.1	2.7E-06	5.46E-06	4.9E-04	0.1917
01-Aug	22:36:00	179.60	81.60	157	22	37.41	-61.63	36.927	16.8%	7.6	0.358	534.458	0.6831	0.6705	0.3352	0.76	0.9924	0.0051	35.13	0.6487	36.21	1.2490	166.5	261.0	2.7E-06	5.45E-06	4.9E-04	0.1922
01-Aug	22:38:00	179.40	81.70	154	22	37.42	-61.60	36.911	16.7%	7.6	0.357	535.141	0.6831	0.6701	0.3350	0.79	0.9921	0.0054	35.12	0.6488	36.17	1.2476	163.3	255.8	2.7E-06	5.34E-06	4.8E-04	0.1927
01-Aug	22:40:00	179.70	81.70	154	22	37.39	-61.57	36.894	16.7%	7.6	0.357	535.824	0.6830	0.6701	0.3350	0.79	0.9921	0.0054	35.08	0.6492	36.13	1.2474	163.3	255.6	2.7E-06	5.34E-06	4.9E-04	0.1932
01-Aug	22:42:00	179.40	81.50	155	22	37.35	-61.53	36.877	16.7%	7.6	0.356	536.507	0.6831	0.6704	0.3352	0.79	0.9921	0.0053	35.03	0.6497	36.09	1.2470	164.3	257.1	2.7E-06	5.37E-06	4.9E-04	0.1936
01-Aug	22:44:00	179.20	81.60	153	22	37.36	-61.50	36.861	16.6%	7.5	0.355	537.190	0.6831	0.6702	0.3351	0.79	0.9921	0.0054	34.99	0.6501	36.04	1.2471	162.3	253.7	2.6E-06	5.30E-06	4.7E-04	0.1941
01-Aug	22:46:00	179.60	81.50	154	22	37.38	-61.47	36.844	16.6%	7.5	0.355	537.873	0.6831	0.6704	0.3352	0.79	0.9921	0.0053	34.95	0.6505	36.00	1.2452	163.3	255.1	2.7E-06	5.33E-06	4.8E-04	0.1946
01-Aug	22:48:00	179.60	81.50	152	22	37.33	-61.43	36.828	16.5%	7.5	0.354	538.556	0.6830	0.6703	0.3352	0.79	0.9921	0.0053	34.91	0.6509	35.96	1.2444	161.2	251.8	2.6E-06	5.26E-06	4.7E-04	0.1951
01-Aug	22:50:00	179.50	81.50	152	22	37.32	-61.40	36.811	16.5%	7.5	0.354	539.239	0.6831	0.6704	0.3352	0.79	0.9921	0.0053	34.87	0.6513	35.92	1.2435	161.2	251.5	2.6E-06	5.26E-06	4.7E-04	0.1955
01-Aug	22:52:00	179.40	81.40	149	22	37.35	-61.37	36.795	16.5%	7.5	0.353	539.922	0.6831	0.6705	0.3353	0.79	0.9921	0.0053	34.82	0.6518	35.88	1.2427	158.0	246.4	2.6E-06	5.15E-06	4.6E-04	0.1960
01-Aug	22:54:00	179.20	81.40	151	22	37.29	-61.33	36.778	16.4%	7.5	0.352	540.605	0.6830	0.6705	0.3352	0.79	0.9921	0.0053	34.78	0.6522	35.83	1.2415	160.1	249.5	2.6E-06	5.21E-06	4.7E-04	0.1965
01-Aug	22:56:00	179.60	81.40	159	22	37.29	-61.30	36.762	16.4%	7.5	0.352	541.288	0.6831	0.6705	0.3353	0.79	0.9921	0.0053	34.74	0.6526	35.79	1.2415	159.0	247.7	2.6E-06	5.18E-06	4.6E-04	0.1969
01-Aug	22:58:00	179.50	81.30	149	22	37.32	-61.27	36.745	16.4%	7.4	0.351	541.971	0.6831	0.6706	0.3353	0.78	0.9922	0.0053	34.69	0.6531	35.75	1.2407	158.0	245.9	2.6E-06	5.14E-06	4.6E-04	0.1974
01-Aug	23:00:00	179.30	81.30	151	22	37.30	-61.23	36.729	16.3%	7.4	0.350	542.654	0.6830	0.6706	0.3353	0.78	0.9922	0.0053	34.65	0.6535	35.71	1.2391	160.1	249.0	2.6E-06	5.21E-06	4.7E-04	0.1979
01-Aug	23:02:00	179.60	81.30	148	22	37.28	-61.20	36.713	16.3%	7.4	0.350	543.338	0.6831	0.6706	0.3353	0.78	0.9922	0.0053	34.61	0.6539	35.67	1.2394	156.9	243.9	2.5E-06	5.10E-06	4.6E-04	0.1983
01-Aug	23:04:00	179.80	81.10	147	22	37.16	-61.17	36.696	16.2%	7.4	0.349	544.021	0.6831	0.6709	0.3355	0.78	0.9922	0.0053	34.56	0.6544	35.63	1.2393	155.9	242.1	2.5E-06	5.06E-06	4.5E-04	0.1988
01-Aug	23:06:00	179.30	81.10	148	22	37.13	-61.13	36.680	16.2%	7.4	0.348	544.704	0.6830	0.6709	0.3354	0.78	0.9922	0.0053	34.52	0.6548	35.58	1.2376	156.9	243.6	2.5E-06	5.09E-06	4.6E-04	0.1992
01-Aug	23:08:00	179.70	81.10	148	22	37.08	-61.10	36.664	16.2%	7.4	0.348	545.387	0.6831	0.6709	0.3355	0.78	0.9922	0.0053	34.48	0.6552	35.54	1.2376	156.9	243.5	2.5E-06	5.09E-06	4.6E-04	0.1997
01-Aug	23:10:00	179.40	81.00	145	22	36.97	-61.07	36.648	16.1%	7.4	0.347	546.070	0.6831	0.6711	0.3355	0.78	0.9922	0.0053	34.44	0.6556	35.50	1.2354	153.7	238.4	2.5E-06	4.99E-06	4.5E-04	0.2001
01-Aug	23:12:00	179.90	81.00	144	22	36.94	-61.03	36.631	16.1%	7.3	0.347	546.753	0.6830	0.6710	0.3355	0.78	0.9922	0.0053	34.40	0.6560	35.46	1.2366	152.7	236.6	2.5E-06	4.95E-06	4.4E-04	0.2006
01-Aug	23:14:00	179.60	81.10	145	22	36.91	-61.00	36.615	16.1%	7.3	0.346	547.436	0.6831	0.6709	0.3353	0.78	0.9922	0.0053	34.36	0.6564	35.42	1.2351	153.7	238.1	2.5E-06	4.98E-06	4.5E-04	0.2010
01-Aug	23:16:00	179.80	80.90	147	22	36.81	-60.97	36.599	16.0%	7.3	0.345	548.119	0.6831	0.6712	0.3356	0.77	0.9923	0.0052	34.31	0.6569	35.37	1.2351	155.9	241.2	2.5E-06	5.01E-06	4.5E-04	0.2015
01-Aug	23:18:00	180.00	80.80	145	22	36.76	-60.93	36.583	16.0%	7.3	0.345	548.802	0.6831	0.6714	0.3357	0.77	0.9923	0.0052	34.26	0.6574	35.33	1.2349	153.7	237.7	2.5E-06	4.91E-06	4.5E-04	0.2019
01-Aug	23:20:00	179.90	80.80	144	22	36.76	-60.90	36.567	15.9%	7.3	0.344	549.485	0.6830	0.6713	0.3357	0.77	0.9923	0.0052	34.22	0.6578	35.29	1.2339	152.7	236.0	2.5E-06	4.94E-06	4.4E-04	0.2023
01-Aug	23:22:00	180.00	81.00	142	22	36.70	-60.87	36.551	15.9%	7.3	0.343	550.168	0.6831	0.6711	0.3355	0.78	0.9922	0.0053	34.19	0.6581	35.25	1.2330	150.6	233.1	2.4E-06	4.86E-06	4.4E-04	0.2028
01-Aug	23:24:00	179.70	80.80	142	22	36.71	-60.83	36.535	15.9%	7.3	0.343	550.851	0.6831	0.6714	0.3357	0.77	0.9923	0.0052	34.14	0.6586	35.21	1.2320	150.6	232.4	2.4E-06	4.86E-06	4.3E-04	0.2032
01-Aug	23:26:00	180.00	80.80	142	22	36.68	-60.80	36.519	15.8%	7.3	0.342	551.534	0.6830	0.6713	0.3357	0.77	0.9923	0.0052	34.10	0.6590	35.16	1.2318	150.6	232.2	2.4E-06	4.86E-06	4.3E-04	0.2037
01-Aug	23:28:00	179.80	80.70	141	23	36.69	-60.77	36.503	15.8%	7.2	0.342	552.217	0.6831	0.6715	0.3356	0.80	0.9920	0.0054	34.08	0.6592	35.12	1.2109	149.5	230.4	2.4E-06	4.82E-06	4.3E-04	0.2041
01-Aug	23:30:00	179.80	80.80	141	23	36.62	-60.73	36.487	15.8%	7.2	0.341	552.901	0.6831	0.6714	0.3357	0.77	0.9921	0.0052	34.02	0.6598	35.08	1.2300	149.5	230.3	2.4E-06	4.82E-06	4.3E-04	0.2045
01-Aug	23:32:00	179.80	80.80	141	23	36.64	-60.70	36.471	15.7%	7.2	0.340	553.584	0.6830	0.6711	0.3355	0.81	0.9919	0.0055	34.00	0.6600	35.04	1.2292	149.5	230.1	2.4E-06	4.82E-06	4.3E-04	0.2049
01-Aug	23:34:00	179.80	80.60	141	22	36.60	-60.67	36.455	15.7%	7.2	0.340	554.267	0.6831	0.6716	0.3358	0.77	0.9923	0.0052	33.93	0.6607	35.00	1.2288	150.6	231.6	2.4E-06	4.85E-06	4.3E-04	0.2054
01-Aug	23:36:00	179.80	80.50	140	22	36.59	-60.63	36.439	15.7%	7.2	0.339	554.950	0.6831	0.6718	0.3359	0.76	0.9924	0.0052	33.88	0.6612	34.96	1.2282	148.4	228.2	2.4E-06	4.78E-06	4.3E-04	0.2058
01-Aug	23:38:00	179.80	80.70	140	23	36.57	-60.60	36.423	15.6%	7.2	0.338	555.633	0.6830	0.6712	0.3356	0.80	0.9920	0.0054	33.88	0.6612	34.91	1.2271	148.4	228.1	2.4E-06	4.77E-06	4.3E-04	0.2062
01-Aug	23:40:00	179.80	80.70	138	23	36.57	-60.57	36.401	15.6%	7.2	0.338	556.316	0.6831	0.6713	0.3356	0.80	0.9920	0.0054	33.84	0.6616	34.87	1.2264	146.3	224.7	2.4E-06	4.70E-06	4.2E-04	0.2067
01-Aug	23:42:00	179.70	80.60	139	23	36.57	-60.53	36.392	15.5%	7.2	0.337	556.999	0.6831	0.6714	0.3357	0.80	0.9920	0.0054	33.79	0.6621	34.83	1.2256	147.4	226.2	2.4E-06	4.73E-06	4.2E-04	0.2071
01-Aug	23:44:00	180.00	80.50	137	22	36.54	-60.50	36.376	15.5%	7.1	0.337	557.682	0.6830	0.6717	0.3359	0.76	0.9924	0.0052	33.72	0.6628	34.79	1.2255	145.3	222.8	2.3E-06	4.66E-06	4.2E-04	0.2075
01-Aug	23:46:00	179.80	80.50	135	23	36.51	-60.47	36.360	15.5%	7.1	0.336	558.365	0.6831	0.6715	0.3358	0.80	0.9920	0.0054	33.71	0.6629	34.75	1.2244	143.1	219.4	2.3E-06	4.59E-06	4.1E-04	0.2079
01-Aug	23:48:00	179.80	80.50	136	23	36.48	-60.43	36.345	15.4%	7.1	0.335	559.048	0.6831	0.6715	0.3358	0.80	0.9920	0.0054	33.67	0.6633	34.71	1.2237	144.2	220.9	2.3E-06	4.62E-06	4.1E-04	0.2083
01-Aug	23:50:00	179.70	80.30	137	23	36.49	-60.40	36.329	15.4%	7.1	0.335	559.731	0.6831	0.6718	0.3359	0.79	0.9921	0.0054	33.61	0.6639	34.67	1.2231	145.3	222.4	2.3E-06	4.66E-06	4.2E-04	0.2087
01-Aug	23:52:00	179.80	80.30	135	23	36.47	-60.37	36.313	15.4%	7.1	0.334	560.414	0.6830	0.6718	0.3359	0.79	0.9921	0.0054	33.57	0.6643	34.63	1.2223	143.1	219.0	2.3E-06	4.59E-06	4.1E-04	0.2091
01-Aug	23:54:00	179.80	80.20	136	23	36.47	-60.33	36.298	15.3%	7.1	0.334	561.097	0.6831	0.6720	0.3360	0.79	0.9921	0.0054	33.53	0.6647	34.59	1.2219	144.2	220.4	2.3E-06	4.62E-06	4.1E-04	0.2096
01-Aug	23:56:00	179.80	80.30	137	23	36.48	-60.30	36.282	15.3%	7.1	0.333	561.780	0.6831	0.6718	0.3359	0.79	0.9921	0.0054	33.49	0.6651	34.55	1.2210	145.3	221.9	2.3E-06	4.65E-06	4.2E-04	0.2100
01-Aug	23:58:00	180.00	80.30	133	23	36.43	-60.27	36.267	15.3%	7.0	0.332	562.461	0.6830	0.6718	0.3359	0.79	0.9921	0.0054	33.45	0.6655	34.50	1.2206	141.0	215.3	2.3E-06	4.51E-06	4.0E-04	0.2104
02-Aug	00:00:00	179.80	80.30	134	23	36.43	-60.23	36.251	15.2%	7.0	0.332	563.147	0.6831	0.6718	0.3359	0.79	0.9921	0.0054	33.41	0.6659	34.46	1.2196	142.1	216.8	2.3E-06	4.54E-06	4.1E-04	0.2108
02-Aug	00:02:00	179.70	80.30	134	23	36.40	-60.20	36.236	15.2%	7.0	0.331	563.830	0.6831	0.6718	0.3359	0.79	0.9921	0.0054	33.37	0.6663	34.42	1.2186	142.1	216.7	2.3E-06	4.54E-06	4.1E-04	0.2112
02-Aug	00:04:00	180.00	80.20	133	23	36.44	-60.17	36.220	15.2%	7.0	0.331	564.513	0.6831	0.6720	0.3360	0.79	0.9921	0.0054	33.33	0.6667	34.38	1.2186	141.0	214.9	2.3E-06	4.50E-06	4.0E-04	0.2116
02-Aug	00:06:00	180.00	80.10	133	23	36.41	-60.13	36.205	15.1%	7.0	0.330	565.196	0.6831	0.6721	0.3360	0.79	0.9921	0.0053	33.28	0.6672	34.34	1.2180	141.0	214.8	2.2E-06	4.50E-06	4.0E-04	0.2120
02-Aug	00:08:00	180.00	80.00	133	23	36.49	-60.10	36.189	15.1%	7.0	0.329	565.879	0.6831	0.6722	0.3361	0.79	0.9921	0.0053	33.23	0.6677	34.30	1.2174	141.0	214.6	2.2E-06	4.50E-06	4.0E-04	0.2124
02-Aug	00:10:00	180.00	80.30	130	23	36.37	-60.07	36.174	15.0%	7.0	0.329	566.562	0.6831	0.6718	0.3359	0.79	0.9921	0.0054	33.21	0.6679	34.26	1.2163	137.8	209.7	2.2E-06	4.39E-06	3.9E-04	0.2128
02-Aug	00:12:00	179.90	80.20	129	23	36.36	-60.03	36.159	15.0%	7.0	0.328	567.245	0.6831	0.6720	0.3360	0.79	0.9921	0.0054	33.17	0.6683	34.22	1.2155	136.8	207.9	2.2E-06	4.36E-06	3.9E-04	0.2132
02-Aug	00:14:00	180.00	80.20	131	23	36.36	-60.00	36.143	15.0%	6.9	0.327	567.928	0.6831	0.6720	0.3360	0.79	0.9921	0.0054	33.13	0.6687	34.18	1.2150	138.9	211.0	2.2E-06	4.42E-06	4.0E-04	0.2136
02-Aug	00:16:00	180.10	80.10	131	23	36.30	-59.97	36.128	14.9%	6.9	0.327	568.611	0.6831	0.6721	0.3360	0.79	0.9921	0.0053	33.08	0.6692	34.14	1.2146	138.9	210.9	2.2E-06	4.42E-06	4.0E-04	0.2140
02-Aug	00:18:00	180.10	80.20	131	23	36.30	-59.93	36.113	14.9%	6.9	0.326	569.294	0.6831	0.6720	0.3360	0.79	0.9921	0.0054	33.03	0.6695	34.09	1.2137	138.9	210.8	2.2E-06	4.41E-06	3.9E-04	0.2144
02-Aug	00:20:00	180.30	80.00	130	23	36.28	-59.90	36.098	14.9%	6.9	0.326	569.977	0.6831	0.6722	0.3361	0.79	0.9921	0.0053	32.99	0.6701	34.05	1.2136	137.8	209.0	2.2E-06	4.38E-06	3.9E-04	0.2148
02-Aug	00:22:00	180.10	79.80	129	23	36.28	-59.87	36.082	14.8%	6.9	0.325	570.660	0.6831	0.6725	0.3363	0.78	0.9922	0.0053	32.94	0.6706	34.01	1.2128	136.8	207.3	2.2E-06	4.35E-06	3.9E-04	0.2151
02-Aug	00:24:00	179.90	79.80	130	23	36.29	-59.83	36.067	14.8%	6.9	0.324	571.343	0.6831	0.6725	0.3363	0.78	0.9922	0.0053	32.90	0.6710	33.97	1.2117	137.8	208.8	2.2E-06	4.38E-06	3.9E-04	0.2155
02-Aug	00:26:00	180.00	79.80	129	23	36.25	-59.80	36.052	14.8%	6.9	0.324	572.026	0.6831	0.6725	0.3363	0.78	0.9922	0.0053	32.86	0.6714	33.93	1.2112	136.8	207.0	2.2E-06	4.34E-06	3.9E-04	0.2159
02-Aug	00:28:00	180.00	79.80	128	23	36.24	-59.77	36.037	14.7%	6.9	0.323	572.710	0.6831	0.6725	0.3363	0.78	0.9922	0.0053	32.82	0.6718	33.89	1.2105	135.7	205.3	2.2E-06	4.30E-06	3.8E-04	0.2163
02-Aug	00:30:00	180.20	79.80	128	23	36.22	-59.73	36.022	14.7%	6.8	0.323	573.393	0.6831	0.6725	0.3363	0.78	0.9922	0.0053	32.78	0.6722	33.85	1.2101	135.7	205.2	2.2E-06	4.30E-06	3.8E-04	0.2167
02-Aug	00:32:00	179.90	79.70	127	23	36.22	-59.70	36.007	14.7%	6.8	0.322	574.076	0.6831	0.6727	0.3363	0.78	0.9922	0.0053	32.74	0.6726	33.81	1.2090	134.7	203.4	2.1E-06	4.27E-06	3.8E-04	0.2171
02-Aug	00:34:00	179.90	79.70	127	23	36.17	-59.67	35.992	14.6%	6.8	0.321	574.759	0.6831	0.6727	0.3363	0.78	0.9922	0.0053	32.70	0.6730	33.76	1.2083	134.7	203.3	2.1E-06	4.26E-06	3.8E-04	0.2175
02-Aug	00:36:00	179.90	79.80	125	23	36.22	-59.63	35.977	14.6%	6.8	0.321	575.442	0.6831	0.6725	0.3363	0.78	0.9922	0.0053	32.66	0.6734	33.72	1.2074	131.6	201.6	2.1E-06	4.23E-06	3.8E-04	0.2178
02-Aug	00:38:00	180.10	79.80	126	24	35.96	-59.60	35.962	14.6%	6.8	0.320	576.125	0.6831	0.6723	0.3361	0.82	0.9918	0.0055	32.64	0.6736	33.68	1.2071	131.6	201.5	2.1E-06	4.22E-06	3.8E-04	0.2182
02-Aug	00:40:00	180.10	79.80	126	23	35.93	-59.57	35.947	14.5%	6.8	0.320	576.808	0.6831	0.6723	0.3363	0.78	0.9922	0.0053	32.58	0.6742	33.64	1.2063	133.6	201.3	2.1E-06	4.21E-06	3.8E-04	0.2186
02-Aug	00:42:00	179.80	79.50	126	24	35.93	-59.53	35.932	14.5%	6.8	0.319	577.491	0.6831	0.6727	0.3364	0.82	0.9919	0.0055	32.55	0.6745	33.60	1.2055	133.6	201.2	2.1E-06	4.21E-06	3.8E-04	0.2190
02-Aug	00:44:00	180.00	79.70	126	23	35.96	-59.50	35.917	14.5%	6.8	0.319	578.174	0.6831	0.6727	0.3363	0.78	0.9922	0.0053	32.49	0.6751	33.56	1.2049	133.6	201.1	2.1E-06	4.22E-06	3.8E-04	0.2193
02-Aug	00:46:00	180.10	79.70	124	24	35.94	-59.47	35.902	14.4%	6.7	0.318	578.857	0.6831	0.6724	0.3362	0.81	0.9919	0.0055	32.48	0.6752	33.52	1.2043	131.5	197.8	2.1E-06	4.13E-06	3.7E-04	0.2197
02-Aug	00:48:00	179.90	79.50	123	23	35.91	-59.43	35.887	14.4%	6.7	0.317	579.540	0.6831	0.6730	0.3365	0.77	0.9923	0.0052	32.40	0.6760	33.48	1.2036	130.4	196.1	2.1E-06	4.11E-06	3.7E-04	0.2201
02-Aug	00:50:00	180.10	79.50	124	24	35.92	-59.40	35.873	14.4%	6.7	0.317	580.223	0.6831	0.6727	0.3364	0.81	0.9919	0.0055	32.39	0.6761	33.44	1.2032	131.5	197.1	2.1E-06	4.14E-06	3.7E-04	0.2205
02-Aug	00:52:00	180.30	79.50	123	23	35.90	-59.37	35.858	14.3%	6.7	0.316	580.906	0.6831	0.6730	0.3365	0.77	0.9923	0.0052	32.32	0.6768	33.40	1.2029	130.4	195.8	2.1E-06	4.11E-06	3.7E-04	0.2208
02-Aug	00:54:00	180.10	79.50	123	24	35.91	-59.33	35.843	14.3%	6.7	0.316	581.589	0.6831	0.6727	0.3364	0.81	0.9919	0.0055	32.31	0.6769	33.36	1.2018	130.4	195.7	2.1E-06	4.10E-06	3.7E-04	0.2212
02-Aug	00:56:00	180.10	79.50	123	24	35.90	-59.30	35.828	14.3%	6.7	0.315	582.273	0.6831	0.6727	0.3364	0.81	0.9919	0.0055	32.27	0.6773	33.32	1.2011	130.4	195.6	2.1E-06	4.10E-06	3.7E-04	0.2216
02-Aug	00:58:00	180.20	79.50	122	24	35.88	-59.27	35.814	14.2%	6.7	0.314	582.956	0.6831	0.6727	0.3364	0.81	0.9919	0.0055	32.23	0.6777	33.27	1.2006	129.4	193.9	2.0E-06	4.07E-06	3.6E-04	0.2219
02-Aug	01:00:00	180.09	79.50	123	24	35.90	-59.23	35.799	14.2%	6.7	0.314	583.639	0.6831	0.6727	0.3364	0.81	0.9919	0.0055	32.19	0.6781	33.23	1.1995	130.4	195.3	2.0E-06	4.10E-06	3.7E-04	0.2223
02-Aug	01:02:00	180.40	79.40	120	24	35.87	-59.20	35.784	14.2%	6.6	0.313	584.312	0.6831	0.6729	0.3364	0.80	0.9920	0.0055	32.14	0.6786	33.19	1.1997	127.2	190.5	2.0E-06	3.99E-06	3.6E-04	0.2226
02-Aug	01:04:00	180.09	79.50	122	24	35.86	-59.17	35.770	14.1%	6.6	0.313	585.005	0.6831	0.6727	0.3364	0.81	0.9919	0.0055	32.11	0.6789	33.15	1.1981	129.4	193.5	2.0E-06	4.06E-06	3.6E-04	0.2230
02-Aug	01:06:00	180.30	79.40	120	24	35.84	-59.13	35.755	14.1%	6.6	0.312	585.688	0.6831	0.6729	0.3364	0.80	0.9920	0.0055	32.06	0.6794	33.11	1.1981	127.2	190.2	2.0E-06	3.99E-06	3.6E-04	0.2234
02-Aug	01:08:00	180.20	79.30	120	24	35.86	-59.10	35.741	14.1%	6.6	0.311	586.371	0.6831	0.6730	0.3365	0.80	0.9920	0.0054	32.01	0.6799	33.07	1.1973	127.2	190.1	2.0E-06	3.99E-06	3.6E-04	0.2237
02-Aug	01:10:00	180.50	79.30	120	24	35.86	-59.07	35.726	14.0%	6.6	0.311	587.054	0.6831	0.6730	0.3365	0.80	0.9920	0.0054	31.97	0.6803	33.03	1.1972	127.2	190.0	2.0E-06	3.99E-06	3.6E-04	0.2241
02-Aug	01:12:00	180.20	79.30	120	24	35.84	-59.03	35.711	14.0%	6.6	0.310	587.737	0.6831	0.6730	0.3365	0.80	0.9920	0.0054	31.93	0.6807	32.99	1.1959	127.2	189.9	2.0E-06	3.91E-06	3.6E-04	0.2244
02-Aug	01:14:00	180.30	79.30	120	24	35.83	-59.00	35.697	14.0%	6.6	0.310	588.420	0.6831	0.6730	0.3365	0.80	0.9920	0.0054	31.89	0.6811	32.95	1.1954	127.2	189.8	2.0E-06	3.91E-06	3.6E-04	0.2248
02-Aug	01:16:00	180.40	79.30	119	24	35.80	-58.97	35.683	13.9%	6.6	0.309	589.103	0.6831	0.6730	0.3365	0.80	0.9920	0.0054	31.85	0.6815	32.91	1.1949	126.2	188.8	2.0E-06	3.95E-06	3.5E-04	0.2251
02-Aug	01:18:00	180.40	79.30	120	24	35.79	-58.93	35.668	13.9%	6.5	0.309	589.786	0.6831	0.6730	0.3365	0.80	0.9920	0.0054	31.81	0.6819	32.87	1.1942	127.2	189.5	2.0E-06	3.98E-06	3.6E-04	0.2255
02-Aug	01:20:00	180.70	79.20	118	25	35.81	-58.90	35.654	13.9%	6.5	0.308	590.469	0.6831	0.6729	0.3365	0.83	0.9917	0.0056	31.79	0.6821	32.83	1.1942	125.1	186.3	2.0E-06	3.91E-06	3.5E-04	0.2258
02-Aug	01:22:00	180.30	79.20	117	24	35.79	-58.87	35.639	13.8%	6.5	0.307	591.152	0.6831	0.6732	0.3366	0.80	0.9920	0.0054	31.73	0.6827	32.79	1.1927	124.1	184.6	1.9E-06	3.87E-06	3.5E-04	0.2262
02-Aug	01:24:00	180.50	79.30	117	24	35.78	-58.83	35.625	13.8%	6.5	0.307	591.835	0.6831	0.6730	0.3365	0.80	0.9920	0.0054	31.69	0.6831	32.75	1.1923	124.1	184.5	1.9E-06	3.87E-06	3.5E-04	0.2265
02-Aug	01:26:00	180.50	79.00	118	24	35.74	-58.80	35.611	13.8%	6.5	0.306	592.519	0.6831	0.6734	0.3367	0.79	0.9921	0.0054	31.64	0.6836	32.71	1.1920	125.1	185.9	2.0E-06	3.90E-06	3.5E-04	0.2269
02-Aug	01:28:00	180.20	79.10	117	24	35.73	-58.77	35.596	13.7%	6.5	0.306	593.202	0.6831	0.6733	0.3366	0.80	0.9920	0.0054	31.60	0.6840	32.67	1.1906	124.1	184.2	1.9E-06	3.87E-06	3.5E-04	0.2272
02-Aug	01:30:00	180.40	79.10	114	24	35.76	-58.73	35.582	13.7%	6.5	0.305	593.885	0.6831	0.6733	0.3366	0.80	0.9920	0.0054	31.56	0.6844	32.63	1.1903	120.9	179.4	1.9E-06	3.77E-06	3.4E-04	0.2276
02-Aug	01:32:00	180.60	79.20	116	24	35.73	-58.70	35.568	13.7%	6.5	0.305	594.568	0.6831	0.6732	0.3366	0.80	0.9920	0.0054	31.53	0.6847	32.59	1.1898	123.0	182.5	1.9E-06	3.83E-06	3.4E-04	0.2279
02-Aug	01:34:00	180.60	79.10	116	26	35.71	-58.67	35.554	13.6%	6.4	0.304	595.251	0.6831	0.6728	0.3364	0.86	0.9914	0.0059	31.53	0.6847	32.55	1.1893	123.0	182.3	1.9E-06	3.82E-06	3.4E-04	0.2283
02-Aug	01:36:00	180.80	79.10	115	24	35.67	-58.63	35.539	13.6%	6.4	0.303	595.934	0.6831	0.6733	0.3366	0.80	0.9920	0.0054	31.44	0.6856	32.51	1.1890	121.9	180.7	1.9E-06	3.79E-06	3.4E-04	0.2286
02-Aug	01:38:00	180.30	79.10	114	25	35.63	-58.60	35.525	13.6%	6.4	0.303	596.617	0.6831	0.6731	0.3365	0.83	0.9917	0.0056	31.42	0.6858	32.47	1.1873	120.9	179.0	1.9E-06	3.76E-06	3.4E-04	0.2289
02-Aug	01:40:00	180.50	79.00	116	25	35.60	-58.57	35.511	13.5%	6.4	0.302	597.300	0.6831	0.6732	0.3366	0.83	0.9917	0.0056	31.38	0.6862	32.43	1.1872	121.0	182.0	1.9E-06	3.81E-06	3.4E-04	0.2293
02-Aug	01:42:00	180.50	79.00	116	24	35.63	-58.53	35.497	13.5%	6.4	0.302	597.983	0.6831	0.6734	0.3367	0.79	0.9921	0.0054	31.32	0.6868	32.39	1.1865	121.0	181.9	1.9E-06	3.81E-06	3.4E-04	0.2296
02-Aug	01:44:00	180.50	79.00	114	24	35.61	-58.50	35.483	13.5%	6.4	0.301	598.666	0.6831	0.6734	0.3367	0.79	0.9921	0.0054	31.28	0.6872	32.35	1.1858	120.9	178.7	1.9E-06	3.75E-06	3.4E-04	0.2299
02-Aug	01:46:00	180.50	78.90	113	25	35.54	-58.47	35.469	13.4%	6.4	0.301	599.349	0.6831	0.6734	0.3367	0.82	0.9918	0.0056	31.25	0.6875	32.31	1.1852	119.8	177.0	1.9E-06	3.72E-06	3.3E-04	0.2303
02-Aug	01:48:00	180.70	79.00	114	25	35.51	-58.43	35.455	13.4%	6.4	0.300	600.032	0.6831	0.6732	0.3366	0.83	0.9917	0.0056	31.22	0.6878	32.27	1.1848	120.9	178.5	1.9E-06	3.74E-06	3.3E-04	0.2306
02-Aug	01:50:00	180.70	79.00	112	24	35.53	-58.40	35.441	13.4%	6.3	0.299	600.715	0.6831	0.6734	0.3367	0.79	0.9921	0.0054	31.16	0.6884	32.23	1.1841	118.8	175.2	1.8E-06	3.68E-06	3.3E-04	0.2309
02-Aug	01:52:00	180.60	78.90	114	25	35.49	-58.37	35.427	13.3%	6.3	0.299	601.398	0.6831	0.6734	0.3367	0.82	0.9918	0.0056	31.13	0.6887	32.19	1.1834	120.9	178.2	1.9E-06	3.74E-06	3.3E-04	0.2313
02-Aug	01:54:00	180.70	79.00	111	25	35.49	-58.33	35.413	13.3%	6.3	0.298	602.082	0.6831	0.6732	0.3366	0.83	0.9917	0.0056	31.10	0.6890	32.15	1.1827	117.7	173.5	1.8E-06	3.64E-06	3.3E-04	0.2316
02-Aug	01:56:00	180.60	79.00	112	24	35.45	-58.30	35.399	13.3%	6.3	0.298	602.765	0.6831	0.6734	0.3367	0.79	0.9921	0.0054	31.04	0.6896	32.11	1.1819	118.8	174.9	1.8E-06	3.67E-06	3.3E-04	0.2319
02-Aug	01:58:00	180.50	79.00	111	24	35.41	-58.27	35.385	13.2%	6.3	0.297	603.448	0.6831	0.6734	0.3367	0.79	0.9921	0.0054	31.00	0.6900	32.07	1.1810	117.7	173.3	1.8E-06	3.64E-06	3.3E-04	0.2323
02-Aug	02:00:00	180.70	78.90	111	25	35.42	-58.23	35.371	13.2%	6.3	0.297	604.131	0.6831	0.6734	0.3367	0.82	0.9918	0.0056	30.97	0.6903	32.03	1.1808	117.7	173.1	1.8E-06	3.63E-06	3.3E-04	0.2326
02-Aug	02:02:00	180.30	79.00	111	25	35.43	-58.20	35.358	13.2%	6.3	0.296	604.814	0.6831	0.6732	0.3366	0.83	0.9917	0.0056	30.94	0.6906	31.99	1.1792	117.7	173.0	1.8E-06	3.63E-06	3.2E-04	0.2329
02-Aug	02:04:00	180.70	78.90	113	25	35.41	-58.17	35.344	13.2%	6.3	0.295	605.497	0.6831	0.6734	0.3367	0.82	0.9918	0.0056	30.89	0.6911	31.95	1.1795	119.8	176.1	1.8E-06	3.70E-06	3.3E-04	0.2332
02-Aug	02:06:00	180.70	79.00	110	25	35.38	-58.13	35.330	13.1%	6.3	0.295	606.180	0.6831	0.6732	0.3366	0.83	0.9917	0.0056	30.86	0.6914	31.91	1.1786	116.6	171.3	1.8E-06	3.59E-06	3.2E-04	0.2336
02-Aug	02:08:00	180.70	78.70	109	25	35.34	-58.10	35.316	13.1%	6.2	0.294	606.863	0.6831	0.6736	0.3368	0.82	0.9918	0.0056	30.80	0.6920	31.87	1.1784	115.6	169.6	1.8E-06	3.56E-06	3.2E-04	0.2339
02-Aug	02:10:00	180.90	78.70	112	25	35.36	-58.07	35.302	13.1%	6.2	0.294	607.546	0.6831	0.6736	0.3368	0.82	0.9918	0.0056	30.76	0.6924	31.83	1.1781	118.8	174.2	1.8E-06	3.66E-06	3.3E-04	0.2342
02-Aug	02:12:00	180.90	79.00	111	25	35.34	-58.03	35.289	13.0%	6.2	0.293	608.229	0.6831	0.6732	0.3366	0.83	0.9917	0.0056	30.74	0.6926	31.79	1.1770	117.7	172.5	1.8E-06	3.62E-06	3.2E-04	0.2345
02-Aug	02:14:00	180.90	78.90	110	25	35.36	-58.00	35.275	13.0%	6.2	0.293	608.912	0.6831	0.6734	0.3367	0.82	0.9918	0.0056	30.69	0.6931	31.75	1.1764	116.6	170.9	1.8E-06	3.59E-06	3.2E-04	0.2349
02-Aug	02:16:00	181.10	78.90	109	25	35.28	-57.97	35.261	13.0%	6.2	0.292	609.595	0.6831	0.6734	0.3367	0.82	0.9918	0.0056	30.65	0.6935	31.71	1.1761	115.6	169.2	1.8E-06	3.55E-06	3.2E-04	0.2352
02-Aug	02:18:00	180.70	79.00	109	25	35.24	-57.93	35.248	12.9%	6.2	0.292	610.278	0.6831	0.6732	0.3366	0.83	0.9917	0.0056	30.62	0.6938	31.67	1.1746	115.6	169.1	1.8E-06	3.55E-06	3.2E-04	0.2355
02-Aug	02:20:00	180.90	78.80	110	26	35.23	-57.90	35.234	12.9%	6.2	0.291	610.961	0.6831	0.6733	0.3366	0.85	0.9915	0.0058	30.59	0.6941	31.63	1.1746	116.6	170.6	1.8E-06	3.58E-06	3.2E-04	0.2358
02-Aug	02:22:00	180.70	78.70	109	25	35.22	-57.87	35.221	12.9%	6.2	0.290	611.645	0.6831	0.6736	0.3368	0.82	0.9918	0.0056	30.52	0.6948	31.59	1.1737	115.6	168.9	1.8E-06	3.55E-06	3.2E-04	0.2361
02-Aug	02:24:00	180.90	78.70	109	25	35.25	-57.83	35.207	12.8%	6.1	0.290	612.328	0.6831	0.6736	0.3368	0.82	0.9918	0.0056	30.48	0.6952	31.55	1.1734	115.6	168.8	1.8E-06	3.55E-06	3.2E-04	0.2364
02-Aug	02:26:00	180.90	78.60	106	25	35.24	-57.80	35.193	12.8%	6.1	0.289	613.011	0.6831	0.6738	0.3369	0.82	0.9918	0.0055	30.44	0.6956	31.51	1.1728	112.4	164.1	1.7E-06	3.45E-06	3.1E-04	0.2368
02-Aug	02:28:00	181.00	78.70	109	25	35.25	-57.77	35.180	12.7%	6.1	0.289	613.694	0.6831	0.6736	0.3368	0.82	0.9918	0.0056	30.40	0.6960	31.47	1.1722	115.6	168.6	1.8E-06	3.54E-06	3.2E-04	0.2371
02-Aug	02:30:00	181.00	78.60	107	25	35.26	-57.73	35.167	12.7%	6.1	0.288	614.377	0.6831	0.6738	0.3369	0.82	0.9918	0.0055	30.36	0.6964	31.43	1.1717	113.5	165.5	1.7E-06	3.48E-06	3.1E-04	0.2374
02-Aug	02:32:00	180.70	78.70	107	25	35.01	-57.70	35.153	12.7%	6.1	0.288	615.060	0.6831	0.6736	0.3368	0.82	0.9918	0.0056	30.32	0.6968	31.39	1.1703	113.5	165.4	1.7E-06	3.47E-06	3.1E-04	0.2377
02-Aug	02:34:00	180.80	78.60	107	25	35.04	-57.67	35.140	12.7%	6.1	0.287	615.743	0.6831	0.6738	0.3369	0.82	0.9918	0.0055	30.28	0.6972	31.35	1.1700	113.5	165.3	1.7E-06	3.47E-06	3.1E-04	0.2380
02-Aug	02:36:00	180.90	78.70	107	25	35.00	-57.63	35.126	12.7%	6.1	0.287	616.426	0.6831	0.6736	0.3368	0.82	0.9918	0.0056	30.25	0.6975	31.31	1.1694	113.5	165.2	1.7E-06	3.47E-06	3.1E-04	0.2383
02-Aug	02:38:00	180.90	78.50	106	26	35.01	-57.60	35.113	12.6%	6.1	0.286	617.109	0.6831	0.6737	0.3369	0.85	0.9915	0.0057	30.22	0.6978	31.27	1.1690	112.4	163.5	1.7E-06	3.43E-06	3.1E-04	0.2386
02-Aug	02:40:00	180.60	78.60	106	25	35.03	-57.57	35.100	12.6%	6.1	0.285	617.792	0.6831	0.6738	0.3369	0.82	0.9918	0.0055	30.16	0.6984	31.23	1.1676	112.4	163.4	1.7E-06	3.43E-06	3.1E-04	0.2389
02-Aug	02:42:00	180.90	78.50	105	25	34.97	-57.53	35.086	12.6%	6.0	0.285	618.475	0.6831	0.6739	0.3370	0.81	0.9919	0.0055	30.11	0.6989	31.19	1.1677	111.3	161.8	1.7E-06	3.40E-06	3.0E-04	0.2392
02-Aug	02:44:00	181.00	78.60	108	25	34.99	-57.50	35.073	12.5%	6.0	0.284	619.158	0.6831	0.6738	0.3369	0.82	0.9918	0.0055	30.08	0.6992	31.15	1.1670	114.5	166.3	1.7E-06	3.49E-06	3.1E-04	0.2395
02-Aug	02:46:00	181.10	78.60	104	26	34.93	-57.47	35.060	12.5%	6.0	0.284	619.841	0.6831	0.6736	0.3368	0.85	0.9915	0.0058	30.06	0.6994	31.11	1.1665	110.3	160.1	1.7E-06	3.36E-06	3.0E-04	0.2398
02-Aug	02:48:00	181.10	78.50	105	25	34.99	-57.43	35.046	12.5%	6.0	0.283	620.524	0.6831	0.6739	0.3370	0.81	0.9919	0.0055	30.00	0.7000	31.07	1.1660	111.3	161.5	1.7E-06	3.39E-06	3.0E-04	0.2401
02-Aug	02:50:00	181.20	78.50	104	25	34.99	-57.40	35.033	12.4%	6.0	0.283	621.207	0.6831	0.6739	0.3370	0.81	0.9919	0.0055	29.96	0.7004	31.03	1.1650	110.3	159.9	1.7E-06	3.36E-06	3.0E-04	0.2404
02-Aug	02:52:00	181.00	78.40	103	25	34.98	-57.37	35.020	12.4%	6.0	0.282	621.891	0.6831	0.6741	0.3370	0.81	0.9919	0.0055	29.91	0.7009	30.99	1.1647	109.2	158.3	1.7E-06	3.33E-06	3.0E-04	0.2407
02-Aug	02:54:00	180.99	78.40	103	25	34.92	-57.33	35.007	12.4%	6.0	0.282	622.574	0.6831	0.6741	0.3370	0.81	0.9919	0.0055	29.87	0.7013	30.95	1.1638	109.2	158.2	1.7E-06	3.32E-06	3.0E-04	0.2410
02-Aug	02:56:00	180.80	78.40	103	26	34.95	-57.30	34.994	12.4%	6.0	0.281	623.257	0.6831	0.6739	0.3369	0.84	0.9916	0.0057	29.85	0.7015	30.91	1.1630	109.2	158.1	1.7E-06	3.32E-06	3.0E-04	0.2413
02-Aug	02:58:00	181.00	78.40	103	26	34.90	-57.27	34.981	12.3%	5.9	0.281	623.940	0.6831	0.6739	0.3369	0.84	0.9916	0.0057	29.81	0.7019	30.87	1.1627	109.2	158.0	1.7E-06	3.32E-06	3.0E-04	0.2416
02-Aug	03:00:00	181.00	78.40	103	26	34.88	-57.23	34.967	12.3%	5.9	0.280	624.623	0.6831	0.6739	0.3369	0.84	0.9916	0.0057	29.77	0.7023	30.83	1.1621	109.2	157.9	1.7E-06	3.32E-06	3.0E-04	0.2419
02-Aug	03:02:00	181.30	78.40	103	26	34.89	-57.20	34.954	12.3%	5.9	0.279	625.306	0.6831	0.6739	0.3369	0.84	0.9916	0.0057	29.73	0.7027	30.79	1.1619	109.2	157.8	1.7E-06	3.31E-06	3.0E-04	0.2422
02-Aug	03:04:00	181.20	78.30	102	26	34.89	-57.17	34.941	12.2%	5.9	0.279	625.989	0.6831	0.6740	0.3370	0.84	0.9916	0.0057	29.69	0.7031	30.75	1.1613	108.2	156.2	1.6E-06	3.28E-06	2.9E-04	0.2425
02-Aug	03:06:00	181.00	78.10	101	26	34.89	-57.13	34.928	12.2%	5.9	0.278	626.672	0.6831	0.6743	0.3371	0.84	0.9916	0.0057	29.64	0.7036	30.71	1.1603	107.1	154.6	1.6E-06	3.25E-06	2.9E-04	0.2428
02-Aug	03:08:00	181.00	78.20	103	26	34.89	-57.10	34.915	12.2%	5.9	0.278	627.355	0.6831	0.6741	0.3371	0.84	0.9916	0.0057	29.60	0.7040	30.67	1.1597	109.2	157.5	1.7E-06	3.31E-06	3.0E-04	0.2431
02-Aug	03:10:00	181.00	78.20	102	26	34.76	-57.07	34.902	12.1%	5.9	0.277	628.038	0.6831	0.6741	0.3371	0.84	0.9916	0.0057	29.56	0.7044	30.63	1.1591	108.2	155.9	1.6E-06	3.28E-06	2.9E-04	0.2434
02-Aug	03:12:00	181.30	78.00	100	27	34.76	-57.03	34.889	12.1%	5.9	0.277	628.721	0.6831	0.6742	0.3371	0.86	0.9914	0.0059	29.54	0.7046	30.59	1.1593	106.0	152.8	1.6E-06	3.21E-06	2.9E-04	0.2437
02-Aug	03:14:00	181.30	78.00	100	27	34.79	-57.00	34.877	12.1%	5.9	0.276	629.404	0.6831	0.6742	0.3371	0.86	0.9914	0.0059	29.50	0.7050	30.55	1.1583	106.0	152.7	1.6E-06	3.21E-06	2.9E-04	0.2440
02-Aug	03:16:00	181.20	78.10	100	26	34.76	-56.97	34.864	12.1%	5.8	0.276	630.087	0.6831	0.6743	0.3371	0.84	0.9916	0.0057	29.44	0.7056	30.52	1.1577	106.0	152.6	1.6E-06	3.21E-06	2.9E-04	0.2443
02-Aug	03:18:00	181.30	78.00	100	26	34.75	-56.93	34.851	12.0%	5.8	0.275	630.770	0.6831	0.6744	0.3372	0.83	0.9917	0.0057	29.40	0.7060	30.48	1.1573	106.0	152.5	1.6E-06	3.21E-06	2.9E-04	0.2445
02-Aug	03:20:00	181.30	78.00	99	26	34.75	-56.90	34.838	12.0%	5.8	0.275	631.454	0.6831	0.6744	0.3372	0.83	0.9917	0.0057	29.36	0.7064	30.44	1.1567	105.0	150.9	1.6E-06	3.17E-06	2.8E-04	0.2448
02-Aug	03:22:00	181.20	78.00	99	26	34.69	-56.87	34.825	12.0%	5.8	0.274	632.137	0.6831	0.6744	0.3372	0.83	0.9917	0.0057	29.32	0.7068	30.40	1.1559	105.0	150.8	1.6E-06	3.17E-06	2.8E-04	0.2451
02-Aug	03:24:00	181.30	78.00	99	27	34.70	-56.83	34.812	11.9%	5.8	0.274	632.820	0.6831	0.6742	0.3371	0.86	0.9914	0.0059	29.30	0.7070	30.36	1.1554	105.0	150.7	1.6E-06	3.17E-06	2.8E-04	0.2454
02-Aug	03:26:00	181.20	78.00	99	27	34.71	-56.80	34.800	11.9%	5.8	0.273	633.503	0.6831	0.6742	0.3371	0.86	0.9914	0.0059	29.26	0.7074	30.32	1.1546	105.0	150.6	1.6E-06	3.17E-06	2.8E-04	0.2457
02-Aug	03:28:00	181.50	77.90	99	27	34.69	-56.77	34.787	11.9%	5.8	0.273	634.186	0.6831	0.6745	0.3373	0.86	0.9914	0.0058	29.21	0.7079	30.28	1.1548	105.0	150.6	1.6E-06	3.17E-06	2.8E-04	0.2460
02-Aug	03:30:00	181.40	77.70	99	26	34.65	-56.73	34.774	11.9%	5.8	0.272	634.869	0.6831	0.6749	0.3374	0.82	0.9918	0.0056	29.14	0.7086	30.24	1.1541	105.0	150.5	1.6E-06	3.17E-06	2.8E-04	0.2462
02-Aug	03:32:00	181.10	77.90	99	26	34.69	-56.70	34.761	11.8%	5.8	0.271	635.552	0.6831	0.6746	0.3371	0.83	0.9917	0.0056	29.11	0.7089	30.20	1.1526	105.0	150.4	1.6E-06	3.16E-06	2.8E-04	0.2465
02-Aug	03:34:00	181.10	78.00	99	26	34.61	-56.67	34.749	11.8%	5.7	0.271	636.235	0.6831	0.6744	0.3372	0.83	0.9917	0.0057	29.08	0.7092	30.16	1.1522	105.0	150.3	1.6E-06	3.16E-06	2.8E-04	0.2468
02-Aug	03:36:00	181.40	78.00	98	27	34.64	-56.63	34.736	11.8%	5.7	0.270	636.918	0.6831	0.6742	0.3371	0.86	0.9914	0.0059	29.06	0.7094	30.12	1.1517	103.9	148.7	1.6E-06	3.12E-06	2.8E-04	0.2471
02-Aug	03:38:00	181.60	78.00	97	26	34.60	-56.60	34.724	11.7%	5.7	0.270	637.601	0.6831	0.6744	0.3372	0.83	0.9917	0.0057	29.00	0.7100	30.08	1.1514	102.9	147.1	1.5E-06	3.09E-06	2.8E-04	0.2474

Northwest Hardwoo
Alder
August 1-4, 1996

Y= 1.0119	Span 601.2 567 571 ppmv	DDFT 11.18	Chamber 38.06 ft³
Pb= 29.9083 inHg	Zero 0 0 -19 ppmv		
Pb= 101.39 kPa			

NDDP	x	F(x)	A	B	C	D
m	-72.03	43.80	-0.33498	0.00919	-0.00011	0.00000
	-52.50	33.35	-0.14224	0.00326	-0.00005	
	-29.30	30.05	-0.02546	0.00056		
	-16.71	29.73	-0.00896			
	0.00	29.38				

1 Date	2 Time	3 Value Tc F	4 Value Tm F	5 Value VOC ppmv	6 Value RH %	7 Value M lbm	8 dt (hrs)	9 Calculated Wood Mass Wm lbm	10 Calculated Wood Moisture %Bwc %	Wood Water Change dWw g	11 Wood Water Volume Vw(wood) dscf	13 Meter Reading cuft dVm ft³	14 Inlet Meter Volume Wet Vm(wet) wscf	15 Inlet Meter Volume Dry Vm(std) dscf	16 Inlet Flowrate Dry Q(std) dscf/min	17 Inlet Air Moisture Bws(inlet) %	18 Inlet Air Fraction dry mfg(inlet)	19 Inlet Water Volume Vw(std) dscf	20 Inlet Air Moisture BWS(2) %	Inlet Air Dry mfg(2)	22 Cumulative Chamber Moisture BWS(3) %	23 New Gases at Chamber Conditions Vi ft³	24 Cgas(wet) ppmv	25 Cgas(Dry) ppmv	26 Mgas lbm/min	27 lbm	28 lbm/Mdbft	29 lbm/Mdbft
AVG		361.21	299.01	78.15	25.67	14.55																						
01-Aug	09:14:00	150.43	78.55																									
02-Aug	03:40:00	181.30	77.90	97	27	34.63	-56.57	34.711	11.7%	5.7	0.269	638.284	0.6831	0.6744	0.3372	0.86	0.9914	0.0059	28.98	0.7102	30.04	1.1504	102.9	147.0	1.3E-06	3.09E-06	2.1E-04	0.2476
02-Aug	03:42:00	181.60	77.80	97	27	34.61	-56.53	34.698	11.7%	5.7	0.269	638.967	0.6831	0.6745	0.3373	0.86	0.9914	0.0058	28.93	0.7107	30.00	1.1505	102.9	146.9	1.5E-06	3.09E-06	2.1E-04	0.2479
02-Aug	03:44:00	181.60	77.80	97	28	34.61	-56.50	34.686	11.6%	5.7	0.268	639.650	0.6831	0.6743	0.3371	0.89	0.9911	0.0061	28.92	0.7108	29.96	1.1498	102.9	146.8	1.5E-06	3.09E-06	2.1E-04	0.2482
02-Aug	03:46:00	181.70	77.70	96	28	34.58	-56.47	34.673	11.6%	5.7	0.268	640.333	0.6831	0.6744	0.3372	0.89	0.9911	0.0060	28.87	0.7113	29.92	1.1495	101.8	145.3	1.5E-06	3.05E-06	2.1E-04	0.2485
02-Aug	03:48:00	181.60	77.70	96	27	34.56	-56.43	34.661	11.6%	5.7	0.267	641.017	0.6831	0.6746	0.3373	0.86	0.9914	0.0058	28.81	0.7119	29.88	1.1487	101.8	145.2	1.5E-06	3.05E-06	2.1E-04	0.2487
02-Aug	03:50:00	181.50	77.70	96	26	34.58	-56.40	34.648	11.6%	5.7	0.267	641.700	0.6831	0.6749	0.3374	0.82	0.9918	0.0056	28.75	0.7125	29.84	1.1479	101.8	145.1	1.5E-06	3.05E-06	2.1E-04	0.2490
02-Aug	03:52:00	181.60	77.60	96	26	34.50	-56.37	34.636	11.5%	5.6	0.266	642.383	0.6831	0.6750	0.3375	0.82	0.9918	0.0056	28.70	0.7130	29.80	1.1476	101.8	145.0	1.5E-06	3.05E-06	2.1E-04	0.2493
02-Aug	03:54:00	181.40	77.60	96	27	34.49	-56.33	34.624	11.5%	5.6	0.266	643.066	0.6831	0.6748	0.3374	0.85	0.9915	0.0058	28.68	0.7132	29.76	1.1466	101.8	144.9	1.5E-06	3.05E-06	2.1E-04	0.2496
02-Aug	03:56:00	181.50	77.70	94	26	34.47	-56.30	34.611	11.5%	5.6	0.265	643.749	0.6831	0.6749	0.3374	0.82	0.9918	0.0056	28.63	0.7137	29.72	1.1460	99.7	141.8	1.5E-06	2.99E-06	2.7E-04	0.2498
02-Aug	03:58:00	181.50	77.60	95	26	34.49	-56.27	34.599	11.5%	5.6	0.265	644.432	0.6831	0.6750	0.3375	0.82	0.9918	0.0056	28.58	0.7142	29.68	1.1455	100.7	143.3	1.5E-06	3.01E-06	2.7E-04	0.2501
02-Aug	04:00:00	181.70	77.50	95	26	34.46	-56.23	34.586	11.4%	5.6	0.264	645.115	0.6831	0.6752	0.3376	0.82	0.9918	0.0056	28.54	0.7146	29.64	1.1454	100.7	143.2	1.5E-06	3.01E-06	2.7E-04	0.2504
02-Aug	04:02:00	181.80	77.60	94	27	34.45	-56.20	34.574	11.4%	5.6	0.264	645.798	0.6831	0.6748	0.3374	0.85	0.9915	0.0058	28.53	0.7147	29.60	1.1448	99.7	141.6	1.5E-06	2.98E-06	2.7E-04	0.2506
02-Aug	04:04:00	181.80	77.50	94	27	34.43	-56.17	34.562	11.4%	5.6	0.263	646.481	0.6831	0.6749	0.3375	0.85	0.9915	0.0058	28.48	0.7152	29.56	1.1443	99.7	141.5	1.5E-06	2.98E-06	2.7E-04	0.2509
02-Aug	04:06:00	181.60	77.50	95	27	34.40	-56.13	34.550	11.3%	5.6	0.262	647.164	0.6831	0.6749	0.3375	0.85	0.9915	0.0058	28.44	0.7156	29.52	1.1433	100.7	142.9	1.5E-06	3.01E-06	2.7E-04	0.2512
02-Aug	04:08:00	181.60	77.50	95	28	34.42	-56.10	34.537	11.3%	5.6	0.262	647.847	0.6831	0.6747	0.3374	0.88	0.9912	0.0060	28.43	0.7157	29.48	1.1427	100.7	142.8	1.5E-06	3.00E-06	2.7E-04	0.2514
02-Aug	04:10:00	181.60	77.50	95	27	34.45	-56.07	34.525	11.3%	5.5	0.261	648.530	0.6831	0.6749	0.3375	0.85	0.9915	0.0058	28.36	0.7164	29.44	1.1421	100.7	142.8	1.5E-06	3.00E-06	2.7E-04	0.2517
02-Aug	04:12:00	181.60	77.40	93	27	34.46	-56.03	34.513	11.3%	5.5	0.261	649.213	0.6831	0.6751	0.3375	0.85	0.9915	0.0058	28.32	0.7168	29.40	1.1416	98.6	139.7	1.5E-06	2.94E-06	2.6E-04	0.2520
02-Aug	04:14:00	181.80	77.50	93	27	34.43	-56.00	34.501	11.2%	5.5	0.260	649.896	0.6831	0.6749	0.3375	0.85	0.9915	0.0058	28.29	0.7171	29.36	1.1412	98.6	139.6	1.5E-06	2.94E-06	2.6E-04	0.2522
02-Aug	04:16:00	181.70	77.50	93	27	34.40	-55.97	34.489	11.2%	5.5	0.260	650.579	0.6831	0.6749	0.3375	0.85	0.9915	0.0058	28.25	0.7175	29.33	1.1404	98.6	139.5	1.5E-06	2.94E-06	2.6E-04	0.2525
02-Aug	04:18:00	181.90	77.40	92	27	34.39	-55.93	34.476	11.2%	5.5	0.259	651.263	0.6831	0.6751	0.3375	0.85	0.9915	0.0058	28.20	0.7180	29.29	1.1402	97.5	137.9	1.5E-06	2.90E-06	2.5E-04	0.2528
02-Aug	04:20:00	181.70	77.30	92	27	34.37	-55.90	34.464	11.1%	5.5	0.259	651.946	0.6831	0.6752	0.3376	0.84	0.9916	0.0057	28.16	0.7184	29.25	1.1394	97.5	137.9	1.5E-06	2.90E-06	2.5E-04	0.2530
02-Aug	04:22:00	181.90	77.20	91	27	34.39	-55.87	34.452	11.1%	5.5	0.258	652.629	0.6831	0.6754	0.3377	0.84	0.9916	0.0057	28.11	0.7189	29.21	1.1393	96.5	136.3	1.4E-06	2.87E-06	2.5E-04	0.2533
02-Aug	04:24:00	181.60	77.10	92	27	34.32	-55.83	34.440	11.1%	5.5	0.258	653.312	0.6831	0.6755	0.3378	0.84	0.9916	0.0057	28.07	0.7193	29.17	1.1383	97.5	137.7	1.4E-06	2.90E-06	2.5E-04	0.2535
02-Aug	04:26:00	181.90	77.20	91	27	34.33	-55.80	34.428	11.1%	5.5	0.257	653.995	0.6831	0.6754	0.3377	0.84	0.9916	0.0057	28.03	0.7197	29.13	1.1381	96.5	136.1	1.4E-06	2.87E-06	2.5E-04	0.2538
02-Aug	04:28:00	181.80	77.10	92	27	34.31	-55.77	34.416	11.0%	5.4	0.257	654.678	0.6831	0.6755	0.3378	0.84	0.9916	0.0057	27.99	0.7201	29.09	1.1374	97.5	137.6	1.4E-06	2.90E-06	2.5E-04	0.2540
02-Aug	04:30:00	181.90	77.20	90	27	34.31	-55.73	34.404	11.0%	5.4	0.256	655.361	0.6831	0.6754	0.3377	0.84	0.9916	0.0057	27.95	0.7205	29.05	1.1368	95.4	134.5	1.4E-06	2.83E-06	2.5E-04	0.2543
02-Aug	04:32:00	181.90	77.10	91	27	34.30	-55.70	34.392	11.0%	5.4	0.256	656.044	0.6831	0.6756	0.3378	0.84	0.9916	0.0057	27.91	0.7209	29.01	1.1364	96.5	135.9	1.4E-06	2.86E-06	2.5E-04	0.2546
02-Aug	04:34:00	181.80	77.10	91	27	34.28	-55.67	34.380	11.0%	5.4	0.255	656.727	0.6831	0.6755	0.3378	0.84	0.9916	0.0057	27.87	0.7213	28.97	1.1356	96.5	135.8	1.4E-06	2.86E-06	2.5E-04	0.2548
02-Aug	04:36:00	181.90	77.20	90	27	34.28	-55.63	34.368	10.9%	5.4	0.255	657.410	0.6831	0.6754	0.3377	0.84	0.9916	0.0057	27.84	0.7216	28.93	1.1350	95.4	134.3	1.4E-06	2.83E-06	2.5E-04	0.2551
02-Aug	04:38:00	181.90	77.10	89	26	34.26	-55.60	34.356	10.9%	5.4	0.254	658.093	0.6831	0.6757	0.3379	0.83	0.9919	0.0055	27.77	0.7223	28.89	1.1345	94.4	132.7	1.4E-06	2.80E-06	2.5E-04	0.2553
02-Aug	04:40:00	181.90	77.00	89	26	34.25	-55.57	34.341	10.9%	5.4	0.254	658.776	0.6831	0.6759	0.3379	0.81	0.9919	0.0055	27.72	0.7228	28.85	1.1341	94.4	132.6	1.4E-06	2.79E-06	2.5E-04	0.2556
02-Aug	04:42:00	181.90	77.00	89	26	34.25	-55.53	34.333	10.8%	5.4	0.253	659.459	0.6831	0.6759	0.3379	0.81	0.9919	0.0055	27.69	0.7231	28.81	1.1335	94.4	132.5	1.4E-06	2.79E-06	2.5E-04	0.2558
02-Aug	04:44:00	181.80	77.00	90	26	34.20	-55.50	34.321	10.8%	5.4	0.253	660.142	0.6831	0.6759	0.3379	0.81	0.9919	0.0055	27.65	0.7235	28.76	1.1327	95.4	134.0	1.4E-06	2.82E-06	2.5E-04	0.2561
02-Aug	04:46:00	181.90	77.10	89	26	34.22	-55.47	34.309	10.8%	5.3	0.252	660.826	0.6831	0.6757	0.3379	0.81	0.9919	0.0055	27.61	0.7239	28.72	1.1321	94.4	132.4	1.4E-06	2.79E-06	2.5E-04	0.2563
02-Aug	04:48:00	181.80	77.00	89	27	34.20	-55.43	34.297	10.8%	5.3	0.252	661.509	0.6831	0.6757	0.3378	0.84	0.9916	0.0057	27.59	0.7241	28.68	1.1314	94.4	132.3	1.4E-06	2.79E-06	2.5E-04	0.2566
02-Aug	04:50:00	181.80	76.90	89	27	34.16	-55.40	34.286	10.7%	5.3	0.251	662.192	0.6831	0.6758	0.3379	0.83	0.9917	0.0057	27.55	0.7245	28.64	1.1310	94.4	132.2	1.4E-06	2.79E-06	2.5E-04	0.2568
02-Aug	04:52:00	181.90	76.90	89	27	34.15	-55.37	34.274	10.7%	5.3	0.251	662.875	0.6831	0.6758	0.3379	0.83	0.9917	0.0057	27.51	0.7249	28.60	1.1303	94.4	132.2	1.4E-06	2.78E-06	2.5E-04	0.2571
02-Aug	04:54:00	182.30	77.10	89	26	34.12	-55.33	34.262	10.7%	5.3	0.250	663.558	0.6831	0.6757	0.3379	0.81	0.9919	0.0055	27.46	0.7254	28.56	1.1303	94.4	132.1	1.4E-06	2.78E-06	2.5E-04	0.2573
02-Aug	04:56:00	182.30	76.90	88	26	34.14	-55.30	34.250	10.7%	5.3	0.250	664.241	0.6831	0.6760	0.3380	0.80	0.9920	0.0055	27.41	0.7259	28.52	1.1300	93.3	130.5	1.4E-06	2.75E-06	2.5E-04	0.2576
02-Aug	04:58:00	181.90	77.00	87	26	34.11	-55.27	34.239	10.6%	5.3	0.249	664.924	0.6831	0.6757	0.3378	0.84	0.9916	0.0057	27.40	0.7260	28.48	1.1286	92.2	129.0	1.4E-06	2.72E-06	2.4E-04	0.2578
02-Aug	05:00:00	181.70	76.70	88	26	34.12	-55.23	34.227	10.6%	5.3	0.249	665.607	0.6831	0.6763	0.3381	0.80	0.9920	0.0054	27.32	0.7268	28.44	1.1281	93.3	130.4	1.4E-06	2.75E-06	2.5E-04	0.2580
02-Aug	05:02:00	181.90	76.70	88	26	34.07	-55.20	34.216	10.6%	5.3	0.248	666.290	0.6831	0.6763	0.3382	0.80	0.9920	0.0054	27.28	0.7272	28.40	1.1278	93.3	130.3	1.4E-06	2.75E-06	2.5E-04	0.2583
02-Aug	05:04:00	182.10	76.90	88	27	34.08	-55.17	34.204	10.6%	5.3	0.248	666.973	0.6831	0.6758	0.3379	0.83	0.9917	0.0057	27.27	0.7273	28.36	1.1266	93.3	130.3	1.4E-06	2.74E-06	2.4E-04	0.2585
02-Aug	05:06:00	182.10	76.80	88	27	34.08	-55.13	34.192	10.5%	5.2	0.247	667.656	0.6831	0.6760	0.3380	0.83	0.9917	0.0057	27.23	0.7277	28.32	1.1264	93.3	130.2	1.4E-06	2.74E-06	2.4E-04	0.2588
02-Aug	05:08:00	182.30	76.80	87	27	34.11	-55.10	34.181	10.5%	5.2	0.247	668.339	0.6831	0.6759	0.3380	0.83	0.9917	0.0057	27.19	0.7281	28.28	1.1262	92.2	128.6	1.4E-06	2.71E-06	2.4E-04	0.2590
02-Aug	05:10:00	182.20	76.80	86	27	34.07	-55.07	34.169	10.5%	5.2	0.246	669.022	0.6831	0.6757	0.3379	0.86	0.9914	0.0059	27.17	0.7283	28.24	1.1258	91.2	127.1	1.3E-06	2.68E-06	2.4E-04	0.2593
02-Aug	05:12:00	181.90	76.80	86	27	34.07	-55.03	34.158	10.4%	5.2	0.246	669.705	0.6831	0.6760	0.3380	0.83	0.9917	0.0057	27.11	0.7289	28.21	1.1247	91.2	127.0	1.3E-06	2.68E-06	2.4E-04	0.2595
02-Aug	05:14:00	182.50	76.80	86	27	34.09	-55.00	34.146	10.4%	5.2	0.245	670.389	0.6831	0.6760	0.3380	0.83	0.9917	0.0057	27.07	0.7293	28.17	1.1251	91.2	126.9	1.3E-06	2.67E-06	2.4E-04	0.2597
02-Aug	05:16:00	182.30	76.60	85	27	34.04	-54.97	34.135	10.4%	5.2	0.245	671.072	0.6831	0.6762	0.3381	0.83	0.9917	0.0056	27.02	0.7298	28.13	1.1245	90.1	125.4	1.3E-06	2.64E-06	2.4E-04	0.2600
02-Aug	05:18:00	182.10	76.80	86	27	34.04	-54.93	34.124	10.4%	5.2	0.244	671.755	0.6831	0.6760	0.3380	0.83	0.9917	0.0057	26.99	0.7301	28.09	1.1232	91.2	126.8	1.3E-06	2.67E-06	2.4E-04	0.2602
02-Aug	05:20:00	182.40	76.70	86	27	34.01	-54.90	34.112	10.3%	5.2	0.244	672.438	0.6831	0.6761	0.3380	0.83	0.9917	0.0056	26.95	0.7305	28.05	1.1233	91.2	126.7	1.3E-06	2.67E-06	2.4E-04	0.2605
02-Aug	05:22:00	182.30	76.50	85	27	34.00	-54.87	34.101	10.3%	5.1	0.243	673.121	0.6831	0.6764	0.3382	0.82	0.9918	0.0056	26.90	0.7310	28.01	1.1228	90.1	125.2	1.3E-06	2.64E-06	2.4E-04	0.2607
02-Aug	05:24:00	182.30	76.60	85	28	33.99	-54.83	34.089	10.3%	5.1	0.243	673.804	0.6831	0.6760	0.3380	0.86	0.9914	0.0059	26.89	0.7311	27.97	1.1221	89.1	123.6	1.3E-06	2.61E-06	2.3E-04	0.2609
02-Aug	05:26:00	182.20	76.60	85	28	34.01	-54.80	34.078	10.3%	5.1	0.242	674.487	0.6831	0.6760	0.3380	0.86	0.9914	0.0059	26.85	0.7315	27.93	1.1213	90.1	125.1	1.3E-06	2.64E-06	2.4E-04	0.2612
02-Aug	05:28:00	182.30	76.50	85	27	33.98	-54.77	34.067	10.2%	5.1	0.242	675.170	0.6831	0.6762	0.3381	0.83	0.9917	0.0056	26.79	0.7321	27.89	1.1209	90.1	125.0	1.3E-06	2.63E-06	2.4E-04	0.2614
02-Aug	05:30:00	182.10	76.60	83	28	34.01	-54.73	34.056	10.2%	5.1	0.241	675.853	0.6831	0.6760	0.3380	0.86	0.9914	0.0058	26.77	0.7323	27.85	1.1199	88.0	122.0	1.3E-06	2.57E-06	2.3E-04	0.2616
02-Aug	05:32:00	182.10	76.60	85	28	34.00	-54.70	34.044	10.2%	5.1	0.241	676.536	0.6831	0.6760	0.3380	0.86	0.9914	0.0058	26.73	0.7327	27.81	1.1193	90.1	124.9	1.3E-06	2.63E-06	2.4E-04	0.2619
02-Aug	05:34:00	182.10	76.60	83	28	33.96	-54.67	34.033	10.2%	5.1	0.240	677.219	0.6831	0.6760	0.3380	0.86	0.9914	0.0058	26.70	0.7330	27.77	1.1188	88.0	121.8	1.3E-06	2.57E-06	2.3E-04	0.2621
02-Aug	05:36:00	182.30	76.60	84	27	33.95	-54.63	34.022	10.1%	5.1	0.240	677.902	0.6831	0.6762	0.3381	0.83	0.9917	0.0056	26.63	0.7337	27.73	1.1185	89.1	123.2	1.3E-06	2.60E-06	2.3E-04	0.2623
02-Aug	05:38:00	182.40	76.60	83	27	33.96	-54.60	34.011	10.1%	5.1	0.239	678.585	0.6831	0.6762	0.3381	0.83	0.9917	0.0056	26.60	0.7340	27.70	1.1178	90.1	124.6	1.3E-06	2.63E-06	2.4E-04	0.2626
02-Aug	05:40:00	182.40	76.60	83	27	33.94	-54.57	33.999	10.1%	5.1	0.239	679.268	0.6831	0.6762	0.3381	0.83	0.9917	0.0056	26.56	0.7344	27.66	1.1175	88.0	121.6	1.3E-06	2.56E-06	2.3E-04	0.2628
02-Aug	05:42:00	182.40	76.50	82	27	33.91	-54.53	33.988	10.1%	5.0	0.238	679.951	0.6831	0.6764	0.3382	0.82	0.9918	0.0056	26.51	0.7349	27.62	1.1171	86.9	120.1	1.3E-06	2.53E-06	2.3E-04	0.2630
02-Aug	05:44:00	182.30	76.30	83	28	33.89	-54.50	33.977	10.0%	5.0	0.238	680.635	0.6831	0.6767	0.3383	0.82	0.9918	0.0056	26.46	0.7354	27.58	1.1166	88.0	121.5	1.3E-06	2.56E-06	2.3E-04	0.2632
02-Aug	05:46:00	182.40	76.50	83	28	33.93	-54.47	33.966	10.0%	5.0	0.237	681.318	0.6831	0.6762	0.3381	0.85	0.9915	0.0058	26.46	0.7354	27.54	1.1160	88.0	121.4	1.3E-06	2.56E-06	2.3E-04	0.2635
02-Aug	05:48:00	182.40	76.50	83	28	33.92	-54.43	33.955	10.0%	5.0	0.237	682.001	0.6831	0.6764	0.3382	0.82	0.9918	0.0056	26.40	0.7360	27.50	1.1153	88.0	121.4	1.3E-06	2.56E-06	2.3E-04	0.2637
02-Aug	05:50:00	182.30	76.40	81	27	33.89	-54.40	33.944	10.0%	5.0	0.236	682.684	0.6831	0.6765	0.3383	0.82	0.9918	0.0056	26.35	0.7365	27.46	1.1146	88.0	121.3	1.3E-06	2.56E-06	2.3E-04	0.2639
02-Aug	05:52:00	182.30	76.30	82	28	33.91	-54.37	33.933	9.9%	5.0	0.236	683.367	0.6831	0.6763	0.3382	0.85	0.9915	0.0058	26.34	0.7366	27.42	1.1141	86.9	119.8	1.3E-06	2.53E-06	2.3E-04	0.2642
02-Aug	05:54:00	182.40	76.30	82	27	33.88	-54.33	33.922	9.9%	5.0	0.236	684.050	0.6831	0.6767	0.3383	0.82	0.9918	0.0056	26.27	0.7373	27.38	1.1139	88.0	121.2	1.3E-06	2.56E-06	2.3E-04	0.2644
02-Aug	05:56:00	182.40	76.30	82	27	33.87	-54.30	33.911	9.9%	5.0	0.235	684.733	0.6831	0.6767	0.3383	0.82	0.9918	0.0056	26.23	0.7377	27.34	1.1153	86.9	119.7	1.3E-06	2.52E-06	2.3E-04	0.2646
02-Aug	05:58:00	182.40	76.30	81	28	33.85	-54.27	33.900	9.9%	5.0	0.235	685.416	0.6831	0.6765	0.3382	0.85	0.9915	0.0058	26.21	0.7379	27.30	1.1127	85.9	118.1	1.2E-06	2.49E-06	2.2E-04	0.2648
02-Aug	06:00:00	182.30	76.30	81	27	33.82	-54.23	33.889	9.8%	5.0	0.234	686.099	0.6831	0.6767	0.3383	0.82	0.9918	0.0056	26.15	0.7385	27.26	1.1120	85.9	118.1	1.2E-06	2.49E-06	2.2E-04	0.2651
02-Aug	06:02:00	182.50	76.30	81	28	33.85	-54.20	33.878	9.8%	5.0	0.234	686.782	0.6831	0.6765	0.3382	0.85	0.9915	0.0058	26.14	0.7386	27.22	1.1117	85.9	118.0	1.2E-06	2.49E-06	2.2E-04	0.2653
02-Aug	06:04:00	182.40	76.40	81	27	33.83	-54.17	33.867	9.8%	4.9	0.233	687.465	0.6831	0.6765	0.3383	0.82	0.9918	0.0056	26.08	0.7392	27.18	1.1108	85.9	117.9	1.2E-06	2.49E-06	2.2E-04	0.2655
02-Aug	06:06:00	182.40	76.30	81	28	33.84	-54.13	33.856	9.8%	4.9	0.233	688.148	0.6831	0.6765	0.3382	0.85	0.9915	0.0058	26.06	0.7394	27.15	1.1104	85.9	117.9	1.2E-06	2.49E-06	2.2E-04	0.2657
02-Aug	06:08:00	182.40	76.20	79	27	33.80	-54.10	33.845	9.7%	4.9	0.232	688.831	0.6831	0.6768	0.3384	0.81	0.9919	0.0056	25.99	0.7401	27.11	1.1100	83.8	114.9	1.2E-06	2.42E-06	2.2E-04	0.2659
02-Aug	06:10:00	182.10	76.10	79	28	33.77	-54.07	33.835	9.7%	4.9	0.232	689.514	0.6831	0.6768	0.3384	0.84	0.9916	0.0057	25.97	0.7403	27.07	1.1090	83.8	114.9	1.2E-06	2.42E-06	2.2E-04	0.2662
02-Aug	06:12:00	182.30	76.20	79	27	33.77	-54.03	33.824	9.7%	4.9	0.231	690.198	0.6831	0.6768	0.3384	0.81	0.9919	0.0056	25.92	0.7408	27.03	1.1086	83.8	114.8	1.2E-06	2.42E-06	2.2E-04	0.2664
02-Aug	06:14:00	182.50	76.30	79	28	33.76	-54.00	33.813	9.7%	4.9	0.231	690.881	0.6831	0.6765	0.3382	0.85	0.9915	0.0058	25.91	0.7409	26.99	1.1083	83.8	114.7	1.2E-06	2.42E-06	2.2E-04	0.2666
02-Aug	06:16:00	182.50	76.10	80	28	33.75	-53.97	33.802	9.6%	4.9	0.230	691.564	0.6831	0.6768	0.3384	0.84	0.9916	0.0057	25.86	0.7414	26.95	1.1080	84.8	116.1	1.2E-06	2.45E-06	2.2E-04	0.2668
02-Aug	06:18:00	182.50	76.20	79	28	33.73	-53.93	33.792	9.6%	4.9	0.230	692.247	0.6831	0.6766	0.3383	0.84	0.9916	0.0058	25.82	0.7418	26.91	1.1072	83.8	114.6	1.2E-06	2.42E-06	2.2E-04	0.2670
02-Aug	06:20:00	182.70	76.20	79	28	33.76	-53.90	33.781	9.6%	4.9	0.229	692.930	0.6831	0.6766	0.3383	0.84	0.9916	0.0058	25.79	0.7421	26.87	1.1070	83.8	114.5	1.2E-06	2.42E-06	2.2E-04	0.2672
02-Aug	06:22:00	182.50	76.30	80	27	33.73	-53.87	33.770	9.6%	4.9	0.229	693.613	0.6831	0.6767	0.3383	0.82	0.9918	0.0056	25.73	0.7427	26.83	1.1059	84.8	115.9	1.2E-06	2.45E-06	2.2E-04	0.2675
02-Aug	06:24:00	182.40	76.20	79	28	33.70	-53.83	33.759	9.5%	4.8	0.228	694.296	0.6831	0.6766	0.3383	0.84	0.9916	0.0058	25.71	0.7429	26.79	1.1054	83.8	114.4	1.2E-06	2.41E-06	2.2E-04	0.2677
02-Aug	06:26:00	182.60	76.20	79	28	33.66	-53.80	33.749	9.5%	4.8	0.228	694.979	0.6831	0.6766	0.3383	0.84	0.9916	0.0058	25.67	0.7433	26.76	1.1051	83.8	114.4	1.2E-06	2.41E-06	2.2E-04	0.2679
02-Aug	06:28:00	182.80	76.20	79	27	33.69	-53.77	33.738	9.5%	4.8	0.227	695.662	0.6831	0.6768	0.3384	0.81	0.9919	0.0056	25.61	0.7439	26.72	1.1049	83.8	114.3	1.2E-06	2.41E-06	2.2E-04	0.2681
02-Aug	06:30:00	182.70	76.20	78	27	33.67	-53.73	33.728	9.5%	4.8	0.227	696.345	0.6831	0.6768	0.3384	0.81	0.9919	0.0056	25.57	0.7443	26.68	1.1042	82.7	112.8	1.2E-06	2.38E-06	2.1E-04	0.2683
02-Aug	06:32:00	182.50	76.00	78	28	33.66	-53.70	33.717	9.4%	4.8	0.227	697.028	0.6831	0.6769	0.3384	0.84	0.9916	0.0057	25.54	0.7446	26.64	1.1036	82.7	112.7	1.2E-06	2.38E-06	2.1E-04	0.2685
02-Aug	06:34:00	182.70	76.00	78	27	33.66	-53.67	33.706	9.4%	4.8	0.226	697.711	0.6831	0.6771	0.3386	0.81	0.9919	0.0055	25.48	0.7452	26.60	1.1033	82.7	112.7	1.2E-06	2.38E-06	2.1E-04	0.2687
02-Aug	06:36:00	182.70	76.00	79	28	33.65	-53.63	33.696	9.4%	4.8	0.226	698.394	0.6831	0.6769	0.3385	0.84	0.9916	0.0057	25.47	0.7453	26.56	1.1028	83.8	114.1	1.2E-06	2.41E-06	2.2E-04	0.2690
02-Aug	06:38:00	182.50	76.20	77	27	33.62	-53.60	33.685	9.4%	4.8	0.225	699.077	0.6831	0.6768	0.3384	0.81	0.9919	0.0056	25.42	0.7458	26.52	1.1021	81.6	111.1	1.2E-06	2.34E-06	2.1E-04	0.2692
02-Aug	06:40:00	182.80	76.00	78	27	33.65	-53.57	33.675	9.3%	4.8	0.225	699.761	0.6831	0.6771	0.3386	0.81	0.9919	0.0055	25.37	0.7463	26.48	1.1018	82.7	112.5	1.2E-06	2.37E-06	2.1E-04	0.2694
02-Aug	06:42:00	183.00	76.20	77	27	33.61	-53.53	33.664	9.3%	4.8	0.224	700.444	0.6831	0.6768	0.3384	0.81	0.9919	0.0056	25.34	0.7466	26.44	1.1013	81.6	111.0	1.2E-06	2.34E-06	2.1E-04	0.2696
02-Aug	06:44:00	182.80	76.00	77	28	33.61	-53.50	33.654	9.3%	4.7	0.224	701.127	0.6831	0.6769	0.3384	0.84	0.9916	0.0057	25.31	0.7469	26.40	1.1007	81.6	110.9	1.2E-06	2.34E-06	2.1E-04	0.2698
02-Aug	06:46:00	182.90	75.90	76	27	33.54	-53.47	33.643	9.3%	4.7	0.223	701.810	0.6831	0.6773	0.3386	0.81	0.9919	0.0055	25.25	0.7475	26.37	1.1005	80.6	109.4	1.2E-06	2.31E-06	2.1E-04	0.2700
02-Aug	06:48:00	182.90	76.00	76	27	33.58	-53.43	33.633	9.2%	4.7	0.223	702.493	0.6831	0.6771	0.3386	0.81	0.9919	0.0055	25.22	0.7478	26.33	1.0997	80.6	109.4	1.2E-06	2.31E-06	2.1E-04	0.2702
02-Aug	06:50:00	183.20	76.00	76	28	33.58	-53.40	33.623	9.2%	4.7	0.222	703.176	0.6831	0.6769	0.3384	0.84	0.9916	0.0057	25.20	0.7480	26.29	1.0997	80.6	109.3	1.2E-06	2.31E-06	2.1E-04	0.2704
02-Aug	06:52:00	183.00	76.00	76	28	33.54	-53.37	33.612	9.2%	4.7	0.222	703.859	0.6831	0.6769	0.3385	0.84	0.9916	0.0057	25.16	0.7484	26.25	1.0988	80.6	109.3	1.2E-06	2.31E-06	2.1E-04	0.2706
02-Aug	06:54:00	183.00	75.90	76	28	33.58	-53.33	33.602	9.2%	4.7	0.221	704.542	0.6831	0.6770	0.3385	0.84	0.9916	0.0057	25.12	0.7488	26.21	1.0984	80.6	109.2	1.2E-06	2.30E-06	2.1E-04	0.2708
02-Aug	06:56:00	183.00	75.90	76	28	33.54	-53.30	33.592	9.2%	4.7	0.221	705.225	0.6831	0.6771	0.3385	0.84	0.9916	0.0057	25.08	0.7492	26.17	1.0978	80.6	109.2	1.2E-06	2.30E-06	2.1E-04	0.2710
02-Aug	06:58:00	183.00	75.80	75	27	33.56	-53.27	33.581	9.1%	4.7	0.220	705.908	0.6831	0.6774	0.3387	0.80	0.9920	0.0055	25.01	0.7499	26.13	1.0974	79.5	107.7	1.1E-06	2.27E-06	2.0E-04	0.2712
02-Aug	07:00:00	183.00	75.80	75	27	33.53	-53.23	33.571	9.1%	4.7	0.220	706.591	0.6831	0.6774	0.3387	0.80	0.9920	0.0055	24.98	0.7502	26.09	1.0969	79.5	107.6	1.1E-06	2.27E-06	2.0E-04	0.2714
02-Aug	07:02:00	183.00	75.80	75	27	33.51	-53.20	33.561	9.1%	4.7	0.220	707.274	0.6831	0.6774	0.3387	0.80	0.9920	0.0055	24.94	0.7506	26.05	1.0963	79.5	107.5	1.1E-06	2.27E-06	2.0E-04	0.2717
02-Aug	07:04:00	183.30	75.80	75	27	33.53	-53.17	33.550	9.1%	4.6	0.219	707.957	0.6831	0.6774	0.3387	0.80	0.9920	0.0055	24.90	0.7510	26.02	1.0962	79.5	107.5	1.1E-06	2.27E-06	2.0E-04	0.2719
02-Aug	07:06:00	183.30	75.80	75	28	33.50	-53.13	33.540	9.0%	4.6	0.219	708.640	0.6831	0.6772	0.3386	0.83	0.9917	0.0057	24.88	0.7512	25.98	1.0957	79.5	107.4	1.1E-06	2.27E-06	2.0E-04	0.2721
02-Aug	07:08:00	183.20	76.00	75	27	33.53	-53.10	33.530	9.0%	4.6	0.218	709.323	0.6831	0.6771	0.3386	0.81	0.9919	0.0055	24.83	0.7517	25.94	1.0947	79.5	107.4	1.1E-06	2.27E-06	2.0E-04	0.2723
02-Aug	07:10:00	183.40	76.00	75	27	33.48	-53.07	33.520	9.0%	4.6	0.218	710.007	0.6831	0.6771	0.3386	0.81	0.9919	0.0055	24.80	0.7520	25.90	1.0944	79.5	107.3	1.1E-06	2.27E-06	2.0E-04	0.2725
02-Aug	07:12:00	183.20	75.90	75	27	33.50	-53.03	33.510	9.0%	4.6	0.217	710.690	0.6831	0.6773	0.3385	0.83	0.9919	0.0055	24.75	0.7525	25.86	1.0937	79.5	107.3	1.1E-06	2.26E-06	2.0E-04	0.2727
02-Aug	07:14:00	183.30	76.00	75	28	33.49	-53.00	33.500	8.9%	4.6	0.217	711.373	0.6831	0.6769	0.3384	0.84	0.9916	0.0057	24.74	0.7526	25.82	1.0932	79.5	107.2	1.1E-06	2.26E-06	2.0E-04	0.2729
02-Aug	07:16:00	183.30	75.80	75	28	33.47	-52.97	33.489	8.9%	4.6	0.216	712.056	0.6831	0.6772	0.3386	0.83	0.9917	0.0057	24.69	0.7531	25.78	1.0929	79.5	107.2	1.1E-06	2.26E-06	2.0E-04	0.2731
02-Aug	07:18:00	183.30	75.70	74	28	33.48	-52.93	33.479	8.9%	4.6	0.216	712.739	0.6831	0.6773	0.3387	0.83	0.9917	0.0057	24.65	0.7535	25.75	1.0926	78.5	105.7	1.1E-06	2.23E-06	2.0E-04	0.2733
02-Aug	07:20:00	183.30	75.80	74	28	33.44	-52.90	33.469	8.9%	4.6	0.215	713.422	0.6831	0.6772	0.3386	0.83	0.9917	0.0057	24.61	0.7539	25.71	1.0918	78.5	105.6	1.1E-06	2.23E-06	2.0E-04	0.2735
02-Aug	07:22:00	183.20	75.50	73	27	33.47	-52.87	33.459	8.9%	4.6	0.215	714.105	0.6831	0.6778	0.3389	0.80	0.9920	0.0054	24.54	0.7546	25.67	1.0916	77.4	104.1	1.1E-06	2.20E-06	2.0E-04	0.2737
02-Aug	07:24:00	183.20	75.70	74	27	33.41	-52.83	33.449	8.8%	4.6	0.215	714.788	0.6831	0.6775	0.3388	0.80	0.9920	0.0055	24.51	0.7549	25.63	1.0907	78.5	105.5	1.1E-06	2.23E-06	2.0E-04	0.2739
02-Aug	07:26:00	183.20	75.70	74	28	33.41	-52.80	33.439	8.8%	4.5	0.214	715.471	0.6831	0.6773	0.3387	0.83	0.9917	0.0057	24.50	0.7550	25.59	1.0902	78.5	105.4	1.1E-06	2.23E-06	2.0E-04	0.2741
02-Aug	07:28:00	183.20	75.70	75	27	33.41	-52.77	33.429	8.8%	4.5	0.214	716.154	0.6831	0.6775	0.3388	0.80	0.9920	0.0055	24.44	0.7556	25.55	1.0896	79.5	106.8	1.1E-06	2.26E-06	2.0E-04	0.2743
02-Aug	07:30:00	183.40	75.80	73	28	33.42	-52.73	33.419	8.8%	4.5	0.213	716.837	0.6831	0.6773	0.3387	0.83	0.9917	0.0057	24.42	0.7558	25.51	1.0894	77.4	103.9	1.1E-06	2.19E-06	2.0E-04	0.2745
02-Aug	07:32:00	183.20	75.60	72	28	33.40	-52.70	33.409	8.7%	4.5	0.213	717.520	0.6831	0.6775	0.3387	0.83	0.9917	0.0057	24.38	0.7562	25.48	1.0887	76.3	102.4	1.1E-06	2.16E-06	1.9E-04	0.2747
02-Aug	07:34:00	183.30	75.70	75	28	33.41	-52.67	33.399	8.7%	4.5	0.212	718.203	0.6831	0.6773	0.3387	0.83	0.9917	0.0057	24.35	0.7565	25.44	1.0882	79.5	106.7	1.1E-06	2.25E-06	2.0E-04	0.2749
02-Aug	07:36:00	183.40	75.70	73	27	33.36	-52.63	33.389	8.7%	4.5	0.212	718.886	0.6831	0.6775	0.3388	0.80	0.9920	0.0055	24.29	0.7571	25.40	1.0878	77.4	103.8	1.1E-06	2.19E-06	2.0E-04	0.2751
02-Aug	07:38:00	183.40	75.60	74	28	33.37	-52.60	33.380	8.7%	4.5	0.211	719.570	0.6831	0.6775	0.3387	0.83	0.9917	0.0057	24.27	0.7573	25.36	1.0874	78.5	105.1	1.1E-06	2.22E-06	2.0E-04	0.2753
02-Aug	07:40:00	183.20	75.60	74	28	33.41	-52.57	33.370	8.6%	4.5	0.211	720.253	0.6831	0.6775	0.3387	0.83	0.9917	0.0057	24.23	0.7577	25.32	1.0865	78.5	105.1	1.1E-06	2.22E-06	2.0E-04	0.2755
02-Aug	07:42:00	183.20	75.70	72	28	33.39	-52.53	33.360	8.6%	4.5	0.211	720.936	0.6831	0.6773	0.3387	0.83	0.9917	0.0057	24.20	0.7580	25.28	1.0858	76.3	102.2	1.1E-06	2.16E-06	1.9E-04	0.2756
02-Aug	07:44:00	183.50	75.60	72	28	33.35	-52.50	33.350	8.6%	4.5	0.210	721.619	0.6831	0.6775	0.3387	0.83	0.9917	0.0057	24.15	0.7585	25.25	1.0850	76.3	102.1	1.1E-06	2.16E-06	1.9E-04	0.2758
02-Aug	07:46:00	183.40	75.50	72	28	33.36	-52.47	33.340	8.6%	4.4	0.210	722.302	0.6831	0.6776	0.3388	0.83	0.9917	0.0056	24.13	0.7589	25.21	1.0844	76.3	102.1	1.1E-06	2.16E-06	1.9E-04	0.2760
02-Aug	07:48:00	183.40	75.50	72	29	33.34	-52.43	33.330	8.6%	4.4	0.209	722.985	0.6831	0.6774	0.3387	0.85	0.9915	0.0058	24.10	0.7590	25.17	1.0849	76.3	102.0	1.1E-06	2.15E-06	1.9E-04	0.2762
02-Aug	07:50:00	183.30	75.30	72	28	33.32	-52.40	33.321	8.5%	4.4	0.209	723.668	0.6831	0.6776	0.3388	0.83	0.9917	0.0056	24.04	0.7596	25.13	1.0842	76.3	102.0	1.1E-06	2.15E-06	1.9E-04	0.2764
02-Aug	07:52:00	183.30	75.40	73	28	33.34	-52.37	33.311	8.5%	4.4	0.208	724.351	0.6831	0.6773	0.3387	0.83	0.9917	0.0057	24.00	0.7600	25.09	1.0838	77.4	103.3	1.1E-06	2.18E-06	2.0E-04	0.2766
02-Aug	07:54:00	183.10	75.50	71	28	33.31	-52.33	33.301	8.5%	4.4	0.208	725.034	0.6831	0.6776	0.3388	0.83	0.9917	0.0056	23.96	0.7604	25.06	1.0831	75.3	100.5	1.1E-06	2.12E-06	1.9E-04	0.2768
02-Aug	07:56:00	183.20	75.60	71	29	33.27	-52.30	33.291	8.5%	4.4	0.207	725.717	0.6831	0.6773	0.3386	0.86	0.9914	0.0059	23.95	0.7605	25.02	1.0822	75.3	100.4	1.1E-06	2.12E-06	1.9E-04	0.2770
02-Aug	07:58:00	183.20	75.50	73	28	33.27	-52.27	33.282	8.4%	4.4	0.207	726.400	0.6831	0.6776	0.3388	0.83	0.9917	0.0056	23.88	0.7612	24.98	1.0818	77.4	103.2	1.1E-06	2.18E-06	1.9E-04	0.2772
02-Aug	08:00:00	183.40	75.60	72	28	33.30	-52.23	33.272	8.4%	4.4	0.207	727.083	0.6831	0.6775	0.3387	0.83	0.9917	0.0057	23.85	0.7615	24.94	1.0815	76.3	101.7	1.1E-06	2.15E-06	1.9E-04	0.2774
02-Aug	08:02:00	183.60	75.70	71	27	33.26	-52.20	33.263	8.4%	4.4	0.206	727.766	0.6831	0.6775	0.3388	0.80	0.9920	0.0055	23.80	0.7620	24.90	1.0811	75.3	100.2	1.1E-06	2.12E-06	1.9E-04	0.2776
02-Aug	08:04:00	183.10	75.60	71	28	33.28	-52.17	33.253	8.4%	4.4	0.206	728.449	0.6831	0.6775	0.3387	0.83	0.9917	0.0057	23.78	0.7622	24.87	1.0799	75.3	100.2	1.1E-06	2.12E-06	1.9E-04	0.2778
02-Aug	08:06:00	183.20	75.70	72	28	33.23	-52.13	33.243	8.4%	4.4	0.205	729.133	0.6831	0.6773	0.3387	0.83	0.9917	0.0057	23.75	0.7625	24.83	1.0794	76.3	101.6	1.1E-06	2.14E-06	1.9E-04	0.2779
02-Aug	08:08:00	183.30	75.80	71	28	33.27	-52.10	33.234	8.3%	4.3	0.205	729.816	0.6831	0.6772	0.3386	0.83	0.9917	0.0057	23.71	0.7629	24.79	1.0789	75.3	100.1	1.1E-06	2.11E-06	1.9E-04	0.2781
02-Aug	08:10:00	183.40	75.90	71	28	33.23	-52.07	33.224	8.3%	4.3	0.204	730.499	0.6831	0.6771	0.3385	0.84	0.9916	0.0057	23.68	0.7632	24.75	1.0784	75.3	100.0	1.1E-06	2.11E-06	1.9E-04	0.2783
02-Aug	08:12:00	183.30	75.80	71	28	33.26	-52.03	33.215	8.3%	4.3	0.204	731.182	0.6831	0.6772	0.3386	0.83	0.9917	0.0057	23.64	0.7636	24.72	1.0778	75.3	100.0	1.1E-06	2.11E-06	1.9E-04	0.2785
02-Aug	08:14:00	183.20	75.70	70	28	33.25	-52.00	33.205	8.3%	4.3	0.204	731.865	0.6831	0.6773	0.3387	0.83	0.9917	0.0057	23.60	0.7640	24.68	1.0773	74.2	98.5	1.0E-06	2.08E-06	1.9E-04	0.2787
02-Aug	08:16:00	183.20	75.80	70	28	33.26	-51.97	33.196	8.2%	4.3	0.203	732.548	0.6831	0.6772	0.3386	0.83	0.9917	0.0057	23.56	0.7644	24.64	1.0766	74.2	98.5	1.0E-06	2.08E-06	1.9E-04	0.2789
02-Aug	08:18:00	183.20	75.70	69	28	33.25	-51.93	33.186	8.2%	4.3	0.203	733.231	0.6831	0.6773	0.3387	0.83	0.9917	0.0057	23.52	0.7648	24.60	1.0762	73.2	97.0	1.0E-06	2.05E-06	1.8E-04	0.2791
02-Aug	08:20:00	183.50	75.90	71	28	33.21	-51.90	33.177	8.2%	4.3	0.202	733.914	0.6831	0.6770	0.3385	0.84	0.9916	0.0057	23.49	0.7651	24.57	1.0759	75.3	99.8	1.1E-06	2.11E-06	1.9E-04	0.2793
02-Aug	08:22:00	183.30	75.90	70	28	33.21	-51.87	33.167	8.2%	4.3	0.202	734.597	0.6831	0.6771	0.3385	0.84	0.9916	0.0057	23.46	0.7654	24.53	1.0751	74.2	98.3	1.0E-06	2.08E-06	1.9E-04	0.2794
02-Aug	08:24:00	183.50	75.90	69	28	33.18	-51.83	33.158	8.2%	4.3	0.201	735.280	0.6831	0.6770	0.3385	0.84	0.9916	0.0057	23.42	0.7658	24.49	1.0748	73.2	96.9	1.0E-06	2.04E-06	1.8E-04	0.2796
02-Aug	08:26:00	183.20	75.80	68	27	33.15	-51.80	33.148	8.1%	4.3	0.201	735.963	0.6831	0.6774	0.3387	0.80	0.9920	0.0055	23.35	0.7665	24.46	1.0740	72.1	95.4	1.0E-06	2.02E-06	1.8E-04	0.2798
02-Aug	08:28:00	183.20	75.70	69	29	33.18	-51.77	33.139	8.1%	4.3	0.200	736.646	0.6831	0.6771	0.3386	0.86	0.9914	0.0059	23.36	0.7664	24.42	1.0736	73.2	96.8	1.0E-06	2.04E-06	1.8E-04	0.2800
02-Aug	08:30:00	183.40	75.80	69	28	33.13	-51.73	33.130	8.1%	4.2	0.200	737.329	0.6831	0.6772	0.3386	0.83	0.9917	0.0057	23.30	0.7670	24.38	1.0735	73.2	96.8	1.0E-06	2.04E-06	1.8E-04	0.2802
02-Aug	08:32:00	183.50	75.90	68	28	33.12	-51.70	33.120	8.1%	4.2	0.200	738.012	0.6831	0.6771	0.3385	0.84	0.9916	0.0057	23.27	0.7673	24.34	1.0728	72.1	95.3	1.0E-06	2.01E-06	1.8E-04	0.2804
02-Aug	08:34:00	183.20	75.80	69	27	33.15	-51.67	33.111	8.1%	4.2	0.199	738.695	0.6831	0.6774	0.3387	0.80	0.9920	0.0055	23.20	0.7680	24.31	1.0719	73.2	96.7	1.0E-06	2.04E-06	1.8E-04	0.2805
02-Aug	08:36:00	183.40	74.00	68	29	33.17	-51.63	33.102	8.0%	4.2	0.199	739.379	0.6831	0.6767	0.3383	0.87	0.9913	0.0059	23.21	0.7679	24.27	1.0714	72.1	95.2	1.0E-06	2.01E-06	1.8E-04	0.2807
02-Aug	08:38:00	183.40	75.80	69	28	33.12	-51.60	33.093	8.0%	4.2	0.198	740.062	0.6831	0.6772	0.3386	0.83	0.9917	0.0057	23.15	0.7685	24.23	1.0712	73.2	96.6	1.0E-06	2.04E-06	1.8E-04	0.2809
02-Aug	08:40:00	183.30	75.80	68	28	33.07	-51.57	33.083	8.0%	4.2	0.198	740.745	0.6831	0.6772	0.3386	0.83	0.9917	0.0057	23.12	0.7688	24.20	1.0705	72.1	95.1	1.0E-06	2.01E-06	1.8E-04	0.2811
02-Aug	08:42:00	183.80	75.90	69	29	33.12	-51.53	33.074	8.0%	4.2	0.197	741.428	0.6831	0.6769	0.3384	0.87	0.9913	0.0059	23.11	0.7689	24.16	1.0698	73.2	96.5	1.0E-06	2.04E-06	1.8E-04	0.2813
02-Aug	08:44:00	183.70	75.70	68	28	33.12	-51.50	33.065	8.0%	4.2	0.197	742.111	0.6831	0.6773	0.3387	0.83	0.9917	0.0057	23.04	0.7696	24.12	1.0701	72.1	95.0	1.0E-06	2.01E-06	1.8E-04	0.2814
02-Aug	08:46:00	183.60	75.80	69	28	33.08	-51.47	33.056	7.9%	4.2	0.197	742.794	0.6831	0.6772	0.3386	0.83	0.9917	0.0057	23.00	0.7700	24.09	1.0694	73.2	96.4	1.0E-06	2.03E-06	1.8E-04	0.2816
02-Aug	08:48:00	183.80	75.90	67	28	33.11	-51.43	33.046	7.9%	4.2	0.196	743.477	0.6831	0.6771	0.3385	0.84	0.9916	0.0057	22.97	0.7703	24.05	1.0691	71.0	93.5	9.9E-07	1.97E-06	1.8E-04	0.2818
02-Aug	08:50:00	183.60	76.00	67	27	33.10	-51.40	33.037	7.9%	4.2	0.196	744.160	0.6831	0.6771	0.3386	0.81	0.9919	0.0055	22.92	0.7708	24.01	1.0681	71.0	93.5	9.9E-07	1.97E-06	1.8E-04	0.2820

Northwest Hardwoo
Alder
August 1-4, 1996

Y= 1.0119	Span	601.2	367	371 ppmv	DBFT	Chamber	Cm
Pb= 29.9383 inHg	Zero	0	0	-19 ppmv	11.58	30.06	ft³
Pb= 101.39 kPa							

NDDIP	x	F(x)	A	B	C	D
m	-72.03	43.30	-0.53498	0.00919	-0.00011	0.00000
n	-32.50	33.35	-0.14224	0.00326	-0.00005	
p	-29.30	30.05	-0.02546	0.00056		
q	-16.73	29.73	-0.00696			
r	8.00	29.58				

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
"Date"	"Time"	"Value" Tc F	"Value" Tm F	"Value" VOC ppmv	"Value" RH %	"Value" M lbm	dt (hrs)	Calculated Wood Mass Wm lbm	Calculated Wood Moisture %Bwe %	Wood Water Change dWw g	Wood Water Volume Vw(wood) dscf	Meter Reading cuft dVm ft³	Inlet Meter Volume Wet Vm(wet) wscf	Inlet Meter Volume Dry Vm(std) dscf	Inlet Flowrate Dry Q(std) dscf/min	Inlet Air Moisture Bws(inlet) %	Inlet Air Fraction dry mfg(inlet)	Inlet Water Volume Vw(std) dscf	Inlet Air Moisture BWS(2) %	Inlet Air Dry mfg(2)	Cumulative Chamber Moisture BWS(3) %	New Gases at Chamber Conditions Vt ft³	Cgas(wet) ppmv	Cgas(Dry) ppmv	Mass lbm/min	lbm	lbm/Mdbft	lbm/Mdbft
AVG		361.21	209.01	78.85	25.67	14.53																						
01-Aug	09:14:00	190.43	78.55																									
02-Aug	08:52:00	183.30	76.10	67	27	33.10	-51.37	33.028	7.9%	4.1	0.195	744.843	0.6831	0.6770	0.3385	0.81	0.9919	0.0055	22.89	0.7711	23.97	1.0673	71.0	93.4	9.5E-07	1.97E-06	1.8E-04	0.2821
02-Aug	08:54:00	183.50	75.90	68	28	33.06	-51.33	33.019	7.8%	4.1	0.195	745.526	0.6831	0.6771	0.3385	0.81	0.9916	0.0055	22.86	0.7714	23.94	1.0671	72.1	94.8	1.0E-06	2.00E-06	1.8E-04	0.2823
02-Aug	08:56:00	183.30	75.90	67	27	33.04	-51.30	33.010	7.8%	4.1	0.195	746.209	0.6831	0.6772	0.3386	0.81	0.9919	0.0055	22.80	0.7720	23.90	1.0662	71.0	93.4	9.5E-07	1.97E-06	1.8E-04	0.2825
02-Aug	08:58:00	183.50	75.80	68	28	33.08	-51.27	33.001	7.8%	4.1	0.194	746.892	0.6831	0.6772	0.3386	0.83	0.9917	0.0057	22.78	0.7722	23.86	1.0659	72.1	94.7	1.0E-06	2.00E-06	1.8E-04	0.2827
02-Aug	09:00:00	183.50	75.90	67	27	33.05	-51.23	32.992	7.8%	4.1	0.194	747.575	0.6831	0.6772	0.3386	0.81	0.9919	0.0055	22.73	0.7727	23.82	1.0655	71.0	93.3	9.5E-07	1.97E-06	1.8E-04	0.2829
02-Aug	09:02:00	183.60	76.00	67	28	33.03	-51.20	32.983	7.8%	4.1	0.193	748.258	0.6831	0.6769	0.3384	0.84	0.9916	0.0057	22.72	0.7728	23.79	1.0650	71.0	93.2	9.5E-07	1.97E-06	1.8E-04	0.2830
02-Aug	09:03:00											748.600																
02-Aug	09:04:00	183.60	75.80	66	28	33.05	-51.17	32.974	7.7%	4.1	0.193	748.941	0.6722	0.6764	0.3382	0.83	0.9917	0.0057	22.69	0.7731	23.73	1.0633	70.0	91.9	9.7E-07	1.93E-06	1.7E-04	0.2832
02-Aug	09:06:00	183.60	75.80	67	28	33.06	-51.13	32.965	7.7%	4.1	0.192	749.622	0.6831	0.6755	0.3378	0.83	0.9917	0.0057	22.68	0.7732	23.71	1.0623	71.0	93.1	9.8E-07	1.96E-06	1.8E-04	0.2834
02-Aug	09:08:00	183.90	76.00	67	28	33.02	-51.10	32.956	7.7%	4.1	0.192	750.303	0.6814	0.6752	0.3376	0.84	0.9916	0.0057	22.65	0.7735	23.68	1.0620	71.0	93.1	9.8E-07	1.96E-06	1.8E-04	0.2836
02-Aug	09:10:00	183.80	75.90	67	30	32.61	-51.07	32.947	7.7%	4.1	0.192	750.985	0.6814	0.6754	0.3377	0.84	0.9916	0.0057	22.61	0.7739	23.64	1.0614	71.0	93.0	9.8E-07	1.96E-06	1.8E-04	0.2837
02-Aug	09:12:00	184.10	76.00	66	28	31.73	-51.03	32.938	7.7%	4.1	0.191	751.666	0.6814	0.6752	0.3376	0.84	0.9916	0.0057	22.58	0.7742	23.61	1.0613	70.0	91.6	9.6E-07	1.93E-06	1.7E-04	0.2839
02-Aug	09:14:00	184.40	76.00	66	28	31.75	-51.00	32.929	7.6%	4.0	0.191	752.348	0.6814	0.6752	0.3376	0.84	0.9916	0.0057	22.54	0.7746	23.57	1.0613	71.0	93.0	9.8E-07	1.96E-06	1.7E-04	0.2841
02-Aug	09:16:00	184.40	76.10	67	28	31.76	-50.97	32.920	7.6%	4.0	0.190	753.029	0.6814	0.6751	0.3375	0.84	0.9916	0.0057	22.51	0.7749	23.54	1.0606	71.0	92.9	9.8E-07	1.96E-06	1.7E-04	0.2843
02-Aug	09:18:00	184.60	75.90	66	28	31.75	-50.93	32.911	7.6%	4.0	0.190	753.710	0.6814	0.6754	0.3377	0.84	0.9916	0.0057	22.46	0.7754	23.50	1.0607	70.0	91.5	9.6E-07	1.93E-06	1.7E-04	0.2844
02-Aug	09:20:00	184.90	76.00	65	28	31.76	-50.90	32.902	7.6%	4.0	0.190	754.392	0.6814	0.6752	0.3376	0.84	0.9916	0.0057	22.43	0.7757	23.47	1.0606	68.9	90.1	9.5E-07	1.90E-06	1.7E-04	0.2846
02-Aug	09:22:00	185.10	76.00	66	28	31.74	-50.87	32.894	7.6%	4.0	0.189	755.073	0.6814	0.6752	0.3376	0.84	0.9916	0.0057	22.39	0.7761	23.43	1.0604	70.0	91.4	9.6E-07	1.92E-06	1.7E-04	0.2848
02-Aug	09:24:00	185.30	76.00	67	30	31.66	-50.83	32.885	7.5%	4.0	0.189	755.754	0.6814	0.6748	0.3374	0.90	0.9910	0.0061	22.40	0.7760	23.40	1.0606	71.0	92.7	9.8E-07	1.95E-06	1.7E-04	0.2849
02-Aug	09:26:00	185.60	76.10	66	29	31.67	-50.80	32.876	7.5%	4.0	0.188	756.436	0.6814	0.6749	0.3374	0.87	0.9913	0.0059	22.35	0.7765	23.36	1.0601	70.0	91.3	9.6E-07	1.92E-06	1.7E-04	0.2851
02-Aug	09:28:00	185.70	76.20	66	28	31.68	-50.77	32.867	7.5%	4.0	0.188	757.117	0.6814	0.6751	0.3375	0.84	0.9916	0.0057	22.29	0.7771	23.33	1.0596	70.0	91.3	9.6E-07	1.92E-06	1.7E-04	0.2853
02-Aug	09:30:00	185.90	75.80	66	28	31.67	-50.73	32.858	7.5%	4.0	0.187	757.799	0.6814	0.6755	0.3378	0.83	0.9917	0.0057	22.23	0.7777	23.29	1.0600	70.0	91.2	9.6E-07	1.92E-06	1.7E-04	0.2855
02-Aug	09:32:00	186.00	76.00	66	28	31.67	-50.70	32.850	7.5%	4.0	0.187	758.480	0.6814	0.6752	0.3376	0.84	0.9916	0.0057	22.21	0.7779	23.26	1.0594	70.0	91.2	9.6E-07	1.92E-06	1.7E-04	0.2856
02-Aug	09:34:00	186.00	76.00	66	29	31.68	-50.67	32.841	7.4%	4.0	0.187	759.161	0.6814	0.6750	0.3375	0.87	0.9913	0.0059	22.20	0.7780	23.22	1.0589	70.0	91.1	9.6E-07	1.92E-06	1.7E-04	0.2858
02-Aug	09:36:00	186.00	75.90	65	28	31.68	-50.63	32.832	7.4%	3.9	0.186	759.843	0.6814	0.6754	0.3377	0.84	0.9916	0.0057	22.13	0.7787	23.19	1.0585	68.9	89.7	9.4E-07	1.89E-06	1.7E-04	0.2860
02-Aug	09:38:00	186.40	75.90	66	29	31.63	-50.60	32.823	7.4%	3.9	0.186	760.524	0.6814	0.6752	0.3376	0.87	0.9913	0.0059	22.12	0.7788	23.15	1.0587	70.0	91.1	9.6E-07	1.92E-06	1.7E-04	0.2861
02-Aug	09:40:00	186.50	75.80	67	28	31.65	-50.57	32.815	7.4%	3.9	0.185	761.205	0.6814	0.6755	0.3378	0.83	0.9917	0.0057	22.05	0.7795	23.12	1.0585	71.0	92.4	9.7E-07	1.95E-06	1.7E-04	0.2863
02-Aug	09:42:00	186.50	76.00	67	29	31.64	-50.53	32.806	7.4%	3.9	0.185	761.887	0.6814	0.6750	0.3375	0.87	0.9913	0.0059	22.05	0.7795	23.08	1.0577	71.0	92.4	9.7E-07	1.94E-06	1.7E-04	0.2865
02-Aug	09:44:00	186.60	76.00	66	29	31.61	-50.50	32.798	7.3%	3.9	0.185	762.568	0.6814	0.6750	0.3375	0.87	0.9913	0.0059	22.01	0.7799	23.04	1.0574	70.0	90.9	9.6E-07	1.91E-06	1.7E-04	0.2867
02-Aug	09:46:00	186.80	76.00	66	29	31.62	-50.47	32.789	7.3%	3.9	0.184	763.250	0.6814	0.6750	0.3375	0.87	0.9913	0.0059	21.98	0.7802	23.01	1.0572	70.0	90.9	9.6E-07	1.91E-06	1.7E-04	0.2868
02-Aug	09:48:00	186.90	76.20	66	29	31.59	-50.43	32.780	7.3%	3.9	0.184	763.931	0.6814	0.6747	0.3374	0.87	0.9913	0.0060	21.95	0.7805	22.97	1.0566	70.0	90.9	9.6E-07	1.91E-06	1.7E-04	0.2870
02-Aug	09:50:00	187.00	76.00	68	28	31.60	-50.40	32.772	7.3%	3.9	0.183	764.612	0.6814	0.6750	0.3375	0.87	0.9913	0.0060	21.90	0.7810	22.94	1.0565	72.1	93.6	9.8E-07	1.97E-06	1.8E-04	0.2872
02-Aug	09:52:00	187.20	76.20	67	28	31.60	-50.37	32.763	7.3%	3.9	0.183	765.294	0.6814	0.6749	0.3375	0.84	0.9916	0.0057	21.85	0.7815	22.90	1.0561	71.0	92.1	9.7E-07	1.94E-06	1.7E-04	0.2874
02-Aug	09:54:00	187.20	76.20	67	28	31.62	-50.33	32.755	7.2%	3.9	0.183	765.975	0.6814	0.6749	0.3375	0.84	0.9916	0.0057	21.82	0.7818	22.87	1.0556	71.0	92.1	9.7E-07	1.94E-06	1.7E-04	0.2875
02-Aug	09:56:00	187.30	74.30	67	28	31.56	-50.30	32.746	7.2%	3.9	0.182	766.656	0.6814	0.6748	0.3374	0.85	0.9915	0.0058	21.80	0.7821	22.83	1.0551	71.0	92.1	9.7E-07	1.94E-06	1.7E-04	0.2877
02-Aug	09:58:00	187.30	76.40	67	29	31.56	-50.27	32.738	7.2%	3.9	0.182	767.338	0.6814	0.6744	0.3372	0.88	0.9912	0.0060	21.78	0.7822	22.80	1.0544	71.0	92.0	9.7E-07	1.93E-06	1.7E-04	0.2879
02-Aug	10:00:00	187.40	76.30	67	29	31.57	-50.23	32.729	7.2%	3.9	0.181	768.019	0.6814	0.6746	0.3373	0.88	0.9912	0.0060	21.74	0.7826	22.76	1.0543	71.0	92.0	9.7E-07	1.93E-06	1.7E-04	0.2880
02-Aug	10:02:00	187.60	76.30	66	29	31.58	-50.20	32.721	7.2%	3.8	0.181	768.701	0.6814	0.6746	0.3373	0.88	0.9912	0.0060	21.70	0.7830	22.73	1.0543	70.0	90.6	9.5E-07	1.90E-06	1.7E-04	0.2882
02-Aug	10:04:00	187.60	76.50	66	29	31.58	-50.17	32.712	7.1%	3.8	0.181	769.382	0.6814	0.6745	0.3372	0.85	0.9915	0.0058	21.65	0.7835	22.69	1.0533	70.0	90.5	9.5E-07	1.90E-06	1.7E-04	0.2884
02-Aug	10:06:00	187.70	76.40	68	29	31.56	-50.13	32.704	7.1%	3.8	0.180	770.063	0.6814	0.6744	0.3372	0.88	0.9912	0.0060	21.63	0.7837	22.66	1.0531	72.1	93.2	9.8E-07	1.96E-06	1.8E-04	0.2886
02-Aug	10:08:00	187.70	76.40	67	29	31.60	-50.10	32.695	7.1%	3.8	0.180	770.745	0.6814	0.6744	0.3372	0.88	0.9912	0.0060	21.60	0.7840	22.62	1.0527	71.0	91.8	9.7E-07	1.93E-06	1.7E-04	0.2887
02-Aug	10:10:00	187.70	76.40	67	28	31.55	-50.07	32.687	7.1%	3.8	0.179	771.426	0.6814	0.6746	0.3373	0.85	0.9915	0.0058	21.54	0.7846	22.59	1.0522	71.0	91.8	9.6E-07	1.93E-06	1.7E-04	0.2889
02-Aug	10:12:00	188.10	76.50	67	29	31.55	-50.03	32.679	7.1%	3.8	0.179	772.107	0.6814	0.6743	0.3371	0.88	0.9912	0.0060	21.53	0.7847	22.55	1.0522	71.0	91.7	9.6E-07	1.93E-06	1.7E-04	0.2891
02-Aug	10:14:00	188.20	76.50	67	28	31.59	-50.00	32.670	7.1%	3.8	0.179	772.789	0.6814	0.6745	0.3372	0.85	0.9915	0.0058	21.47	0.7853	22.52	1.0518	71.0	91.7	9.6E-07	1.93E-06	1.7E-04	0.2893
02-Aug	10:16:00	188.20	76.50	67	28	31.64	-49.97	32.662	7.0%	3.8	0.178	773.470	0.6814	0.6745	0.3372	0.85	0.9915	0.0058	21.46	0.7854	22.48	1.0514	71.0	91.6	9.6E-07	1.93E-06	1.7E-04	0.2894
02-Aug	10:18:00	188.30	76.50	68	29	31.59	-49.93	32.654	7.0%	3.8	0.178	774.152	0.6814	0.6743	0.3371	0.88	0.9912	0.0060	21.42	0.7858	22.45	1.0511	72.1	93.0	9.8E-07	1.95E-06	1.7E-04	0.2896
02-Aug	10:20:00	188.40	76.50	68	29	31.56	-49.90	32.645	7.0%	3.8	0.177	774.833	0.6814	0.6743	0.3371	0.88	0.9912	0.0060	21.39	0.7861	22.41	1.0507	72.1	92.9	9.8E-07	1.95E-06	1.7E-04	0.2898
02-Aug	10:22:00	188.50	76.60	67	29	31.53	-49.87	32.637	7.0%	3.7	0.177	775.514	0.6814	0.6741	0.3371	0.89	0.9911	0.0060	21.35	0.7865	22.38	1.0502	71.0	91.5	9.6E-07	1.92E-06	1.7E-04	0.2899
02-Aug	10:24:00	188.70	76.60	68	29	31.52	-49.83	32.629	7.0%	3.7	0.177	776.196	0.6814	0.6742	0.3371	0.89	0.9911	0.0060	21.32	0.7868	22.34	1.0501	72.1	92.8	9.8E-07	1.95E-06	1.7E-04	0.2901
02-Aug	10:26:00	188.70	76.50	67	29	31.53	-49.80	32.621	6.9%	3.7	0.176	776.877	0.6814	0.6743	0.3371	0.88	0.9912	0.0060	21.28	0.7872	22.31	1.0497	71.0	91.4	9.6E-07	1.92E-06	1.7E-04	0.2903
02-Aug	10:28:00	188.70	76.50	67	29	31.53	-49.77	32.612	6.9%	3.7	0.176	777.558	0.6814	0.6743	0.3371	0.88	0.9912	0.0060	21.24	0.7876	22.27	1.0493	71.0	91.4	9.6E-07	1.92E-06	1.7E-04	0.2905
02-Aug	10:30:00	188.70	76.50	67	29	31.53	-49.73	32.604	6.9%	3.7	0.175	778.240	0.6814	0.6743	0.3371	0.88	0.9912	0.0060	21.20	0.7880	22.24	1.0488	71.0	91.4	9.6E-07	1.92E-06	1.7E-04	0.2906
02-Aug	10:32:00	188.50	76.50	68	29	31.55	-49.70	32.596	6.9%	3.7	0.175	778.921	0.6814	0.6741	0.3371	0.88	0.9912	0.0060	21.17	0.7883	22.20	1.0481	72.1	92.7	9.7E-07	1.95E-06	1.7E-04	0.2908
02-Aug	10:34:00	188.80	76.60	68	29	31.54	-49.67	32.588	6.9%	3.7	0.175	779.603	0.6814	0.6742	0.3371	0.89	0.9911	0.0060	21.14	0.7886	22.17	1.0479	72.1	92.6	9.7E-07	1.95E-06	1.7E-04	0.2910
02-Aug	10:36:00	189.10	76.40	68	28	31.54	-49.63	32.580	6.8%	3.7	0.174	780.284	0.6814	0.6744	0.3372	0.86	0.9914	0.0058	21.09	0.7891	22.14	1.0482	72.1	92.6	9.7E-07	1.95E-06	1.7E-04	0.2912
02-Aug	10:38:00	189.10	76.50	68	29	31.55	-49.60	32.572	6.8%	3.7	0.174	780.965	0.6814	0.6743	0.3371	0.88	0.9912	0.0060	21.06	0.7894	22.10	1.0475	72.1	92.6	9.7E-07	1.95E-06	1.7E-04	0.2913
02-Aug	10:40:00	189.10	76.50	67	29	31.49	-49.57	32.563	6.8%	3.7	0.173	781.647	0.6814	0.6743	0.3371	0.88	0.9912	0.0060	21.02	0.7898	22.07	1.0470	71.0	91.2	9.6E-07	1.92E-06	1.7E-04	0.2915
02-Aug	10:42:00	189.00	76.40	68	29	31.46	-49.53	32.555	6.8%	3.7	0.173	782.328	0.6814	0.6744	0.3372	0.88	0.9912	0.0060	20.98	0.7902	22.03	1.0466	72.1	92.5	9.7E-07	1.94E-06	1.7E-04	0.2917
02-Aug	10:44:00	189.10	76.80	68	29	31.45	-49.50	32.547	6.8%	3.7	0.173	783.009	0.6814	0.6739	0.3369	0.89	0.9911	0.0061	20.97	0.7903	21.99	1.0456	72.1	92.4	9.7E-07	1.94E-06	1.7E-04	0.2919
02-Aug	10:46:00	189.10	76.60	68	29	31.42	-49.47	32.539	6.8%	3.7	0.172	783.691	0.6814	0.6741	0.3371	0.89	0.9911	0.0060	20.92	0.7908	21.96	1.0455	72.1	92.4	9.7E-07	1.94E-06	1.7E-04	0.2920
02-Aug	10:48:00	189.10	76.50	67	29	31.44	-49.43	32.531	6.7%	3.6	0.172	784.372	0.6814	0.6743	0.3371	0.88	0.9912	0.0060	20.88	0.7912	21.93	1.0451	71.0	91.0	9.6E-07	1.91E-06	1.7E-04	0.2922
02-Aug	10:50:00	189.10	76.80	68	29	31.49	-49.40	32.523	6.7%	3.6	0.172	785.054	0.6814	0.6739	0.3369	0.89	0.9911	0.0061	20.86	0.7914	21.89	1.0442	72.1	92.3	9.7E-07	1.94E-06	1.7E-04	0.2924
02-Aug	10:52:00	189.30	76.60	68	29	31.49	-49.37	32.515	6.7%	3.6	0.172	785.735	0.6814	0.6741	0.3371	0.89	0.9911	0.0060	20.82	0.7918	21.86	1.0447	72.1	92.3	9.7E-07	1.94E-06	1.7E-04	0.2925
02-Aug	10:54:00	189.40	76.70	68	29	31.44	-49.33	32.507	6.7%	3.6	0.171	786.416	0.6814	0.6740	0.3370	0.89	0.9911	0.0060	20.78	0.7922	21.82	1.0439	72.1	92.2	9.7E-07	1.94E-06	1.7E-04	0.2927
02-Aug	10:56:00	189.50	76.60	67	29	31.50	-49.30	32.499	6.7%	3.6	0.170	787.098	0.6814	0.6741	0.3371	0.89	0.9911	0.0060	20.74	0.7926	21.79	1.0437	71.0	90.8	9.5E-07	1.91E-06	1.7E-04	0.2929
02-Aug	10:58:00	189.80	76.50	67	29	31.47	-49.27	32.491	6.6%	3.6	0.170	787.779	0.6814	0.6743	0.3371	0.88	0.9912	0.0060	20.70	0.7930	21.75	1.0435	71.0	90.8	9.5E-07	1.91E-06	1.7E-04	0.2931
02-Aug	11:00:00	189.60	76.60	68	29	31.45	-49.23	32.483	6.6%	3.6	0.170	788.460	0.6814	0.6742	0.3371	0.89	0.9911	0.0060	20.67	0.7933	21.72	1.0430	72.1	92.1	9.7E-07	1.94E-06	1.7E-04	0.2932
02-Aug	11:02:00	189.60	76.60	68	29	31.38	-49.20	32.475	6.6%	3.6	0.169	789.142	0.6814	0.6741	0.3371	0.89	0.9911	0.0060	20.64	0.7936	21.68	1.0425	72.1	92.1	9.7E-07	1.93E-06	1.7E-04	0.2934
02-Aug	11:04:00	189.70	76.60	68	29	31.41	-49.17	32.467	6.6%	3.6	0.169	789.823	0.6814	0.6741	0.3371	0.89	0.9911	0.0060	20.60	0.7940	21.65	1.0422	72.1	92.0	9.7E-07	1.93E-06	1.7E-04	0.2936
02-Aug	11:06:00	189.80	76.60	69	29	31.45	-49.13	32.460	6.6%	3.6	0.169	790.505	0.6814	0.6742	0.3371	0.89	0.9911	0.0060	20.57	0.7943	21.61	1.0419	73.2	93.3	9.8E-07	1.96E-06	1.8E-04	0.2938
02-Aug	11:08:00	189.90	76.60	67	28	31.46	-49.10	32.452	6.6%	3.6	0.168	791.186	0.6814	0.6741	0.3372	0.86	0.9914	0.0058	20.51	0.7949	21.58	1.0416	71.0	90.6	9.5E-07	1.90E-06	1.7E-04	0.2939
02-Aug	11:10:00	189.80	76.60	68	29	31.43	-49.07	32.444	6.5%	3.6	0.168	791.867	0.6814	0.6742	0.3371	0.89	0.9911	0.0060	20.49	0.7951	21.54	1.0410	72.1	91.9	9.7E-07	1.93E-06	1.7E-04	0.2941
02-Aug	11:12:00	190.10	76.80	67	29	31.38	-49.03	32.436	6.5%	3.5	0.167	792.549	0.6814	0.6738	0.3369	0.89	0.9911	0.0061	20.47	0.7953	21.50	1.0407	71.0	90.5	9.5E-07	1.90E-06	1.7E-04	0.2943
02-Aug	11:14:00	189.80	76.30	69	28	31.38	-49.00	32.428	6.5%	3.5	0.167	793.230	0.6814	0.6741	0.3370	0.86	0.9914	0.0059	20.41	0.7959	21.47	1.0397	73.2	93.2	9.8E-07	1.96E-06	1.8E-04	0.2944
02-Aug	11:16:00	189.90	76.60	68	28	31.40	-48.97	32.420	6.5%	3.5	0.167	793.911	0.6814	0.6744	0.3372	0.86	0.9914	0.0058	20.36	0.7964	21.43	1.0397	72.1	91.8	9.6E-07	1.93E-06	1.7E-04	0.2946
02-Aug	11:18:00	189.90	76.80	67	28	31.37	-48.93	32.413	6.5%	3.5	0.166	794.593	0.6814	0.6741	0.3370	0.86	0.9914	0.0059	20.34	0.7966	21.40	1.0389	71.0	90.4	9.5E-07	1.90E-06	1.7E-04	0.2948
02-Aug	11:20:00	189.80	76.80	68	29	31.35	-48.90	32.405	6.4%	3.5	0.166	795.274	0.6814	0.6738	0.3369	0.89	0.9911	0.0061	20.33	0.7967	21.36	1.0383	72.1	91.7	9.6E-07	1.93E-06	1.7E-04	0.2950
02-Aug	11:22:00	190.10	76.80	68	29	31.38	-48.87	32.397	6.4%	3.5	0.165	795.956	0.6814	0.6739	0.3369	0.89	0.9911	0.0061	20.29	0.7971	21.33	1.0384	72.1	91.6	9.6E-07	1.93E-06	1.7E-04	0.2951
02-Aug	11:24:00	190.30	76.70	68	29	31.38	-48.83	32.389	6.4%	3.5	0.165	796.637	0.6814	0.6740	0.3370	0.89	0.9911	0.0060	20.25	0.7975	21.29	1.0384	72.1	91.6	9.6E-07	1.92E-06	1.7E-04	0.2953
02-Aug	11:26:00	190.20	76.90	69	29	31.34	-48.80	32.382	6.4%	3.5	0.165	797.318	0.6814	0.6737	0.3369	0.90	0.9910	0.0061	20.23	0.7977	21.26	1.0376	73.2	92.9	9.8E-07	1.95E-06	1.7E-04	0.2955
02-Aug	11:28:00	190.30	77.00	68	28	31.37	-48.77	32.374	6.4%	3.5	0.164	798.000	0.6814	0.6738	0.3369	0.87	0.9913	0.0059	20.17	0.7983	21.23	1.0370	72.1	91.5	9.6E-07	1.92E-06	1.7E-04	0.2956
02-Aug	11:30:00	190.30	77.00	69	28	31.35	-48.73	32.366	6.4%	3.5	0.164	798.681	0.6814	0.6738	0.3369	0.87	0.9913	0.0059	20.14	0.7986	21.19	1.0365	73.2	92.8	9.7E-07	1.95E-06	1.7E-04	0.2958
02-Aug	11:31:00											799.022																
02-Aug	11:32:00	190.40	77.10	68	28	31.32	-48.70	32.359	6.3%	3.5	0.164	799.362	0.6814	0.6736	0.3368	0.87	0.9913	0.0059	20.11	0.7989	21.15	1.0361	72.1	91.4	9.6E-07	1.92E-06	1.7E-04	0.2960
02-Aug	11:34:00	190.30	77.10	70	28	31.33	-48.67	32.351	6.3%	3.5	0.163	800.044	0.6814	0.6736	0.3368	0.87	0.9913	0.0059	20.07	0.7993	21.12	1.0354	74.2	94.1	9.9E-07	1.98E-06	1.8E-04	0.2962
02-Aug	11:36:00	190.40	77.20	68	28	31.30	-48.63	32.344	6.3%	3.5	0.163	800.725	0.6814	0.6735	0.3367	0.87	0.9913	0.0059	20.04	0.7996	21.08	1.0350	72.1	91.4	9.6E-07	1.92E-06	1.7E-04	0.2963
02-Aug	11:38:00	190.30	77.40	68	28	31.29	-48.60	32.336	6.3%	3.4	0.162	801.407	0.6814	0.6732	0.3366	0.88	0.9912	0.0060	20.02	0.7998	21.05	1.0341	72.1	91.3	9.6E-07	1.92E-06	1.7E-04	0.2965
02-Aug	11:40:00	190.30	77.30	67	28	31.32	-48.57	32.328	6.3%	3.4	0.162	802.088	0.6814	0.6733	0.3367	0.88	0.9912	0.0059	19.98	0.8002	21.02	1.0338	71.0	89.9	9.4E-07	1.89E-06	1.7E-04	0.2967
02-Aug	11:42:00	190.60	77.20	67	28	31.31	-48.53	32.321	6.3%	3.4	0.162	802.769	0.6814	0.6733	0.3367	0.87	0.9913	0.0059	19.93	0.8007	20.98	1.0340	71.0	89.9	9.4E-07	1.89E-06	1.7E-04	0.2968
02-Aug	11:44:00	190.50	77.30	68	28	31.35	-48.50	32.313	6.2%	3.4	0.161	803.451	0.6814	0.6733	0.3367	0.88	0.9912	0.0059	19.90	0.8010	20.95	1.0332	72.1	91.2	9.6E-07	1.91E-06	1.7E-04	0.2970
02-Aug	11:46:00	190.70	77.50	68	28	31.36	-48.47	32.306	6.2%	3.4	0.161	804.132	0.6814	0.6730	0.3365	0.88	0.9912	0.0060	19.88	0.8012	20.91	1.0327	72.1	91.2	9.6E-07	1.91E-06	1.7E-04	0.2972
02-Aug	11:48:00	190.60	77.50	68	28	31.32	-48.43	32.298	6.2%	3.4	0.161	804.813	0.6814	0.6731	0.3365	0.88	0.9912	0.0060	19.85	0.8015	20.88	1.0321	72.1	91.1	9.6E-07	1.91E-06	1.7E-04	0.2974
02-Aug	11:50:00	190.60	77.50	68	28	31.35	-48.40	32.291	6.2%	3.4	0.160	805.495	0.6814	0.6730	0.3365	0.88	0.9912	0.0060	19.81	0.8019	20.84	1.0317	72.1	91.1	9.6E-07	1.91E-06	1.7E-04	0.2975
02-Aug	11:52:00	190.60	77.50	68	27	31.33	-48.37	32.283	6.2%	3.4	0.160	806.176	0.6814	0.6733	0.3366	0.85	0.9915	0.0058	19.75	0.8025	20.81	1.0312	72.1	91.0	9.6E-07	1.91E-06	1.7E-04	0.2977
02-Aug	11:54:00	190.70	77.60	67	28	31.29	-48.33	32.276	6.2%	3.4	0.160	806.858	0.6814	0.6729	0.3365	0.88	0.9912	0.0060	19.75	0.8025	20.77	1.0308	71.0	89.7	9.4E-07	1.88E-06	1.7E-04	0.2979
02-Aug	11:56:00	190.90	77.50	68	28	31.32	-48.30	32.268	6.1%	3.4	0.159	807.539	0.6814	0.6730	0.3365	0.88	0.9912	0.0060	19.70	0.8030	20.74	1.0308	72.1	91.0	9.5E-07	1.91E-06	1.7E-04	0.2980
02-Aug	11:58:00	190.90	77.70	68	26	31.28	-48.27	32.261	6.1%	3.4	0.159	808.220	0.6814	0.6732	0.3366	0.82	0.9918	0.0056	19.63	0.8037	20.71	1.0300	72.1	90.9	9.5E-07	1.91E-06	1.7E-04	0.2982
02-Aug	12:00:00	191.00	78.00	67	27	31.26	-48.23	32.254	6.1%	3.4	0.158	808.901	0.6814	0.6725	0.3363	0.86	0.9914	0.0059	19.63	0.8037	20.67	1.0293	71.0	89.6	9.4E-07	1.88E-06	1.7E-04	0.2984
02-Aug	12:02:00	191.10	78.00	67	27	31.23	-48.20	32.246	6.1%	3.4	0.158	809.583	0.6814	0.6725	0.3363	0.86	0.9914	0.0059	19.60	0.8040	20.64	1.0290	71.0	89.5	9.4E-07	1.88E-06	1.7E-04	0.2985
02-Aug	12:04:00	190.90	78.20	66	27	31.20	-48.17	32.239	6.1%	3.3	0.158	810.264	0.6814	0.6722	0.3361	0.87	0.9913	0.0059	19.58	0.8042	20.60	1.0279	70.0	88.1	9.2E-07	1.85E-06	1.7E-04	0.2987
02-Aug	12:06:00	191.10	78.00	69	26	31.22	-48.13	32.231	6.0%	3.3	0.157	810.946	0.6814	0.6728	0.3364	0.83	0.9917	0.0056	19.50	0.8050	20.57	1.0281	73.2	92.1	9.7E-07	1.93E-06	1.7E-04	0.2989
02-Aug	12:08:00	191.20	78.20	68	27	31.21	-48.10	32.224	6.0%	3.3	0.157	811.627	0.6814	0.6723	0.3361	0.87	0.9913	0.0059	19.51	0.8049	20.53	1.0275	72.1	90.7	9.5E-07	1.90E-06	1.7E-04	0.2991
02-Aug	12:09:00																											
02-Aug	12:10:00	191.00	78.20	67	26	31.25	-48.07	32.217	6.0%	3.3	0.157	812.309	0.6814	0.6724	0.3362	0.84	0.9916	0.0057	19.44	0.8056	20.50	1.0267	71.0	89.4	9.4E-07	1.87E-06	1.7E-04	0.2992
02-Aug	12:12:00	191.10	78.10	68	27	31.26	-48.03	32.209	6.0%	3.3	0.156	812.990	0.6814	0.6724	0.3362	0.87	0.9913	0.0059	19.43	0.8057	20.46	1.0266	72.1	90.7	9.5E-07	1.90E-06	1.7E-04	0.2994
02-Aug	12:14:00	191.40	78.00	69	27	31.25	-48.00	32.202	6.0%	3.3	0.156	813.671	0.6814	0.6723	0.3363	0.86	0.9914	0.0059	19.39	0.8061	20.43	1.0268	73.2	91.9	9.6E-07	1.93E-06	1.7E-04	0.2996
02-Aug	12:16:00	191.40	78.20	68	27	31.21	-47.97	32.195	6.0%	3.3	0.156	814.353	0.6814	0.6721	0.3361	0.87	0.9913	0.0059	19.37	0.8063	20.39	1.0260	72.1	90.6	9.5E-07	1.90E-06	1.7E-04	0.2997
02-Aug	12:18:00	191.40	78.20	68	27	31.24	-47.93	32.188	5.9%	3.3	0.155	815.034	0.6814	0.6722	0.3361	0.87	0.9913	0.0059	19.33	0.8067	20.36	1.0256	72.1	90.5	9.5E-07	1.90E-06	1.7E-04	0.2999
02-Aug	12:20:00	191.40	78.30	68	27	31.19	-47.90	32.180	5.9%	3.3	0.155	815.715	0.6814	0.6721	0.3361	0.87	0.9913	0.0059	19.30	0.8070	20.33	1.0250	72.1	90.5	9.5E-07	1.90E-06	1.7E-04	0.3001
02-Aug	12:22:00	191.30	78.30	67	27	31.21	-47.87	32.173	5.9%	3.3	0.154	816.397	0.6814	0.6718	0.3359	0.88	0.9912	0.0060	19.28	0.8072	20.29	1.0241	71.0	89.1	9.3E-07	1.87E-06	1.7E-04	0.3002
02-Aug	12:24:00	191.50	78.50	68	27	31.19	-47.83	32.166	5.9%	3.3	0.154	817.078	0.6814	0.6718	0.3359	0.88	0.9912	0.0060	19.24	0.8076	20.26	1.0239	72.1	90.4	9.5E-07	1.89E-06	1.7E-04	0.3004
02-Aug	12:26:00	191.60	78.60	68	27	31.21	-47.80	32.159	5.9%	3.3	0.154	817.760	0.6814	0.6717	0.3358	0.88	0.9912	0.0060	19.21	0.8079	20.23	1.0235	72.1	90.4	9.5E-07	1.89E-06	1.7E-04	0.3006
02-Aug	12:28:00	191.50	78.50	68	27	31.22	-47.77	32.152	5.9%	3.3	0.153	818.441	0.6814	0.6718	0.3359	0.88	0.9912	0.0060	19.17	0.8083	20.19	1.0231	72.1	90.3	9.5E-07	1.89E-06	1.7E-04	0.3008
02-Aug	12:30:00	191.70	78.70	68	27	31.18	-47.73	32.144	5.9%	3.2	0.153	819.122	0.6814	0.6715	0.3358	0.88	0.9912	0.0060	19.15	0.8085	20.16	1.0226	72.1	90.3	9.5E-07	1.89E-06	1.7E-04	0.3009
02-Aug	12:32:00	191.70	78.60	68	27	31.19	-47.70	32.137	5.8%	3.2	0.153	819.804	0.6814	0.6717	0.3358	0.88	0.9912	0.0060	19.11	0.8089	20.13	1.0224	72.1	90.3	9.4E-07	1.89E-06	1.7E-04	0.3011
02-Aug	12:34:00	191.70	78.70	66	26	31.17	-47.67	32.130	5.8%	3.2	0.152	820.485	0.6814	0.6718	0.3359	0.85	0.9915	0.0058	19.05	0.8095	20.09	1.0218	70.0	87.6	9.2E-07	1.83E-06	1.6E-04	0.3013
02-Aug	12:36:00	191.60	78.70	67	26	31.13	-47.63	32.123	5.8%	3.2	0.152	821.166	0.6814	0.6717	0.3359	0.85	0.9915	0.0058	19.02	0.8098	20.06	1.0212	71.0	88.9	9.3E-07	1.86E-06	1.7E-04	0.3014
02-Aug	12:38:00	191.70	78.90	67	27	31.16	-47.60	32.116	5.8%	3.2	0.152	821.848	0.6814	0.6712	0.3356	0.89	0.9911	0.0060	19.02	0.8098	20.02	1.0206	71.0	88.8	9.3E-07	1.86E-06	1.7E-04	0.3016
02-Aug	12:40:00	191.80	78.90	67	26	31.18	-47.57	32.109	5.8%	3.2	0.151	822.529	0.6814	0.6715	0.3357	0.86	0.9914	0.0058	18.96	0.8104	19.99	1.0203	71.0	88.8	9.3E-07	1.86E-06	1.7E-04	0.3018
02-Aug	12:42:00	191.80	79.00	67	25	31.17	-47.53	32.102	5.8%	3.2	0.151	823.211	0.6814	0.6715	0.3358	0.83	0.9917	0.0056	18.90	0.8110	19.96	1.0197	71.0	88.8	9.3E-07	1.86E-06	1.7E-04	0.3019
02-Aug	12:44:00	192.10	78.90	67	26	31.15	-47.50	32.095	5.7%	3.2	0.151	823.892	0.6814	0.6715	0.3357	0.86	0.9914	0.0058	18.89	0.8111	19.92	1.0199	71.0	88.7	9.3E-07	1.86E-06	1.7E-04	0.3021
02-Aug	12:46:00	192.00	79.00	67	26	31.13	-47.47	32.088	5.7%	3.2	0.150	824.573	0.6814	0.6713	0.3357	0.86	0.9914	0.0058	18.86	0.8114	19.89	1.0192	71.0	88.7	9.3E-07	1.86E-06	1.7E-04	0.3023
02-Aug	12:48:00	192.30	79.20	67	26	31.13	-47.43	32.081	5.7%	3.2	0.150	825.255	0.6814	0.6710	0.3355	0.87	0.9913	0.0059	18.84	0.8116	19.86	1.0189	71.0	88.6	9.3E-07	1.85E-06	1.7E-04	0.3024
02-Aug	12:50:00	192.10	79.10	68	26	31.10	-47.40	32.074	5.7%	3.2	0.150	825.936	0.6814	0.6712	0.3356	0.86	0.9914	0.0058	18.80	0.8120	19.82	1.0183	72.1	89.9	9.4E-07	1.88E-06	1.7E-04	0.3026
02-Aug	12:52:00	192.30	79.20	67	26	31.06	-47.37	32.067	5.7%	3.2	0.149	826.617	0.6814	0.6710	0.3355	0.87	0.9913	0.0059	18.77	0.8123	19.79	1.0181	71.0	88.6	9.3E-07	1.85E-06	1.7E-04	0.3028
02-Aug	12:54:00	192.00	79.30	67	25	31.09	-47.33	32.060	5.7%	3.2	0.149	827.299	0.6814	0.6713	0.3356	0.83	0.9917	0.0056	18.73	0.8129	19.75	1.0172	71.0	88.5	9.3E-07	1.85E-06	1.7E-04	0.3029
02-Aug	12:56:00	192.10	79.20	67	25	31.13	-47.30	32.053	5.6%	3.1	0.148	827.980	0.6814	0.6712	0.3356	0.83	0.9917	0.0056	18.67	0.8133	19.72	1.0168	71.0	88.5	9.3E-07	1.85E-06	1.7E-04	0.3031
02-Aug	12:58:00	192.10	79.30	66	26	31.18	-47.27	32.046	5.6%	3.1	0.148	828.662	0.6814	0.6709	0.3354	0.87	0.9913	0.0059	18.67	0.8133	19.69	1.0163	70.0	87.1	9.1E-07	1.82E-06	1.6E-04	0.3032
02-Aug	13:00:00	192.10	79.30	67	27	31.12	-47.23	32.039	5.6%	3.1	0.148	829.341	0.6814	0.6707	0.3353	0.90	0.9910	0.0061	18.66	0.8134	19.65	1.0162	71.0	88.4	9.2E-07	1.85E-06	1.7E-04	0.3034
02-Aug	13:02:00	192.30	79.50	67	26	31.13	-47.20	32.032	5.6%	3.1	0.147	830.024	0.6814	0.6706	0.3353	0.87	0.9913	0.0059	18.61	0.8139	19.62	1.0154	71.0	88.4	9.2E-07	1.85E-06	1.7E-04	0.3036
02-Aug	13:04:00	192.30	79.20	68	26	31.13	-47.17	32.025	5.6%	3.1	0.147	830.706	0.6814	0.6710	0.3355	0.87	0.9913	0.0059	18.56	0.8144	19.59	1.0155	72.1	89.7	9.4E-07	1.88E-06	1.7E-04	0.3037
02-Aug	13:06:00	192.30	79.20	67	25	31.10	-47.13	32.018	5.6%	3.1	0.147	831.387	0.6814	0.6713	0.3356	0.83	0.9917	0.0056	18.50	0.8150	19.55	1.0151	71.0	88.3	9.2E-07	1.85E-06	1.7E-04	0.3039
02-Aug	13:08:00	192.50	79.50	67	25	31.10	-47.10	32.012	5.5%	3.1	0.146	832.068	0.6814	0.6708	0.3354	0.84	0.9916	0.0057	18.48	0.8152	19.52	1.0144	71.0	88.3	9.2E-07	1.85E-06	1.7E-04	0.3041
02-Aug	13:10:00	192.50	79.60	67	25	31.11	-47.07	32.005	5.5%	3.1	0.146	832.750	0.6814	0.6707	0.3353	0.84	0.9916	0.0057	18.45	0.8155	19.49	1.0139	71.0	88.2	9.2E-07	1.84E-06	1.6E-04	0.3042
02-Aug	13:12:00	192.40	79.50	66	25	31.11	-47.03	31.998	5.5%	3.1	0.146	833.431	0.6814	0.6708	0.3354	0.84	0.9916	0.0057	18.41	0.8159	19.45	1.0135	70.0	86.9	9.1E-07	1.82E-06	1.6E-04	0.3044
02-Aug	13:14:00	192.40	79.60	66	26	31.10	-47.00	31.991	5.5%	3.1	0.145	834.113	0.6814	0.6704	0.3352	0.88	0.9912	0.0059	18.41	0.8159	19.42	1.0129	70.0	86.8	9.1E-07	1.81E-06	1.6E-04	0.3046
02-Aug	13:16:00	192.50	79.60	67	25	31.09	-46.97	31.984	5.5%	3.1	0.145	834.794	0.6814	0.6707	0.3353	0.84	0.9916	0.0057	18.35	0.8165	19.39	1.0126	71.0	88.1	9.2E-07	1.84E-06	1.6E-04	0.3047
02-Aug	13:18:00	192.70	79.60	66	26	31.10	-46.93	31.978	5.5%	3.1	0.145	835.475	0.6814	0.6705	0.3352	0.88	0.9912	0.0059	18.34	0.8166	19.35	1.0121	70.0	86.8	9.1E-07	1.81E-06	1.6E-04	0.3049
02-Aug	13:20:00	192.50	79.70	66	26	31.09	-46.90	31.971	5.5%	3.1	0.144	836.157	0.6814	0.6703	0.3352	0.88	0.9912	0.0060	18.32	0.8168	19.32	1.0116	70.0	86.7	9.1E-07	1.81E-06	1.6E-04	0.3051
02-Aug	13:22:00	192.80	79.70	66	25	31.07	-46.87	31.964	5.4%	3.1	0.144	836.838	0.6814	0.6705	0.3353	0.85	0.9915	0.0057	18.25	0.8175	19.29	1.0116	70.0	86.7	9.1E-07	1.81E-06	1.6E-04	0.3052
02-Aug	13:24:00	193.00	79.70	66	26	31.10	-46.83	31.957	5.4%	3.0	0.144	837.519	0.6814	0.6703	0.3352	0.88	0.9912	0.0060	18.25	0.8175	19.25	1.0116	70.0	86.7	9.1E-07	1.81E-06	1.6E-04	0.3054
02-Aug	13:26:00	193.80	79.80	67	26	31.12	-46.80	31.951	5.4%	3.0	0.143	838.201	0.6814	0.6702	0.3351	0.88	0.9912	0.0060	18.22	0.8178	19.22	1.0107	71.0	87.9	9.2E-07	1.84E-06	1.6E-04	0.3055
02-Aug	13:28:00	193.00	79.90	66	26	31.14	-46.77	31.944	5.4%	3.0	0.143	838.882	0.6814	0.6700	0.3350	0.89	0.9911	0.0060	18.19	0.8181	19.19	1.0104	70.0	86.6	9.0E-07	1.81E-06	1.6E-04	0.3057
02-Aug	13:30:00	192.70	79.50	67	26	31.11	-46.73	31.937	5.4%	3.0	0.143	839.564	0.6814	0.6702	0.3351	0.88	0.9912	0.0060	18.15	0.8185	19.16	1.0099	71.0	87.9	9.2E-07	1.84E-06	1.6E-04	0.3059
02-Aug	13:32:00	192.80	79.80	68	26	31.13	-46.70	31.931	5.4%	3.0	0.142	840.245	0.6814	0.6702	0.3351	0.88	0.9912	0.0060	18.12	0.8188	19.12	1.0094	72.1	89.1	9.3E-07	1.86E-06	1.7E-04	0.3060
02-Aug	13:34:00	193.00	80.00	67	27	31.10	-46.67	31.924	5.3%	3.0	0.142	840.926	0.6814	0.6696	0.3348	0.92	0.9908	0.0062	18.12	0.8188	19.09	1.0090	71.0	87.8	9.2E-07	1.83E-06	1.6E-04	0.3062
02-Aug	13:36:00	192.90	80.00	65	26	31.10	-46.63	31.917	5.3%	3.0	0.142	841.608	0.6814	0.6699	0.3349	0.89	0.9911	0.0060	18.06	0.8194	19.06	1.0085	68.9	85.1	8.9E-07	1.78E-06	1.6E-04	0.3064
02-Aug	13:38:00	193.10	80.00	65	26	31.12	-46.60	31.911	5.3%	3.0	0.141	842.289	0.6814	0.6699	0.3349	0.89	0.9911	0.0060	18.03	0.8197	19.03	1.0084	68.9	85.1	8.9E-07	1.78E-06	1.6E-04	0.3065
02-Aug	13:40:00	193.20	79.90	66	25	31.10	-46.57	31.904	5.3%	3.0	0.141	842.970	0.6814	0.6700	0.3350	0.89	0.9911	0.0060	17.99	0.8201	18.99	1.0082	70.0	86.4	9.0E-07	1.80E-06	1.6E-04	0.3067
02-Aug	13:42:00	193.10	80.00	66	27	31.07	-46.53	31.898	5.3%	3.0	0.141	843.652	0.6814	0.6697	0.3348	0.92	0.9908	0.0062	17.99	0.8201	18.96	1.0075	70.0	86.4	9.0E-07	1.80E-06	1.6E-04	0.3068
02-Aug	13:44:00	193.30	79.90	66	28	31.10	-46.50	31.891	5.3%	3.0	0.140	844.333	0.6814	0.6696	0.3348	0.95	0.9905	0.0064	17.98	0.8202	18.93	1.0076	70.0	86.3	9.0E-07	1.80E-06	1.6E-04	0.3070
02-Aug	13:46:00	193.30	79.90	64	29	31.12	-46.47	31.885	5.3%	3.0	0.140	845.015	0.6814	0.6693	0.3347	0.99	0.9901	0.0067	17.97	0.8203	18.90	1.0072	67.9	83.7	8.7E-07	1.75E-06	1.6E-04	0.3072
02-Aug	13:48:00	193.50	79.90	64	28	31.09	-46.43	31.878	5.2%	3.0	0.140	845.696	0.6814	0.6695	0.3348	0.95	0.9905	0.0064	17.91	0.8209	18.87	1.0070	67.9	83.6	8.7E-07	1.75E-06	1.6E-04	0.3073
02-Aug	13:50:00	193.50	79.90	65	28	31.09	-46.40	31.871	5.2%	3.0	0.139	846.377	0.6814	0.6696	0.3348	0.95	0.9905	0.0064	17.88	0.8212	18.84	1.0066	68.9	84.9	8.9E-07	1.77E-06	1.6E-04	0.3075
02-Aug	13:52:00	191.60	79.80	65	27	31.10	-46.37	31.865	5.2%	2.9	0.139	847.059	0.6814	0.6699	0.3350	0.92	0.9908	0.0062	17.81	0.8219	18.81	1.0065	68.9	84.9	8.9E-07	1.77E-06	1.6E-04	0.3076
02-Aug	13:54:00	191.60	79.90	66	29	31.11	-46.33	31.859	5.2%	2.9	0.139	847.740	0.6814	0.6691	0.3347	0.99	0.9901	0.0067	17.84	0.8216	18.77	1.0059	70.0	86.2	9.0E-07	1.80E-06	1.6E-04	0.3078
02-Aug	13:56:00	193.80	80.00	66	30	31.10	-46.30	31.852	5.2%	2.9	0.138	848.421	0.6814	0.6690	0.3345	1.03	0.9897	0.0069	17.84	0.8216	18.74	1.0057	70.0	86.1	9.0E-07	1.80E-06	1.6E-04	0.3080

Northwest Hardwoo
Alder
August 1-4, 1996

Y=	1.0119		
Pb=	29.9983 inHg		
Pb=	101.59 kPa		
Span	601.2	567	571 ppmv
Zero	0	0	-19 ppmv

DBFT	Chamber	Cm
11.18	6	ft³

NDDIP	x	f(x)	A	B	C	D
m	-72.01	43.80	-0.51498	0.00919	-0.00011	0.00000
n	-52.50	33.33	-0.14224	0.00326	-0.00005	
p	-29.30	30.01	-0.02546	0.000056		
q	-16.73	29.71	-0.00896			
r	0.00	29.58				

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
"Date"	"Time"	"Value" Tc F	"Value" Tm F	"Value" VOC ppmv	"Value" RH %	"Value" M lbm	dt (hrs)	Calculated Wood Mass Wm lbm	Calculated Wood Moisture %Bwc %	Wood Water Change dWw g	Wood Water Volume Vw(wood) dscf	Meter Reading cuft dVm ft³	Inlet Meter Volume Wet Vm(wet) wscf	Inlet Meter Volume Dry Vm(std) dscf	Inlet Flowrate Dry Q(std) dscf/min	Inlet Air Moisture Bws(inlet) %	Inlet Air Fraction dry mfg(inlet)	Inlet Water Volume Vw(std) dscf	Inlet Air Moisture BWS(2) %	Inlet Air Dry mfg(2)	Cumulative Chamber Moisture BWS(3) %	New Gases at Chamber Conditions Vi ft³	Cgas(wet) ppmv	Cgas(Dry) ppmv	Mass lbm/min	lbm	lbm/Mdbft	lbm/Mdbft
AVG		361.21	299.01	74.15	25.67	14.53																						
01-Aug	09:14:00	190.43	78.55																									
02-Aug	13:58:00	193.90	79.90	65	28	31.09	-46.27	31.846	5.2%	2.9	0.138	849.103	0.6814	0.6696	0.3348	0.95	0.9905	0.0064	17.74	0.8226	18.71	1.0056	68.9	84.8	8.6E-07	1.77E-06	1.6E-04	0.3081
02-Aug	14:00:00	193.90	79.90	64	30	31.06	-46.23	31.839	5.2%	2.9	0.138	849.784	0.6814	0.6691	0.3345	1.02	0.9898	0.0069	17.77	0.8223	18.68	1.0052	67.9	83.5	8.7E-07	1.74E-06	1.6E-04	0.3083
02-Aug	14:02:00	193.90	79.90	65	30	31.07	-46.20	31.833	5.1%	2.9	0.137	850.466	0.6814	0.6691	0.3346	1.02	0.9898	0.0069	17.73	0.8227	18.65	1.0048	68.9	84.7	8.8E-07	1.77E-06	1.6E-04	0.3084
02-Aug	14:04:00	193.90	79.80	65	30	31.06	-46.17	31.826	5.1%	2.9	0.137	851.147	0.6814	0.6693	0.3346	1.02	0.9898	0.0069	17.69	0.8231	18.62	1.0046	68.9	84.7	8.8E-07	1.77E-06	1.6E-04	0.3086
02-Aug	14:06:00	194.20	79.60	65	29	31.08	-46.13	31.820	5.1%	2.9	0.137	851.828	0.6814	0.6695	0.3347	0.98	0.9902	0.0067	17.63	0.8237	18.59	1.0046	68.9	84.7	8.8E-07	1.77E-06	1.6E-04	0.3087
02-Aug	14:08:00	194.20	79.60	65	29	31.06	-46.10	31.814	5.1%	2.9	0.136	852.510	0.6814	0.6695	0.3347	0.98	0.9902	0.0067	17.60	0.8240	18.56	1.0042	68.9	84.6	8.8E-07	1.77E-06	1.6E-04	0.3089
02-Aug	14:10:00	194.30	79.80	64	29	31.00	-46.07	31.807	5.1%	2.9	0.136	853.191	0.6814	0.6695	0.3347	0.98	0.9902	0.0067	17.57	0.8243	18.53	1.0040	67.9	83.3	8.7E-07	1.74E-06	1.6E-04	0.3091
02-Aug	14:12:00	194.30	79.70	65	32	30.98	-46.03	31.801	5.1%	2.9	0.136	853.872	0.6814	0.6689	0.3345	1.08	0.9892	0.0073	17.61	0.8239	18.50	1.0037	68.9	84.6	8.8E-07	1.76E-06	1.6E-04	0.3092
02-Aug	14:14:00	194.40	79.70	64	30	30.95	-46.00	31.795	5.1%	2.9	0.135	854.554	0.6814	0.6694	0.3347	1.02	0.9898	0.0069	17.52	0.8248	18.47	1.0035	67.9	83.2	8.7E-07	1.74E-06	1.6E-04	0.3094
02-Aug	14:16:00	194.20	79.70	64	30	30.95	-45.97	31.788	5.0%	2.9	0.135	855.235	0.6814	0.6694	0.3347	1.02	0.9898	0.0069	17.49	0.8251	18.44	1.0028	67.9	83.2	8.7E-07	1.74E-06	1.6E-04	0.3095
02-Aug	14:18:00	194.40	79.70	64	30	30.96	-45.93	31.782	5.0%	2.9	0.135	855.917	0.6814	0.6694	0.3347	1.02	0.9898	0.0069	17.46	0.8254	18.41	1.0027	67.9	83.2	8.7E-07	1.74E-06	1.6E-04	0.3097
02-Aug	14:20:00	194.50	79.70	65	30	30.95	-45.90	31.776	5.0%	2.8	0.134	856.598	0.6814	0.6694	0.3347	1.02	0.9898	0.0069	17.42	0.8258	18.38	1.0024	68.9	84.4	8.8E-07	1.76E-06	1.6E-04	0.3098
02-Aug	14:22:00	194.70	79.60	64	30	30.90	-45.87	31.769	5.0%	2.8	0.134	857.279	0.6814	0.6696	0.3348	1.01	0.9899	0.0068	17.39	0.8261	18.35	1.0025	67.9	83.1	8.7E-07	1.73E-06	1.6E-04	0.3100
02-Aug	14:24:00	194.80	79.70	64	31	30.86	-45.83	31.763	5.0%	2.8	0.134	857.961	0.6814	0.6692	0.3346	1.05	0.9895	0.0071	17.39	0.8261	18.32	1.0021	67.9	83.1	8.7E-07	1.73E-06	1.6E-04	0.3101
02-Aug	14:26:00	194.70	79.70	64	31	30.90	-45.80	31.757	5.0%	2.8	0.133	858.642	0.6814	0.6691	0.3346	1.05	0.9895	0.0071	17.35	0.8265	18.29	1.0015	67.9	83.0	8.7E-07	1.73E-06	1.5E-04	0.3103
02-Aug	14:28:00	194.80	79.50	64	30	30.88	-45.77	31.751	5.0%	2.8	0.133	859.323	0.6814	0.6697	0.3348	1.01	0.9899	0.0068	17.28	0.8272	18.26	1.0016	67.9	83.0	8.7E-07	1.73E-06	1.6E-04	0.3105
02-Aug	14:30:00	194.50	79.40	64	31	30.88	-45.73	31.744	4.9%	2.8	0.133	860.005	0.6814	0.6696	0.3348	1.04	0.9896	0.0070	17.27	0.8273	18.23	1.0009	67.9	83.0	8.7E-07	1.73E-06	1.5E-04	0.3106
02-Aug	14:32:00	194.50	79.50	63	31	30.87	-45.70	31.738	4.9%	2.8	0.132	860.686	0.6814	0.6694	0.3347	1.04	0.9896	0.0071	17.24	0.8276	18.19	1.0003	66.8	81.7	8.5E-07	1.70E-06	1.5E-04	0.3108
02-Aug	14:34:00	194.70	79.20	63	31	30.87	-45.67	31.732	4.9%	2.8	0.132	861.368	0.6814	0.6699	0.3350	1.03	0.9897	0.0070	17.20	0.8280	18.16	1.0007	66.8	81.6	8.5E-07	1.70E-06	1.5E-04	0.3109
02-Aug	14:36:00	194.80	79.40	62	31	30.89	-45.63	31.726	4.9%	2.8	0.132	862.049	0.6814	0.6696	0.3348	1.04	0.9896	0.0070	17.17	0.8283	18.13	1.0002	65.7	80.3	8.4E-07	1.68E-06	1.5E-04	0.3111
02-Aug	14:38:00	194.70	79.40	61	32	30.87	-45.60	31.720	4.9%	2.8	0.131	862.730	0.6814	0.6694	0.3347	1.07	0.9893	0.0073	17.17	0.8283	18.10	0.9996	64.7	79.0	8.2E-07	1.65E-06	1.5E-04	0.3112
02-Aug	14:40:00	194.60	79.50	64	31	30.89	-45.57	31.714	4.9%	2.8	0.131	863.412	0.6814	0.6695	0.3347	1.04	0.9896	0.0071	17.11	0.8289	18.07	0.9989	67.9	82.8	8.6E-07	1.73E-06	1.5E-04	0.3114
02-Aug	14:42:00	194.90	79.30	64	31	30.89	-45.53	31.708	4.9%	2.8	0.131	864.093	0.6814	0.6698	0.3349	1.04	0.9896	0.0070	17.07	0.8293	18.04	0.9993	67.9	82.8	8.6E-07	1.73E-06	1.5E-04	0.3115
02-Aug	14:44:00	194.90	79.30	64	31	30.91	-45.50	31.701	4.8%	2.8	0.131	864.774	0.6814	0.6697	0.3349	1.04	0.9896	0.0070	17.04	0.8296	18.01	0.9988	67.9	82.8	8.6E-07	1.73E-06	1.5E-04	0.3117
02-Aug	14:46:00	194.90	79.30	63	31	30.91	-45.47	31.695	4.8%	2.8	0.130	865.456	0.6814	0.6698	0.3349	1.04	0.9896	0.0070	17.00	0.8300	17.98	0.9985	66.8	81.4	8.5E-07	1.70E-06	1.5E-04	0.3118
02-Aug	14:48:00	194.80	79.30	62	30	30.87	-45.43	31.689	4.8%	2.8	0.130	866.137	0.6814	0.6700	0.3350	1.00	0.9900	0.0068	16.94	0.8306	17.95	0.9979	65.7	80.1	8.4E-07	1.67E-06	1.5E-04	0.3120
02-Aug	14:50:00	194.90	79.30	62	30	30.89	-45.40	31.683	4.8%	2.7	0.130	866.819	0.6814	0.6700	0.3350	1.00	0.9900	0.0068	16.91	0.8309	17.92	0.9977	65.7	80.1	8.4E-07	1.67E-06	1.5E-04	0.3121
02-Aug	14:52:00	194.90	79.20	62	31	30.90	-45.37	31.677	4.8%	2.7	0.129	867.500	0.6814	0.6699	0.3349	1.03	0.9897	0.0070	16.90	0.8310	17.88	0.9974	65.7	80.1	8.4E-07	1.67E-06	1.5E-04	0.3123
02-Aug	14:54:00	195.00	79.20	63	31	30.94	-45.33	31.671	4.8%	2.7	0.129	868.181	0.6814	0.6699	0.3350	1.03	0.9897	0.0070	16.87	0.8313	17.85	0.9972	66.8	81.3	8.5E-07	1.70E-06	1.5E-04	0.3124
02-Aug	14:56:00	195.00	79.20	62	31	30.94	-45.30	31.665	4.8%	2.7	0.129	868.863	0.6814	0.6699	0.3350	1.03	0.9897	0.0070	16.84	0.8316	17.82	0.9968	65.7	80.0	8.4E-07	1.67E-06	1.5E-04	0.3126
02-Aug	14:58:00	195.00	79.00	63	31	30.96	-45.27	31.659	4.7%	2.7	0.128	869.544	0.6814	0.6702	0.3351	1.03	0.9897	0.0069	16.79	0.8321	17.79	0.9967	66.8	81.3	8.5E-07	1.70E-06	1.5E-04	0.3127
02-Aug	15:00:00	195.00	79.10	62	30	30.98	-45.23	31.653	4.7%	2.7	0.128	870.225	0.6814	0.6703	0.3351	1.00	0.9900	0.0068	16.74	0.8326	17.76	0.9962	65.7	79.9	8.4E-07	1.67E-06	1.5E-04	0.3129
02-Aug	15:02:00	195.30	79.10	62	30	30.97	-45.20	31.647	4.7%	2.7	0.128	870.907	0.6814	0.6703	0.3351	1.00	0.9900	0.0067	16.71	0.8329	17.72	0.9963	65.7	79.9	8.3E-07	1.67E-06	1.5E-04	0.3130
02-Aug	15:04:00	195.00	79.10	61	30	30.95	-45.17	31.641	4.7%	2.7	0.127	871.588	0.6814	0.6703	0.3351	1.00	0.9900	0.0067	16.67	0.8333	17.69	0.9954	64.7	78.6	8.2E-07	1.64E-06	1.5E-04	0.3132
02-Aug	15:06:00	195.30	79.10	61	30	30.93	-45.13	31.635	4.7%	2.7	0.127	872.270	0.6814	0.6703	0.3351	1.00	0.9900	0.0067	16.64	0.8336	17.66	0.9955	64.7	78.5	8.2E-07	1.64E-06	1.5E-04	0.3133
02-Aug	15:08:00	194.90	79.20	61	30	30.95	-45.10	31.629	4.7%	2.7	0.127	872.951	0.6814	0.6701	0.3351	1.00	0.9900	0.0068	16.61	0.8339	17.63	0.9944	64.7	78.5	8.2E-07	1.64E-06	1.5E-04	0.3135
02-Aug	15:10:00	195.00	79.10	61	30	30.90	-45.07	31.623	4.7%	2.7	0.126	873.632	0.6814	0.6703	0.3351	1.00	0.9900	0.0067	16.58	0.8342	17.59	0.9943	64.7	78.5	8.2E-07	1.64E-06	1.5E-04	0.3136
02-Aug	15:12:00	194.90	79.20	61	30	30.90	-45.03	31.618	4.6%	2.7	0.126	874.314	0.6814	0.6701	0.3351	1.00	0.9900	0.0068	16.55	0.8345	17.56	0.9936	64.7	78.5	8.2E-07	1.64E-06	1.5E-04	0.3138
02-Aug	15:14:00	195.00	79.20	61	30	30.91	-45.00	31.612	4.6%	2.7	0.126	874.995	0.6814	0.6701	0.3351	1.00	0.9900	0.0068	16.52	0.8348	17.53	0.9934	64.7	78.4	8.2E-07	1.64E-06	1.5E-04	0.3139
02-Aug	15:16:00	195.00	79.20	61	30	30.86	-44.97	31.606	4.6%	2.7	0.125	875.676	0.6814	0.6701	0.3351	1.00	0.9900	0.0068	16.49	0.8352	17.50	0.9930	64.7	78.4	8.2E-07	1.64E-06	1.5E-04	0.3141
02-Aug	15:18:00	194.90	79.10	60	29	30.87	-44.93	31.600	4.6%	2.7	0.125	876.358	0.6814	0.6703	0.3352	0.96	0.9904	0.0065	16.42	0.8358	17.46	0.9926	63.6	77.1	8.1E-07	1.61E-06	1.4E-04	0.3142
02-Aug	15:20:00	194.90	79.10	61	29	30.90	-44.90	31.594	4.6%	2.6	0.125	877.039	0.6814	0.6705	0.3353	0.96	0.9904	0.0065	16.39	0.8361	17.43	0.9922	64.7	78.3	8.2E-07	1.64E-06	1.5E-04	0.3143
02-Aug	15:22:00	195.00	79.20	62	29	30.90	-44.87	31.588	4.6%	2.6	0.125	877.721	0.6814	0.6704	0.3352	0.97	0.9903	0.0065	16.36	0.8364	17.40	0.9919	65.7	79.6	8.3E-07	1.66E-06	1.5E-04	0.3145
02-Aug	15:24:00	194.90	79.30	63	29	30.86	-44.83	31.582	4.6%	2.6	0.124	878.402	0.6814	0.6702	0.3351	0.97	0.9903	0.0066	16.33	0.8367	17.36	0.9911	66.8	80.8	8.4E-07	1.69E-06	1.5E-04	0.3146
02-Aug	15:26:00	195.20	79.30	62	29	30.83	-44.80	31.577	4.6%	2.6	0.124	879.083	0.6814	0.6702	0.3351	0.97	0.9903	0.0066	16.30	0.8370	17.33	0.9912	65.7	79.5	8.3E-07	1.66E-06	1.5E-04	0.3148
02-Aug	15:28:00	195.00	79.20	61	29	30.83	-44.77	31.571	4.5%	2.6	0.124	879.765	0.6814	0.6704	0.3352	0.97	0.9903	0.0065	16.27	0.8373	17.30	0.9907	64.7	78.2	8.2E-07	1.63E-06	1.5E-04	0.3149
02-Aug	15:30:00	195.00	79.20	60	29	30.82	-44.73	31.565	4.5%	2.6	0.123	880.446	0.6814	0.6703	0.3352	0.97	0.9903	0.0065	16.23	0.8377	17.27	0.9903	63.6	76.9	8.0E-07	1.61E-06	1.4E-04	0.3151
02-Aug	15:32:00	195.30	79.20	60	29	30.80	-44.70	31.559	4.5%	2.6	0.123	881.127	0.6814	0.6704	0.3352	0.97	0.9903	0.0065	16.20	0.8380	17.23	0.9904	63.6	76.9	8.0E-07	1.61E-06	1.4E-04	0.3152
02-Aug	15:34:00	195.10	79.20	60	29	30.83	-44.67	31.554	4.5%	2.6	0.123	881.809	0.6814	0.6704	0.3352	0.97	0.9903	0.0065	16.17	0.8383	17.20	0.9897	63.6	76.8	8.0E-07	1.61E-06	1.4E-04	0.3154
02-Aug	15:36:00	195.10	79.30	61	29	30.82	-44.63	31.548	4.5%	2.6	0.122	882.490	0.6814	0.6702	0.3351	0.97	0.9903	0.0066	16.14	0.8385	17.17	0.9892	64.7	78.1	8.2E-07	1.63E-06	1.5E-04	0.3155
02-Aug	15:38:00	195.40	79.20	60	30	30.84	-44.60	31.542	4.5%	2.6	0.122	883.172	0.6814	0.6701	0.3351	1.00	0.9900	0.0066	16.13	0.8387	17.13	0.9894	63.6	76.8	8.0E-07	1.60E-06	1.4E-04	0.3157
02-Aug	15:40:00	195.50	79.10	58	30	30.85	-44.57	31.536	4.5%	2.6	0.122	883.853	0.6814	0.6703	0.3351	1.00	0.9900	0.0067	16.10	0.8390	17.10	0.9894	61.5	74.2	7.9E-07	1.55E-06	1.4E-04	0.3158
02-Aug	15:42:00	195.50	79.00	58	30	30.86	-44.53	31.531	4.5%	2.6	0.122	884.534	0.6814	0.6704	0.3352	0.99	0.9901	0.0067	16.06	0.8394	17.07	0.9891	61.5	74.2	7.7E-07	1.55E-06	1.4E-04	0.3159
02-Aug	15:43:00											884.876																
02-Aug	15:44:00	195.60	79.00	59	30	30.84	-44.50	31.525	4.4%	2.6	0.121	885.211	0.6767	0.6658	0.3329	0.99	0.9901	0.0067	16.12	0.8388	17.04	0.9892	62.6	75.4	7.8E-07	1.57E-06	1.4E-04	0.3161
02-Aug	15:46:00	195.60	79.10	59	30	30.84	-44.47	31.519	4.4%	2.6	0.121	885.883	0.6720	0.6611	0.3305	1.00	0.9900	0.0066	16.18	0.8382	17.00	0.9767	62.6	75.4	7.8E-07	1.55E-06	1.4E-04	0.3162
02-Aug	15:48:00	195.70	79.20	59	30	30.81	-44.43	31.514	4.4%	2.6	0.121	886.555	0.6720	0.6609	0.3305	1.00	0.9900	0.0067	16.15	0.8385	16.98	0.9763	62.6	75.4	7.8E-07	1.55E-06	1.4E-04	0.3164
02-Aug	15:50:00	195.40	79.10	61	31	30.83	-44.40	31.508	4.4%	2.6	0.120	887.227	0.6720	0.6608	0.3304	1.03	0.9897	0.0069	16.14	0.8386	16.96	0.9758	64.7	77.9	8.0E-07	1.60E-06	1.4E-04	0.3165
02-Aug	15:52:00	195.50	79.10	61	31	30.84	-44.37	31.503	4.4%	2.5	0.120	887.899	0.6720	0.6608	0.3304	1.03	0.9897	0.0069	16.11	0.8389	16.93	0.9756	64.7	77.9	8.0E-07	1.60E-06	1.4E-04	0.3166
02-Aug	15:54:00	195.50	79.00	58	31	30.86	-44.33	31.497	4.4%	2.5	0.120	888.571	0.6720	0.6610	0.3305	1.03	0.9897	0.0069	16.08	0.8392	16.91	0.9754	61.5	74.0	7.5E-07	1.52E-06	1.4E-04	0.3168
02-Aug	15:56:00	195.50	78.90	57	31	30.83	-44.30	31.491	4.4%	2.5	0.119	889.243	0.6720	0.6613	0.3307	0.99	0.9901	0.0066	16.01	0.8399	16.88	0.9751	60.4	72.7	7.5E-07	1.50E-06	1.4E-04	0.3169
02-Aug	15:58:00	195.40	78.80	57	30	30.84	-44.27	31.486	4.3%	2.5	0.119	889.915	0.6720	0.6615	0.3307	0.99	0.9901	0.0066	15.97	0.8403	16.85	0.9748	60.4	72.7	7.5E-07	1.50E-06	1.3E-04	0.3170
02-Aug	16:00:00	195.40	78.80	58	31	30.83	-44.23	31.480	4.3%	2.5	0.119	890.587	0.6720	0.6613	0.3306	1.02	0.9898	0.0068	15.97	0.8403	16.82	0.9743	61.5	73.9	7.6E-07	1.52E-06	1.4E-04	0.3172
02-Aug	16:02:00	195.40	78.70	59	31	30.83	-44.20	31.475	4.3%	2.5	0.119	891.259	0.6720	0.6614	0.3307	1.02	0.9898	0.0068	15.93	0.8407	16.80	0.9742	62.6	75.2	7.8E-07	1.55E-06	1.4E-04	0.3173
02-Aug	16:04:00	195.40	78.70	59	31	30.83	-44.17	31.469	4.3%	2.5	0.119	891.931	0.6720	0.6614	0.3307	1.02	0.9898	0.0068	15.90	0.8410	16.77	0.9739	62.6	75.2	7.7E-07	1.55E-06	1.4E-04	0.3175
02-Aug	16:06:00	195.40	78.70	60	31	30.84	-44.13	31.464	4.3%	2.5	0.118	892.603	0.6720	0.6614	0.3307	1.02	0.9898	0.0068	15.87	0.8413	16.74	0.9735	63.6	76.4	7.9E-07	1.58E-06	1.4E-04	0.3176
02-Aug	16:08:00	195.50	78.60	60	31	30.83	-44.10	31.458	4.3%	2.5	0.118	893.275	0.6720	0.6615	0.3308	1.01	0.9899	0.0067	15.83	0.8417	16.72	0.9731	63.6	76.4	7.9E-07	1.58E-06	1.4E-04	0.3177
02-Aug	16:10:00	195.40	78.40	57	31	30.84	-44.07	31.453	4.3%	2.5	0.117	893.947	0.6720	0.6619	0.3309	1.01	0.9899	0.0067	15.79	0.8421	16.69	0.9732	60.4	72.5	7.5E-07	1.50E-06	1.3E-04	0.3179
02-Aug	16:12:00	195.20	78.40	57	31	30.83	-44.03	31.447	4.3%	2.5	0.117	894.619	0.6720	0.6619	0.3309	1.01	0.9899	0.0067	15.76	0.8424	16.66	0.9726	60.4	72.5	7.5E-07	1.50E-06	1.3E-04	0.3180
02-Aug	16:14:00	195.00	78.50	57	31	30.84	-44.00	31.442	4.2%	2.5	0.117	895.291	0.6720	0.6617	0.3308	1.01	0.9899	0.0067	15.73	0.8427	16.63	0.9717	60.4	72.5	7.5E-07	1.50E-06	1.3E-04	0.3181
02-Aug	16:16:00	195.20	78.40	58	31	30.84	-43.97	31.436	4.2%	2.5	0.117	895.963	0.6720	0.6619	0.3309	1.01	0.9899	0.0067	15.70	0.8430	16.60	0.9718	61.5	73.7	7.6E-07	1.52E-06	1.4E-04	0.3183
02-Aug	16:18:00	195.20	78.40	58	31	30.83	-43.93	31.431	4.2%	2.5	0.117	896.635	0.6720	0.6619	0.3309	1.01	0.9899	0.0067	15.67	0.8433	16.58	0.9711	61.5	73.7	7.6E-07	1.52E-06	1.4E-04	0.3184
02-Aug	16:20:00	195.20	78.20	59	31	30.80	-43.90	31.425	4.2%	2.5	0.116	897.307	0.6720	0.6622	0.3311	1.01	0.9899	0.0067	15.62	0.8438	16.55	0.9714	62.6	75.0	7.7E-07	1.55E-06	1.4E-04	0.3186
02-Aug	16:22:00	195.00	78.40	58	31	30.80	-43.87	31.420	4.2%	2.5	0.116	897.979	0.6720	0.6618	0.3309	1.01	0.9899	0.0067	15.60	0.8440	16.52	0.9704	61.5	73.7	7.6E-07	1.52E-06	1.4E-04	0.3187
02-Aug	16:24:00	195.00	78.50	57	31	30.81	-43.83	31.415	4.2%	2.4	0.115	898.651	0.6720	0.6617	0.3308	1.01	0.9899	0.0067	15.58	0.8442	16.49	0.9699	60.4	72.4	7.5E-07	1.49E-06	1.3E-04	0.3188
02-Aug	16:26:00	194.90	78.40	57	31	30.82	-43.80	31.409	4.2%	2.4	0.115	899.323	0.6720	0.6619	0.3309	1.01	0.9899	0.0067	15.54	0.8446	16.46	0.9696	60.4	72.3	7.5E-07	1.49E-06	1.3E-04	0.3190
02-Aug	16:28:00	195.00	78.50	57	31	30.81	-43.77	31.404	4.2%	2.4	0.114	899.995	0.6720	0.6617	0.3308	1.01	0.9899	0.0067	15.51	0.8449	16.43	0.9692	60.4	72.3	7.5E-07	1.49E-06	1.3E-04	0.3191
02-Aug	16:30:00	195.00	78.50	57	31	30.77	-43.73	31.399	4.1%	2.4	0.114	900.667	0.6720	0.6617	0.3308	1.01	0.9899	0.0067	15.48	0.8452	16.40	0.9689	60.4	72.3	7.5E-07	1.49E-06	1.3E-04	0.3192
02-Aug	16:32:00	195.00	78.30	56	31	30.79	-43.70	31.393	4.1%	2.4	0.114	901.339	0.6720	0.6619	0.3309	1.01	0.9899	0.0067	15.45	0.8455	16.37	0.9685	59.4	71.0	7.3E-07	1.46E-06	1.3E-04	0.3194
02-Aug	16:34:00	195.10	78.50	58	30	30.77	-43.67	31.388	4.1%	2.4	0.114	902.011	0.6720	0.6619	0.3310	0.98	0.9902	0.0065	15.39	0.8461	16.35	0.9683	61.5	73.5	7.6E-07	1.52E-06	1.4E-04	0.3195
02-Aug	16:36:00	195.10	78.70	55	30	30.74	-43.63	31.383	4.1%	2.4	0.113	902.683	0.6720	0.6614	0.3307	0.98	0.9902	0.0065	15.37	0.8463	16.32	0.9676	58.3	69.7	7.2E-07	1.44E-06	1.3E-04	0.3196
02-Aug	16:38:00	195.00	78.60	55	30	30.70	-43.60	31.377	4.1%	2.4	0.113	903.355	0.6720	0.6618	0.3309	0.98	0.9902	0.0065	15.34	0.8466	16.29	0.9673	58.3	69.7	7.2E-07	1.44E-06	1.3E-04	0.3197
02-Aug	16:40:00	194.70	78.60	55	31	30.68	-43.57	31.372	4.1%	2.4	0.113	904.027	0.6720	0.6615	0.3308	1.01	0.9899	0.0068	15.33	0.8467	16.26	0.9665	58.3	69.6	7.2E-07	1.44E-06	1.3E-04	0.3199
02-Aug	16:42:00	194.90	78.60	55	31	30.66	-43.53	31.367	4.1%	2.4	0.113	904.699	0.6720	0.6616	0.3308	1.01	0.9899	0.0068	15.30	0.8470	16.23	0.9664	58.3	69.6	7.2E-07	1.44E-06	1.3E-04	0.3200
02-Aug	16:44:00	194.90	78.20	56	31	30.67	-43.50	31.361	4.1%	2.4	0.112	905.371	0.6720	0.6614	0.3307	1.02	0.9898	0.0068	15.28	0.8472	16.20	0.9659	59.4	70.9	7.3E-07	1.46E-06	1.3E-04	0.3201
02-Aug	16:46:00	195.00	78.70	56	32	30.64	-43.47	31.356	4.1%	2.4	0.112	906.043	0.6720	0.6612	0.3306	1.05	0.9895	0.0070	15.27	0.8473	16.17	0.9657	59.4	70.8	7.3E-07	1.46E-06	1.3E-04	0.3203
02-Aug	16:48:00	195.10	78.90	55	31	30.63	-43.43	31.351	4.0%	2.4	0.112	906.715	0.6720	0.6611	0.3306	1.02	0.9898	0.0068	15.22	0.8478	16.14	0.9652	58.3	69.5	7.2E-07	1.43E-06	1.3E-04	0.3204
02-Aug	16:50:00	195.40	78.90	55	30	30.64	-43.40	31.346	4.0%	2.4	0.112	907.387	0.6720	0.6614	0.3307	0.99	0.9901	0.0066	15.16	0.8484	16.11	0.9653	58.3	69.5	7.2E-07	1.43E-06	1.3E-04	0.3205
02-Aug	16:52:00	195.30	78.90	56	30	30.61	-43.37	31.341	4.0%	2.4	0.111	908.059	0.6720	0.6614	0.3307	0.99	0.9901	0.0066	15.13	0.8487	16.08	0.9648	59.4	70.8	7.3E-07	1.46E-06	1.3E-04	0.3207
02-Aug	16:54:00	195.20	79.00	54	30	30.60	-43.33	31.335	4.0%	2.4	0.111	908.731	0.6720	0.6612	0.3306	0.99	0.9901	0.0066	15.11	0.8489	16.06	0.9641	57.3	68.2	7.0E-07	1.41E-06	1.3E-04	0.3208
02-Aug	16:56:00	195.40	79.10	54	30	30.61	-43.30	31.330	4.0%	2.3	0.111	909.403	0.6720	0.6613	0.3305	1.00	0.9900	0.0066	15.08	0.8492	16.03	0.9639	57.3	68.2	7.0E-07	1.41E-06	1.3E-04	0.3209
02-Aug	16:58:00	195.40	79.00	54	30	30.61	-43.27	31.325	4.0%	2.3	0.110	910.075	0.6720	0.6612	0.3306	0.99	0.9901	0.0066	15.05	0.8495	16.00	0.9638	57.3	68.2	7.0E-07	1.40E-06	1.3E-04	0.3210
02-Aug	17:00:00	195.40	79.10	54	29	30.60	-43.23	31.320	4.0%	2.3	0.110	910.747	0.6720	0.6613	0.3306	0.96	0.9904	0.0064	14.99	0.8501	15.97	0.9632	57.3	68.1	7.0E-07	1.40E-06	1.3E-04	0.3212
02-Aug	17:02:00	195.40	79.20	54	30	30.58	-43.20	31.315	4.0%	2.3	0.110	911.419	0.6720	0.6608	0.3304	1.00	0.9900	0.0067	15.00	0.8500	15.94	0.9626	57.3	68.1	7.0E-07	1.40E-06	1.3E-04	0.3213
02-Aug	17:04:00	195.30	79.20	54	29	30.63	-43.17	31.310	3.9%	2.3	0.110	912.091	0.6720	0.6611	0.3306	0.97	0.9903	0.0064	14.94	0.8506	15.91	0.9626	57.3	68.1	7.0E-07	1.40E-06	1.3E-04	0.3214
02-Aug	17:06:00	195.40	79.10	55	30	30.61	-43.13	31.305	3.9%	2.3	0.109	912.763	0.6720	0.6607	0.3304	1.00	0.9900	0.0067	14.94	0.8506	15.88	0.9619	58.3	69.3	7.1E-07	1.43E-06	1.3E-04	0.3215
02-Aug	17:08:00	195.30	79.30	54	30	30.61	-43.10	31.299	3.9%	2.3	0.109	913.435	0.6720	0.6608	0.3304	1.00	0.9900	0.0067	14.91	0.8509	15.85	0.9617	57.3	68.0	7.0E-07	1.40E-06	1.3E-04	0.3217
02-Aug	17:10:00	195.40	79.20	53	29	30.60	-43.07	31.294	3.9%	2.3	0.109	914.107	0.6720	0.6611	0.3306	0.97	0.9903	0.0064	14.84	0.8516	15.82	0.9614	56.2	66.8	6.9E-07	1.38E-06	1.2E-04	0.3218
02-Aug	17:12:00	195.50	79.10	53	29	30.60	-43.03	31.289	3.9%	2.3	0.109	914.779	0.6720	0.6613	0.3306	0.96	0.9904	0.0064	14.81	0.8519	15.79	0.9613	56.2	66.7	6.9E-07	1.38E-06	1.2E-04	0.3219
02-Aug	17:14:00	195.60	79.10	54	29	30.61	-43.00	31.284	3.9%	2.3	0.108	915.451	0.6720	0.6613	0.3306	0.96	0.9904	0.0064	14.78	0.8522	15.76	0.9611	57.3	68.0	7.0E-07	1.40E-06	1.3E-04	0.3220
02-Aug	17:16:00	195.40	79.10	54	29	30.62	-42.97	31.279	3.9%	2.3	0.108	916.123	0.6720	0.6613	0.3306	0.96	0.9904	0.0064	14.75	0.8525	15.73	0.9605	57.3	67.9	7.0E-07	1.40E-06	1.3E-04	0.3222
02-Aug	17:18:00	195.50	79.00	55	29	30.57	-42.93	31.274	3.9%	2.3	0.108	916.795	0.6720	0.6614	0.3307	0.96	0.9904	0.0064	14.71	0.8529	15.70	0.9604	58.3	69.2	7.1E-07	1.43E-06	1.3E-04	0.3223
02-Aug	17:20:00	195.70	79.10	55	29	30.59	-42.90	31.269	3.9%	2.3	0.107	917.467	0.6720	0.6613	0.3306	0.96	0.9904	0.0064	14.69	0.8531	15.67	0.9602	58.3	69.2	7.1E-07	1.43E-06	1.3E-04	0.3224
02-Aug	17:22:00	195.80	79.30	56	29	30.61	-42.87	31.264	3.8%	2.3	0.107	918.139	0.6720	0.6610	0.3305	0.97	0.9903	0.0065	14.67	0.8533	15.64	0.9597	59.4	70.4	7.3E-07	1.45E-06	1.3E-04	0.3225
02-Aug	17:24:00	195.80	79.10	54	29	30.60	-42.83	31.259	3.8%	2.3	0.107	918.811	0.6720	0.6613	0.3306	0.96	0.9904	0.0064	14.63	0.8537	15.61	0.9597	57.3	67.8	7.0E-07	1.40E-06	1.3E-04	0.3227
02-Aug	17:26:00	195.60	79.20	54	29	30.61	-42.80	31.254	3.8%	2.3	0.107	919.483	0.6720	0.6611	0.3306	0.97	0.9903	0.0064	14.60	0.8540	15.58	0.9589	57.3	67.8	7.0E-07	1.40E-06	1.3E-04	0.3228
02-Aug	17:28:00	196.00	79.20	54	29	30.62	-42.77	31.249	3.8%	2.3	0.106	920.155	0.6720	0.6611	0.3306	0.97	0.9903	0.0064	14.57	0.8543	15.55	0.9592	57.3	67.8	7.0E-07	1.40E-06	1.2E-04	0.3229
02-Aug	17:30:00	195.70	79.20	51	29	30.61	-42.73	31.244	3.8%	2.2	0.106	920.827	0.6720	0.6611	0.3306	0.97	0.9903	0.0064	14.54	0.8546	15.52	0.9584	54.1	64.0	6.6E-07	1.32E-06	1.2E-04	0.3230
02-Aug	17:32:00	196.00	79.20	52	26	30.65	-42.70	31.239	3.8%	2.2	0.106	921.499	0.6720	0.6618	0.3309	0.87	0.9913	0.0058	14.41	0.8558	15.49	0.9584	55.1	65.2	6.7E-07	1.35E-06	1.2E-04	0.3232
02-Aug	17:34:00	195.90	79.20	50	28	30.63	-42.67	31.234	3.8%	2.2	0.105	922.171	0.6720	0.6614	0.3307	0.93	0.9907	0.0062	14.43	0.8555	15.45	0.9580	53.0	62.7	6.5E-07	1.29E-06	1.2E-04	0.3233
02-Aug	17:36:00	195.70	79.00	53	28	30.67	-42.63	31.229	3.8%	2.2	0.105	922.843	0.6720	0.6617	0.3308	0.93	0.9907	0.0062	14.41	0.8559	15.42	0.9577	56.2	66.4	6.9E-07	1.37E-06	1.2E-04	0.3234
02-Aug	17:38:00	195.50	78.90	53	28	30.65	-42.60	31.224	3.8%	2.2	0.105	923.515	0.6720	0.6618	0.3309	0.92	0.9908	0.0062	14.38	0.8562	15.39	0.9572	56.2	66.4	6.9E-07	1.37E-06	1.2E-04	0.3235
02-Aug	17:40:00	195.70	78.90	53	25	30.69	-42.57	31.220	3.7%	2.2	0.105	924.187	0.6720	0.6625	0.3312	0.82	0.9918	0.0055	14.26	0.8574	15.36	0.9572	56.2	66.4	6.9E-07	1.37E-06	1.2E-04	0.3236
02-Aug	17:42:00	195.70	78.90	53	25	30.68	-42.53	31.215	3.7%	2.2	0.104	924.859	0.6720	0.6625	0.3312	0.82	0.9918	0.0055	14.23	0.8577	15.33	0.9568	56.2	66.4	6.9E-07	1.37E-06	1.2E-04	0.3238
02-Aug	17:44:00	195.50	78.80	51	27	30.71	-42.50	31.210	3.7%	2.2	0.104	925.531	0.6720	0.6621	0.3311	0.89	0.9911	0.0059	14.25	0.8575	15.29	0.9563	54.1	63.8	6.6E-07	1.32E-06	1.2E-04	0.3239
02-Aug	17:46:00	195.70	78.80	53	27	30.68	-42.47	31.205	3.7%	2.2	0.104	926.203	0.6720	0.6622	0.3311	0.89	0.9911	0.0059	14.22	0.8578	15.26	0.9563	56.2	66.3	6.8E-07	1.37E-06	1.2E-04	0.3240
02-Aug	17:48:00	195.90	78.70	52	26	30.72	-42.43	31.200	3.7%	2.2	0.104	926.875	0.6720	0.6625	0.3313	0.85	0.9915	0.0057	14.16	0.8584	15.23	0.9564	55.1	65.0	6.7E-07	1.34E-06	1.2E-04	0.3241
02-Aug	17:50:00	195.70	78.70	51	27	30.69	-42.40	31.195	3.7%	2.2	0.103	927.547	0.6720	0.6623	0.3311	0.88	0.9912	0.0059	14.16	0.8584	15.20	0.9558	54.1	63.8	6.6E-07	1.32E-06	1.2E-04	0.3242
02-Aug	17:52:00	195.70	78.70	53	25	30.69	-42.37	31.190	3.7%	2.2	0.103	928.219	0.6720	0.6627	0.3314	0.82	0.9918	0.0055	14.07	0.8593	15.16	0.9554	56.2	66.2	6.8E-07	1.37E-06	1.2E-04	0.3244
02-Aug	17:54:00	195.70	78.70	52	24	30.68	-42.33	31.186	3.7%	2.2	0.103	928.891	0.6720	0.6630	0.3315	0.79	0.9921	0.0053	14.01	0.8599	15.13	0.9551	55.1	65.0	6.7E-07	1.34E-06	1.2E-04	0.3245
02-Aug	17:56:00	195.90	78.70	53	27	30.69	-42.30	31.181	3.7%	2.2	0.103	929.563	0.6720	0.6623	0.3312	0.88	0.9912	0.0059	14.07	0.8593	15.10	0.9551	56.2	66.2	6.8E-07	1.37E-06	1.2E-04	0.3246
02-Aug	17:58:00	195.80	78.70	52	29	30.69	-42.27	31.176	3.6%	2.2	0.102	930.235	0.6720	0.6618	0.3309	0.95	0.9905	0.0063	14.10	0.8590	15.06	0.9546	55.1	64.9	6.7E-07	1.34E-06	1.2E-04	0.3247
02-Aug	18:00:00	195.90	78.90	50	29	30.67	-42.23	31.171	3.6%	2.2	0.102	930.907	0.6720	0.6616	0.3308	0.96	0.9904	0.0064	14.08	0.8592	15.03	0.9541	53.0	62.4	6.4E-07	1.29E-06	1.2E-04	0.3248
02-Aug	18:02:00	195.90	78.70	50	24	30.69	-42.20	31.167	3.6%	2.2	0.102	931.579	0.6720	0.6630	0.3315	0.79	0.9921	0.0053	13.90	0.8610	15.00	0.9541	53.0	62.4	6.4E-07	1.29E-06	1.2E-04	0.3250
02-Aug	18:04:00	196.00	78.70	52	29	30.66	-42.17	31.162	3.6%	2.2	0.101	932.251	0.6720	0.6618	0.3309	0.95	0.9905	0.0063	14.01	0.8599	14.97	0.9539	55.1	64.8	6.7E-07	1.34E-06	1.2E-04	0.3251
02-Aug	18:06:00	195.90	78.70	52	27	30.65	-42.13	31.157	3.6%	2.1	0.101	932.923	0.6720	0.6623	0.3312	0.88	0.9912	0.0059	13.92	0.8608	14.94	0.9535	55.1	64.8	6.7E-07	1.34E-06	1.2E-04	0.3252
02-Aug	18:08:00	196.00	78.60	53	29	30.64	-42.10	31.152	3.6%	2.1	0.101	933.595	0.6720	0.6620	0.3310	0.95	0.9905	0.0063	13.94	0.8606	14.91	0.9534	56.2	66.0	6.8E-07	1.36E-06	1.2E-04	0.3253
02-Aug	18:10:00	195.90	78.60	51	25	30.61	-42.07	31.148	3.6%	2.1	0.101	934.267	0.6720	0.6629	0.3314	0.82	0.9918	0.0055	13.80	0.8620	14.88	0.9529	54.1	63.5	6.6E-07	1.31E-06	1.2E-04	0.3254
02-Aug	18:12:00	195.90	78.60	53	24	30.67	-42.03	31.143	3.6%	2.1	0.100	934.939	0.6720	0.6631	0.3315	0.78	0.9922	0.0052	13.74	0.8626	14.85	0.9526	56.2	66.0	6.8E-07	1.36E-06	1.2E-04	0.3256
02-Aug	18:14:00	195.90	78.70	53	28	30.64	-42.00	31.138	3.6%	2.1	0.100	935.611	0.6720	0.6621	0.3310	0.92	0.9908	0.0061	13.83	0.8617	14.81	0.9522	56.2	66.0	6.8E-07	1.36E-06	1.2E-04	0.3257
02-Aug	18:16:00	195.90	78.60	50	27	30.64	-41.97	31.134	3.5%	2.1	0.100	936.283	0.6720	0.6624	0.3312	0.88	0.9912	0.0059	13.77	0.8623	14.78	0.9520	53.0	62.2	6.4E-07	1.28E-06	1.1E-04	0.3258
02-Aug	18:18:00	195.80	78.80	51	25	30.66	-41.93	31.129	3.5%	2.1	0.100	936.955	0.6720	0.6626	0.3313	0.82	0.9918	0.0055	13.69	0.8631	14.75	0.9512	54.1	63.4	6.6E-07	1.31E-06	1.2E-04	0.3259
02-Aug	18:20:00	195.90	78.80	50	27	30.65	-41.90	31.124	3.5%	2.1	0.099	937.627	0.6720	0.6622	0.3311	0.89	0.9911	0.0059	13.72	0.8628	14.72	0.9510	53.0	62.2	6.4E-07	1.28E-06	1.1E-04	0.3260
02-Aug	18:22:00	196.20	78.70	50	24	30.65	-41.87	31.120	3.5%	2.1	0.099	938.299	0.6720	0.6630	0.3315	0.79	0.9921	0.0053	13.60	0.8640	14.69	0.9513	53.0	62.1	6.4E-07	1.28E-06	1.1E-04	0.3261
02-Aug	18:24:00	196.00	78.70	54	26	30.67	-41.83	31.115	3.5%	2.1	0.099	938.971	0.6720	0.6625	0.3312	0.85	0.9915	0.0057	13.63	0.8637	14.66	0.9506	57.3	67.1	6.9E-07	1.39E-06	1.2E-04	0.3263
02-Aug	18:26:00	196.10	78.70	53	26	30.65	-41.80	31.110	3.5%	2.1	0.099	939.643	0.6720	0.6625	0.3313	0.85	0.9915	0.0057	13.60	0.8640	14.62	0.9505	56.2	65.8	6.8E-07	1.36E-06	1.2E-04	0.3264
02-Aug	18:28:00	196.20	78.80	51	29	30.66	-41.77	31.106	3.5%	2.1	0.098	940.315	0.6720	0.6617	0.3309	0.95	0.9905	0.0064	13.66	0.8634	14.59	0.9502	54.1	63.3	6.5E-07	1.31E-06	1.2E-04	0.3265
02-Aug	18:30:00	196.10	78.80	52	29	30.62	-41.73	31.101	3.5%	2.1	0.098	940.987	0.6720	0.6617	0.3308	0.95	0.9905	0.0064	13.63	0.8637	14.56	0.9497	55.1	64.5	6.7E-07	1.33E-06	1.2E-04	0.3266
02-Aug	18:32:00	196.10	78.70	51	28	30.64	-41.70	31.097	3.5%	2.1	0.098	941.659	0.6720	0.6621	0.3310	0.92	0.9908	0.0061	13.57	0.8641	14.54	0.9495	54.1	63.3	6.5E-07	1.31E-06	1.2E-04	0.3267
02-Aug	18:34:00	196.20	78.60	52	29	30.60	-41.67	31.092	3.5%	2.1	0.098	942.331	0.6720	0.6620	0.3310	0.95	0.9905	0.0063	13.56	0.8644	14.51	0.9495	55.1	64.5	6.7E-07	1.33E-06	1.2E-04	0.3269
02-Aug	18:36:00	196.30	78.70	51	26	30.64	-41.63	31.088	3.4%	2.1	0.097	943.003	0.6720	0.6625	0.3312	0.85	0.9915	0.0057	13.45	0.8655	14.48	0.9492	54.1	63.2	6.5E-07	1.31E-06	1.2E-04	0.3270
02-Aug	18:38:00	196.20	78.70	51	27	30.64	-41.60	31.083	3.4%	2.1	0.097	943.675	0.6720	0.6623	0.3312	0.88	0.9912	0.0059	13.45	0.8655	14.45	0.9487	54.1	63.2	6.5E-07	1.30E-06	1.2E-04	0.3271
02-Aug	18:40:00	196.20	78.70	52	25	30.60	-41.57	31.079	3.4%	2.1	0.097	944.347	0.6720	0.6623	0.3314	0.82	0.9918	0.0055	13.37	0.8663	14.42	0.9484	55.1	64.4	6.7E-07	1.33E-06	1.2E-04	0.3272
02-Aug	18:42:00	196.40	78.70	54	29	30.61	-41.53	31.074	3.4%	2.0	0.097	945.019	0.6720	0.6618	0.3309	0.95	0.9905	0.0063	13.45	0.8655	14.38	0.9483	57.3	66.9	6.9E-07	1.38E-06	1.2E-04	0.3273
02-Aug	18:44:00	196.50	78.70	53	24	30.61	-41.50	31.070	3.4%	2.0	0.096	945.691	0.6720	0.6630	0.3315	0.79	0.9921	0.0053	13.28	0.8672	14.35	0.9482	56.2	65.6	6.8E-07	1.36E-06	1.2E-04	0.3275
02-Aug	18:46:00	196.50	78.80	52	29	30.61	-41.47	31.065	3.4%	2.0	0.096	946.363	0.6720	0.6617	0.3309	0.95	0.9905	0.0064	13.40	0.8660	14.32	0.9477	55.1	64.4	6.6E-07	1.33E-06	1.2E-04	0.3276
02-Aug	18:48:00	196.50	78.70	50	28	30.62	-41.43	31.061	3.4%	2.0	0.096	947.035	0.6720	0.6621	0.3310	0.92	0.9908	0.0061	13.34	0.8666	14.29	0.9476	53.0	61.9	6.4E-07	1.27E-06	1.1E-04	0.3277
02-Aug	18:50:00	196.40	78.60	50	27	30.59	-41.40	31.056	3.4%	2.0	0.096	947.707	0.6720	0.6624	0.3312	0.88	0.9912	0.0059	13.28	0.8672	14.26	0.9472	53.0	61.8	6.4E-07	1.26E-06	1.1E-04	0.3278
02-Aug	18:52:00	196.30	78.60	50	27	30.62	-41.37	31.052	3.4%	2.0	0.095	948.379	0.6720	0.6624	0.3312	0.88	0.9912	0.0059	13.25	0.8675	14.23	0.9468	53.0	61.8	6.4E-07	1.26E-06	1.1E-04	0.3279
02-Aug	18:54:00	196.40	78.70	53	27	30.61	-41.33	31.047	3.3%	2.0	0.095	949.051	0.6720	0.6623	0.3312	0.88	0.9912	0.0059	13.22	0.8678	14.20	0.9465	56.2	65.5	6.8E-07	1.35E-06	1.2E-04	0.3280
02-Aug	18:56:00	196.40	78.60	51	27	30.58	-41.30	31.043	3.3%	2.0	0.095	949.723	0.6720	0.6624	0.3312	0.88	0.9912	0.0059	13.19	0.8681	14.17	0.9463	54.1	63.0	6.5E-07	1.30E-06	1.2E-04	0.3281
02-Aug	18:58:00	196.60	78.70	51	29	30.53	-41.27	31.038	3.3%	2.0	0.095	950.395	0.6720	0.6619	0.3309	0.95	0.9905	0.0063	13.22	0.8678	14.14	0.9462	54.1	63.0	6.5E-07	1.30E-06	1.2E-04	0.3283
02-Aug	19:00:00	196.80	78.60	48	24	30.56	-41.23	31.034	3.3%	2.0	0.094	951.047	0.6720	0.6631	0.3315	0.78	0.9922	0.0052	13.05	0.8695	14.12	0.9463	50.9	59.3	6.1E-07	1.22E-06	1.1E-04	0.3284
02-Aug	19:02:00	196.70	78.60	48	29	30.58	-41.20	31.030	3.3%	2.0	0.094	951.719	0.6720	0.6620	0.3310	0.95	0.9905	0.0063	13.16	0.8684	14.08	0.9458	50.9	59.2	6.1E-07	1.22E-06	1.1E-04	0.3285
02-Aug	19:04:00	196.80	78.60	49	29	30.57	-41.17	31.025	3.3%	2.0	0.094	952.411	0.6720	0.6620	0.3310	0.95	0.9905	0.0063	13.13	0.8687	14.06	0.9457	52.0	60.5	6.2E-07	1.25E-06	1.1E-04	0.3286
02-Aug	19:06:00	196.80	78.60	48	27	30.57	-41.13	31.021	3.3%	2.0	0.094	953.083	0.6720	0.6624	0.3312	0.88	0.9912	0.0059	13.01	0.8695	14.03	0.9454	50.9	59.2	6.1E-07	1.22E-06	1.1E-04	0.3287

Northwest Hardwoo
Alder
August 1-4, 1996

Y=	1.0119	
Pb=	29.9281	inHg
Pb=	101.59	kPa

Span	601.2	54.7	331 ppmv
Zero	0	0	-19 ppmv

DBFT		Lm
11.18		0°

SDDIP	x	F(x)	A	B	C	D
m	-72.03	43.80	-0.53498	0.00919	-0.00011	0.00000
n	-52.50	33.35	-0.14224	0.00326	-0.00005	
o	-29.30	30.05	-0.02546	0.00056		
p	-16.73	29.73	-0.00896			
q	0.00	29.58				

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
"Date"	"Time"	"Value" Tc F	"Value" Tm F	"Value" VOC ppmv	"Value" RH %	"Value" M fbm	dt (hrs)	Calculated Wood Mass Wm fbm	Calculated Wood Moisture %Bwc %	Wood Water Change dWw g	Wood Water Volume Vw(wood) dscf	Meter Reading cuft dVm ft³	Inlet Meter Volume Wet Vm(wet) wscf	Inlet Meter Volume Dry Vm(std) dscf	Inlet Flowrate Dry Q(std) dscf/min	Inlet Air Moisture Bws(inlet) %	Inlet Air Fraction dry mf(inlet)	Inlet Water Volume Vw(std) dscf	Inlet Air Moisture BWS(2) %	Inlet Air Dry mf(2)	Cumulative Chamber Moisture BWS(3) %	New Gases at Chamber Conditions Vt ft³	Cgas(wet) ppmv	Cgas(Dry) ppmv	Mgas lbm/min	lbm	lbm/MbdR	lbm/Mbdft
AVG		361.21	299.61	78.15	25.67	14.53																						
01-Aug	09:14:00	190.43	78.35																									
02-Aug	19:08:00	196.70	78.50	47	29	30.57	-41.10	31.016	3.3%	2.0	0.093	953.755	0.6720	0.6621	0.3311	0.94	0.9906	0.0063	13.07	0.8693	14.00	0.9450	50.9	59.2	6.1E-07	1.22E-06	1.1E-04	0.3288
02-Aug	19:10:00	196.70	78.50	47	27	30.55	-41.07	31.012	3.3%	2.0	0.093	954.427	0.6720	0.6626	0.3313	0.88	0.9912	0.0059	12.99	0.8701	13.97	0.9448	49.8	57.9	6.0E-07	1.20E-06	1.1E-04	0.3289
02-Aug	19:12:00	197.10	78.50	49	29	30.58	-41.03	31.008	3.3%	2.0	0.093	955.099	0.6720	0.6624	0.3312	0.91	0.9909	0.0061	12.99	0.8701	13.94	0.9450	52.0	60.4	6.2E-07	1.25E-06	1.1E-04	0.3290
02-Aug	19:14:00	196.70	78.50	50	28	30.58	-41.00	31.003	3.2%	2.0	0.093	955.771	0.6720	0.6623	0.3312	0.91	0.9909	0.0061	12.96	0.8704	13.91	0.9441	51.0	61.6	6.4E-07	1.27E-06	1.1E-04	0.3291
02-Aug	19:16:00	196.80	78.50	51	25	30.56	-40.97	30.999	3.2%	2.0	0.092	956.443	0.6720	0.6630	0.3315	0.81	0.9919	0.0054	12.84	0.8716	13.88	0.9440	54.1	62.8	6.5E-07	1.30E-06	1.2E-04	0.3293
02-Aug	19:18:00	196.90	78.40	47	25	30.56	-40.93	30.995	3.2%	2.0	0.092	957.115	0.6720	0.6632	0.3316	0.81	0.9919	0.0054	12.81	0.8719	13.85	0.9440	49.8	57.8	6.0E-07	1.20E-06	1.1E-04	0.3294
02-Aug	19:20:00	196.90	78.30	47	27	30.56	-40.90	30.990	3.2%	2.0	0.092	957.787	0.6720	0.6627	0.3314	0.88	0.9912	0.0059	12.84	0.8716	13.82	0.9437	49.8	57.8	6.0E-07	1.19E-06	1.1E-04	0.3295
02-Aug	19:22:00	196.80	78.40	48	27	30.55	-40.87	30.986	3.2%	1.9	0.092	958.459	0.6720	0.6627	0.3313	0.88	0.9912	0.0059	12.81	0.8719	13.79	0.9432	50.9	59.0	6.1E-07	1.22E-06	1.1E-04	0.3296
02-Aug	19:24:00	197.00	78.40	48	26	30.54	-40.83	30.982	3.2%	1.9	0.091	959.131	0.6720	0.6629	0.3315	0.84	0.9916	0.0056	12.75	0.8725	13.76	0.9432	50.9	59.0	6.1E-07	1.22E-06	1.1E-04	0.3297
02-Aug	19:26:00	196.80	78.40	49	29	30.54	-40.80	30.978	3.2%	1.9	0.091	959.803	0.6720	0.6623	0.3311	0.94	0.9906	0.0063	12.81	0.8719	13.73	0.9426	52.0	60.2	6.2E-07	1.24E-06	1.1E-04	0.3298
02-Aug	19:28:00	197.00	78.40	50	28	30.56	-40.77	30.973	3.2%	1.9	0.091	960.475	0.6720	0.6625	0.3312	0.91	0.9909	0.0061	12.76	0.8724	13.70	0.9426	53.0	61.4	6.3E-07	1.27E-06	1.1E-04	0.3299
02-Aug	19:30:00	196.80	78.40	48	29	30.54	-40.73	30.969	3.2%	1.9	0.091	961.147	0.6720	0.6623	0.3311	0.94	0.9906	0.0063	12.76	0.8724	13.67	0.9420	50.9	59.0	6.1E-07	1.22E-06	1.1E-04	0.3300
02-Aug	19:32:00	197.10	78.40	50	23	30.53	-40.70	30.965	3.2%	1.9	0.090	961.819	0.6720	0.6636	0.3318	0.73	0.9925	0.0050	12.56	0.8744	13.64	0.9421	53.0	61.4	6.3E-07	1.27E-06	1.1E-04	0.3301
02-Aug	19:34:00	197.10	78.40	53	29	30.54	-40.67	30.961	3.2%	1.9	0.090	962.491	0.6720	0.6623	0.3311	0.94	0.9906	0.0063	12.70	0.8730	13.61	0.9418	56.2	65.0	6.7E-07	1.34E-06	1.2E-04	0.3303
02-Aug	19:36:00	197.10	78.40	50	23	30.54	-40.63	30.957	3.1%	1.9	0.090	963.163	0.6720	0.6636	0.3318	0.73	0.9925	0.0050	12.50	0.8750	13.58	0.9415	53.0	61.3	6.3E-07	1.27E-06	1.1E-04	0.3304
02-Aug	19:38:00	197.10	78.30	48	24	30.54	-40.60	30.952	3.1%	1.9	0.090	963.835	0.6720	0.6635	0.3318	0.78	0.9922	0.0052	12.50	0.8750	13.55	0.9414	50.9	58.9	6.1E-07	1.22E-06	1.1E-04	0.3305
02-Aug	19:40:00	197.10	78.20	48	28	30.56	-40.57	30.948	3.1%	1.9	0.089	964.507	0.6720	0.6628	0.3314	0.90	0.9910	0.0060	12.58	0.8742	13.52	0.9412	50.9	58.8	6.1E-07	1.22E-06	1.1E-04	0.3306
02-Aug	19:42:00	197.00	78.30	48	29	30.57	-40.53	30.944	3.1%	1.9	0.089	965.179	0.6720	0.6624	0.3312	0.94	0.9906	0.0063	12.58	0.8742	13.49	0.9406	50.9	58.8	6.1E-07	1.21E-06	1.1E-04	0.3307
02-Aug	19:44:00	197.00	78.20	48	27	30.54	-40.50	30.940	3.1%	1.9	0.089	965.851	0.6720	0.6630	0.3315	0.87	0.9913	0.0058	12.50	0.8750	13.46	0.9405	50.9	58.8	6.1E-07	1.22E-06	1.1E-04	0.3308
02-Aug	19:46:00	197.30	78.20	55	26	30.58	-40.47	30.936	3.1%	1.9	0.089	966.523	0.6720	0.6632	0.3316	0.84	0.9916	0.0056	12.44	0.8756	13.43	0.9406	58.3	67.4	7.0E-07	1.39E-06	1.2E-04	0.3309
02-Aug	19:48:00	197.00	78.20	53	26	30.57	-40.43	30.932	3.1%	1.9	0.088	967.195	0.6720	0.6632	0.3316	0.84	0.9916	0.0056	12.41	0.8759	13.40	0.9399	56.2	64.9	6.7E-07	1.34E-06	1.2E-04	0.3311
02-Aug	19:50:00	197.20	78.20	50	24	30.58	-40.40	30.927	3.1%	1.9	0.088	967.867	0.6720	0.6637	0.3318	0.77	0.9923	0.0052	12.33	0.8767	13.37	0.9399	53.0	61.2	6.3E-07	1.27E-06	1.1E-04	0.3312
02-Aug	19:52:00	197.30	78.10	48	27	30.56	-40.37	30.923	3.1%	1.9	0.088	968.539	0.6720	0.6632	0.3316	0.87	0.9913	0.0058	12.38	0.8762	13.34	0.9399	50.9	58.7	6.1E-07	1.21E-06	1.1E-04	0.3313
02-Aug	19:54:00	197.20	78.20	49	29	30.57	-40.33	30.919	3.1%	1.9	0.088	969.211	0.6720	0.6626	0.3313	0.93	0.9907	0.0063	12.41	0.8759	13.31	0.9393	52.0	59.9	6.2E-07	1.24E-06	1.1E-04	0.3314
02-Aug	19:56:00	197.20	78.20	49	29	30.52	-40.30	30.915	3.0%	1.9	0.087	969.883	0.6720	0.6626	0.3313	0.93	0.9907	0.0063	12.39	0.8761	13.28	0.9390	52.0	59.9	6.2E-07	1.24E-06	1.1E-04	0.3315
02-Aug	19:58:00	197.40	78.20	48	28	30.54	-40.27	30.911	3.0%	1.8	0.087	970.555	0.6720	0.6628	0.3314	0.90	0.9910	0.0060	12.33	0.8767	13.26	0.9390	50.9	58.7	6.1E-07	1.21E-06	1.1E-04	0.3316
02-Aug	20:00:00	197.20	78.10	49	29	30.50	-40.23	30.907	3.0%	1.8	0.087	971.227	0.6720	0.6627	0.3313	0.93	0.9907	0.0062	12.33	0.8767	13.23	0.9385	52.0	59.9	6.2E-07	1.24E-06	1.1E-04	0.3317
02-Aug	20:02:00	197.20	78.20	48	29	30.53	-40.20	30.903	3.0%	1.8	0.087	971.899	0.6720	0.6627	0.3314	0.93	0.9907	0.0062	12.30	0.8770	13.20	0.9383	50.9	58.6	6.1E-07	1.21E-06	1.1E-04	0.3318
02-Aug	20:04:00	197.20	78.20	51	23	30.51	-40.17	30.899	3.0%	1.8	0.086	972.571	0.6720	0.6639	0.3319	0.74	0.9926	0.0050	12.11	0.8789	13.17	0.9378	54.1	62.3	6.4E-07	1.29E-06	1.2E-04	0.3319
02-Aug	20:06:00	197.40	78.00	50	23	30.49	-40.13	30.895	3.0%	1.8	0.086	973.243	0.6720	0.6641	0.3321	0.74	0.9926	0.0049	12.07	0.8793	13.14	0.9381	53.0	61.0	6.3E-07	1.26E-06	1.1E-04	0.3321
02-Aug	20:08:00	197.40	78.10	48	28	30.52	-40.10	30.891	3.0%	1.8	0.086	973.915	0.6720	0.6629	0.3315	0.90	0.9910	0.0060	12.19	0.8781	13.11	0.9377	50.9	58.6	6.1E-07	1.21E-06	1.1E-04	0.3322
02-Aug	20:10:00	197.30	78.00	46	25	30.49	-40.07	30.887	3.0%	1.8	0.086	974.587	0.6720	0.6637	0.3319	0.80	0.9920	0.0054	12.07	0.8793	13.08	0.9374	48.8	56.1	5.8E-07	1.16E-06	1.0E-04	0.3323
02-Aug	20:12:00	197.30	78.00	47	29	30.49	-40.03	30.883	3.0%	1.8	0.086	975.259	0.6720	0.6628	0.3314	0.93	0.9907	0.0062	12.16	0.8784	13.05	0.9371	49.8	57.3	5.9E-07	1.18E-06	1.1E-04	0.3324
02-Aug	20:14:00	197.40	78.00	48	27	30.52	-40.00	30.879	3.0%	1.8	0.085	975.931	0.6720	0.6633	0.3316	0.86	0.9914	0.0058	12.07	0.8793	13.02	0.9370	50.9	58.5	6.0E-07	1.21E-06	1.1E-04	0.3325
02-Aug	20:16:00	197.50	78.00	46	27	30.49	-39.97	30.875	3.0%	1.8	0.085	976.603	0.6720	0.6633	0.3316	0.86	0.9914	0.0058	12.05	0.8795	13.00	0.9368	48.8	56.1	5.8E-07	1.16E-06	1.0E-04	0.3326
02-Aug	20:18:00	197.20	78.00	46	25	30.49	-39.93	30.871	2.9%	1.8	0.085	977.275	0.6720	0.6637	0.3319	0.80	0.9920	0.0054	11.96	0.8804	12.97	0.9361	48.8	56.0	5.8E-07	1.16E-06	1.0E-04	0.3327
02-Aug	20:20:00	197.20	77.70	46	29	30.49	-39.90	30.867	2.9%	1.8	0.085	977.947	0.6720	0.6633	0.3316	0.92	0.9908	0.0062	12.04	0.8796	12.94	0.9362	48.8	56.0	5.8E-07	1.16E-06	1.0E-04	0.3328
02-Aug	20:22:00	197.30	78.00	47	27	30.49	-39.87	30.863	2.9%	1.8	0.084	978.619	0.6720	0.6633	0.3316	0.86	0.9914	0.0058	11.97	0.8803	12.91	0.9357	49.8	57.2	5.9E-07	1.18E-06	1.1E-04	0.3329
02-Aug	20:24:00	197.50	78.00	47	24	30.50	-39.83	30.859	2.9%	1.8	0.084	979.292	0.6720	0.6639	0.3320	0.77	0.9923	0.0051	11.85	0.8815	12.88	0.9357	49.8	57.2	5.9E-07	1.18E-06	1.1E-04	0.3330
02-Aug	20:26:00	197.20	77.90	46	24	30.49	-39.80	30.855	2.9%	1.8	0.084	979.963	0.6720	0.6641	0.3320	0.77	0.9923	0.0051	11.82	0.8818	12.85	0.9351	48.8	56.0	5.8E-07	1.16E-06	1.0E-04	0.3331
02-Aug	20:28:00	197.60	77.90	48	25	30.49	-39.77	30.851	2.9%	1.8	0.084	980.636	0.6720	0.6639	0.3319	0.80	0.9920	0.0053	11.82	0.8818	12.82	0.9354	50.9	58.4	6.0E-07	1.21E-06	1.1E-04	0.3332
02-Aug	20:30:00	197.40	77.80	46	29	30.45	-39.73	30.847	2.9%	1.8	0.083	981.308	0.6720	0.6632	0.3316	0.92	0.9908	0.0062	11.91	0.8809	12.79	0.9350	48.8	55.9	5.8E-07	1.16E-06	1.0E-04	0.3333
02-Aug	20:32:00	197.50	78.00	45	28	30.44	-39.70	30.844	2.9%	1.8	0.083	981.979	0.6720	0.6631	0.3315	0.90	0.9910	0.0060	11.86	0.8814	12.76	0.9345	47.7	54.7	5.7E-07	1.13E-06	1.0E-04	0.3334
02-Aug	20:34:00	197.60	78.00	45	25	30.48	-39.67	30.840	2.9%	1.8	0.083	982.652	0.6720	0.6637	0.3319	0.80	0.9920	0.0054	11.75	0.8825	12.74	0.9344	47.7	54.7	5.7E-07	1.13E-06	1.0E-04	0.3335
02-Aug	20:36:00	197.40	77.90	45	24	30.44	-39.63	30.836	2.9%	1.8	0.083	983.324	0.6720	0.6641	0.3320	0.77	0.9923	0.0051	11.69	0.8831	12.71	0.9340	47.7	54.7	5.7E-07	1.13E-06	1.0E-04	0.3336
02-Aug	20:38:00	197.50	77.90	46	25	30.44	-39.60	30.832	2.9%	1.8	0.083	983.996	0.6720	0.6638	0.3319	0.80	0.9920	0.0053	11.69	0.8831	12.67	0.9338	48.8	55.9	5.8E-07	1.16E-06	1.0E-04	0.3337
02-Aug	20:40:00	197.10	77.70	50	26	30.42	-39.57	30.828	2.8%	1.7	0.082	984.668	0.6720	0.6639	0.3320	0.82	0.9918	0.0055	11.68	0.8832	12.65	0.9336	53.0	60.7	6.3E-07	1.26E-06	1.1E-04	0.3338
02-Aug	20:42:00	197.50	77.90	48	24	30.41	-39.53	30.824	2.8%	1.7	0.082	985.340	0.6720	0.6641	0.3320	0.77	0.9923	0.0051	11.61	0.8839	12.62	0.9333	50.9	58.2	6.0E-07	1.21E-06	1.1E-04	0.3339
02-Aug	20:44:00	197.40	77.90	47	24	30.41	-39.50	30.820	2.8%	1.7	0.082	986.012	0.6720	0.6641	0.3320	0.77	0.9923	0.0051	11.58	0.8842	12.59	0.9328	49.8	57.0	5.9E-07	1.18E-06	1.1E-04	0.3341
02-Aug	20:46:00	197.40	77.90	48	27	30.37	-39.47	30.817	2.8%	1.7	0.082	986.684	0.6720	0.6634	0.3317	0.86	0.9914	0.0058	11.64	0.8836	12.56	0.9326	50.9	58.2	6.0E-07	1.20E-06	1.1E-04	0.3342
02-Aug	20:48:00	197.40	77.90	47	24	30.37	-39.43	30.813	2.8%	1.7	0.081	987.356	0.6720	0.6641	0.3320	0.77	0.9923	0.0051	11.53	0.8847	12.53	0.9323	49.8	57.0	5.9E-07	1.18E-06	1.1E-04	0.3343
02-Aug	20:50:00	197.30	77.90	47	24	30.40	-39.40	30.809	2.8%	1.7	0.081	988.028	0.6720	0.6641	0.3320	0.77	0.9923	0.0051	11.50	0.8850	12.50	0.9319	49.8	57.0	5.9E-07	1.18E-06	1.1E-04	0.3344
02-Aug	20:52:00	197.30	77.70	50	23	30.38	-39.37	30.805	2.8%	1.7	0.081	988.700	0.6720	0.6645	0.3323	0.73	0.9927	0.0049	11.44	0.8856	12.47	0.9319	53.0	60.6	6.3E-07	1.25E-06	1.1E-04	0.3345
02-Aug	20:54:00	197.20	77.70	47	23	30.35	-39.33	30.801	2.8%	1.7	0.081	989.372	0.6720	0.6646	0.3323	0.73	0.9927	0.0049	11.41	0.8859	12.44	0.9315	49.8	56.9	5.9E-07	1.18E-06	1.1E-04	0.3346
02-Aug	20:56:00	197.20	77.80	46	24	30.36	-39.30	30.798	2.8%	1.7	0.081	990.044	0.6720	0.6642	0.3321	0.76	0.9924	0.0051	11.42	0.8858	12.41	0.9310	48.8	55.7	5.8E-07	1.15E-06	1.0E-04	0.3347
02-Aug	20:58:00	197.20	77.90	46	28	30.34	-39.27	30.794	2.8%	1.7	0.080	990.716	0.6720	0.6632	0.3316	0.89	0.9911	0.0060	11.51	0.8849	12.38	0.9306	48.8	55.7	5.8E-07	1.15E-06	1.0E-04	0.3348
02-Aug	21:00:00	197.20	77.90	47	23	30.35	-39.23	30.790	2.8%	1.7	0.080	991.388	0.6720	0.6643	0.3321	0.73	0.9927	0.0049	11.34	0.8866	12.35	0.9303	49.8	56.9	5.9E-07	1.18E-06	1.1E-04	0.3349
02-Aug	21:02:00	197.20	77.80	47	23	30.37	-39.20	30.786	2.8%	1.7	0.080	992.060	0.6720	0.6644	0.3322	0.73	0.9927	0.0049	11.31	0.8869	12.32	0.9302	49.8	56.8	5.9E-07	1.18E-06	1.1E-04	0.3350
02-Aug	21:04:00	197.40	77.90	48	23	30.33	-39.17	30.783	2.7%	1.7	0.080	992.732	0.6720	0.6643	0.3321	0.73	0.9927	0.0049	11.29	0.8871	12.29	0.9300	50.9	58.0	6.0E-07	1.20E-06	1.1E-04	0.3351
02-Aug	21:06:00	197.40	77.80	47	28	30.31	-39.13	30.779	2.7%	1.7	0.079	993.404	0.6720	0.6634	0.3317	0.89	0.9911	0.0060	11.40	0.8860	12.25	0.9300	49.8	56.8	5.9E-07	1.17E-06	1.1E-04	0.3352
02-Aug	21:08:00	197.20	77.80	47	23	30.34	-39.10	30.775	2.7%	1.7	0.079	994.076	0.6720	0.6644	0.3322	0.73	0.9927	0.0049	11.23	0.8877	12.23	0.9294	49.8	56.8	5.9E-07	1.18E-06	1.1E-04	0.3353
02-Aug	21:10:00	197.20	77.80	50	23	30.34	-39.07	30.772	2.7%	1.7	0.079	994.748	0.6720	0.6644	0.3322	0.73	0.9927	0.0049	11.21	0.8879	12.20	0.9291	53.0	60.4	6.3E-07	1.25E-06	1.1E-04	0.3354
02-Aug	21:12:00	197.40	77.90	51	23	30.37	-39.03	30.768	2.7%	1.7	0.079	995.420	0.6720	0.6639	0.3319	0.80	0.9920	0.0053	11.24	0.8876	12.17	0.9290	54.1	61.6	6.4E-07	1.27E-06	1.1E-04	0.3355
02-Aug	21:14:00	197.20	77.80	48	28	30.35	-39.00	30.764	2.7%	1.7	0.079	996.092	0.6720	0.6634	0.3317	0.89	0.9911	0.0060	11.30	0.8870	12.15	0.9286	50.9	57.9	6.0E-07	1.20E-06	1.1E-04	0.3357
02-Aug	21:16:00	197.20	77.90	47	29	30.34	-38.97	30.761	2.7%	1.7	0.078	996.764	0.6720	0.6630	0.3315	0.93	0.9907	0.0062	11.30	0.8870	12.12	0.9281	49.8	56.7	5.9E-07	1.17E-06	1.0E-04	0.3358
02-Aug	21:18:00	197.20	77.90	46	25	30.33	-38.93	30.757	2.7%	1.7	0.078	997.436	0.6720	0.6638	0.3319	0.80	0.9920	0.0053	11.16	0.8884	12.10	0.9278	48.8	55.5	5.7E-07	1.15E-06	1.0E-04	0.3359
02-Aug	21:20:00	197.60	77.90	46	24	30.33	-38.90	30.753	2.7%	1.7	0.078	998.108	0.6720	0.6641	0.3320	0.77	0.9923	0.0051	11.11	0.8889	12.07	0.9282	48.8	55.5	5.7E-07	1.15E-06	1.0E-04	0.3360
02-Aug	21:22:00	197.60	78.00	44	29	30.35	-38.87	30.750	2.7%	1.6	0.078	998.780	0.6720	0.6629	0.3314	0.93	0.9907	0.0062	11.21	0.8877	12.04	0.9277	46.7	53.0	5.5E-07	1.10E-06	9.8E-05	0.3361
02-Aug	21:24:00	197.40	78.00	44	24	30.34	-38.83	30.746	2.7%	1.6	0.077	999.452	0.6720	0.6639	0.3320	0.77	0.9923	0.0051	11.06	0.8894	12.02	0.9272	46.7	53.0	5.5E-07	1.10E-06	9.8E-05	0.3362
02-Aug	21:26:00	197.60	78.00	45	24	30.36	-38.80	30.742	2.7%	1.6	0.077	1000.124	0.6720	0.6639	0.3320	0.77	0.9923	0.0051	11.04	0.8896	11.99	0.9272	47.7	54.2	5.6E-07	1.12E-06	1.0E-04	0.3363
02-Aug	21:28:00	197.40	77.80	46	27	30.35	-38.77	30.739	2.6%	1.6	0.077	1000.796	0.6720	0.6636	0.3318	0.86	0.9914	0.0057	11.09	0.8891	11.96	0.9270	48.8	55.4	5.7E-07	1.15E-06	1.0E-04	0.3364
02-Aug	21:30:00	197.60	77.80	45	23	30.35	-38.73	30.735	2.6%	1.6	0.077	1001.468	0.6720	0.6644	0.3322	0.73	0.9927	0.0049	10.95	0.8905	11.93	0.9269	47.7	54.2	5.6E-07	1.12E-06	1.0E-04	0.3365
02-Aug	21:32:00	197.60	77.80	49	24	30.35	-38.70	30.732	2.6%	1.6	0.077	1002.140	0.6720	0.6642	0.3321	0.76	0.9924	0.0051	10.95	0.8905	11.90	0.9267	52.0	59.0	6.1E-07	1.22E-06	1.1E-04	0.3366
02-Aug	21:34:00	197.40	77.80	48	23	30.34	-38.67	30.728	2.6%	1.6	0.076	1002.812	0.6720	0.6644	0.3322	0.73	0.9927	0.0049	10.90	0.8910	11.87	0.9262	50.9	57.8	6.0E-07	1.20E-06	1.1E-04	0.3367
02-Aug	21:36:00	197.70	77.80	46	25	30.34	-38.63	30.725	2.6%	1.6	0.076	1003.484	0.6720	0.6640	0.3320	0.80	0.9920	0.0053	10.93	0.8907	11.85	0.9263	48.8	55.3	5.7E-07	1.15E-06	1.0E-04	0.3368
02-Aug	21:38:00	197.60	78.00	47	28	30.35	-38.60	30.721	2.6%	1.6	0.076	1004.156	0.6720	0.6631	0.3315	0.90	0.9910	0.0060	11.00	0.8900	11.82	0.9256	49.8	56.5	5.9E-07	1.17E-06	1.0E-04	0.3369
02-Aug	21:40:00	197.40	77.90	44	26	30.34	-38.57	30.717	2.6%	1.6	0.076	1004.828	0.6720	0.6637	0.3318	0.83	0.9917	0.0056	10.91	0.8909	11.79	0.9252	46.7	52.9	5.5E-07	1.09E-06	9.8E-05	0.3370
02-Aug	21:42:00	197.40	78.00	44	23	30.34	-38.53	30.714	2.6%	1.6	0.075	1005.500	0.6720	0.6641	0.3321	0.74	0.9926	0.0049	10.80	0.8920	11.77	0.9248	46.7	52.9	5.5E-07	1.09E-06	9.8E-05	0.3371
02-Aug	21:44:00	197.60	77.80	44	28	30.34	-38.50	30.710	2.6%	1.6	0.075	1006.172	0.6720	0.6634	0.3317	0.89	0.9911	0.0060	10.91	0.8909	11.74	0.9241	46.7	52.9	5.5E-07	1.09E-06	9.8E-05	0.3372
02-Aug	21:46:00	197.60	78.00	44	29	30.33	-38.47	30.707	2.6%	1.6	0.075	1006.844	0.6720	0.6629	0.3314	0.93	0.9907	0.0062	10.92	0.8908	11.71	0.9245	46.7	52.8	5.5E-07	1.09E-06	9.8E-05	0.3373
02-Aug	21:48:00	197.50	77.80	45	23	30.33	-38.43	30.703	2.6%	1.6	0.075	1007.516	0.6720	0.6644	0.3322	0.73	0.9927	0.0049	10.72	0.8928	11.69	0.9245	47.7	54.9	5.6E-07	1.12E-06	1.0E-04	0.3374
02-Aug	21:50:00	197.60	78.00	44	23	30.34	-38.40	30.700	2.6%	1.6	0.075	1008.188	0.6720	0.6641	0.3321	0.74	0.9926	0.0049	10.70	0.8930	11.66	0.9240	46.7	52.8	5.5E-07	1.09E-06	9.8E-05	0.3375
02-Aug	21:52:00	197.40	78.00	46	26	30.37	-38.37	30.696	2.5%	1.6	0.074	1008.860	0.6720	0.6635	0.3318	0.83	0.9917	0.0056	10.76	0.8924	11.63	0.9235	48.8	55.2	5.7E-07	1.14E-06	1.0E-04	0.3376
02-Aug	21:54:00	197.70	77.80	43	23	30.35	-38.33	30.693	2.5%	1.6	0.074	1009.532	0.6720	0.6644	0.3322	0.73	0.9927	0.0049	10.64	0.8936	11.61	0.9240	45.6	51.6	5.3E-07	1.07E-06	9.6E-05	0.3377
02-Aug	21:56:00	197.50	77.80	44	24	30.37	-38.30	30.689	2.5%	1.6	0.074	1010.204	0.6720	0.6642	0.3321	0.76	0.9924	0.0051	10.65	0.8935	11.58	0.9234	46.7	52.8	5.5E-07	1.09E-06	9.8E-05	0.3378
02-Aug	21:58:00	197.90	78.00	45	26	30.36	-38.27	30.686	2.5%	1.6	0.074	1010.876	0.6720	0.6635	0.3318	0.83	0.9917	0.0056	10.69	0.8931	11.55	0.9234	47.7	53.9	5.6E-07	1.12E-06	1.0E-04	0.3379
02-Aug	22:00:00	197.70	78.00	46	24	30.33	-38.23	30.683	2.5%	1.6	0.074	1011.548	0.6720	0.6639	0.3320	0.77	0.9923	0.0051	10.60	0.8940	11.52	0.9229	48.8	55.1	5.7E-07	1.14E-06	1.0E-04	0.3380
02-Aug	22:02:00	197.70	77.70	46	24	30.34	-38.20	30.679	2.5%	1.6	0.073	1012.220	0.6720	0.6643	0.3322	0.76	0.9924	0.0051	10.57	0.8943	11.50	0.9230	48.8	55.1	5.7E-07	1.14E-06	1.0E-04	0.3381
02-Aug	22:04:00	197.90	77.70	46	23	30.36	-38.17	30.676	2.5%	1.6	0.073	1012.892	0.6720	0.6646	0.3323	0.73	0.9927	0.0049	10.51	0.8949	11.47	0.9231	48.8	55.1	5.7E-07	1.14E-06	1.0E-04	0.3382
02-Aug	22:06:00	197.90	77.80	44	24	30.38	-38.13	30.672	2.5%	1.5	0.073	1013.564	0.6720	0.6642	0.3321	0.76	0.9924	0.0051	10.52	0.8948	11.44	0.9227	46.7	52.7	5.5E-07	1.09E-06	9.8E-05	0.3383
02-Aug	22:08:00	197.60	77.60	44	24	30.37	-38.10	30.669	2.5%	1.5	0.073	1014.236	0.6720	0.6645	0.3322	0.76	0.9924	0.0051	10.49	0.8951	11.41	0.9223	46.7	52.7	5.5E-07	1.09E-06	9.8E-05	0.3384
02-Aug	22:10:00	197.60	77.60	44	27	30.39	-38.07	30.665	2.5%	1.5	0.073	1014.908	0.6720	0.6639	0.3319	0.85	0.9915	0.0057	10.55	0.8945	11.39	0.9220	46.7	52.6	5.4E-07	1.09E-06	9.7E-05	0.3385
02-Aug	22:12:00	197.60	77.50	45	24	30.41	-38.03	30.662	2.5%	1.5	0.072	1015.580	0.6720	0.6646	0.3323	0.76	0.9924	0.0051	10.43	0.8957	11.36	0.9219	47.7	53.8	5.6E-07	1.12E-06	1.0E-04	0.3386
02-Aug	22:14:00	197.60	77.60	45	24	30.37	-38.00	30.659	2.5%	1.5	0.072	1016.252	0.6720	0.6645	0.3322	0.76	0.9924	0.0051	10.41	0.8959	11.33	0.9215	47.7	53.8	5.6E-07	1.11E-06	1.0E-04	0.3387
02-Aug	22:16:00	197.90	77.60	45	24	30.39	-37.97	30.655	2.5%	1.5	0.072	1016.924	0.6720	0.6645	0.3323	0.76	0.9924	0.0051	10.39	0.8961	11.31	0.9217	47.7	53.8	5.6E-07	1.11E-06	1.0E-04	0.3388
02-Aug	22:18:00	197.70	77.60	48	24	30.40	-37.93	30.652	2.4%	1.5	0.072	1017.596	0.6720	0.6645	0.3323	0.76	0.9924	0.0051	10.36	0.8964	11.28	0.9212	50.9	57.4	5.9E-07	1.19E-06	1.1E-04	0.3389
02-Aug	22:20:00	197.70	77.50	47	24	30.40	-37.90	30.649	2.4%	1.5	0.072	1018.268	0.6720	0.6646	0.3323	0.76	0.9924	0.0051	10.33	0.8967	11.25	0.9211	49.8	56.2	5.8E-07	1.16E-06	1.0E-04	0.3390
02-Aug	22:22:00	197.70	77.40	50	24	30.41	-37.87	30.645	2.4%	1.5	0.071	1018.940	0.6720	0.6648	0.3324	0.75	0.9925	0.0050	10.31	0.8969	11.22	0.9209	53.0	59.7	6.2E-07	1.24E-06	1.1E-04	0.3391
02-Aug	22:24:00	197.70	77.50	53	25	30.43	-37.83	30.642	2.4%	1.5	0.071	1019.612	0.6720	0.6644	0.3322	0.79	0.9921	0.0053	10.31	0.8969	11.20	0.9206	56.2	63.3	6.6E-07	1.31E-06	1.2E-04	0.3392
02-Aug	22:26:00	197.70	77.40	46	28	30.43	-37.80	30.639	2.4%	1.5	0.071	1020.284	0.6720	0.6639	0.3320	0.88	0.9912	0.0059	10.37	0.8963	11.17	0.9205	48.8	54.9	5.7E-07	1.14E-06	1.0E-04	0.3393
02-Aug	22:28:00	197.90	77.50	44	29	30.42	-37.77	30.635	2.4%	1.5	0.071	1020.956	0.6720	0.6636	0.3318	0.91	0.9909	0.0061	10.38	0.8962	11.15	0.9203	46.7	52.5	5.4E-07	1.09E-06	9.7E-05	0.3394
02-Aug	22:30:00	197.70	77.40	44	24	30.43	-37.73	30.632	2.4%	1.5	0.071	1021.628	0.6720	0.6648	0.3324	0.75	0.9925	0.0050	10.21	0.8979	11.12	0.9200	46.7	52.5	5.4E-07	1.09E-06	9.7E-05	0.3395
02-Aug	22:32:00	197.70	77.40	43	29	30.46	-37.70	30.629	2.4%	1.5	0.070	1022.300	0.6720	0.6637	0.3319	0.91	0.9909	0.0061	10.32	0.8968	11.10	0.9197	45.6	51.3	5.3E-07	1.06E-06	9.5E-05	0.3396
02-Aug	22:34:00	198.00	77.40	47	25	30.44	-37.67	30.626	2.4%	1.5	0.070	1022.972	0.6720	0.6645	0.3323	0.78	0.9922	0.0053	10.19	0.8981	11.07	0.9198	49.8	56.0	5.8E-07	1.16E-06	1.0E-04	0.3397
02-Aug	22:36:00	198.00	77.40	46	24	30.45	-37.63	30.622	2.4%	1.5	0.070	1023.644	0.6720	0.6648	0.3324	0.75	0.9925	0.0050	10.13	0.8987	11.05	0.9196	48.8	54.8	5.7E-07	1.14E-06	1.0E-04	0.3398
02-Aug	22:38:00	197.60	77.20	47	24	30.43	-37.60	30.619	2.4%	1.5	0.070	1024.316	0.6720	0.6651	0.3325	0.75	0.9925	0.0050	10.10	0.8990	11.02	0.9191	49.8	56.0	5.8E-07	1.16E-06	1.0E-04	0.3399
02-Aug	22:40:00	197.90	77.40	42	28	30.45	-37.57	30.616	2.4%	1.5	0.070	1024.988	0.6720	0.6639	0.3320	0.88	0.9912	0.0059	10.20	0.8980	10.99	0.9190	44.5	50.0	5.2E-07	1.04E-06	9.3E-05	0.3400
02-Aug	22:42:00	197.70	77.20	41	26	30.42	-37.53	30.613	2.4%	1.5	0.069	1025.660	0.6720	0.6646	0.3323	0.81	0.9919	0.0054	10.11	0.8989	10.97	0.9188	43.5	48.8	5.1E-07	1.01E-06	9.0E-05	0.3401
02-Aug	22:44:00	198.00	77.20	41	26	30.41	-37.50	30.609	2.3%	1.5	0.069	1026.332	0.6720	0.6646	0.3323	0.81	0.9919	0.0054	10.09	0.8991	10.94	0.9189	43.5	48.8	5.1E-07	1.01E-06	9.0E-05	0.3402
02-Aug	22:46:00	198.10	77.20	41	24	30.42	-37.47	30.606	2.3%	1.5	0.069	1027.004	0.6720	0.6651	0.3325	0.75	0.9925	0.0050	10.00	0.9000	10.92	0.9188	43.5	48.8	5.1E-07	1.01E-06	9.0E-05	0.3403
02-Aug	22:48:00	198.10	77.10	40	25	30.39	-37.43	30.603	2.3%	1.5	0.069	1027.676	0.6720	0.6650	0.3325	0.78	0.9922	0.0052	10.00	0.9000	10.89	0.9187	42.4	47.6	4.9E-07	9.87E-07	8.8E-05	0.3404
02-Aug	22:50:00	198.10	77.00	40	24	30.41	-37.40	30.600	2.3%	1.5	0.069	1028.348	0.6720	0.6653	0.3327	0.74	0.9926	0.0050	9.95	0.9005	10.86	0.9187	42.4	47.6	4.9E-07	9.87E-07	8.8E-05	0.3404
02-Aug	22:52:00	198.10	77.10	40	24	30.40	-37.37	30.596	2.3%	1.4	0.068	1029.020	0.6720	0.6652	0.3326	0.75	0.9925	0.0050	9.93	0.9007	10.84	0.9183	42.4	47.6	4.9E-07	9.86E-07	8.8E-05	0.3405
02-Aug	22:54:00	198.20	77.10	41	24	30.42	-37.33	30.593	2.3%	1.4	0.068	1029.692	0.6720	0.6652	0.3326	0.75	0.9925	0.0050	9.90	0.9010	10.81	0.9181	43.5	48.7	5.1E-07	1.01E-06	9.0E-05	0.3406
02-Aug	22:56:00	198.40	77.10	42	27	30.39	-37.30	30.590	2.3%	1.4	0.068	1030.364	0.6720	0.6646	0.3323	0.84	0.9916	0.0056	9.97	0.9003	10.78	0.9182	44.5	49.9	5.2E-07	1.03E-06	9.2E-05	0.3407
02-Aug	22:58:00	198.10	77.10	44	24	30.40	-37.27	30.587	2.3%	1.4	0.068	1031.036	0.6720	0.6652	0.3326	0.75	0.9925	0.0050	9.86	0.9014	10.76	0.9175	46.7	52.3	5.4E-07	1.08E-06	9.7E-05	0.3408
02-Aug	23:00:00	198.20	77.10	41	25	30.42	-37.23	30.584	2.3%	1.4	0.068	1031.708	0.6720	0.6650	0.3325	0.78	0.9922	0.0052	9.86	0.9014	10.73	0.9174	43.5	48.7	5.0E-07	1.01E-06	9.0E-05	0.3409
02-Aug	23:02:00	198.10	76.90	42	25	30.39	-37.20	30.581	2.3%	1.4	0.067	1032.380	0.6720	0.6653	0.3326	0.77	0.9923	0.0052	9.83	0.9017	10.71	0.9173	44.5	49.9	5.2E-07	1.03E-06	9.3E-05	0.3410
02-Aug	23:04:00	198.30	77.10	41	25	30.38	-37.17	30.577	2.3%	1.4	0.067	1033.052	0.6720	0.6650	0.3325	0.78	0.9922	0.0052	9.81	0.9019	10.68	0.9171	43.5	48.7	5.0E-07	1.01E-06	9.0E-05	0.3411
02-Aug	23:06:00	198.30	77.10	41	25	30.38	-37.13	30.574	2.3%	1.4	0.067	1033.724	0.6720	0.6650	0.3325	0.78	0.9922	0.0052	9.79	0.9021	10.66	0.9168	43.5	48.7	5.0E-07	1.01E-06	9.0E-05	0.3412
02-Aug	23:08:00	198.20	77.00	43	25	30.39	-37.10	30.571	2.3%	1.4	0.067	1034.396	0.6720	0.6651	0.3326	0.77	0.9923	0.0052	9.76	0.9024	10.63	0.9166	45.6	51.0	5.3E-07	1.06E-06	9.5E-05	0.3413
02-Aug	23:10:00	198.40	77.00	48	25	30.37	-37.07	30.568	2.3%	1.4	0.067	1035.068	0.6720	0.6651	0.3326	0.77	0.9923	0.0052	9.74	0.9026	10.60	0.9166	50.9	56.9	5.9E-07	1.18E-06	1.1E-04	0.3414
02-Aug	23:12:00	198.60	76.90	47	25	30.39	-37.03	30.565	2.2%	1.4	0.066	1035.740	0.6720	0.6652	0.3326	0.77	0.9923	0.0052	9.71	0.9029	10.58	0.9168	49.8	55.7	5.8E-07	1.16E-06	1.0E-04	0.3415
02-Aug	23:14:00	198.40	76.90	43	25	30.39	-37.00	30.562	2.2%	1.4	0.066	1036.412	0.6720	0.6653	0.3326	0.77	0.9923	0.0052	9.69	0.9031	10.55	0.9163	45.6	51.0	5.3E-07	1.06E-06	9.5E-05	0.3416
02-Aug	23:16:00	198.60	76.90	42	25	30.39	-36.97	30.559	2.2%	1.4	0.066	1037.084	0.6720	0.6653	0.3326	0.77	0.9923	0.0052	9.66	0.9034	10.53	0.9164	44.5	49.8	5.2E-07	1.03E-06	9.2E-05	0.3417
02-Aug	23:18:00	198.30	76.90	43	25	30.35	-36.93	30.556	2.2%	1.4	0.066	1037.756	0.6720	0.6653	0.3326	0.77	0.9923	0.0052	9.64	0.9036	10.50	0.9157	45.6	50.9	5.3E-07	1.06E-06	9.4E-05	0.3418
02-Aug	23:20:00	198.60	76.90	42	28	30.36	-36.90	30.553	2.2%	1.4	0.066	1038.428	0.6720	0.6646	0.3323	0.86	0.9914	0.0058	9.70	0.9030	10.48	0.9158	44.5	49.7	5.2E-07	1.03E-06	9.2E-05	0.3419
02-Aug	23:22:00	198.60	76.90	42	30	30.37	-36.87	30.550	2.2%	1.4	0.065	1039.100	0.6720	0.6642	0.3321	0.93	0.9907	0.0062	9.73	0.9027	10.45	0.9156	44.5	49.7	5.1E-07	1.03E-06	9.2E-05	0.3419
02-Aug	23:24:00	198.70	77.00	42	28	30.36	-36.83	30.547	2.2%	1.4	0.065	1039.772	0.6720	0.6643	0.3323	0.87	0.9913	0.0058	9.66	0.9034	10.43	0.9154	44.5	49.7	5.1E-07	1.03E-06	9.2E-05	0.3420
02-Aug	23:26:00	198.60	76.90	44	24	30.35	-36.80	30.544	2.2%	1.4	0.065	1040.444	0.6720	0.6656	0.3328	0.74	0.9926	0.0050	9.51	0.9049	10.41	0.9153	46.7	52.1	5.4E-07	1.08E-06	9.7E-05	0.3421
02-Aug	23:28:00	198.60	76.70	44	25	30.36	-36.77	30.541	2.2%	1.4	0.065	1041.116	0.6720	0.6656	0.3328	0.77	0.9923	0.0051	9.51	0.9049	10.38	0.9152	46.7	52.1	5.4E-07	1.08E-06	9.7E-05	0.3422
02-Aug	23:30:00	198.60	76.80	42	24	30.34	-36.73	30.537	2.2%	1.4	0.065	1041.788	0.6720	0.6656	0.3328	0.74	0.9926	0.0050	9.47	0.9053	10.36	0.9148	44.5	49.7	5.2E-07	1.03E-06	9.2E-05	0.3423
02-Aug	23:32:00	198.60	76.70	41	23	30.36	-36.70	30.534	2.2%	1.4	0.064	1042.460	0.6720	0.6655	0.3328	0.77	0.9923	0.0051	9.47	0.9053	10.33	0.9147	43.5	48.5	5.0E-07	1.01E-06	9.0E-05	0.3424
02-Aug	23:34:00	198.60	76.80	41	24	30.31	-36.67	30.531	2.2%	1.4	0.064	1043.132	0.6720	0.6656	0.3328	0.74	0.9926	0.0050	9.42	0.9058	10.30	0.9144	43.5	48.5	5.0E-07	1.01E-06	9.0E-05	0.3425
02-Aug	23:36:00	198.40	76.80	43	24	30.36	-36.63	30.528	2.2%	1.4	0.064	1043.804	0.6720	0.6656	0.3328	0.74	0.9926	0.0050	9.40	0.9060	10.28	0.9139	45.6	50.8	5.3E-07	1.05E-06	9.4E-05	0.3426
02-Aug	23:38:00	198.60	76.80	44	24	30.35	-36.60	30.525	2.2%	1.4	0.064	1044.476	0.6720	0.6656	0.3328	0.74	0.9926	0.0050	9.37	0.9063	10.25	0.9139	46.7	52.0	5.4E-07	1.08E-06	9.6E-05	0.3427
02-Aug	23:40:00	198.60	76.80	42	24	30.33	-36.57	30.522	2.2%	1.4	0.064	1045.148	0.6720	0.6656	0.3328	0.74	0.9926	0.0050	9.35	0.9065	10.23	0.9137	44.5	49.6	5.1E-07	1.03E-06	9.2E-05	0.3428
02-Aug	23:42:00	198.60	76.70	41	25	30.36	-36.53	30.520	2.1%	1.3	0.064	1045.820	0.6720	0.6656	0.3328	0.77	0.9923	0.0051	9.35	0.9065	10.20	0.9136	45.6	50.8	5.3E-07	1.05E-06	9.4E-05	0.3429
02-Aug	23:44:00	198.40	76.60	46	25	30.32	-36.50	30.517	2.1%	1.3	0.063	1046.492	0.6720	0.6657	0.3328	0.76	0.9924	0.0051	9.33	0.9067	10.18	0.9132	48.8	54.3	5.6E-07	1.13E-06	1.0E-04	0.3430
02-Aug	23:46:00	198.40	76.60	44	25	30.35	-36.47	30.514	2.1%	1.3	0.063	1047.164	0.6720	0.6653	0.3329	0.76	0.9924	0.0051	9.30	0.9070	10.15	0.9130	46.7	51.9	5.4E-07	1.08E-06	9.6E-05	0.3431
02-Aug	23:48:00	198.40	76.70	47	25	30.33	-36.43	30.511	2.1%	1.3	0.063	1047.836	0.6720	0.6656	0.3328	0.77	0.9923	0.0051	9.28	0.9072	10.13	0.9126	49.8	55.4	5.8E-07	1.15E-06	1.0E-04	0.3432
02-Aug	23:50:00	198.40	76.70	47	25	30.34	-36.40	30.508	2.1%	1.3	0.063	1048.508	0.6720	0.6656	0.3328	0.77	0.9923	0.0051	9.26	0.9074	10.10	0.9124	49.8	55.4	5.8E-07	1.15E-06	1.0E-04	0.3433
02-Aug	23:52:00	198.60	76.60	48	25	30.33	-36.37	30.505	2.1%	1.3	0.063	1049.180	0.6720	0.6657	0.3328	0.76	0.9924	0.0051	9.23	0.9077	10.08	0.9126	50.9	56.6	5.9E-07	1.17E-06	1.1E-04	0.3434
02-Aug	23:54:00	198.60	76.50	49	25	30.31	-36.33	30.502	2.1%	1.3	0.062	1049.852	0.6720	0.6658	0.3329	0.76	0.9924	0.0051	9.21	0.9079	10.05	0.9125	52.0	57.8	6.0E-07	1.20E-06	1.1E-04	0.3435
02-Aug	23:56:00	198.60	76.50	50	25	30.31	-36.30	30.499	2.1%	1.3	0.062	1050.524	0.6720	0.6658	0.3329	0.76	0.9924	0.0051	9.18	0.9082	10.03	0.9123	53.0	58.9	6.1E-07	1.22E-06	1.1E-04	0.3436
02-Aug	23:58:00	198.60	76.50	44	25	30.32	-36.27	30.496	2.1%	1.3	0.062	1051.196	0.6720	0.6658	0.3329	0.76	0.9924	0.0051	9.16	0.9084	10.00	0.9120	46.7	51.8	5.4E-07	1.08E-06	9.6E-05	0.3437
03-Aug	00:00:00	198.30	76.40	42	25	30.31	-36.23	30.493	2.1%	1.3	0.062	1051.868	0.6720	0.6660	0.3330	0.76	0.9924	0.0051	9.14	0.9086	9.98	0.9116	44.5	49.5	5.1E-07	1.03E-06	9.2E-05	0.3438
03-Aug	00:02:00	198.30	76.30	42	25	30.32	-36.20	30.490	2.1%	1.3	0.062	1052.540	0.6720	0.6658	0.3329	0.76	0.9924	0.0051	9.12	0.9088	9.95	0.9112	44.5	49.5	5.1E-07	1.01E-06	9.2E-05	0.3439
03-Aug	00:04:00	198.60	76.40	41	29	30.34	-36.17	30.487	2.1%	1.3	0.061	1053.212	0.6720	0.6652	0.3326	0.88	0.9912	0.0059	9.20	0.9080	9.93	0.9115	43.5	48.3	5.0E-07	1.00E-06	9.0E-05	0.3440
03-Aug	00:06:00	198.40	76.50	41	24	30.33	-36.13	30.485	2.1%	1.3	0.061	1053.884	0.6720	0.6660	0.3330	0.73	0.9927	0.0049	9.04	0.9096	9.91	0.9109	43.5	48.3	5.0E-07	1.00E-06	9.0E-05	0.3441
03-Aug	00:08:00	198.60	76.50	41	28	30.33	-36.10	30.482	2.1%	1.3	0.061	1054.556	0.6720	0.6652	0.3326	0.85	0.9915	0.0057	9.13	0.9087	9.88	0.9109	43.5	48.3	5.0E-07	1.00E-06	8.9E-05	0.3442
03-Aug	00:10:00	198.70	76.50	40	24	30.33	-36.07	30.479	2.1%	1.3	0.061	1055.228	0.6720	0.6660	0.3330	0.73	0.9927	0.0049	9.00	0.9100	9.86	0.9108	42.4	47.1	4.9E-07	9.77E-07	8.7E-05	0.3443
03-Aug	00:12:00	198.40	76.40	40	24	30.35	-36.03	30.476	2.0%	1.3	0.061	1055.900	0.6720	0.6662	0.3331	0.73	0.9927	0.0049	8.97	0.9103	9.83	0.9104	42.4	47.0	4.9E-07	9.77E-07	8.7E-05	0.3443
03-Aug	00:14:00	198.40	76.40	42	25	30.35	-36.00	30.473	2.0%	1.3	0.061	1056.572	0.6720	0.6660	0.3330	0.76	0.9924	0.0051	8.98	0.9102	9.81	0.9101	44.5	49.4	5.1E-07	1.01E-06	9.2E-05	0.3444
03-Aug	00:16:00	198.30	76.30	44	25	30.34	-35.97	30.470	2.0%	1.3	0.060	1057.244	0.6720	0.6661	0.3331	0.76	0.9924	0.0051	8.95	0.9105	9.78	0.9099	46.7	51.7	5.4E-07	1.07E-06	9.6E-05	0.3445
03-Aug	00:18:00	198.40	76.40	40	25	30.34	-35.93	30.468	2.0%	1.3	0.060	1057.916	0.6720	0.6660	0.3330	0.76	0.9924	0.0051	8.93	0.9107	9.76	0.9097	42.4	47.0	4.9E-07	9.76E-07	8.7E-05	0.3446

Northwest Hardwoo
Alder
August 1-4, 1996

Y=	1.0119	
Pb=	29.9983	inHg
Pb=	101.59	kPa

Span	501.2	507	371 ppmv
Zero	0	0	-19 ppmv

DBFT	Chamber	Cm
11.18		ft³

NDDIP	x	F(x)	A	B	C	D
m	-72.03	43.80	-0.53498	0.00919	-0.00011	0.00000
n	-52.50	33.35	-0.14224	0.00326	-0.00005	
p	-29.30	30.05	-0.02546	0.00056		
q	-16.73	29.73	-0.00896			
r	0.00	29.58				

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
"Date"	"Time"	"Value" Tc F	"Value" Tm F	"Value" VOC ppmv	"Value" RH %	"Value" M lbm	dt (hrs)	Calculated Wood Mass Wm lbm	Calculated Wood Moisture %Bwc %	Wood Water Change dWw g	Wood Water Volume Vw(wood) dscf	Meter Reading cuft dVm ft³	Inlet Meter Volume Wet Vm(wet) wscf	Inlet Meter Volume Dry Vm(std) dscf	Inlet Flowrate Dry Q(std) dscf/min	Inlet Air Moisture Bws(inlet) %	Inlet Air Fraction dry mfg(inlet)	Inlet Water Volume Vw(std) dscf	Inlet Air Moisture BWS(2) %	Inlet Air Dry mfg(2)	Cumulative Chamber Moisture BWS(3) %	New Gases at Chamber Conditions Vt ft³	Cgas(wet) ppmv	Cgas(Dry) ppmv	Mgas lbm/min	lbm	lbm/Mdbft	lbm/Mdbft
AVG		361.21	299.01	78.15	25.67	14.53																						
01-Aug	09:14:00	190.43	78.55																									
03-Aug	00:20:00	198.60	76.40	41	25	30.36	-35.90	30.465	2.0%	1.3	0.060	1058.588	0.6720	0.6660	0.3330	0.76	0.9924	0.0051	8.91	0.9109	9.74	0.9097	43.5	48.2	5.0E-07	1.00E-06	8.9E-05	0.3447
03-Aug	00:22:00	198.40	76.40	41	24	30.35	-35.87	30.462	2.0%	1.3	0.060	1059.260	0.6720	0.6662	0.3331	0.73	0.9927	0.0049	8.86	0.9114	9.71	0.9092	43.5	48.1	5.0E-07	1.00E-06	8.9E-05	0.3448
03-Aug	00:24:00	198.40	76.20	43	25	30.32	-35.83	30.459	2.0%	1.3	0.060	1059.932	0.6720	0.6663	0.3331	0.75	0.9925	0.0051	8.86	0.9114	9.69	0.9093	45.6	50.5	5.2E-07	1.05E-06	9.4E-05	0.3449
03-Aug	00:26:00	198.60	76.50	41	25	30.31	-35.80	30.456	2.0%	1.3	0.060	1060.604	0.6720	0.6658	0.3329	0.76	0.9924	0.0051	8.85	0.9115	9.66	0.9089	43.5	48.1	5.0E-07	9.99E-07	8.9E-05	0.3450
03-Aug	00:28:00	198.40	76.40	40	29	30.33	-35.77	30.454	2.0%	1.3	0.059	1061.276	0.6720	0.6652	0.3326	0.88	0.9912	0.0059	8.93	0.9107	9.64	0.9086	42.4	46.9	4.9E-07	9.73E-07	8.7E-05	0.3451
03-Aug	00:30:00	198.60	76.30	40	25	30.33	-35.73	30.451	2.0%	1.3	0.059	1061.948	0.6720	0.6661	0.3331	0.76	0.9924	0.0051	8.80	0.9120	9.62	0.9088	42.4	46.9	4.9E-07	9.74E-07	8.7E-05	0.3451
03-Aug	00:32:00	198.40	76.20	41	25	30.31	-35.70	30.448	2.0%	1.3	0.059	1062.620	0.6720	0.6663	0.3331	0.75	0.9925	0.0051	8.77	0.9123	9.59	0.9084	43.5	48.1	5.0E-07	9.99E-07	8.9E-05	0.3452
03-Aug	00:34:00	198.60	76.30	41	25	30.31	-35.67	30.445	2.0%	1.2	0.059	1063.292	0.6720	0.6661	0.3331	0.76	0.9924	0.0051	8.75	0.9125	9.57	0.9083	43.5	48.1	5.0E-07	9.98E-07	8.9E-05	0.3453
03-Aug	00:36:00	198.30	76.20	41	26	30.33	-35.63	30.443	2.0%	1.2	0.059	1063.964	0.6720	0.6661	0.3330	0.78	0.9922	0.0053	8.75	0.9125	9.54	0.9079	43.5	48.1	5.0E-07	9.98E-07	8.9E-05	0.3454
03-Aug	00:38:00	198.30	76.10	41	26	30.31	-35.60	30.440	2.0%	1.2	0.058	1064.636	0.6720	0.6662	0.3331	0.78	0.9922	0.0052	8.73	0.9127	9.52	0.9078	43.5	48.0	5.0E-07	9.98E-07	8.9E-05	0.3455
03-Aug	00:40:00	198.60	76.20	45	25	30.35	-35.57	30.437	2.0%	1.2	0.058	1065.308	0.6720	0.6663	0.3331	0.75	0.9925	0.0051	8.68	0.9132	9.50	0.9078	47.7	52.7	5.5E-07	1.09E-06	9.8E-05	0.3456
03-Aug	00:42:00	198.60	76.10	41	30	30.30	-35.53	30.434	1.9%	1.2	0.058	1065.980	0.6720	0.6654	0.3327	0.90	0.9910	0.0061	8.80	0.9120	9.47	0.9078	43.5	48.0	5.0E-07	9.96E-07	8.9E-05	0.3457
03-Aug	00:44:00	198.60	76.20	40	26	30.31	-35.50	30.432	1.9%	1.2	0.058	1066.652	0.6720	0.6661	0.3330	0.78	0.9922	0.0053	8.67	0.9133	9.45	0.9074	42.4	46.8	4.9E-07	9.72E-07	8.7E-05	0.3458
03-Aug	00:46:00	198.40	76.10	40	28	30.31	-35.47	30.429	1.9%	1.2	0.058	1067.324	0.6720	0.6658	0.3329	0.84	0.9916	0.0057	8.70	0.9130	9.43	0.9071	42.4	46.8	4.9E-07	9.72E-07	8.7E-05	0.3459
03-Aug	00:48:00	198.40	76.20	40	28	30.31	-35.43	30.426	1.9%	1.2	0.058	1067.996	0.6720	0.6656	0.3328	0.84	0.9916	0.0057	8.68	0.9132	9.41	0.9067	42.4	46.8	4.9E-07	9.71E-07	8.7E-05	0.3459
03-Aug	00:50:00	198.40	76.20	41	29	30.32	-35.40	30.424	1.9%	1.2	0.057	1068.668	0.6720	0.6654	0.3327	0.87	0.9913	0.0059	8.68	0.9132	9.39	0.9065	43.5	48.0	5.0E-07	9.95E-07	8.9E-05	0.3460
03-Aug	00:52:00	198.60	76.20	43	29	30.31	-35.37	30.421	1.9%	1.2	0.057	1069.340	0.6720	0.6654	0.3327	0.87	0.9913	0.0059	8.66	0.9134	9.37	0.9065	45.6	50.3	5.2E-07	1.04E-06	9.3E-05	0.3461
03-Aug	00:54:00	198.30	76.10	43	26	30.31	-35.33	30.418	1.9%	1.2	0.057	1070.012	0.6720	0.6662	0.3331	0.78	0.9922	0.0052	8.55	0.9145	9.35	0.9061	45.6	50.3	5.2E-07	1.04E-06	9.3E-05	0.3462
03-Aug	00:56:00	198.60	76.20	41	30	30.28	-35.30	30.416	1.9%	1.2	0.057	1070.684	0.6720	0.6652	0.3326	0.90	0.9910	0.0061	8.65	0.9135	9.32	0.9061	43.5	47.9	5.0E-07	9.94E-07	8.9E-05	0.3463
03-Aug	00:58:00	198.70	76.10	43	29	30.31	-35.27	30.413	1.9%	1.2	0.057	1071.356	0.6720	0.6656	0.3328	0.87	0.9913	0.0059	8.59	0.9141	9.30	0.9062	45.6	50.3	5.2E-07	1.04E-06	9.3E-05	0.3464
03-Aug	01:00:00	198.60	76.00	45	29	30.31	-35.23	30.410	1.9%	1.2	0.057	1072.028	0.6720	0.6657	0.3329	0.87	0.9913	0.0058	8.57	0.9143	9.28	0.9060	47.7	52.6	5.5E-07	1.09E-06	9.8E-05	0.3465
03-Aug	01:02:00	198.60	76.00	41	29	30.33	-35.20	30.408	1.9%	1.2	0.056	1072.700	0.6720	0.6657	0.3329	0.87	0.9913	0.0058	8.55	0.9145	9.26	0.9058	43.5	47.9	5.0E-07	9.94E-07	8.9E-05	0.3466
03-Aug	01:04:00	198.80	76.10	44	26	30.30	-35.17	30.405	1.9%	1.2	0.056	1073.372	0.6720	0.6662	0.3331	0.78	0.9922	0.0052	8.45	0.9155	9.24	0.9057	46.7	51.4	5.3E-07	1.07E-06	9.5E-05	0.3467
03-Aug	01:06:00	198.60	76.10	46	26	30.34	-35.13	30.402	1.9%	1.2	0.056	1074.044	0.6720	0.6662	0.3331	0.78	0.9922	0.0052	8.43	0.9157	9.22	0.9052	48.8	53.7	5.6E-07	1.12E-06	1.0E-04	0.3468
03-Aug	01:08:00	198.30	76.00	45	26	30.30	-35.10	30.400	1.9%	1.2	0.056	1074.716	0.6720	0.6663	0.3332	0.78	0.9922	0.0052	8.40	0.9160	9.20	0.9054	47.7	52.5	5.5E-07	1.09E-06	9.8E-05	0.3469
03-Aug	01:10:00	198.60	76.00	41	29	30.33	-35.07	30.397	1.9%	1.2	0.056	1075.388	0.6720	0.6657	0.3329	0.87	0.9913	0.0058	8.46	0.9154	9.17	0.9050	43.5	47.9	5.0E-07	9.93E-07	8.9E-05	0.3470
03-Aug	01:12:00	198.90	76.00	43	29	30.30	-35.03	30.395	1.9%	1.2	0.056	1076.060	0.6720	0.6657	0.3329	0.87	0.9913	0.0058	8.44	0.9156	9.15	0.9052	45.6	50.2	5.2E-07	1.04E-06	9.3E-05	0.3471
03-Aug	01:14:00	198.70	76.00	44	29	30.29	-35.00	30.392	1.9%	1.2	0.055	1076.732	0.6720	0.6657	0.3329	0.87	0.9913	0.0058	8.42	0.9158	9.13	0.9047	46.7	51.3	5.3E-07	1.07E-06	9.5E-05	0.3472
03-Aug	01:16:00	198.90	76.00	44	26	30.30	-34.97	30.389	1.8%	1.2	0.055	1077.404	0.6720	0.6661	0.3332	0.78	0.9922	0.0052	8.32	0.9168	9.11	0.9047	46.7	51.3	5.3E-07	1.07E-06	9.5E-05	0.3473
03-Aug	01:18:00	198.70	76.10	43	26	30.33	-34.93	30.387	1.8%	1.2	0.055	1078.076	0.6720	0.6662	0.3331	0.78	0.9922	0.0052	8.30	0.9170	9.09	0.9041	45.6	50.1	5.2E-07	1.04E-06	9.3E-05	0.3473
03-Aug	01:20:00	198.70	76.00	42	28	30.27	-34.90	30.384	1.8%	1.2	0.055	1078.748	0.6720	0.6659	0.3330	0.84	0.9916	0.0056	8.33	0.9167	9.06	0.9040	44.5	49.0	5.1E-07	1.02E-06	9.1E-05	0.3474
03-Aug	01:22:00	198.70	76.10	41	28	30.27	-34.87	30.382	1.8%	1.2	0.055	1079.420	0.6720	0.6658	0.3329	0.84	0.9916	0.0057	8.31	0.9169	9.04	0.9037	43.5	47.8	5.0E-07	9.92E-07	8.9E-05	0.3475
03-Aug	01:24:00	198.80	75.80	42	27	30.30	-34.83	30.379	1.8%	1.2	0.055	1080.092	0.6720	0.6664	0.3332	0.80	0.9920	0.0054	8.21	0.9175	9.02	0.9041	44.5	48.9	5.1E-07	1.02E-06	9.1E-05	0.3476
03-Aug	01:26:00	198.90	75.90	41	29	30.29	-34.80	30.377	1.8%	1.2	0.054	1080.764	0.6720	0.6659	0.3329	0.87	0.9913	0.0058	8.29	0.9171	9.00	0.9039	43.5	47.8	5.0E-07	9.92E-07	8.9E-05	0.3477
03-Aug	01:28:00	198.70	75.80	43	26	30.30	-34.77	30.374	1.8%	1.1	0.054	1081.436	0.6720	0.6666	0.3333	0.77	0.9923	0.0052	8.18	0.9182	8.98	0.9035	45.6	50.1	5.2E-07	1.04E-06	9.3E-05	0.3478
03-Aug	01:30:00	198.70	75.80	45	26	30.27	-34.73	30.372	1.8%	1.1	0.054	1082.108	0.6720	0.6666	0.3333	0.77	0.9923	0.0052	8.16	0.9184	8.95	0.9033	47.7	52.4	5.4E-07	1.09E-06	9.7E-05	0.3479
03-Aug	01:32:00	198.80	75.80	47	28	30.27	-34.70	30.369	1.8%	1.1	0.054	1082.780	0.6720	0.6662	0.3331	0.83	0.9917	0.0056	8.20	0.9180	8.91	0.9033	49.8	54.7	5.7E-07	1.14E-06	1.0E-04	0.3480
03-Aug	01:34:00	198.70	75.80	44	27	30.27	-34.67	30.367	1.8%	1.1	0.054	1083.452	0.6720	0.6664	0.3332	0.80	0.9920	0.0054	8.15	0.9185	8.91	0.9029	46.7	51.2	5.3E-07	1.06E-06	9.5E-05	0.3481
03-Aug	01:36:00	198.70	75.70	47	29	30.26	-34.63	30.364	1.8%	1.1	0.054	1084.124	0.6720	0.6662	0.3331	0.86	0.9914	0.0058	8.18	0.9182	8.89	0.9029	49.8	54.7	5.7E-07	1.14E-06	1.0E-04	0.3482
03-Aug	01:38:00	198.80	75.70	51	29	30.28	-34.60	30.362	1.8%	1.1	0.053	1084.796	0.6720	0.6662	0.3331	0.86	0.9914	0.0058	8.16	0.9184	8.87	0.9028	54.1	59.3	6.2E-07	1.23E-06	1.1E-04	0.3483
03-Aug	01:40:00	198.80	75.70	43	26	30.26	-34.57	30.359	1.8%	1.1	0.053	1085.468	0.6720	0.6668	0.3334	0.77	0.9923	0.0052	8.05	0.9195	8.85	0.9026	45.6	50.0	5.2E-07	1.04E-06	9.3E-05	0.3484
03-Aug	01:42:00	198.90	75.70	44	29	30.27	-34.53	30.357	1.8%	1.1	0.053	1086.140	0.6720	0.6662	0.3331	0.86	0.9914	0.0058	8.12	0.9188	8.82	0.9025	46.7	51.2	5.3E-07	1.06E-06	9.5E-05	0.3485
03-Aug	01:44:00	198.90	75.70	44	27	30.25	-34.50	30.354	1.8%	1.1	0.053	1086.812	0.6720	0.6666	0.3333	0.80	0.9920	0.0054	8.04	0.9196	8.80	0.9023	46.7	51.2	5.3E-07	1.06E-06	9.5E-05	0.3486
03-Aug	01:46:00	198.70	75.50	44	27	30.26	-34.47	30.352	1.8%	1.1	0.053	1087.484	0.6720	0.6668	0.3334	0.80	0.9920	0.0053	8.01	0.9199	8.78	0.9022	46.7	51.1	5.3E-07	1.06E-06	9.5E-05	0.3487
03-Aug	01:48:00	198.70	75.70	42	26	30.26	-34.43	30.349	1.8%	1.1	0.053	1088.156	0.6720	0.6668	0.3334	0.77	0.9923	0.0052	7.97	0.9203	8.76	0.9017	44.5	48.8	5.1E-07	1.01E-06	9.1E-05	0.3488
03-Aug	01:50:00	198.80	75.70	41	27	30.24	-34.40	30.347	1.7%	1.1	0.052	1088.828	0.6720	0.6666	0.3333	0.80	0.9920	0.0054	7.98	0.9202	8.73	0.9016	43.5	47.6	4.9E-07	9.90E-07	8.9E-05	0.3489
03-Aug	01:52:00	198.90	75.70	41	26	30.27	-34.37	30.344	1.7%	1.1	0.052	1089.500	0.6720	0.6668	0.3334	0.77	0.9923	0.0052	7.93	0.9207	8.71	0.9015	43.5	47.6	4.9E-07	9.90E-07	8.9E-05	0.3490
03-Aug	01:54:00	198.80	75.70	41	26	30.25	-34.33	30.341	1.7%	1.1	0.052	1090.172	0.6720	0.6668	0.3334	0.77	0.9923	0.0052	7.91	0.9209	8.69	0.9012	43.5	47.6	4.9E-07	9.90E-07	8.9E-05	0.3490
03-Aug	01:56:00	198.80	75.60	41	26	30.29	-34.30	30.339	1.7%	1.1	0.052	1090.844	0.6720	0.6669	0.3335	0.77	0.9923	0.0052	7.89	0.9211	8.67	0.9012	43.5	47.6	4.9E-07	9.89E-07	8.9E-05	0.3491
03-Aug	01:58:00	198.80	75.50	41	28	30.28	-34.27	30.337	1.7%	1.1	0.052	1091.516	0.6720	0.6666	0.3333	0.83	0.9917	0.0055	7.92	0.9208	8.64	0.9011	43.5	47.6	4.9E-07	9.89E-07	8.8E-05	0.3492
03-Aug	02:00:00	198.90	75.50	40	26	30.26	-34.23	30.335	1.7%	1.1	0.051	1092.188	0.6720	0.6670	0.3335	0.77	0.9923	0.0051	7.84	0.9216	8.62	0.9010	42.4	46.4	4.8E-07	9.65E-07	8.6E-05	0.3493
03-Aug	02:02:00	198.70	75.50	42	26	30.26	-34.20	30.332	1.7%	1.1	0.051	1092.860	0.6720	0.6670	0.3335	0.77	0.9923	0.0051	7.82	0.9218	8.58	0.9006	44.5	48.7	5.1E-07	1.01E-06	9.1E-05	0.3494
03-Aug	02:04:00	198.60	75.50	44	26	30.25	-34.17	30.330	1.7%	1.1	0.051	1093.532	0.6720	0.6670	0.3335	0.77	0.9923	0.0051	7.80	0.9220	8.56	0.9002	46.7	51.0	5.3E-07	1.06E-06	9.5E-05	0.3495
03-Aug	02:06:00	198.70	75.30	41	26	30.26	-34.13	30.327	1.7%	1.1	0.051	1094.204	0.6720	0.6673	0.3337	0.76	0.9924	0.0051	7.77	0.9223	8.55	0.9005	43.5	47.5	4.9E-07	9.89E-07	8.8E-05	0.3496
03-Aug	02:08:00	198.90	75.50	43	26	30.24	-34.10	30.325	1.7%	1.1	0.051	1094.876	0.6720	0.6670	0.3335	0.77	0.9923	0.0051	7.76	0.9224	8.53	0.9003	45.6	49.8	5.2E-07	1.04E-06	9.3E-05	0.3497
03-Aug	02:10:00	198.90	75.50	44	26	30.27	-34.07	30.322	1.7%	1.1	0.051	1095.548	0.6720	0.6670	0.3335	0.77	0.9923	0.0051	7.74	0.9226	8.51	0.9001	46.7	51.0	5.3E-07	1.06E-06	9.5E-05	0.3498
03-Aug	02:12:00	198.90	75.50	41	26	30.26	-34.03	30.320	1.7%	1.1	0.051	1096.220	0.6720	0.6670	0.3335	0.77	0.9923	0.0051	7.72	0.9228	8.49	0.8999	42.4	46.3	4.8E-07	9.64E-07	8.6E-05	0.3499
03-Aug	02:14:00	198.90	75.30	41	26	30.26	-34.00	30.318	1.7%	1.1	0.051	1096.892	0.6720	0.6673	0.3337	0.76	0.9924	0.0051	7.69	0.9231	8.47	0.9000	43.5	47.5	4.9E-07	9.88E-07	8.8E-05	0.3499
03-Aug	02:16:00	198.90	75.50	41	26	30.26	-33.97	30.316	1.7%	1.1	0.050	1097.564	0.6720	0.6670	0.3335	0.77	0.9923	0.0051	7.68	0.9232	8.44	0.8995	43.5	47.5	4.9E-07	9.87E-07	8.8E-05	0.3500
03-Aug	02:18:00	198.90	75.40	41	26	30.27	-33.93	30.313	1.7%	1.1	0.050	1098.236	0.6720	0.6672	0.3336	0.76	0.9924	0.0051	7.66	0.9234	8.42	0.8994	43.5	47.5	4.9E-07	9.87E-07	8.8E-05	0.3501
03-Aug	02:20:00	199.00	75.60	41	26	30.26	-33.90	30.311	1.7%	1.1	0.050	1098.908	0.6720	0.6669	0.3335	0.77	0.9923	0.0051	7.65	0.9235	8.40	0.8991	43.5	47.5	4.9E-07	9.87E-07	8.8E-05	0.3502
03-Aug	02:22:00	198.80	75.40	41	25	30.25	-33.87	30.309	1.7%	1.1	0.050	1099.580	0.6720	0.6672	0.3336	0.76	0.9924	0.0051	7.62	0.9238	8.38	0.8989	43.5	47.4	4.9E-07	9.87E-07	8.8E-05	0.3503
03-Aug	02:24:00	198.90	75.30	41	26	30.25	-33.83	30.306	1.7%	1.1	0.050	1100.252	0.6720	0.6673	0.3337	0.76	0.9924	0.0051	7.60	0.9240	8.36	0.8990	43.5	47.4	4.9E-07	9.87E-07	8.8E-05	0.3504
03-Aug	02:26:00	199.00	75.40	42	26	30.22	-33.80	30.304	1.7%	1.1	0.050	1100.924	0.6720	0.6672	0.3336	0.76	0.9924	0.0051	7.58	0.9242	8.33	0.8988	44.5	48.6	5.1E-07	1.01E-06	9.0E-05	0.3505
03-Aug	02:28:00	198.90	75.50	42	26	30.26	-33.77	30.302	1.6%	1.0	0.049	1101.596	0.6720	0.6670	0.3335	0.77	0.9923	0.0051	7.56	0.9244	8.31	0.8985	44.5	48.6	5.0E-07	1.01E-06	9.0E-05	0.3506
03-Aug	02:30:00	198.90	75.30	46	26	30.21	-33.73	30.299	1.6%	1.0	0.049	1102.268	0.6720	0.6673	0.3336	0.76	0.9924	0.0051	7.54	0.9246	8.29	0.8984	48.8	53.2	5.5E-07	1.11E-06	9.9E-05	0.3507
03-Aug	02:32:00	198.90	75.30	44	27	30.22	-33.70	30.297	1.6%	1.0	0.049	1102.940	0.6720	0.6671	0.3336	0.79	0.9921	0.0053	7.54	0.9246	8.27	0.8983	50.9	55.5	5.8E-07	1.15E-06	1.0E-04	0.3508
03-Aug	02:34:00	199.00	75.40	41	27	30.23	-33.67	30.295	1.6%	1.0	0.049	1103.612	0.6720	0.6670	0.3335	0.79	0.9921	0.0053	7.53	0.9247	8.25	0.8980	43.5	47.4	4.9E-07	9.85E-07	8.8E-05	0.3509
03-Aug	02:36:00	199.00	75.30	41	27	30.23	-33.63	30.292	1.6%	1.0	0.049	1104.284	0.6720	0.6671	0.3336	0.79	0.9921	0.0053	7.50	0.9250	8.23	0.8980	43.5	47.4	4.9E-07	9.85E-07	8.8E-05	0.3509
03-Aug	02:38:00	198.60	75.30	41	27	30.24	-33.60	30.290	1.6%	1.0	0.049	1104.956	0.6720	0.6671	0.3336	0.79	0.9921	0.0053	7.49	0.9251	8.20	0.8975	43.5	47.4	4.9E-07	9.85E-07	8.8E-05	0.3510
03-Aug	02:40:00	198.80	75.20	41	27	30.22	-33.57	30.288	1.6%	1.0	0.049	1105.628	0.6720	0.6673	0.3336	0.79	0.9921	0.0053	7.46	0.9254	8.18	0.8975	43.5	47.3	4.9E-07	9.84E-07	8.8E-05	0.3511
03-Aug	02:42:00	198.80	75.20	41	28	30.21	-33.53	30.285	1.6%	1.0	0.048	1106.300	0.6720	0.6671	0.3336	0.82	0.9918	0.0055	7.47	0.9253	8.16	0.8973	43.5	47.3	4.9E-07	9.84E-07	8.8E-05	0.3512
03-Aug	02:44:00	198.80	75.20	40	28	30.24	-33.50	30.283	1.6%	1.0	0.048	1106.972	0.6720	0.6671	0.3336	0.82	0.9918	0.0055	7.45	0.9255	8.14	0.8971	42.4	46.2	4.8E-07	9.60E-07	8.6E-05	0.3513
03-Aug	02:46:00	198.70	75.20	41	28	30.23	-33.47	30.281	1.6%	1.0	0.048	1107.644	0.6720	0.6671	0.3335	0.82	0.9918	0.0055	7.43	0.9257	8.12	0.8968	43.5	47.3	4.9E-07	9.84E-07	8.8E-05	0.3514
03-Aug	02:48:00	198.70	75.10	41	28	30.22	-33.43	30.279	1.6%	1.0	0.048	1108.316	0.6720	0.6672	0.3336	0.81	0.9919	0.0055	7.41	0.9259	8.10	0.8968	43.5	47.3	4.9E-07	9.84E-07	8.8E-05	0.3515
03-Aug	02:50:00	198.90	75.20	40	28	30.28	-33.40	30.277	1.6%	1.0	0.048	1108.988	0.6720	0.6671	0.3335	0.82	0.9918	0.0055	7.39	0.9261	8.08	0.8967	42.4	46.1	4.8E-07	9.59E-07	8.6E-05	0.3516
03-Aug	02:52:00	198.70	75.00	41	28	30.20	-33.37	30.274	1.6%	1.0	0.048	1109.660	0.6720	0.6674	0.3337	0.81	0.9919	0.0055	7.37	0.9263	8.06	0.8966	43.5	47.3	4.9E-07	9.84E-07	8.8E-05	0.3516
03-Aug	02:54:00	198.70	75.00	40	28	30.21	-33.33	30.272	1.6%	1.0	0.047	1110.332	0.6720	0.6674	0.3337	0.81	0.9919	0.0055	7.35	0.9265	8.04	0.8964	42.4	46.1	4.8E-07	9.59E-07	8.6E-05	0.3517
03-Aug	02:56:00	198.80	74.90	41	28	30.22	-33.30	30.270	1.6%	1.0	0.047	1111.004	0.6720	0.6676	0.3338	0.81	0.9919	0.0054	7.32	0.9268	8.02	0.8962	43.5	47.3	4.9E-07	9.83E-07	8.8E-05	0.3518
03-Aug	02:58:00	198.80	74.90	41	28	30.22	-33.27	30.268	1.6%	1.0	0.047	1111.676	0.6720	0.6675	0.3338	0.81	0.9919	0.0055	7.31	0.9269	8.00	0.8963	43.5	47.2	4.9E-07	9.83E-07	8.8E-05	0.3519
03-Aug	03:00:00	198.60	75.00	41	29	30.19	-33.23	30.266	1.6%	1.0	0.047	1112.348	0.6720	0.6674	0.3337	0.84	0.9916	0.0057	7.29	0.9271	7.98	0.8957	43.5	47.2	4.9E-07	9.83E-07	8.8E-05	0.3520
03-Aug	03:02:00	198.80	75.00	43	29	30.19	-33.20	30.263	1.6%	1.0	0.047	1113.020	0.6720	0.6672	0.3336	0.84	0.9916	0.0057	7.30	0.9270	7.96	0.8953	45.6	49.5	5.2E-07	1.03E-06	9.2E-05	0.3521
03-Aug	03:04:00	198.90	75.00	44	29	30.19	-33.17	30.261	1.6%	1.0	0.047	1113.692	0.6720	0.6674	0.3337	0.83	0.9919	0.0055	7.25	0.9275	7.94	0.8957	46.7	50.7	5.3E-07	1.05E-06	9.4E-05	0.3522
03-Aug	03:06:00	198.70	74.90	44	29	30.22	-33.13	30.259	1.5%	1.0	0.047	1114.364	0.6720	0.6673	0.3337	0.84	0.9916	0.0056	7.26	0.9274	7.92	0.8954	46.7	50.7	5.3E-07	1.05E-06	9.4E-05	0.3523
03-Aug	03:08:00	198.70	74.90	42	29	30.22	-33.10	30.257	1.5%	1.0	0.046	1115.036	0.6720	0.6673	0.3337	0.84	0.9916	0.0056	7.24	0.9276	7.90	0.8953	44.5	48.4	5.0E-07	1.01E-06	9.0E-05	0.3524
03-Aug	03:10:00	198.80	74.70	44	29	30.20	-33.07	30.255	1.5%	1.0	0.046	1115.708	0.6720	0.6676	0.3338	0.83	0.9917	0.0056	7.21	0.9279	7.88	0.8955	46.7	50.6	5.3E-07	1.05E-06	9.4E-05	0.3525
03-Aug	03:12:00	198.70	74.80	41	29	30.20	-33.03	30.253	1.5%	1.0	0.046	1116.380	0.6720	0.6675	0.3337	0.83	0.9917	0.0056	7.20	0.9280	7.86	0.8951	43.5	47.2	4.9E-07	9.82E-07	8.8E-05	0.3525
03-Aug	03:14:00	198.60	74.90	40	29	30.20	-33.00	30.250	1.5%	1.0	0.046	1117.052	0.6720	0.6673	0.3337	0.84	0.9916	0.0056	7.18	0.9282	7.85	0.8950	42.4	46.0	4.8E-07	9.57E-07	8.6E-05	0.3526
03-Aug	03:16:00	198.90	74.70	44	29	30.20	-32.97	30.248	1.5%	1.0	0.046	1117.724	0.6720	0.6676	0.3338	0.83	0.9917	0.0056	7.16	0.9284	7.83	0.8951	46.7	50.6	5.3E-07	1.05E-06	9.4E-05	0.3527
03-Aug	03:18:00	198.90	74.70	44	29	30.21	-32.93	30.246	1.5%	1.0	0.046	1118.396	0.6720	0.6676	0.3338	0.83	0.9917	0.0056	7.14	0.9286	7.81	0.8948	46.7	50.6	5.3E-07	1.05E-06	9.4E-05	0.3528
03-Aug	03:20:00	198.80	74.80	41	28	30.21	-32.90	30.244	1.5%	1.0	0.046	1119.068	0.6720	0.6677	0.3338	0.81	0.9919	0.0054	7.09	0.9291	7.79	0.8943	43.5	47.1	4.9E-07	9.81E-07	8.8E-05	0.3529
03-Aug	03:22:00	198.70	74.80	41	28	30.19	-32.87	30.242	1.5%	1.0	0.045	1119.740	0.6720	0.6676	0.3338	0.81	0.9919	0.0054	7.08	0.9292	7.77	0.8941	43.5	47.1	4.9E-07	9.81E-07	8.8E-05	0.3530
03-Aug	03:24:00	198.60	74.60	41	28	30.21	-32.83	30.240	1.5%	1.0	0.045	1120.412	0.6720	0.6679	0.3340	0.80	0.9920	0.0054	7.05	0.9295	7.75	0.8942	43.5	47.1	4.9E-07	9.81E-07	8.8E-05	0.3531
03-Aug	03:26:00	198.90	74.70	42	28	30.20	-32.80	30.238	1.5%	1.0	0.045	1121.084	0.6720	0.6678	0.3339	0.80	0.9920	0.0054	7.04	0.9296	7.73	0.8942	44.5	48.2	5.0E-07	1.00E-06	9.0E-05	0.3532
03-Aug	03:28:00	198.70	74.70	44	29	30.20	-32.77	30.236	1.5%	1.0	0.045	1121.756	0.6720	0.6676	0.3338	0.83	0.9917	0.0056	7.04	0.9296	7.71	0.8938	46.7	50.5	5.3E-07	1.05E-06	9.4E-05	0.3533
03-Aug	03:30:00	198.70	74.80	41	29	30.19	-32.73	30.233	1.5%	1.0	0.045	1122.428	0.6720	0.6675	0.3337	0.83	0.9917	0.0056	7.03	0.9297	7.69	0.8934	43.5	47.1	4.9E-07	9.80E-07	8.8E-05	0.3534
03-Aug	03:32:00	198.80	74.70	41	29	30.20	-32.70	30.231	1.5%	0.9	0.045	1123.100	0.6720	0.6676	0.3338	0.83	0.9917	0.0056	7.01	0.9299	7.67	0.8936	43.5	47.1	4.9E-07	9.80E-07	8.8E-05	0.3534
03-Aug	03:34:00	198.80	74.70	41	29	30.18	-32.67	30.229	1.5%	0.9	0.045	1123.772	0.6720	0.6676	0.3338	0.83	0.9917	0.0056	6.99	0.9301	7.65	0.8934	43.5	47.1	4.9E-07	9.80E-07	8.8E-05	0.3535
03-Aug	03:36:00	198.70	74.70	41	29	30.18	-32.63	30.227	1.5%	0.9	0.044	1124.444	0.6720	0.6676	0.3338	0.83	0.9917	0.0056	6.97	0.9303	7.63	0.8931	43.5	47.1	4.9E-07	9.79E-07	8.8E-05	0.3536
03-Aug	03:38:00	198.80	74.70	46	29	30.20	-32.60	30.225	1.5%	0.9	0.044	1125.116	0.6720	0.6676	0.3338	0.83	0.9917	0.0056	6.95	0.9305	7.61	0.8930	48.8	52.8	5.5E-07	1.10E-06	9.8E-05	0.3537
03-Aug	03:40:00	198.90	74.80	46	29	30.18	-32.57	30.223	1.5%	0.9	0.044	1125.788	0.6720	0.6675	0.3337	0.83	0.9917	0.0056	6.94	0.9306	7.59	0.8928	48.8	52.8	5.5E-07	1.10E-06	9.8E-05	0.3538
03-Aug	03:42:00	198.80	74.70	45	29	30.18	-32.53	30.221	1.5%	0.9	0.044	1126.460	0.6720	0.6676	0.3338	0.83	0.9917	0.0056	6.92	0.9308	7.57	0.8927	47.7	51.6	5.4E-07	1.07E-06	9.6E-05	0.3539
03-Aug	03:44:00	198.90	74.70	46	29	30.16	-32.50	30.219	1.5%	0.9	0.044	1127.132	0.6720	0.6676	0.3338	0.83	0.9917	0.0056	6.90	0.9310	7.55	0.8926	48.8	52.8	5.5E-07	1.10E-06	9.8E-05	0.3540
03-Aug	03:46:00	198.90	74.60	46	29	30.14	-32.47	30.217	1.5%	0.9	0.044	1127.804	0.6720	0.6677	0.3339	0.83	0.9917	0.0056	6.88	0.9312	7.54	0.8926	48.8	52.7	5.5E-07	1.10E-06	9.8E-05	0.3541
03-Aug	03:48:00	198.70	74.60	46	29	30.16	-32.43	30.215	1.4%	0.9	0.044	1128.476	0.6720	0.6677	0.3339	0.83	0.9917	0.0056	6.86	0.9314	7.52	0.8922	48.8	52.7	5.5E-07	1.10E-06	9.8E-05	0.3542
03-Aug	03:50:00	198.70	74.60	48	29	30.15	-32.40	30.213	1.4%	0.9	0.043	1129.148	0.6720	0.6677	0.3339	0.83	0.9917	0.0056	6.84	0.9316	7.50	0.8920	50.9	55.0	5.7E-07	1.15E-06	1.0E-04	0.3543
03-Aug	03:52:00	198.70	74.60	44	28	30.17	-32.37	30.211	1.4%	0.9	0.043	1129.820	0.6720	0.6679	0.3340	0.80	0.9920	0.0054	6.80	0.9320	7.48	0.8918	46.7	50.4	5.2E-07	1.05E-06	9.4E-05	0.3544
03-Aug	03:54:00	198.70	74.50	44	28	30.14	-32.33	30.209	1.4%	0.9	0.043	1130.492	0.6720	0.6681	0.3340	0.80	0.9920	0.0054	6.77	0.9323	7.46	0.8918	46.7	50.4	5.2E-07	1.05E-06	9.4E-05	0.3545
03-Aug	03:56:00	198.60	74.50	48	28	30.16	-32.30	30.207	1.4%	0.9	0.043	1131.164	0.6720	0.6681	0.3340	0.80	0.9920	0.0054	6.76	0.9324	7.44	0.8915	50.9	55.0	5.7E-07	1.15E-06	1.0E-04	0.3546
03-Aug	03:58:00	198.70	74.70	49	29	30.12	-32.27	30.205	1.4%	0.9	0.043	1131.836	0.6720	0.6676	0.3338	0.83	0.9917	0.0056	6.77	0.9323	7.42	0.8912	52.0	56.1	5.8E-07	1.17E-06	1.0E-04	0.3547
03-Aug	04:00:00	198.70	74.50	52	28	30.12	-32.23	30.203	1.4%	0.9	0.043	1132.508	0.6720	0.6681	0.3340	0.80	0.9920	0.0054	6.72	0.9328	7.40	0.8913	55.1	59.5	6.2E-07	1.24E-06	1.1E-04	0.3548
03-Aug	04:02:00	198.60	74.40	55	29	30.14	-32.20	30.201	1.4%	0.9	0.043	1133.180	0.6720	0.6680	0.3340	0.82	0.9918	0.0055	6.73	0.9327	7.38	0.8912	58.3	63.0	6.6E-07	1.31E-06	1.2E-04	0.3549
03-Aug	04:04:00	198.80	74.50	47	29	30.16	-32.17	30.199	1.4%	0.9	0.042	1133.852	0.6720	0.6679	0.3339	0.83	0.9917	0.0056	6.71	0.9329	7.36	0.8911	49.8	53.8	5.6E-07	1.12E-06	1.0E-04	0.3550
03-Aug	04:06:00	198.70	74.40	46	29	30.13	-32.13	30.197	1.4%	0.9	0.042	1134.524	0.6720	0.6680	0.3340	0.82	0.9918	0.0055	6.69	0.9331	7.34	0.8910	48.8	52.6	5.5E-07	1.10E-06	9.8E-05	0.3551
03-Aug	04:08:00	198.70	74.30	44	29	30.14	-32.10	30.195	1.4%	0.9	0.042	1135.196	0.6720	0.6682	0.3341	0.82	0.9918	0.0055	6.67	0.9333	7.33	0.8910	46.7	50.3	5.2E-07	1.05E-06	9.4E-05	0.3552
03-Aug	04:10:00	198.70	74.50	44	29	30.16	-32.07	30.193	1.4%	0.9	0.042	1135.868	0.6720	0.6679	0.3339	0.83	0.9917	0.0056	6.66	0.9334	7.31	0.8905	46.7	50.3	5.2E-07	1.05E-06	9.4E-05	0.3553
03-Aug	04:12:00	198.60	74.40	43	29	30.12	-32.03	30.191	1.4%	0.9	0.042	1136.540	0.6720	0.6680	0.3340	0.82	0.9918	0.0055	6.64	0.9336	7.29	0.8903	45.6	49.2	5.1E-07	1.02E-06	9.2E-05	0.3554
03-Aug	04:14:00	198.60	74.50	43	28	30.14	-32.00	30.189	1.4%	0.9	0.042	1137.212	0.6720	0.6682	0.3341	0.80	0.9920	0.0054	6.59	0.9341	7.27	0.8902	45.6	49.2	5.1E-07	1.02E-06	9.2E-05	0.3555
03-Aug	04:16:00	198.60	74.40	44	29	30.16	-31.97	30.187	1.4%	0.9	0.042	1137.884	0.6720	0.6680	0.3340	0.82	0.9918	0.0055	6.60	0.9340	7.25	0.8900	46.7	50.3	5.2E-07	1.05E-06	9.4E-05	0.3556
03-Aug	04:18:00	198.60	74.40	44	29	30.13	-31.93	30.185	1.4%	0.9	0.042	1138.556	0.6720	0.6680	0.3340	0.82	0.9918	0.0055	6.58	0.9342	7.23	0.8898	46.7	50.3	5.2E-07	1.05E-06	9.4E-05	0.3557
03-Aug	04:20:00	198.60	74.40	44	29	30.11	-31.90	30.183	1.4%	0.9	0.041	1139.228	0.6720	0.6680	0.3340	0.82	0.9918	0.0055	6.57	0.9343	7.21	0.8897	46.7	50.3	5.2E-07	1.05E-06	9.4E-05	0.3558
03-Aug	04:22:00	198.80	74.40	44	29	30.15	-31.87	30.181	1.4%	0.9	0.041	1139.900	0.6720	0.6680	0.3340	0.82	0.9918	0.0055	6.55	0.9345	7.19	0.8898	46.7	50.3	5.2E-07	1.05E-06	9.4E-05	0.3559
03-Aug	04:24:00	198.90	74.40	44	29	30.16	-31.83	30.179	1.4%	0.9	0.041	1140.572	0.6720	0.6680	0.3340	0.82	0.9918	0.0055	6.53	0.9347	7.18	0.8897	46.7	50.3	5.2E-07	1.05E-06	9.4E-05	0.3560
03-Aug	04:26:00	198.70	74.40	44	29	30.13	-31.80	30.177	1.4%	0.9	0.041	1141.244	0.6720	0.6680	0.3340	0.82	0.9918	0.0055	6.52	0.9348	7.16	0.8893	46.7	50.2	5.2E-07	1.05E-06	9.4E-05	0.3561
03-Aug	04:28:00	198.70	74.20	46	29	30.15	-31.77	30.175	1.4%	0.9	0.041	1141.916	0.6720	0.6683	0.3342	0.82	0.9918	0.0055	6.49	0.9351	7.14	0.8895	48.8	52.5	5.5E-07	1.09E-06	9.8E-05	0.3562
03-Aug	04:30:00	198.70	74.20	48	29	30.12	-31.73	30.174	1.4%	0.9	0.041	1142.588	0.6720	0.6683	0.3342	0.82	0.9918	0.0055	6.47	0.9353	7.12	0.8893	50.9	54.8	5.7E-07	1.14E-06	1.0E-04	0.3563
03-Aug	04:32:00	198.80	74.20	44	29	30.12	-31.70	30.172	1.3%	0.9	0.041	1143.260	0.6720	0.6683	0.3342	0.82	0.9918	0.0055	6.46	0.9354	7.10	0.8893	46.7	50.2	5.2E-07	1.05E-06	9.4E-05	0.3564
03-Aug	04:34:00	198.60	74.10	44	29	30.13	-31.67	30.170	1.3%	0.9	0.040	1143.932	0.6720	0.6685	0.3342	0.82	0.9918	0.0055	6.44	0.9356	7.08	0.8890	46.7	50.2	5.2E-07	1.05E-06	9.4E-05	0.3564
03-Aug	04:36:00	198.70	74.20	44	29	30.13	-31.63	30.168	1.3%	0.9	0.040	1144.604	0.6720	0.6683	0.3342	0.82	0.9918	0.0055	6.42	0.9358	7.06	0.8888	46.7	50.2	5.2E-07	1.05E-06	9.4E-05	0.3565
03-Aug	04:38:00	198.70	74.20	44	29	30.13	-31.60	30.166	1.3%	0.9	0.040	1145.276	0.6720	0.6683	0.3342	0.82	0.9918	0.0055	6.41	0.9359	7.05	0.8886	46.7	50.2	5.2E-07	1.05E-06	9.4E-05	0.3566
03-Aug	04:40:00	199.00	74.30	44	29	30.14	-31.57	30.164	1.3%	0.9	0.040	1145.948	0.6720	0.6682	0.3341	0.82	0.9918	0.0055	6.39	0.9361	7.03	0.8887	46.7	50.2	5.2E-07	1.05E-06	9.3E-05	0.3567
03-Aug	04:42:00	198.70	74.20	44	29	30.12	-31.53	30.162	1.3%	0.8	0.040	1146.620	0.6720	0.6683	0.3342	0.82	0.9918	0.0055	6.37	0.9363	7.01	0.8883	46.7	50.2	5.2E-07	1.05E-06	9.3E-05	0.3568
03-Aug	04:44:00	198.90	74.40	44	29	30.12	-31.50	30.160	1.3%	0.8	0.040	1147.292	0.6720	0.6680	0.3340	0.82	0.9918	0.0055	6.36	0.9364	6.99	0.8881	46.7	50.2	5.2E-07	1.04E-06	9.3E-05	0.3569
03-Aug	04:46:00	198.90	74.30	46	29	30.14	-31.47	30.159	1.3%	0.8	0.040	1147.964	0.6720	0.6682	0.3341	0.82	0.9918	0.0055	6.34	0.9366	6.97	0.8881	48.8	52.4	5.5E-07	1.09E-06	9.8E-05	0.3570
03-Aug	04:48:00	198.90	74.40	45	29	30.14	-31.43	30.157	1.3%	0.8	0.040	1148.636	0.6720	0.6680	0.3340	0.82	0.9918	0.0055	6.33	0.9367	6.95	0.8878	47.7	51.3	5.3E-07	1.07E-06	9.6E-05	0.3571
03-Aug	04:50:00	198.70	74.20	47	29	30.12	-31.40	30.155	1.3%	0.8	0.039	1149.308	0.6720	0.6683	0.3342	0.82	0.9918	0.0055	6.30	0.9370	6.94	0.8877	49.8	53.5	5.6E-07	1.12E-06	1.0E-04	0.3572
03-Aug	04:52:00	198.60	74.20	47	29	30.11	-31.37	30.153	1.3%	0.8	0.039	1149.980	0.6720	0.6683	0.3342	0.82	0.9918	0.0055	6.29	0.9371	6.92	0.8874	49.8	53.5	5.6E-07	1.12E-06	1.0E-04	0.3573
03-Aug	04:54:00	198.60	74.00	54	29	30.11	-31.33	30.151	1.3%	0.8	0.039	1150.652	0.6720	0.6686	0.3343	0.81	0.9919	0.0055	6.26	0.9374	6.90	0.8875	57.3	61.5	6.4E-07	1.28E-06	1.1E-04	0.3574
03-Aug	04:56:00	198.70	74.20	44	29	30.11	-31.30	30.149	1.3%	0.8	0.039	1151.324	0.6720	0.6683	0.3342	0.82	0.9918	0.0055	6.25	0.9375	6.88	0.8872	46.7	50.1	5.2E-07	1.04E-06	9.3E-05	0.3575
03-Aug	04:58:00	198.70	74.20	44	29	30.14	-31.27	30.147	1.3%	0.8	0.039	1151.996	0.6720	0.6683	0.3342	0.82	0.9918	0.0055	6.24	0.9376	6.86	0.8870	46.7	50.1	5.2E-07	1.04E-06	9.3E-05	0.3576
03-Aug	05:00:00	198.60	74.20	44	29	30.14	-31.23	30.146	1.3%	0.8	0.039	1152.668	0.6720	0.6683	0.3342	0.82	0.9918	0.0055	6.22	0.9378	6.83	0.8867	46.7	50.1	5.2E-07	1.04E-06	9.3E-05	0.3577
03-Aug	05:02:00	198.70	74.20	43	29	30.11	-31.20	30.144	1.3%	0.8	0.039	1153.340	0.6720	0.6683	0.3342	0.82	0.9918	0.0055	6.20	0.9380	6.81	0.8867	45.6	48.9	5.1E-07	1.02E-06	9.1E-05	0.3578
03-Aug	05:04:00	198.70	74.00	46	29	30.13	-31.17	30.142	1.3%	0.8	0.039	1154.012	0.6720	0.6686	0.3341	0.81	0.9919	0.0055	6.18	0.9382	6.81	0.8869	48.8	52.3	5.5E-07	1.09E-06	9.8E-05	0.3579
03-Aug	05:06:00	198.70	74.00	45	29	30.15	-31.13	30.140	1.3%	0.8	0.038	1154.684	0.6720	0.6686	0.3343	0.81	0.9919	0.0055	6.16	0.9384	6.79	0.8870	47.7	51.2	5.3E-07	1.07E-06	9.5E-05	0.3580
03-Aug	05:08:00	198.90	74.10	45	29	30.12	-31.10	30.138	1.3%	0.8	0.038	1155.356	0.6720	0.6685	0.3342	0.82	0.9918	0.0055	6.15	0.9385	6.77	0.8867	47.7	51.2	5.3E-07	1.07E-06	9.5E-05	0.3581
03-Aug	05:10:00	198.70	74.00	50	29	30.13	-31.07	30.137	1.3%	0.8	0.038	1156.028	0.6720	0.6686	0.3343	0.81	0.9919	0.0055	6.13	0.9387	6.76	0.8864	53.0	56.9	5.9E-07	1.18E-06	1.1E-04	0.3582
03-Aug	05:12:00	198.70	74.10	44	30	30.10	-31.03	30.135	1.3%	0.8	0.038	1156.700	0.6720	0.6681	0.3341	0.84	0.9916	0.0057	6.14	0.9386	6.74	0.8861	46.7	50.0	5.2E-07	1.04E-06	9.3E-05	0.3583
03-Aug	05:14:00	198.90	74.10	44	30	30.11	-31.00	30.133	1.3%	0.8	0.038	1157.372	0.6720	0.6681	0.3341	0.84	0.9916	0.0057	6.13	0.9387	6.72	0.8862	46.7	50.0	5.2E-07	1.04E-06	9.3E-05	0.3584
03-Aug	05:16:00	198.90	74.30	44	30	30.11	-30.97	30.131	1.3%	0.8	0.038	1158.044	0.6720	0.6680	0.3340	0.85	0.9915	0.0057	6.12	0.9388	6.70	0.8857	46.7	50.0	5.2E-07	1.04E-06	9.3E-05	0.3585
03-Aug	05:18:00	198.70	74.10	44	30	30.08	-30.93	30.130	1.3%	0.8	0.038	1158.716	0.6720	0.6683	0.3341	0.84	0.9916	0.0057	6.10	0.9390	6.69	0.8856	46.7	50.0	5.2E-07	1.04E-06	9.3E-05	0.3586
03-Aug	05:20:00	198.70	74.20	44	29	30.11	-30.90	30.128	1.3%	0.8	0.038	1159.388	0.6720	0.6683	0.3342	0.82	0.9918	0.0055	6.06	0.9394	6.67	0.8851	46.7	50.0	5.2E-07	1.04E-06	9.3E-05	0.3587
03-Aug	05:22:00	198.70	74.10	44	29	30.09	-30.87	30.126	1.2%	0.8	0.037	1160.060	0.6720	0.6683	0.3342	0.82	0.9918	0.0055	6.04	0.9396	6.65	0.8853	46.7	50.0	5.2E-07	1.04E-06	9.3E-05	0.3587
03-Aug	05:24:00	198.90	74.00	44	29	30.13	-30.83	30.124	1.2%	0.8	0.037	1160.732	0.6720	0.6686	0.3341	0.81	0.9919	0.0055	6.02	0.9398	6.64	0.8856	46.7	50.0	5.2E-07	1.04E-06	9.3E-05	0.3588
03-Aug	05:26:00	198.80	74.10	48	29	30.13	-30.80	30.123	1.2%	0.8	0.037	1161.404	0.6720	0.6683	0.3342	0.82	0.9918	0.0055	6.00	0.9400	6.62	0.8852	50.9	54.5	5.7E-07	1.14E-06	1.0E-04	0.3589
03-Aug	05:28:00	198.80	73.90	52	29	30.12	-30.77	30.121	1.2%	0.8	0.037	1162.076	0.6720	0.6688	0.3344	0.81	0.9919	0.0055	5.98	0.9402	6.60	0.8853	55.1	59.0	6.2E-07	1.23E-06	1.1E-04	0.3590
03-Aug	05:30:00	198.70	74.00	47	29	30.30	-30.73	30.119	1.2%	0.8	0.037	1162.748	0.6720	0.6686	0.3345	0.81	0.9919	0.0055	5.97	0.9403	6.58	0.8849	49.8	53.3	5.6E-07	1.11E-06	9.9E-05	0.3591

Northwest Hardwoo
Alder
August 1-4, 1996

Y=	1.0119	Span	601.2	567	571 ppmv	DBFt 11.18
Pb=	29.9943 inHg	Zero	0	0	-19 ppmv	
Pb=	101.59 kPa					

C---hr	Cm
	ft³

NDOP	x	F(x)	A	B	C	D
m	-72.03	43.80	-0.33498	0.00919	-0.00011	0.00000
n	-52.50	33.35	-0.14224	0.00326	-0.00005	
o	-29.30	30.95	-0.02546	0.00056		
q	-16.73	29.73	-0.00096			
r	0.00	29.58				

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
"Date"	"Time"	"Value" Tc F	"Value" Tm F	"Value" VOC ppmv	"Value" RH %	"Value" M lbm	dt (hrs)	Calculated Wood Mass Wm lbm	Calculated Wood Moisture %Bwc %	Wood Water Change dWw #	Wood Water Volume Vw(wood) dscf	Meter Reading cuft dVm ft³	Inlet Meter Volume Wet Vm(wet) wscf	Inlet Meter Volume Dry Vm(std) dscf	Inlet Flowrate Dry Q(std) dscf/min	Inlet Air Moisture Sw(inlet) %	Inlet Air Fraction dry mf(inlet)	Inlet Water Volume Vw(std) dscf	Inlet Air Moisture BWS(2) %	Inlet Air Dry mf(2)	Cumulative Chamber Moisture BWS(3) %	New Gases at Chamber Conditions Vl ft³	Cgas(wet) ppmv	Cgas(Dry) ppmv	Mgas lbm/min	lbm	lbm/Mdbft	lbm/Mdbft
AVG		361.21	199.01	78.13	31.67	14.53																						
01-Aug	09:14:00	190.43	78.35																									
03-Aug	05:32:00	198.80	74.00	46	29	30.12	-30.70	30.117	1.2%	0.8	0.037	1163.420	0.6720	0.6686	0.3343	0.81	0.9919	0.0055	5.93	0.9403	6.56	0.8849	48.8	52.2	5.4E-07	1.09E-06	9.7E-05	0.3592
03-Aug	05:34:00	198.80	74.10	45	29	30.10	-30.67	30.116	1.2%	0.8	0.037	1164.092	0.6720	0.6686	0.3342	0.82	0.9918	0.0055	5.94	0.9406	6.55	0.8846	47.7	51.1	5.3E-07	1.06E-06	9.5E-05	0.3593
03-Aug	05:36:00	198.60	74.10	45	30	30.09	-30.63	30.114	1.2%	0.8	0.037	1164.764	0.6720	0.6683	0.3341	0.84	0.9916	0.0057	5.95	0.9405	6.53	0.8844	47.7	51.0	5.3E-07	1.06E-06	9.5E-05	0.3594
03-Aug	05:38:00	199.00	74.10	45	30	30.10	-30.60	30.112	1.2%	0.8	0.036	1165.436	0.6720	0.6685	0.3342	0.82	0.9918	0.0055	5.91	0.9409	6.51	0.8845	47.7	51.0	5.3E-07	1.06E-06	9.5E-05	0.3595
03-Aug	05:40:00	198.80	74.00	44	29	30.12	-30.57	30.111	1.2%	0.8	0.036	1166.108	0.6720	0.6686	0.3343	0.81	0.9919	0.0055	5.89	0.9411	6.50	0.8843	46.7	49.9	5.2E-07	1.04E-06	9.3E-05	0.3596
03-Aug	05:42:00	198.80	74.00	46	29	30.08	-30.53	30.109	1.2%	0.8	0.036	1166.780	0.6720	0.6685	0.3343	0.81	0.9919	0.0055	5.87	0.9413	6.48	0.8841	48.8	52.2	5.4E-07	1.09E-06	9.7E-05	0.3597
03-Aug	05:44:00	198.90	74.00	45	29	30.09	-30.50	30.107	1.2%	0.8	0.036	1167.452	0.6720	0.6686	0.3343	0.81	0.9919	0.0055	5.86	0.9414	6.46	0.8841	47.7	51.0	5.3E-07	1.06E-06	9.5E-05	0.3598
03-Aug	05:46:00	199.00	74.00	45	30	30.11	-30.47	30.106	1.2%	0.8	0.036	1168.124	0.6720	0.6684	0.3342	0.84	0.9916	0.0057	5.87	0.9413	6.44	0.8841	47.7	51.0	5.3E-07	1.06E-06	9.5E-05	0.3599
03-Aug	05:48:00	198.90	74.00	45	29	30.08	-30.43	30.104	1.2%	0.8	0.036	1168.796	0.6720	0.6686	0.3343	0.81	0.9919	0.0055	5.83	0.9417	6.43	0.8838	47.7	51.0	5.3E-07	1.06E-06	9.5E-05	0.3600
03-Aug	05:50:00	198.70	74.00	45	29	30.09	-30.40	30.102	1.2%	0.8	0.036	1169.468	0.6720	0.6686	0.3343	0.81	0.9919	0.0055	5.81	0.9419	6.41	0.8834	47.7	51.0	5.3E-07	1.06E-06	9.5E-05	0.3601
03-Aug	05:52:00	198.80	74.00	45	29	30.07	-30.37	30.101	1.2%	0.8	0.036	1170.140	0.6720	0.6686	0.3343	0.81	0.9919	0.0055	5.79	0.9421	6.39	0.8834	47.7	51.0	5.3E-07	1.06E-06	9.5E-05	0.3602
03-Aug	05:54:00	198.90	74.00	46	29	30.10	-30.33	30.099	1.2%	0.8	0.036	1170.812	0.6720	0.6686	0.3343	0.81	0.9919	0.0055	5.78	0.9422	6.38	0.8834	48.8	52.1	5.4E-07	1.09E-06	9.7E-05	0.3603
03-Aug	05:56:00	198.80	74.00	46	29	30.11	-30.30	30.097	1.2%	0.8	0.035	1171.484	0.6720	0.6685	0.3343	0.81	0.9919	0.0055	5.76	0.9424	6.36	0.8831	48.8	52.1	5.4E-07	1.09E-06	9.7E-05	0.3604
03-Aug	05:58:00	198.80	74.00	47	29	30.10	-30.27	30.096	1.2%	0.7	0.035	1172.156	0.6720	0.6686	0.3343	0.81	0.9919	0.0055	5.75	0.9425	6.34	0.8830	49.8	53.2	5.5E-07	1.11E-06	9.9E-05	0.3605
03-Aug	06:00:00	198.90	74.00	47	29	30.06	-30.23	30.094	1.2%	0.7	0.035	1172.828	0.6720	0.6686	0.3343	0.81	0.9919	0.0055	5.73	0.9427	6.33	0.8829	49.8	53.2	5.5E-07	1.11E-06	9.9E-05	0.3606
03-Aug	06:02:00	198.70	73.90	45	29	30.07	-30.20	30.092	1.2%	0.7	0.035	1173.500	0.6720	0.6687	0.3344	0.81	0.9919	0.0055	5.71	0.9429	6.31	0.8827	47.7	50.9	5.3E-07	1.06E-06	9.5E-05	0.3607
03-Aug	06:04:00	198.70	73.90	45	29	30.06	-30.17	30.091	1.2%	0.7	0.035	1174.172	0.6720	0.6687	0.3344	0.81	0.9919	0.0055	5.70	0.9430	6.29	0.8826	47.7	50.9	5.3E-07	1.06E-06	9.5E-05	0.3608
03-Aug	06:06:00	198.90	73.90	46	29	30.06	-30.13	30.089	1.2%	0.7	0.035	1174.844	0.6720	0.6687	0.3344	0.81	0.9919	0.0055	5.68	0.9432	6.27	0.8827	48.8	52.0	5.4E-07	1.08E-06	9.7E-05	0.3609
03-Aug	06:08:00	199.00	74.00	46	29	30.08	-30.10	30.087	1.2%	0.7	0.035	1175.517	0.6720	0.6686	0.3343	0.81	0.9919	0.0055	5.67	0.9433	6.26	0.8824	48.8	52.0	5.4E-07	1.08E-06	9.7E-05	0.3610
03-Aug	06:10:00	198.70	74.00	46	29	30.07	-30.07	30.086	1.2%	0.7	0.035	1176.189	0.6720	0.6687	0.3344	0.81	0.9919	0.0055	5.65	0.9435	6.24	0.8821	48.8	52.0	5.4E-07	1.08E-06	9.7E-05	0.3611
03-Aug	06:12:00	199.00	73.90	47	29	30.06	-30.03	30.084	1.2%	0.7	0.034	1176.860	0.6720	0.6687	0.3344	0.81	0.9919	0.0055	5.64	0.9436	6.22	0.8822	49.8	53.1	5.5E-07	1.11E-06	9.9E-05	0.3612
03-Aug	06:14:00	198.70	73.90	46	30	30.08	-30.00	30.083	1.1%	0.7	0.034	1177.533	0.6720	0.6685	0.3343	0.84	0.9916	0.0056	5.65	0.9435	6.21	0.8818	48.8	52.0	5.4E-07	1.08E-06	9.7E-05	0.3613
03-Aug	06:16:00	198.70	73.90	47	30	30.08	-29.97	30.081	1.1%	0.7	0.034	1178.205	0.6720	0.6685	0.3343	0.84	0.9916	0.0056	5.63	0.9437	6.19	0.8817	49.8	53.1	5.5E-07	1.11E-06	9.9E-05	0.3614
03-Aug	06:18:00	199.00	73.90	46	29	30.06	-29.93	30.079	1.1%	0.7	0.034	1178.877	0.6720	0.6687	0.3344	0.81	0.9919	0.0055	5.59	0.9441	6.18	0.8819	48.8	52.0	5.4E-07	1.08E-06	9.7E-05	0.3615
03-Aug	06:20:00	198.70	73.80	46	30	30.06	-29.90	30.078	1.1%	0.7	0.034	1179.549	0.6720	0.6687	0.3344	0.84	0.9916	0.0055	5.60	0.9440	6.16	0.8816	48.8	52.0	5.4E-07	1.08E-06	9.7E-05	0.3616
03-Aug	06:22:00	198.70	73.90	46	29	30.09	-29.87	30.076	1.1%	0.7	0.034	1180.221	0.6720	0.6687	0.3344	0.81	0.9919	0.0055	5.56	0.9444	6.14	0.8813	48.8	52.0	5.4E-07	1.08E-06	9.7E-05	0.3617
03-Aug	06:24:00	198.90	73.90	48	30	30.07	-29.83	30.075	1.1%	0.7	0.034	1180.893	0.6720	0.6686	0.3343	0.84	0.9916	0.0056	5.57	0.9443	6.13	0.8814	50.9	54.2	5.6E-07	1.13E-06	1.0E-04	0.3618
03-Aug	06:26:00	198.90	73.90	48	29	30.09	-29.80	30.073	1.1%	0.7	0.034	1181.565	0.6720	0.6687	0.3344	0.81	0.9919	0.0055	5.53	0.9447	6.11	0.8812	50.9	54.2	5.6E-07	1.13E-06	1.0E-04	0.3619
03-Aug	06:28:00	198.80	73.90	48	29	30.06	-29.77	30.071	1.1%	0.7	0.034	1182.237	0.6720	0.6687	0.3344	0.81	0.9919	0.0055	5.52	0.9448	6.09	0.8810	50.9	54.2	5.6E-07	1.13E-06	1.0E-04	0.3620
03-Aug	06:30:00	198.80	73.90	48	30	30.09	-29.73	30.070	1.1%	0.7	0.033	1182.909	0.6720	0.6686	0.3343	0.84	0.9916	0.0056	5.53	0.9447	6.08	0.8809	50.9	54.2	5.6E-07	1.13E-06	1.0E-04	0.3621
03-Aug	06:32:00	198.90	73.90	47	30	30.06	-29.70	30.068	1.1%	0.7	0.033	1183.581	0.6720	0.6686	0.3343	0.84	0.9916	0.0056	5.51	0.9449	6.06	0.8808	49.8	53.0	5.5E-07	1.11E-06	9.9E-05	0.3622
03-Aug	06:34:00	198.60	73.90	52	30	30.06	-29.67	30.067	1.1%	0.7	0.033	1184.253	0.6720	0.6686	0.3343	0.84	0.9916	0.0056	5.50	0.9450	6.05	0.8803	55.1	58.7	6.1E-07	1.22E-06	1.1E-04	0.3623
03-Aug	06:36:00	198.80	73.90	54	30	30.07	-29.63	30.065	1.1%	0.7	0.033	1184.925	0.6720	0.6686	0.3343	0.84	0.9916	0.0056	5.48	0.9452	6.03	0.8804	57.3	60.9	6.3E-07	1.27E-06	1.1E-04	0.3624
03-Aug	06:38:00	198.60	73.90	56	30	30.04	-29.60	30.064	1.1%	0.7	0.033	1185.597	0.6720	0.6686	0.3343	0.84	0.9916	0.0056	5.47	0.9453	6.02	0.8800	59.4	63.2	6.6E-07	1.32E-06	1.2E-04	0.3625
03-Aug	06:40:00	198.80	73.90	57	29	30.04	-29.57	30.062	1.1%	0.7	0.033	1186.269	0.6720	0.6688	0.3344	0.81	0.9919	0.0055	5.43	0.9457	6.00	0.8802	60.4	64.3	6.7E-07	1.34E-06	1.2E-04	0.3626
03-Aug	06:42:00	199.00	73.90	58	29	30.03	-29.53	30.061	1.1%	0.7	0.033	1186.941	0.6720	0.6687	0.3344	0.81	0.9919	0.0055	5.41	0.9459	5.98	0.8800	61.5	65.4	6.8E-07	1.36E-06	1.2E-04	0.3627
03-Aug	06:44:00	198.90	73.90	61	29	30.05	-29.50	30.059	1.1%	0.7	0.033	1187.613	0.6720	0.6687	0.3344	0.81	0.9919	0.0055	5.40	0.9460	5.97	0.8800	64.7	68.8	7.2E-07	1.43E-06	1.3E-04	0.3629
03-Aug	06:46:00	198.70	73.90	55	29	30.00	-29.47	30.058	1.1%	0.7	0.032	1188.285	0.6720	0.6688	0.3344	0.81	0.9919	0.0055	5.38	0.9462	5.95	0.8796	58.3	62.0	6.5E-07	1.29E-06	1.2E-04	0.3630
03-Aug	06:48:00	199.00	74.00	55	29	30.03	-29.43	30.056	1.1%	0.7	0.032	1188.957	0.6720	0.6686	0.3343	0.81	0.9919	0.0055	5.37	0.9463	5.93	0.8797	58.3	62.0	6.5E-07	1.29E-06	1.2E-04	0.3631
03-Aug	06:50:00	198.90	73.90	54	29	29.99	-29.40	30.055	1.1%	0.7	0.032	1189.629	0.6720	0.6687	0.3344	0.81	0.9919	0.0055	5.36	0.9464	5.92	0.8796	57.3	60.9	6.3E-07	1.27E-06	1.1E-04	0.3632
03-Aug	06:52:00	198.70	73.70	53	29	30.02	-29.37	30.053	1.1%	0.7	0.032	1190.301	0.6720	0.6690	0.3345	0.80	0.9920	0.0054	5.33	0.9467	5.90	0.8795	56.2	59.7	6.2E-07	1.25E-06	1.1E-04	0.3633
03-Aug	06:54:00	198.80	73.80	55	29	30.02	-29.33	30.051	1.1%	0.7	0.032	1190.973	0.6720	0.6687	0.3344	0.81	0.9919	0.0055	5.33	0.9467	5.89	0.8792	58.3	62.0	6.5E-07	1.29E-06	1.2E-04	0.3634
03-Aug	06:56:00	198.80	73.90	57	29	30.02	-29.30	30.050	1.1%	0.7	0.032	1191.645	0.6720	0.6688	0.3344	0.81	0.9919	0.0055	5.31	0.9469	5.87	0.8791	60.4	64.2	6.7E-07	1.34E-06	1.2E-04	0.3636
03-Aug	06:58:00	198.60	73.90	53	29	30.03	-29.27	30.049	1.1%	0.7	0.032	1192.317	0.6720	0.6687	0.3344	0.81	0.9919	0.0055	5.30	0.9470	5.85	0.8787	56.2	59.7	6.2E-07	1.24E-06	1.1E-04	0.3637
03-Aug	07:00:00	199.00	74.00	53	29	30.02	-29.23	30.047	1.1%	0.7	0.032	1192.989	0.6720	0.6686	0.3343	0.81	0.9919	0.0055	5.29	0.9471	5.84	0.8789	56.2	59.7	6.2E-07	1.24E-06	1.1E-04	0.3638
03-Aug	07:02:00	198.70	73.90	53	29	30.02	-29.20	30.046	1.1%	0.7	0.032	1193.661	0.6720	0.6688	0.3344	0.81	0.9919	0.0055	5.27	0.9473	5.82	0.8786	56.2	59.7	6.2E-07	1.24E-06	1.1E-04	0.3639
03-Aug	07:04:00	198.80	73.90	51	30	29.99	-29.17	30.044	1.1%	0.7	0.032	1194.333	0.6720	0.6686	0.3343	0.84	0.9916	0.0056	5.28	0.9472	5.81	0.8785	54.1	57.4	6.0E-07	1.20E-06	1.0E-04	0.3640
03-Aug	07:06:00	199.00	73.90	50	29	29.98	-29.13	30.043	1.1%	0.7	0.032	1195.005	0.6720	0.6687	0.3344	0.81	0.9919	0.0055	5.24	0.9476	5.79	0.8787	53.0	56.3	5.9E-07	1.17E-06	1.0E-04	0.3641
03-Aug	07:08:00	198.70	73.70	50	29	30.04	-29.10	30.041	1.1%	0.7	0.031	1195.677	0.6720	0.6690	0.3345	0.80	0.9920	0.0054	5.22	0.9478	5.78	0.8785	53.0	56.3	5.9E-07	1.17E-06	1.0E-04	0.3642
03-Aug	07:10:00	198.70	73.90	50	29	30.05	-29.07	30.040	1.0%	0.7	0.031	1196.349	0.6720	0.6687	0.3344	0.81	0.9919	0.0055	5.21	0.9479	5.76	0.8780	53.0	56.3	5.9E-07	1.17E-06	1.0E-04	0.3643
03-Aug	07:12:00	198.80	73.90	49	29	30.02	-29.03	30.038	1.0%	0.7	0.031	1197.021	0.6720	0.6688	0.3344	0.81	0.9919	0.0055	5.20	0.9480	5.75	0.8780	52.0	55.1	5.7E-07	1.15E-06	1.0E-04	0.3644
03-Aug	07:14:00	198.80	73.90	50	29	30.03	-29.00	30.037	1.0%	0.7	0.031	1197.693	0.6720	0.6688	0.3344	0.81	0.9919	0.0055	5.18	0.9482	5.73	0.8779	53.0	56.2	5.9E-07	1.17E-06	1.0E-04	0.3645
03-Aug	07:16:00	198.70	73.90	48	30	30.05	-28.97	30.035	1.0%	0.7	0.031	1198.365	0.6720	0.6686	0.3343	0.84	0.9916	0.0056	5.20	0.9480	5.71	0.8776	50.9	54.0	5.6E-07	1.12E-06	1.0E-04	0.3646
03-Aug	07:18:00	198.80	73.90	49	30	30.00	-28.93	30.034	1.0%	0.7	0.031	1199.037	0.6720	0.6686	0.3343	0.84	0.9916	0.0056	5.18	0.9482	5.70	0.8776	52.0	55.1	5.7E-07	1.15E-06	1.0E-04	0.3647
03-Aug	07:20:00	198.80	73.90	49	29	30.01	-28.90	30.032	1.0%	0.7	0.031	1199.709	0.6720	0.6687	0.3344	0.81	0.9919	0.0055	5.14	0.9486	5.69	0.8773	52.0	55.1	5.7E-07	1.15E-06	1.0E-04	0.3648
03-Aug	07:22:00	198.70	73.90	50	30	30.00	-28.87	30.031	1.0%	0.7	0.031	1200.381	0.6720	0.6687	0.3344	0.81	0.9919	0.0055	5.13	0.9487	5.67	0.8772	53.0	56.2	5.9E-07	1.17E-06	1.0E-04	0.3649
03-Aug	07:24:00	198.90	73.90	50	29	30.04	-28.83	30.030	1.0%	0.6	0.031	1201.053	0.6720	0.6688	0.3344	0.81	0.9919	0.0055	5.11	0.9489	5.65	0.8774	53.0	56.2	5.9E-07	1.17E-06	1.0E-04	0.3650
03-Aug	07:26:00	198.90	74.00	50	29	29.97	-28.80	30.028	1.0%	0.6	0.030	1201.725	0.6720	0.6686	0.3343	0.81	0.9919	0.0055	5.10	0.9490	5.64	0.8771	53.0	56.2	5.9E-07	1.17E-06	1.0E-04	0.3651
03-Aug	07:28:00	198.80	73.90	49	29	30.02	-28.77	30.027	1.0%	0.6	0.030	1202.397	0.6720	0.6688	0.3344	0.81	0.9919	0.0055	5.09	0.9491	5.62	0.8770	52.0	55.1	5.7E-07	1.15E-06	1.0E-04	0.3652
03-Aug	07:30:00	198.80	73.90	50	29	30.04	-28.73	30.025	1.0%	0.6	0.030	1203.069	0.6720	0.6686	0.3343	0.81	0.9919	0.0055	5.08	0.9492	5.61	0.8767	53.0	56.2	5.9E-07	1.17E-06	1.0E-04	0.3654
03-Aug	07:32:00	198.70	73.90	49	30	30.02	-28.70	30.024	1.0%	0.6	0.030	1203.741	0.6720	0.6686	0.3343	0.84	0.9916	0.0056	5.09	0.9491	5.59	0.8766	52.0	55.0	5.7E-07	1.15E-06	1.0E-04	0.3655
03-Aug	07:34:00	198.60	73.90	50	30	30.02	-28.67	30.022	1.0%	0.6	0.030	1204.413	0.6720	0.6686	0.3343	0.84	0.9916	0.0056	5.07	0.9493	5.58	0.8764	53.0	56.1	5.9E-07	1.17E-06	1.0E-04	0.3656
03-Aug	07:36:00	198.80	73.70	50	31	30.03	-28.63	30.021	1.0%	0.6	0.030	1205.085	0.6720	0.6687	0.3343	0.86	0.9914	0.0058	5.08	0.9492	5.56	0.8763	53.0	56.1	5.9E-07	1.17E-06	1.0E-04	0.3657
03-Aug	07:38:00	198.70	73.90	50	31	30.00	-28.60	30.020	1.0%	0.6	0.030	1205.757	0.6720	0.6684	0.3342	0.87	0.9913	0.0058	5.07	0.9493	5.55	0.8762	53.0	56.1	5.8E-07	1.17E-06	1.0E-04	0.3658
03-Aug	07:40:00	198.60	73.80	50	31	30.03	-28.57	30.018	1.0%	0.6	0.030	1206.429	0.6720	0.6685	0.3343	0.86	0.9914	0.0058	5.05	0.9495	5.54	0.8761	53.0	56.1	5.8E-07	1.17E-06	1.0E-04	0.3659
03-Aug	07:42:00	198.60	73.70	50	31	30.04	-28.53	30.017	1.0%	0.6	0.030	1207.101	0.6720	0.6687	0.3343	0.86	0.9914	0.0058	5.04	0.9496	5.52	0.8762	53.0	56.1	5.8E-07	1.17E-06	1.0E-04	0.3660
03-Aug	07:44:00	198.80	73.70	50	31	30.01	-28.50	30.015	1.0%	0.6	0.030	1207.773	0.6720	0.6687	0.3343	0.86	0.9914	0.0058	5.02	0.9498	5.51	0.8763	53.0	56.1	5.8E-07	1.17E-06	1.0E-04	0.3661
03-Aug	07:46:00	198.70	73.90	50	31	30.00	-28.47	30.014	1.0%	0.6	0.029	1208.445	0.6720	0.6684	0.3342	0.87	0.9913	0.0058	5.02	0.9498	5.50	0.8757	53.0	56.1	5.8E-07	1.17E-06	1.0E-04	0.3662
03-Aug	07:48:00	198.70	73.80	50	30	29.99	-28.43	30.013	1.0%	0.6	0.029	1209.117	0.6720	0.6687	0.3344	0.84	0.9916	0.0056	4.97	0.9503	5.48	0.8758	53.0	56.1	5.8E-07	1.17E-06	1.0E-04	0.3663
03-Aug	07:50:00	198.60	73.70	51	30	30.05	-28.40	30.011	1.0%	0.6	0.029	1209.789	0.6720	0.6689	0.3344	0.83	0.9917	0.0056	4.96	0.9504	5.47	0.8757	54.1	57.2	6.0E-07	1.19E-06	1.1E-04	0.3664
03-Aug	07:52:00	198.70	73.90	50	30	30.00	-28.37	30.010	1.0%	0.6	0.029	1210.461	0.6720	0.6686	0.3343	0.84	0.9916	0.0056	4.95	0.9505	5.45	0.8754	53.0	56.1	5.8E-07	1.17E-06	1.0E-04	0.3665
03-Aug	07:54:00	198.70	73.80	50	29	30.02	-28.33	30.009	1.0%	0.6	0.029	1211.133	0.6720	0.6689	0.3345	0.81	0.9919	0.0054	4.91	0.9509	5.44	0.8754	53.0	56.1	5.8E-07	1.17E-06	1.0E-04	0.3666
03-Aug	07:56:00	198.70	73.90	53	30	30.01	-28.30	30.007	1.0%	0.6	0.029	1211.805	0.6720	0.6686	0.3343	0.84	0.9916	0.0056	4.92	0.9508	5.42	0.8751	56.2	59.4	6.2E-07	1.24E-06	1.1E-04	0.3667
03-Aug	07:58:00	198.80	73.80	52	30	30.03	-28.27	30.006	1.0%	0.6	0.029	1212.477	0.6720	0.6687	0.3344	0.84	0.9916	0.0056	4.91	0.9509	5.41	0.8753	55.1	58.3	6.1E-07	1.22E-06	1.1E-04	0.3668
03-Aug	08:00:00	198.80	73.80	51	31	30.03	-28.23	30.005	1.0%	0.6	0.029	1213.149	0.6720	0.6685	0.3343	0.86	0.9914	0.0058	4.92	0.9508	5.40	0.8752	54.1	57.2	6.0E-07	1.19E-06	1.1E-04	0.3669
03-Aug	08:02:00	198.60	73.80	53	30	30.01	-28.20	30.003	1.0%	0.6	0.029	1213.821	0.6720	0.6687	0.3344	0.84	0.9916	0.0056	4.88	0.9512	5.38	0.8748	56.2	59.4	6.2E-07	1.24E-06	1.1E-04	0.3670
03-Aug	08:04:00	198.70	74.00	51	31	30.03	-28.17	30.002	1.0%	0.6	0.029	1214.493	0.6720	0.6682	0.3341	0.87	0.9913	0.0059	4.90	0.9510	5.37	0.8745	54.1	57.1	6.0E-07	1.19E-06	1.1E-04	0.3672
03-Aug	08:06:00	199.00	74.00	51	30	30.03	-28.13	30.001	1.0%	0.6	0.028	1215.165	0.6720	0.6684	0.3342	0.84	0.9916	0.0057	4.86	0.9514	5.36	0.8748	54.1	57.1	6.0E-07	1.19E-06	1.1E-04	0.3673
03-Aug	08:08:00	198.90	74.00	50	30	30.03	-28.10	29.999	1.0%	0.6	0.028	1215.837	0.6720	0.6684	0.3342	0.84	0.9916	0.0057	4.85	0.9515	5.34	0.8745	53.0	56.0	5.8E-07	1.17E-06	1.0E-04	0.3674
03-Aug	08:10:00	198.80	73.80	50	30	30.03	-28.07	29.998	1.0%	0.6	0.028	1216.509	0.6720	0.6687	0.3344	0.84	0.9916	0.0056	4.83	0.9517	5.33	0.8746	53.0	56.0	5.8E-07	1.17E-06	1.0E-04	0.3675
03-Aug	08:12:00	198.60	73.70	51	31	30.00	-28.03	29.997	1.0%	0.6	0.028	1217.181	0.6720	0.6687	0.3343	0.86	0.9914	0.0058	4.84	0.9516	5.31	0.8743	54.1	57.1	6.0E-07	1.19E-06	1.1E-04	0.3676
03-Aug	08:14:00	198.70	73.90	50	30	30.02	-28.00	29.995	0.9%	0.6	0.028	1217.853	0.6720	0.6686	0.3343	0.84	0.9916	0.0056	4.81	0.9519	5.30	0.8740	53.0	56.0	5.8E-07	1.17E-06	1.0E-04	0.3677
03-Aug	08:16:00	198.90	73.80	51	31	30.04	-27.97	29.994	0.9%	0.6	0.028	1218.525	0.6720	0.6685	0.3343	0.86	0.9914	0.0058	4.82	0.9518	5.29	0.8743	54.1	57.1	5.9E-07	1.19E-06	1.1E-04	0.3678
03-Aug	08:18:00	198.70	73.80	51	31	30.04	-27.93	29.993	0.9%	0.6	0.028	1219.197	0.6720	0.6685	0.3343	0.86	0.9914	0.0058	4.80	0.9520	5.27	0.8739	54.1	57.1	5.9E-07	1.19E-06	1.1E-04	0.3679
03-Aug	08:20:00	199.00	73.80	51	31	30.02	-27.90	29.991	0.9%	0.6	0.028	1219.869	0.6720	0.6685	0.3343	0.86	0.9914	0.0058	4.79	0.9521	5.26	0.8742	54.1	57.1	5.9E-07	1.19E-06	1.1E-04	0.3680
03-Aug	08:22:00	198.70	73.80	50	31	30.03	-27.87	29.990	0.9%	0.6	0.028	1220.541	0.6720	0.6685	0.3343	0.86	0.9914	0.0058	4.78	0.9522	5.25	0.8737	53.0	56.0	5.8E-07	1.17E-06	1.0E-04	0.3681
03-Aug	08:24:00	199.00	73.90	50	31	30.05	-27.83	29.989	0.9%	0.6	0.028	1221.213	0.6720	0.6684	0.3342	0.87	0.9913	0.0058	4.77	0.9523	5.23	0.8738	53.0	55.9	5.8E-07	1.17E-06	1.0E-04	0.3682
03-Aug	08:26:00	198.90	73.90	51	30	30.03	-27.80	29.988	0.9%	0.6	0.028	1221.885	0.6720	0.6686	0.3343	0.84	0.9916	0.0056	4.73	0.9527	5.22	0.8736	54.1	57.1	5.9E-07	1.19E-06	1.1E-04	0.3683
03-Aug	08:28:00	198.90	73.80	62	31	30.03	-27.77	29.986	0.9%	0.6	0.027	1222.557	0.6720	0.6685	0.3343	0.86	0.9914	0.0058	4.74	0.9526	5.21	0.8736	65.7	69.3	7.2E-07	1.45E-06	1.3E-04	0.3684
03-Aug	08:30:00	198.90	73.80	67	31	30.02	-27.73	29.985	0.9%	0.6	0.027	1223.229	0.6720	0.6685	0.3343	0.86	0.9914	0.0058	4.73	0.9527	5.19	0.8735	71.0	74.9	7.8E-07	1.56E-06	1.4E-04	0.3686
03-Aug	08:32:00	198.80	73.90	60	30	30.01	-27.70	29.984	0.9%	0.6	0.027	1223.901	0.6720	0.6686	0.3343	0.84	0.9916	0.0056	4.69	0.9531	5.18	0.8731	63.6	67.1	7.0E-07	1.40E-06	1.3E-04	0.3687
03-Aug	08:34:00	198.80	73.90	52	31	30.02	-27.67	29.982	0.9%	0.6	0.027	1224.573	0.6720	0.6684	0.3342	0.87	0.9913	0.0058	4.71	0.9529	5.17	0.8730	55.1	58.1	6.1E-07	1.21E-06	1.1E-04	0.3688
03-Aug	08:36:00	198.70	73.80	51	31	30.00	-27.63	29.981	0.9%	0.6	0.027	1225.245	0.6720	0.6685	0.3343	0.86	0.9914	0.0058	4.69	0.9531	5.15	0.8729	54.1	57.0	5.9E-07	1.19E-06	1.1E-04	0.3689
03-Aug	08:38:00	199.00	73.80	51	30	30.02	-27.60	29.980	0.9%	0.6	0.027	1225.917	0.6720	0.6687	0.3344	0.84	0.9916	0.0056	4.65	0.9535	5.14	0.8732	54.1	57.0	5.9E-07	1.19E-06	1.1E-04	0.3690
03-Aug	08:40:00	198.70	73.80	52	31	30.01	-27.57	29.979	0.9%	0.6	0.027	1226.589	0.6720	0.6685	0.3343	0.86	0.9914	0.0058	4.67	0.9533	5.13	0.8727	55.1	58.1	6.1E-07	1.21E-06	1.1E-04	0.3691
03-Aug	08:42:00	198.80	73.90	51	31	29.99	-27.53	29.977	0.9%	0.6	0.027	1227.261	0.6720	0.6684	0.3342	0.87	0.9913	0.0058	4.66	0.9534	5.11	0.8726	54.1	57.0	5.9E-07	1.19E-06	1.1E-04	0.3692
03-Aug	08:44:00	198.70	73.80	52	31	30.00	-27.50	29.976	0.9%	0.6	0.027	1227.933	0.6720	0.6685	0.3343	0.86	0.9914	0.0058	4.64	0.9536	5.10	0.8724	55.1	58.1	6.1E-07	1.21E-06	1.1E-04	0.3693
03-Aug	08:46:00	198.90	73.90	53	30	30.01	-27.47	29.975	0.9%	0.6	0.027	1228.605	0.6720	0.6686	0.3343	0.84	0.9916	0.0056	4.60	0.9540	5.09	0.8724	56.2	59.2	6.2E-07	1.23E-06	1.1E-04	0.3695
03-Aug	08:48:00	198.90	73.90	52	31	30.01	-27.43	29.974	0.9%	0.6	0.027	1229.277	0.6720	0.6684	0.3342	0.87	0.9913	0.0058	4.62	0.9538	5.07	0.8723	55.1	58.1	6.1E-07	1.21E-06	1.1E-04	0.3696
03-Aug	08:50:00	199.00	73.90	52	30	29.99	-27.40	29.972	0.9%	0.6	0.026	1229.949	0.6720	0.6686	0.3343	0.84	0.9916	0.0056	4.58	0.9542	5.06	0.8723	55.1	58.1	6.1E-07	1.21E-06	1.1E-04	0.3697
03-Aug	08:52:00	199.00	73.90	53	31	29.96	-27.37	29.971	0.9%	0.6	0.026	1230.621	0.6720	0.6684	0.3342	0.87	0.9913	0.0058	4.59	0.9541	5.05	0.8722	56.2	59.2	6.2E-07	1.23E-06	1.1E-04	0.3698
03-Aug	08:54:00	198.80	73.90	51	31	29.97	-27.33	29.970	0.9%	0.6	0.026	1231.293	0.6720	0.6684	0.3342	0.87	0.9913	0.0058	4.58	0.9542	5.03	0.8719	54.1	56.9	5.9E-07	1.19E-06	1.1E-04	0.3699
03-Aug	08:56:00	198.70	73.90	53	30	29.97	-27.30	29.969	0.9%	0.6	0.026	1231.965	0.6720	0.6686	0.3343	0.84	0.9916	0.0056	4.54	0.9546	5.02	0.8716	56.2	59.2	6.2E-07	1.23E-06	1.1E-04	0.3700
03-Aug	08:58:00	198.60	73.90	53	30	29.95	-27.27	29.967	0.9%	0.6	0.026	1232.637	0.6720	0.6686	0.3343	0.84	0.9916	0.0056	4.53	0.9547	5.01	0.8714	56.2	59.2	6.2E-07	1.23E-06	1.1E-04	0.3701
03-Aug	09:00:00	198.90	74.00	53	30	29.95	-27.23	29.966	0.9%	0.6	0.026	1233.309	0.6720	0.6684	0.3342	0.84	0.9916	0.0057	4.52	0.9548	4.99	0.8715	56.2	59.2	6.2E-07	1.23E-06	1.1E-04	0.3702
03-Aug	09:02:00	198.70	74.10	53	30	29.92	-27.20	29.965	0.9%	0.5	0.026	1233.981	0.6720	0.6683	0.3341	0.84	0.9916	0.0057	4.51	0.9549	4.98	0.8710	56.2	59.1	6.2E-07	1.23E-06	1.1E-04	0.3703
03-Aug	09:04:00	198.90	74.00	53	31	29.96	-27.17	29.964	0.9%	0.5	0.026	1234.653	0.6720	0.6682	0.3341	0.87	0.9913	0.0059	4.53	0.9547	4.97	0.8713	56.2	59.1	6.2E-07	1.23E-06	1.1E-04	0.3704
03-Aug	09:06:00	198.80	74.20	53	31	29.93	-27.13	29.963	0.9%	0.5	0.026	1235.325	0.6720	0.6681	0.3341	0.85	0.9915	0.0057	4.49	0.9551	4.96	0.8707	56.2	59.1	6.2E-07	1.23E-06	1.1E-04	0.3706
03-Aug	09:08:00	198.90	74.20	54	30	29.95	-27.10	29.961	0.9%	0.5	0.026	1235.997	0.6720	0.6681	0.3341	0.85	0.9915	0.0057	4.48	0.9552	4.94	0.8708	57.3	60.2	6.3E-07	1.25E-06	1.1E-04	0.3707
03-Aug	09:10:00	198.90	74.20	53	30	29.89	-27.07	29.960	0.9%	0.5	0.026	1236.669	0.6720	0.6681	0.3341	0.85	0.9915	0.0057	4.47	0.9553	4.93	0.8706	56.2	59.1	6.2E-07	1.23E-06	1.1E-04	0.3708
03-Aug	09:12:00	198.60	74.00	53	29	29.91	-27.03	29.959	0.9%	0.5	0.025	1237.341	0.6720	0.6686	0.3343	0.81	0.9919	0.0055	4.42	0.9558	4.92	0.8704	56.2	59.1	6.2E-07	1.23E-06	1.1E-04	0.3709
03-Aug	09:14:00	198.70	74.30	53	30	29.91	-27.00	29.958	0.9%	0.5	0.025	1238.013	0.6720	0.6680	0.3340	0.85	0.9915	0.0057	4.45	0.9555	4.90	0.8700	56.2	59.1	6.2E-07	1.23E-06	1.1E-04	0.3710
03-Aug	09:16:00	198.70	74.40	53	30	29.86	-26.97	29.957	0.9%	0.5	0.025	1238.685	0.6720	0.6678	0.3339	0.85	0.9915	0.0057	4.44	0.9556	4.89	0.8697	56.2	59.1	6.2E-07	1.23E-06	1.1E-04	0.3711
03-Aug	09:18:00	198.70	74.40	53	30	29.87	-26.93	29.956	0.9%	0.5	0.025	1239.357	0.6720	0.6678	0.3339	0.85	0.9915	0.0057	4.43	0.9557	4.88	0.8696	56.2	59.1	6.1E-07	1.23E-06	1.1E-04	0.3712
03-Aug	09:20:00	198.70	74.40	53	30	29.87	-26.90	29.954	0.9%	0.5	0.025	1240.029	0.6720	0.6679	0.3339	0.85	0.9915	0.0057	4.42	0.9558	4.86	0.8695	56.2	59.1	6.1E-07	1.23E-06	1.1E-04	0.3713
03-Aug	09:22:00	198.70	74.50	53	30	29.89	-26.87	29.953	0.9%	0.5	0.025	1240.701	0.6720	0.6677	0.3338	0.85	0.9915	0.0058	4.41	0.9559	4.85	0.8693	56.2	59.1	6.1E-07	1.23E-06	1.1E-04	0.3714
03-Aug	09:24:00	198.70	74.60	53	29	29.88	-26.83	29.952	0.8%	0.5	0.025	1241.373	0.6720	0.6678	0.3339	0.83	0.9917	0.0056	4.37	0.9563	4.84	0.8690	56.1	59.1	6.1E-07	1.23E-06	1.1E-04	0.3715
03-Aug	09:26:00	198.60	74.80	54	29	29.86	-26.80	29.951	0.8%	0.5	0.025	1242.045	0.6720	0.6680	0.3340	0.82	0.9918	0.0055	4.35	0.9565	4.83	0.8691	57.3	60.2	6.3E-07	1.25E-06	1.1E-04	0.3717
03-Aug	09:28:00	198.90	74.50	54	29	29.89	-26.77	29.950	0.8%	0.5	0.025	1242.717	0.6720	0.6679	0.3339	0.83	0.9917	0.0056	4.35	0.9565	4.81	0.8691	57.3	60.2	6.3E-07	1.25E-06	1.1E-04	0.3718
03-Aug	09:30:00	198.80	74.70	53	29	29.84	-26.73	29.949	0.8%	0.5	0.025	1243.389	0.6720	0.6676	0.3338	0.83	0.9917	0.0056	4.34	0.9566	4.80	0.8687	56.2	59.0	6.1E-07	1.23E-06	1.1E-04	0.3719
03-Aug	09:32:00	198.60	74.60	54	30	29.86	-26.70	29.947	0.8%	0.5	0.025	1244.061	0.6720	0.6675	0.3338	0.86	0.9914	0.0058	4.35	0.9565	4.79	0.8684	57.3	60.1	6.3E-07	1.25E-06	1.1E-04	0.3720
03-Aug	09:34:00	198.80	74.60	54	30	29.86	-26.67	29.946	0.8%	0.5	0.025	1244.733	0.6720	0.6675	0.3338	0.86	0.9914	0.0058	4.34	0.9566	4.78	0.8686	57.3	60.1	6.3E-07	1.25E-06	1.1E-04	0.3721
03-Aug	09:36:00	198.70	74.70	53	29	29.85	-26.63	29.945	0.8%	0.5	0.024	1245.405	0.6720	0.6676	0.3338	0.83	0.9917	0.0056	4.31	0.9569	4.76	0.8682	56.2	59.0	6.1E-07	1.23E-06	1.1E-04	0.3722
03-Aug	09:38:00	198.60	74.70	53	29	29.88	-26.60	29.944	0.8%	0.5	0.024	1246.077	0.6720	0.6676	0.3338	0.83	0.9917	0.0056	4.29	0.9571	4.75	0.8680	56.2	59.0	6.1E-07	1.23E-06	1.1E-04	0.3723
03-Aug	09:40:00	198.60	74.60	54	29	29.85	-26.57	29.943	0.8%	0.5	0.024	1246.749	0.6720	0.6678	0.3339	0.83	0.9917	0.0056	4.28	0.9572	4.74	0.8680	57.3	60.1	6.3E-07	1.25E-06	1.1E-04	0.3724
03-Aug	09:42:00	198.70	74.80	54	29	29.85	-26.53	29.942	0.8%	0.5	0.024	1247.421	0.6720	0.6675	0.3337	0.83	0.9917	0.0056	4.28	0.9572	4.72	0.8677	57.3	60.1	6.3E-07	1.25E-06	1.1E-04	0.3725
03-Aug	09:44:00	198.70	74.80	54	29	29.83	-26.50	29.941	0.8%	0.5	0.024	1248.093	0.6720	0.6675	0.3337	0.83	0.9917	0.0056	4.26	0.9574	4.71	0.8676	57.3	60.1	6.3E-07	1.25E-06	1.1E-04	0.3727
03-Aug	09:46:00	198.60	74.80	54	29	29.81	-26.47	29.939	0.8%	0.5	0.024	1248.765	0.6720	0.6675	0.3337	0.83	0.9917	0.0056	4.25	0.9575	4.70	0.8674	57.3	60.1	6.3E-07	1.25E-06	1.1E-04	0.3728
03-Aug	09:48:00	198.90	74.80	54	29	29.81	-26.43	29.938	0.8%	0.5	0.024	1249.437	0.6720	0.6675	0.3337	0.83	0.9917	0.0056	4.24	0.9576	4.69	0.8676	57.3	60.1	6.2E-07	1.25E-06	1.1E-04	0.3729
03-Aug	09:50:00	198.70	75.00	54	28	29.83	-26.40	29.937	0.8%	0.5	0.024	1250.109	0.6720	0.6672	0.3336	0.84	0.9916	0.0057	4.24	0.9576	4.67	0.8670	57.3	60.1	6.2E-07	1.25E-06	1.1E-04	0.3730
03-Aug	09:52:00	198.70	74.90	54	28	29.80	-26.37	29.936	0.8%	0.5	0.024	1250.781	0.6720	0.6675	0.3338	0.81	0.9919	0.0054	4.19	0.9581	4.66	0.8671	57.3	60.1	6.2E-07	1.25E-06	1.1E-04	0.3731
03-Aug	09:54:00	198.70	75.00	54	29	29.78	-26.33	29.935	0.8%	0.5	0.024	1251.453	0.6720	0.6672	0.3336	0.84	0.9916	0.0057	4.21	0.9579	4.65	0.8668	57.3	60.0	6.2E-07	1.25E-06	1.1E-04	0.3732
03-Aug	09:56:00	198.90	75.20	54	28	29.77	-26.30	29.934	0.8%	0.5	0.024	1252.125	0.6720	0.6671	0.3335	0.82	0.9918	0.0055	4.18	0.9582	4.64	0.8667	57.3	60.0	6.2E-07	1.25E-06	1.1E-04	0.3733
03-Aug	09:58:00	198.80	75.00	55	28	29.80	-26.27	29.933	0.8%	0.5	0.024	1252.797	0.6720	0.6674	0.3337	0.81	0.9919	0.0055	4.16	0.9584	4.62	0.8667	58.3	61.1	6.4E-07	1.27E-06	1.1E-04	0.3734
03-Aug	10:00:00	198.90	75.10	55	28	29.81	-26.23	29.932	0.8%	0.5	0.023	1253.469	0.6720	0.6672	0.3336	0.81	0.9919	0.0055	4.16	0.9584	4.61	0.8666	58.3	61.1	6.4E-07	1.27E-06	1.1E-04	0.3736
03-Aug	10:02:00	198.90	75.20	54	29	29.80	-26.20	29.931	0.8%	0.5	0.023	1254.141	0.6720	0.6669	0.3334	0.85	0.9915	0.0057	4.18	0.9582	4.60	0.8664	57.3	60.0	6.2E-07	1.25E-06	1.1E-04	0.3737
03-Aug	10:04:00	198.70	75.30	55	28	29.82	-26.17	29.930	0.8%	0.5	0.023	1254.813	0.6720	0.6669	0.3335	0.82	0.9918	0.0055	4.14	0.9586	4.59	0.8658	58.3	61.1	6.4E-07	1.27E-06	1.1E-04	0.3738
03-Aug	10:06:00	198.70	75.30	55	29	29.78	-26.13	29.928	0.8%	0.5	0.023	1255.485	0.6720	0.6667	0.3334	0.85	0.9915	0.0057	4.16	0.9584	4.57	0.8657	58.3	61.1	6.4E-07	1.27E-06	1.1E-04	0.3739
03-Aug	10:08:00	198.90	75.50	54	27	29.82	-26.10	29.927	0.8%	0.5	0.023	1256.157	0.6720	0.6669	0.3334	0.80	0.9920	0.0053	4.10	0.9590	4.56	0.8656	57.3	60.0	6.2E-07	1.25E-06	1.1E-04	0.3740
03-Aug	10:10:00	198.70	75.50	55	27	29.78	-26.07	29.926	0.8%	0.5	0.023	1256.829	0.6720	0.6668	0.3334	0.80	0.9920	0.0053	4.09	0.9591	4.55	0.8652	58.3	61.1	6.3E-07	1.27E-06	1.1E-04	0.3741
03-Aug	10:12:00	198.90	75.70	55	27	29.78	-26.03	29.925	0.8%	0.5	0.023	1257.501	0.6720	0.6666	0.3333	0.80	0.9920	0.0054	4.08	0.9592	4.54	0.8651	58.3	61.1	6.3E-07	1.27E-06	1.1E-04	0.3742
03-Aug	10:14:00	198.60	75.80	54	29	29.75	-26.00	29.924	0.8%	0.5	0.023	1258.173	0.6720	0.6660	0.3330	0.86	0.9914	0.0058	4.13	0.9587	4.52	0.8647	57.3	60.0	6.2E-07	1.24E-06	1.1E-04	0.3743
03-Aug	10:16:00	198.60	75.80	55	29	29.80	-25.97	29.923	0.8%	0.5	0.023	1258.845	0.6720	0.6660	0.3330	0.86	0.9914	0.0058	4.12	0.9588	4.51	0.8643	58.3	61.1	6.3E-07	1.27E-06	1.1E-04	0.3745
03-Aug	10:18:00	198.90	75.90	55	27	29.76	-25.93	29.922	0.8%	0.5	0.023	1259.517	0.6720	0.6663	0.3331	0.81	0.9919	0.0054	4.06	0.9594	4.50	0.8645	58.3	61.1	6.3E-07	1.27E-06	1.1E-04	0.3746
03-Aug	10:20:00	198.90	75.80	55	27	29.76	-25.90	29.921	0.8%	0.5	0.023	1260.189	0.6720	0.6664	0.3332	0.80	0.9920	0.0054	4.04	0.9596	4.49	0.8645	58.3	61.1	6.3E-07	1.27E-06	1.1E-04	0.3747
03-Aug	10:22:00	199.00	76.00	55	28	29.77	-25.87	29.920	0.8%	0.5	0.023	1260.861	0.6720	0.6659	0.3330	0.84	0.9916	0.0056	4.07	0.9593	4.48	0.8643	58.3	61.0	6.3E-07	1.27E-06	1.1E-04	0.3748
03-Aug	10:24:00	198.70	76.00	55	27	29.74	-25.83	29.919	0.8%	0.5	0.023	1261.533	0.6720	0.6661	0.3331	0.81	0.9919	0.0054	4.03	0.9597	4.47	0.8638	58.3	61.0	6.3E-07	1.27E-06	1.1E-04	0.3749
03-Aug	10:26:00	198.80	76.00	56	27	29.76	-25.80	29.918	0.8%	0.5	0.022	1262.205	0.6720	0.6661	0.3331	0.81	0.9919	0.0054	4.02	0.9598	4.45	0.8638	59.4	62.1	6.5E-07	1.29E-06	1.2E-04	0.3750
03-Aug	10:28:00	198.90	76.20	56	29	29.73	-25.77	29.917	0.8%	0.5	0.022	1262.877	0.6720	0.6655	0.3327	0.87	0.9913	0.0059	4.07	0.9593	4.44	0.8635	59.4	62.1	6.4E-07	1.29E-06	1.2E-04	0.3751
03-Aug	10:30:00	198.90	76.30	56	29	29.76	-25.73	29.916	0.8%	0.5	0.022	1263.549	0.6720	0.6653	0.3326	0.88	0.9912	0.0059	4.06	0.9594	4.43	0.8633	59.4	62.1	6.4E-07	1.29E-06	1.2E-04	0.3753
03-Aug	10:32:00	199.00	76.30	57	27	29.76	-25.70	29.915	0.8%	0.5	0.022	1264.221	0.6720	0.6657	0.3329	0.82	0.9918	0.0055	3.99	0.9601	4.42	0.8633	60.4	63.2	6.6E-07	1.31E-06	1.2E-04	0.3754
03-Aug	10:34:00	199.00	76.50	56	26	29.76	-25.67	29.914	0.8%	0.5	0.022	1264.893	0.6720	0.6656	0.3328	0.79	0.9921	0.0053	3.96	0.9604	4.41	0.8629	59.4	62.1	6.4E-07	1.29E-06	1.2E-04	0.3755
03-Aug	10:36:00	199.00	76.50	57	26	29.76	-25.63	29.913	0.8%	0.5	0.022	1265.565	0.6720	0.6656	0.3328	0.79	0.9921	0.0053	3.95	0.9605	4.40	0.8628	60.4	63.2	6.6E-07	1.31E-06	1.2E-04	0.3756
03-Aug	10:38:00	199.00	76.30	56	27	29.77	-25.60	29.912	0.8%	0.5	0.022	1266.237	0.6720	0.6657	0.3329	0.82	0.9918	0.0055	3.96	0.9604	4.38	0.8630	59.4	62.1	6.4E-07	1.29E-06	1.2E-04	0.3757
03-Aug	10:40:00	199.10	76.60	57	28	29.80	-25.57	29.911	0.8%	0.5	0.022	1266.909	0.6720	0.6651	0.3325	0.86	0.9914	0.0057	3.99	0.9601	4.37	0.8626	60.4	63.2	6.6E-07	1.31E-06	1.2E-04	0.3758
03-Aug	10:42:00	199.20	76.60	57	27	29.79	-25.53	29.910	0.8%	0.5	0.022	1267.581	0.6720	0.6653	0.3326	0.83	0.9917	0.0055	3.95	0.9605	4.36	0.8626	60.4	63.2	6.6E-07	1.31E-06	1.2E-04	0.3760

Northwest Hardwood
Alder
August 1-4, 1996

Y=	1.0319		Span	401.2 367 371 ppmv	
Pb=	29.9983 inHg		Zero	0 0 -19 ppmv	
Pb=	101.59 kPa		DBFT	11.18	Chamber ft³ Crs

NDDIP	x	F(x)	A	B	C	D
m	-72.03	43.80	-0.33498	0.00919	-0.00041	0.00000
m	-52.50	33.35	-0.14224	0.00326	-0.00005	
b	-29.30	30.05	-0.02546	0.00056		
r	-16.73	29.73	-0.00396			
q	0.00	29.58				

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
"Date"	"Time"	"Value" Tc F	"Value" Tm F	"Value" VOC ppmv	"Value" RH %	"Value" M lbm	dt (hrs)	Calculated Wood Mass Wm lbm	Calculated Wood Moisture %Bwc %	Wood Water Change dWw g	Wood Water Volume Vw(wood) dscf	Meter Reading cuft dVm ft³	Inlet Meter Volume Wet Vm(wet) wscf	Inlet Meter Volume Dry Vm(std) dscf	Inlet Flowrate Dry Q(std) dscf/min	Inlet Air Moisture Bws(Inlet) %	Inlet Air Fraction dry mfg(Inlet)	Inlet Water Volume Vw(std) dscf	Inlet Air Moisture BWS(I) %	Inlet Air Dry mfg(I)	Cumulative Chamber Moisture BWS(I) %	New Gases at Chamber Conditions Vl ft³	Cgas(wet) ppmv	Cgas(Dry) ppmv	Mgas lb/min	lbs	lbm/MMbft	lbm/MMbft
AVG		361.21	297.01	38.15	23.67	14.33																						
01-Aug	09:14:00	190.43	78.55																									
03-Aug	10:44:00	199.20	76.50	57	29	29.75	-25.50	29.908	0.7%	0.5	0.022	1268.253	0.6720	0.6650	0.3325	0.88	0.9912	0.0059	4.00	0.9600	4.35	0.8627	60.4	63.2	6.5E-07	1.31E-06	1.2E-04	0.3761
03-Aug	10:46:00	199.20	76.70	56	27	29.76	-25.47	29.907	0.7%	0.5	0.022	1268.925	0.6720	0.6651	0.3326	0.83	0.9917	0.0056	3.93	0.9607	4.34	0.8623	59.4	62.1	6.4E-07	1.29E-06	1.2E-04	0.3762
03-Aug	10:48:00	199.10	76.60	57	26	29.74	-25.43	29.906	0.7%	0.5	0.022	1269.597	0.6720	0.6655	0.3327	0.79	0.9921	0.0053	3.89	0.9611	4.33	0.8622	60.4	63.2	6.6E-07	1.31E-06	1.2E-04	0.3763
03-Aug	10:50:00	199.20	76.80	57	25	29.73	-25.40	29.905	0.7%	0.5	0.022	1270.269	0.6720	0.6654	0.3327	0.77	0.9923	0.0052	3.86	0.9614	4.32	0.8620	60.4	63.2	6.5E-07	1.31E-06	1.2E-04	0.3764
03-Aug	10:52:00	199.40	76.80	58	26	29.76	-25.37	29.904	0.7%	0.5	0.021	1270.941	0.6720	0.6652	0.3326	0.80	0.9920	0.0054	3.88	0.9612	4.30	0.8621	61.5	64.3	6.7E-07	1.33E-06	1.2E-04	0.3765
03-Aug	10:54:00	199.40	76.80	57	26	29.73	-25.33	29.903	0.7%	0.5	0.021	1271.613	0.6720	0.6652	0.3326	0.80	0.9920	0.0054	3.87	0.9613	4.29	0.8621	60.4	63.1	6.5E-07	1.31E-06	1.2E-04	0.3767
03-Aug	10:56:00	199.20	76.80	57	28	29.76	-25.30	29.902	0.7%	0.5	0.021	1272.285	0.6720	0.6648	0.3324	0.86	0.9914	0.0058	3.92	0.9608	4.28	0.8617	60.4	63.1	6.5E-07	1.31E-06	1.2E-04	0.3768
03-Aug	10:58:00	199.10	76.70	57	25	29.73	-25.27	29.901	0.7%	0.5	0.021	1272.957	0.6720	0.6655	0.3328	0.77	0.9923	0.0051	3.83	0.9619	4.27	0.8616	60.4	63.1	6.5E-07	1.31E-06	1.2E-04	0.3769
03-Aug	11:00:00	199.20	76.80	57	26	29.77	-25.23	29.900	0.7%	0.4	0.021	1273.629	0.6720	0.6652	0.3326	0.80	0.9920	0.0054	3.84	0.9616	4.26	0.8615	60.4	63.1	6.5E-07	1.31E-06	1.2E-04	0.3770
03-Aug	11:02:00	199.20	76.80	57	26	29.77	-25.20	29.899	0.7%	0.4	0.021	1274.301	0.6720	0.6648	0.3324	0.86	0.9914	0.0058	3.85	0.9612	4.24	0.8614	60.4	63.1	6.5E-07	1.31E-06	1.2E-04	0.3771
03-Aug	11:04:00	199.20	76.80	58	26	29.73	-25.17	29.899	0.7%	0.4	0.021	1274.973	0.6720	0.6652	0.3326	0.80	0.9920	0.0054	3.82	0.9618	4.23	0.8613	61.5	64.2	6.7E-07	1.31E-06	1.2E-04	0.3772
03-Aug	11:05:00											1275.309																
03-Aug	11:06:00	199.30	76.90	57	25	29.73	-25.13	29.898	0.7%	0.4	0.021	1275.638	0.6647	0.6581	0.3290	0.77	0.9923	0.0051	3.81	0.9619	4.22	0.8522	60.4	63.1	6.5E-07	1.29E-06	1.2E-04	0.3774
03-Aug	11:08:00	199.40	76.90	58	25	29.69	-25.10	29.897	0.7%	0.4	0.021	1276.295	0.6574	0.6508	0.3254	0.77	0.9923	0.0051	3.83	0.9617	4.21	0.8431	61.5	64.2	6.5E-07	1.30E-06	1.2E-04	0.3775
03-Aug	11:10:00	199.50	76.90	58	24	29.70	-25.07	29.896	0.7%	0.4	0.021	1276.953	0.6574	0.6510	0.3255	0.74	0.9926	0.0049	3.79	0.9621	4.20	0.8432	61.5	64.2	6.5E-07	1.30E-06	1.2E-04	0.3776
03-Aug	11:12:00	199.60	77.10	57	25	29.71	-25.03	29.895	0.7%	0.4	0.021	1277.610	0.6574	0.6506	0.3253	0.78	0.9922	0.0051	3.82	0.9618	4.19	0.8429	60.4	63.1	6.4E-07	1.28E-06	1.1E-04	0.3777
03-Aug	11:14:00	199.30	77.00	58	24	29.70	-25.00	29.894	0.7%	0.4	0.021	1278.267	0.6574	0.6509	0.3254	0.74	0.9926	0.0049	3.78	0.9622	4.18	0.8426	61.5	64.2	6.5E-07	1.30E-06	1.2E-04	0.3778
03-Aug	11:16:00	199.40	77.30	58	24	29.71	-24.97	29.893	0.7%	0.4	0.021	1278.925	0.6574	0.6505	0.3252	0.75	0.9925	0.0049	3.77	0.9621	4.17	0.8422	61.5	64.2	6.5E-07	1.30E-06	1.2E-04	0.3779
03-Aug	11:18:00	199.50	77.20	58	24	29.72	-24.93	29.892	0.7%	0.4	0.021	1279.582	0.6574	0.6506	0.3253	0.75	0.9925	0.0049	3.76	0.9624	4.16	0.8424	61.5	64.2	6.5E-07	1.30E-06	1.2E-04	0.3781
03-Aug	11:20:00	199.60	77.20	58	24	29.73	-24.90	29.891	0.7%	0.4	0.020	1280.240	0.6574	0.6506	0.3253	0.75	0.9925	0.0049	3.75	0.9625	4.15	0.8424	61.5	64.2	6.5E-07	1.30E-06	1.2E-04	0.3782
03-Aug	11:22:00	199.60	77.50	58	26	29.72	-24.87	29.890	0.7%	0.4	0.020	1280.897	0.6574	0.6498	0.3249	0.82	0.9918	0.0054	3.81	0.9619	4.14	0.8419	61.5	64.2	6.5E-07	1.30E-06	1.2E-04	0.3783
03-Aug	11:24:00	199.50	77.30	58	27	29.71	-24.83	29.889	0.7%	0.4	0.020	1281.555	0.6574	0.6499	0.3249	0.84	0.9916	0.0055	3.83	0.9617	4.13	0.8419	61.5	64.2	6.5E-07	1.30E-06	1.2E-04	0.3784
03-Aug	11:26:00	199.70	77.30	58	26	29.71	-24.80	29.888	0.7%	0.4	0.020	1282.212	0.6574	0.6501	0.3250	0.81	0.9919	0.0053	3.78	0.9622	4.12	0.8421	61.5	64.1	6.5E-07	1.30E-06	1.2E-04	0.3785
03-Aug	11:28:00	199.80	77.50	58	25	29.73	-24.77	29.887	0.7%	0.4	0.020	1282.869	0.6574	0.6500	0.3250	0.79	0.9921	0.0052	3.75	0.9625	4.11	0.8418	61.5	64.1	6.5E-07	1.30E-06	1.2E-04	0.3786
03-Aug	11:30:00	199.90	77.50	58	25	29.71	-24.73	29.886	0.7%	0.4	0.020	1283.527	0.6574	0.6500	0.3250	0.79	0.9921	0.0052	3.74	0.9626	4.10	0.8419	61.5	64.1	6.5E-07	1.30E-06	1.2E-04	0.3788
03-Aug	11:32:00	199.70	77.50	59	24	29.74	-24.70	29.885	0.7%	0.4	0.020	1284.184	0.6574	0.6502	0.3251	0.76	0.9924	0.0050	3.70	0.9630	4.09	0.8416	62.6	65.2	6.6E-07	1.32E-06	1.2E-04	0.3789
03-Aug	11:34:00	199.80	77.60	58	24	29.72	-24.67	29.884	0.7%	0.4	0.020	1284.842	0.6574	0.6501	0.3250	0.76	0.9924	0.0050	3.69	0.9631	4.08	0.8414	61.5	64.1	6.5E-07	1.30E-06	1.2E-04	0.3790
03-Aug	11:36:00	199.80	77.70	58	24	29.72	-24.63	29.883	0.7%	0.4	0.020	1285.499	0.6574	0.6499	0.3250	0.76	0.9924	0.0050	3.69	0.9631	4.07	0.8412	61.5	64.1	6.5E-07	1.30E-06	1.2E-04	0.3791
03-Aug	11:38:00	199.90	77.70	59	25	29.72	-24.60	29.882	0.7%	0.4	0.020	1286.156	0.6574	0.6497	0.3249	0.79	0.9921	0.0052	3.71	0.9629	4.06	0.8413	62.6	65.2	6.6E-07	1.32E-06	1.2E-04	0.3792
03-Aug	11:40:00	200.00	77.70	59	24	29.69	-24.57	29.881	0.7%	0.4	0.020	1286.814	0.6574	0.6499	0.3250	0.76	0.9924	0.0050	3.67	0.9633	4.05	0.8413	62.6	65.2	6.6E-07	1.32E-06	1.2E-04	0.3793
03-Aug	11:42:00	199.90	77.70	60	24	29.71	-24.53	29.880	0.7%	0.4	0.020	1287.471	0.6574	0.6499	0.3250	0.76	0.9924	0.0050	3.66	0.9634	4.04	0.8411	63.6	66.3	6.7E-07	1.34E-06	1.2E-04	0.3795
03-Aug	11:44:00	199.90	77.90	59	24	29.72	-24.50	29.880	0.7%	0.4	0.020	1288.129	0.6574	0.6497	0.3248	0.77	0.9923	0.0050	3.65	0.9635	4.03	0.8407	62.6	65.2	6.6E-07	1.32E-06	1.2E-04	0.3796
03-Aug	11:46:00	200.00	77.80	59	25	29.73	-24.47	29.879	0.7%	0.4	0.020	1288.786	0.6574	0.6496	0.3248	0.80	0.9920	0.0052	3.67	0.9633	4.02	0.8409	62.6	65.2	6.6E-07	1.32E-06	1.2E-04	0.3797
03-Aug	11:48:00	199.80	77.70	59	24	29.73	-24.43	29.878	0.7%	0.4	0.019	1289.444	0.6574	0.6499	0.3250	0.76	0.9924	0.0050	3.63	0.9637	4.01	0.8407	62.6	65.2	6.6E-07	1.32E-06	1.2E-04	0.3798
03-Aug	11:50:00	200.00	77.80	58	24	29.72	-24.40	29.877	0.7%	0.4	0.019	1290.101	0.6574	0.6498	0.3249	0.76	0.9924	0.0050	3.62	0.9638	4.00	0.8407	61.5	64.1	6.5E-07	1.30E-06	1.2E-04	0.3799
03-Aug	11:52:00	199.90	77.60	60	24	29.74	-24.37	29.876	0.7%	0.4	0.019	1290.758	0.6574	0.6501	0.3250	0.76	0.9924	0.0050	3.61	0.9619	3.99	0.8408	63.6	66.3	6.7E-07	1.34E-06	1.2E-04	0.3801
03-Aug	11:54:00	200.00	77.80	59	25	29.72	-24.33	29.875	0.7%	0.4	0.019	1291.416	0.6574	0.6496	0.3248	0.80	0.9920	0.0052	3.63	0.9637	3.98	0.8406	62.6	65.3	6.6E-07	1.32E-06	1.2E-04	0.3802
03-Aug	11:56:00	200.10	77.80	59	24	29.75	-24.30	29.874	0.7%	0.4	0.019	1292.073	0.6574	0.6498	0.3249	0.76	0.9924	0.0050	3.59	0.9641	3.97	0.8406	62.6	65.3	6.6E-07	1.32E-06	1.2E-04	0.3803
03-Aug	11:58:00	200.30	77.70	60	24	29.74	-24.27	29.873	0.7%	0.4	0.019	1292.731	0.6574	0.6499	0.3250	0.76	0.9924	0.0050	3.58	0.9642	3.96	0.8409	63.6	66.2	6.7E-07	1.34E-06	1.2E-04	0.3804
03-Aug	12:00:00	200.30	78.00	60	24	29.72	-24.23	29.872	0.7%	0.4	0.019	1293.388	0.6574	0.6495	0.3248	0.77	0.9923	0.0050	3.58	0.9642	3.95	0.8404	63.6	66.2	6.7E-07	1.34E-06	1.2E-04	0.3805
03-Aug	12:02:00	200.10	77.70	60	25	29.76	-24.20	29.871	0.7%	0.4	0.019	1294.046	0.6574	0.6497	0.3249	0.79	0.9921	0.0052	3.59	0.9641	3.94	0.8405	63.6	66.2	6.7E-07	1.34E-06	1.2E-04	0.3807
03-Aug	12:04:00	200.20	77.80	58	24	29.72	-24.17	29.871	0.7%	0.4	0.019	1294.703	0.6574	0.6498	0.3249	0.76	0.9924	0.0050	3.56	0.9644	3.93	0.8404	61.5	64.0	6.5E-07	1.30E-06	1.2E-04	0.3808
03-Aug	12:06:00	200.10	77.80	60	24	29.73	-24.13	29.870	0.7%	0.4	0.019	1295.360	0.6574	0.6498	0.3249	0.76	0.9924	0.0050	3.55	0.9645	3.92	0.8402	63.6	66.2	6.7E-07	1.34E-06	1.2E-04	0.3809
03-Aug	12:08:00	200.10	78.00	60	24	29.70	-24.10	29.869	0.7%	0.4	0.019	1296.018	0.6574	0.6495	0.3248	0.77	0.9923	0.0050	3.54	0.9646	3.91	0.8398	63.6	66.2	6.7E-07	1.34E-06	1.2E-04	0.3810
03-Aug	12:10:00	200.20	77.80	59	24	29.71	-24.07	29.868	0.7%	0.4	0.019	1296.675	0.6574	0.6498	0.3249	0.76	0.9924	0.0050	3.53	0.9647	3.90	0.8401	62.6	65.1	6.6E-07	1.32E-06	1.2E-04	0.3811
03-Aug	12:12:00	200.00	77.80	60	28	29.73	-24.03	29.867	0.7%	0.4	0.019	1297.333	0.6574	0.6490	0.3245	0.89	0.9911	0.0058	3.64	0.9636	3.89	0.8398	63.6	66.2	6.7E-07	1.34E-06	1.2E-04	0.3812
03-Aug	12:14:00	200.20	78.00	60	25	29.74	-24.00	29.866	0.7%	0.4	0.019	1297.990	0.6574	0.6493	0.3247	0.80	0.9920	0.0052	3.55	0.9645	3.88	0.8397	63.6	66.2	6.7E-07	1.34E-06	1.2E-04	0.3814
03-Aug	12:16:00	200.00	78.00	60	25	29.73	-23.97	29.865	0.7%	0.4	0.019	1298.647	0.6574	0.6493	0.3247	0.80	0.9920	0.0052	3.54	0.9646	3.87	0.8394	63.6	66.2	6.7E-07	1.34E-06	1.2E-04	0.3815
03-Aug	12:18:00	200.20	77.80	61	26	29.73	-23.93	29.864	0.6%	0.4	0.019	1299.305	0.6574	0.6494	0.3247	0.83	0.9917	0.0054	3.55	0.9645	3.86	0.8398	64.7	67.3	6.8E-07	1.36E-06	1.2E-04	0.3816
03-Aug	12:20:00	200.10	78.00	60	25	29.73	-23.90	29.864	0.6%	0.4	0.018	1299.962	0.6574	0.6493	0.3247	0.80	0.9920	0.0052	3.52	0.9648	3.86	0.8393	63.6	66.2	6.7E-07	1.34E-06	1.2E-04	0.3817
03-Aug	12:22:00	200.10	77.90	60	26	29.70	-23.87	29.863	0.6%	0.4	0.018	1300.620	0.6574	0.6493	0.3246	0.83	0.9917	0.0054	3.54	0.9646	3.85	0.8397	63.6	66.2	6.7E-07	1.34E-06	1.2E-04	0.3818
03-Aug	12:24:00	200.20	77.90	61	26	29.69	-23.83	29.862	0.6%	0.4	0.018	1301.277	0.6574	0.6492	0.3246	0.83	0.9917	0.0054	3.53	0.9647	3.84	0.8394	64.7	67.3	6.8E-07	1.36E-06	1.2E-04	0.3820
03-Aug	12:26:00	200.30	78.00	60	25	29.70	-23.80	29.861	0.6%	0.4	0.018	1301.935	0.6574	0.6493	0.3247	0.80	0.9920	0.0052	3.49	0.9651	3.83	0.8394	63.6	66.2	6.7E-07	1.34E-06	1.2E-04	0.3821
03-Aug	12:28:00	200.00	78.10	60	25	29.66	-23.77	29.860	0.6%	0.4	0.018	1302.592	0.6574	0.6492	0.3246	0.80	0.9920	0.0053	3.49	0.9651	3.82	0.8388	63.6	66.1	6.7E-07	1.34E-06	1.2E-04	0.3822
03-Aug	12:30:00	200.20	78.00	60	25	29.65	-23.73	29.859	0.6%	0.4	0.018	1303.249	0.6574	0.6493	0.3246	0.80	0.9920	0.0052	3.48	0.9652	3.81	0.8390	63.6	66.1	6.7E-07	1.34E-06	1.2E-04	0.3823
03-Aug	12:32:00	200.10	78.00	60	24	29.65	-23.70	29.858	0.6%	0.4	0.018	1303.907	0.6574	0.6495	0.3248	0.77	0.9923	0.0050	3.44	0.9656	3.80	0.8389	63.6	66.1	6.7E-07	1.34E-06	1.2E-04	0.3824
03-Aug	12:34:00	200.20	78.00	60	24	29.67	-23.67	29.858	0.6%	0.4	0.018	1304.564	0.6574	0.6495	0.3248	0.77	0.9923	0.0050	3.43	0.9657	3.79	0.8389	63.6	66.1	6.7E-07	1.34E-06	1.2E-04	0.3826
03-Aug	12:36:00	200.30	77.90	61	25	29.65	-23.63	29.857	0.6%	0.4	0.018	1305.222	0.6574	0.6494	0.3247	0.80	0.9920	0.0052	3.45	0.9655	3.78	0.8391	64.7	67.2	6.8E-07	1.36E-06	1.2E-04	0.3827
03-Aug	12:38:00	200.10	78.10	61	26	29.67	-23.60	29.856	0.6%	0.4	0.018	1305.879	0.6574	0.6490	0.3245	0.84	0.9916	0.0055	3.48	0.9652	3.77	0.8385	64.7	67.2	6.8E-07	1.36E-06	1.2E-04	0.3828
03-Aug	12:40:00	200.10	78.10	60	25	29.65	-23.57	29.855	0.6%	0.4	0.018	1306.536	0.6574	0.6492	0.3246	0.80	0.9920	0.0053	3.44	0.9656	3.77	0.8384	63.6	66.1	6.7E-07	1.34E-06	1.2E-04	0.3829
03-Aug	12:42:00	200.00	78.10	61	24	29.64	-23.53	29.854	0.6%	0.4	0.018	1307.194	0.6574	0.6494	0.3247	0.77	0.9923	0.0050	3.40	0.9660	3.76	0.8382	64.7	67.2	6.8E-07	1.36E-06	1.2E-04	0.3831
03-Aug	12:44:00	200.20	78.20	61	24	29.64	-23.50	29.853	0.6%	0.4	0.018	1307.851	0.6574	0.6491	0.3246	0.77	0.9923	0.0051	3.39	0.9661	3.75	0.8381	64.7	67.2	6.8E-07	1.36E-06	1.2E-04	0.3832
03-Aug	12:46:00	200.10	78.30	61	24	29.66	-23.47	29.853	0.6%	0.4	0.018	1308.509	0.6574	0.6491	0.3245	0.78	0.9922	0.0051	3.38	0.9662	3.74	0.8379	64.7	67.2	6.8E-07	1.36E-06	1.2E-04	0.3833
03-Aug	12:48:00	199.90	78.30	60	24	29.64	-23.43	29.852	0.6%	0.4	0.018	1309.166	0.6574	0.6491	0.3246	0.78	0.9922	0.0051	3.38	0.9662	3.73	0.8376	63.6	66.1	6.7E-07	1.34E-06	1.2E-04	0.3834
03-Aug	12:50:00	199.90	78.40	60	24	29.66	-23.40	29.851	0.6%	0.4	0.018	1309.824	0.6574	0.6490	0.3245	0.78	0.9922	0.0051	3.37	0.9663	3.72	0.8373	63.6	66.1	6.7E-07	1.34E-06	1.2E-04	0.3835
03-Aug	12:52:00	199.90	78.40	61	24	29.62	-23.37	29.850	0.6%	0.4	0.017	1310.481	0.6574	0.6490	0.3245	0.78	0.9922	0.0051	3.36	0.9664	3.71	0.8373	64.7	67.2	6.8E-07	1.36E-06	1.2E-04	0.3837
03-Aug	12:54:00	200.10	78.50	61	24	29.66	-23.33	29.849	0.6%	0.4	0.017	1311.138	0.6574	0.6488	0.3244	0.78	0.9922	0.0051	3.36	0.9664	3.70	0.8373	64.7	67.2	6.8E-07	1.36E-06	1.2E-04	0.3838
03-Aug	12:56:00	200.00	78.50	61	24	29.62	-23.30	29.849	0.6%	0.4	0.017	1311.796	0.6574	0.6488	0.3244	0.78	0.9922	0.0051	3.35	0.9665	3.69	0.8371	64.7	67.2	6.8E-07	1.36E-06	1.2E-04	0.3839
03-Aug	12:58:00	200.20	78.50	60	24	29.65	-23.27	29.848	0.6%	0.4	0.017	1312.453	0.6574	0.6488	0.3244	0.78	0.9922	0.0051	3.34	0.9666	3.68	0.8373	63.6	66.0	6.7E-07	1.34E-06	1.2E-04	0.3840
03-Aug	13:00:00	200.30	78.60	61	25	29.63	-23.23	29.847	0.6%	0.4	0.017	1313.111	0.6574	0.6485	0.3242	0.82	0.9918	0.0053	3.37	0.9663	3.67	0.8372	64.7	67.1	6.8E-07	1.36E-06	1.2E-04	0.3841
03-Aug	13:02:00	200.10	78.60	61	24	29.63	-23.20	29.846	0.6%	0.4	0.017	1313.768	0.6574	0.6487	0.3243	0.78	0.9922	0.0051	3.33	0.9667	3.66	0.8368	64.7	67.1	6.8E-07	1.36E-06	1.2E-04	0.3843
03-Aug	13:04:00	200.30	78.70	61	24	29.61	-23.17	29.845	0.6%	0.4	0.017	1314.426	0.6574	0.6486	0.3243	0.79	0.9921	0.0051	3.32	0.9668	3.65	0.8370	64.7	67.1	6.8E-07	1.36E-06	1.2E-04	0.3844
03-Aug	13:06:00	200.20	78.80	61	23	29.61	-23.13	29.844	0.6%	0.4	0.017	1315.083	0.6574	0.6486	0.3243	0.76	0.9924	0.0049	3.28	0.9672	3.65	0.8365	64.7	67.1	6.8E-07	1.36E-06	1.2E-04	0.3845
03-Aug	13:08:00	200.10	78.90	61	24	29.58	-23.10	29.844	0.6%	0.4	0.017	1315.740	0.6574	0.6483	0.3241	0.79	0.9921	0.0052	3.31	0.9669	3.64	0.8361	64.7	67.1	6.8E-07	1.36E-06	1.2E-04	0.3846
03-Aug	13:10:00	200.40	79.00	61	26	29.57	-23.07	29.843	0.6%	0.4	0.017	1316.398	0.6574	0.6477	0.3239	0.86	0.9914	0.0056	3.37	0.9663	3.63	0.8363	64.7	67.1	6.8E-07	1.36E-06	1.2E-04	0.3847
03-Aug	13:12:00	200.30	78.90	61	24	29.59	-23.03	29.842	0.6%	0.4	0.017	1317.055	0.6574	0.6483	0.3241	0.79	0.9921	0.0052	3.29	0.9671	3.62	0.8363	64.7	67.1	6.8E-07	1.36E-06	1.2E-04	0.3849
03-Aug	13:14:00	200.30	78.90	61	23	29.58	-23.00	29.841	0.6%	0.4	0.017	1317.713	0.6574	0.6485	0.3242	0.76	0.9924	0.0050	3.25	0.9675	3.61	0.8361	64.7	67.1	6.8E-07	1.36E-06	1.2E-04	0.3850
03-Aug	13:16:00	200.40	79.00	61	23	29.58	-22.97	29.841	0.6%	0.4	0.017	1318.370	0.6574	0.6484	0.3242	0.76	0.9924	0.0050	3.25	0.9675	3.60	0.8361	64.7	67.1	6.8E-07	1.36E-06	1.2E-04	0.3851
03-Aug	13:18:00	200.30	79.10	61	23	29.57	-22.93	29.840	0.6%	0.4	0.017	1319.027	0.6574	0.6482	0.3241	0.76	0.9924	0.0050	3.24	0.9676	3.59	0.8358	64.7	67.1	6.8E-07	1.36E-06	1.2E-04	0.3852
03-Aug	13:20:00	200.40	79.00	61	22	29.56	-22.90	29.839	0.6%	0.4	0.017	1319.685	0.6574	0.6486	0.3243	0.73	0.9927	0.0048	3.20	0.9680	3.58	0.8360	64.7	67.1	6.8E-07	1.36E-06	1.2E-04	0.3854
03-Aug	13:22:00	200.30	79.20	61	23	29.56	-22.87	29.838	0.6%	0.4	0.017	1320.342	0.6574	0.6481	0.3240	0.77	0.9923	0.0050	3.23	0.9677	3.57	0.8355	64.7	67.1	6.8E-07	1.35E-06	1.2E-04	0.3855
03-Aug	13:24:00	200.30	79.10	62	24	29.59	-22.83	29.837	0.6%	0.4	0.017	1321.000	0.6574	0.6480	0.3240	0.80	0.9920	0.0052	3.25	0.9675	3.56	0.8356	65.7	68.2	6.9E-07	1.38E-06	1.2E-04	0.3856
03-Aug	13:26:00	200.30	79.20	61	22	29.56	-22.80	29.837	0.6%	0.4	0.017	1321.657	0.6574	0.6483	0.3242	0.73	0.9927	0.0048	3.18	0.9682	3.55	0.8354	64.7	67.1	6.8E-07	1.36E-06	1.2E-04	0.3857
03-Aug	13:28:00	200.50	79.20	62	22	29.56	-22.77	29.836	0.6%	0.3	0.016	1322.315	0.6574	0.6483	0.3241	0.73	0.9927	0.0048	3.17	0.9683	3.54	0.8355	65.7	68.2	6.9E-07	1.38E-06	1.2E-04	0.3858
03-Aug	13:30:00	200.60	79.20	62	22	29.52	-22.73	29.835	0.6%	0.3	0.016	1322.972	0.6574	0.6483	0.3242	0.73	0.9927	0.0048	3.16	0.9684	3.53	0.8356	65.7	68.1	6.9E-07	1.38E-06	1.2E-04	0.3860
03-Aug	13:32:00	200.30	79.20	61	22	29.55	-22.70	29.834	0.6%	0.3	0.016	1323.629	0.6574	0.6483	0.3242	0.73	0.9927	0.0048	3.16	0.9684	3.52	0.8351	64.7	67.0	6.8E-07	1.35E-06	1.2E-04	0.3861
03-Aug	13:34:00	200.30	79.20	62	23	29.57	-22.67	29.834	0.6%	0.3	0.016	1324.287	0.6574	0.6481	0.3240	0.77	0.9923	0.0050	3.18	0.9682	3.51	0.8350	65.7	68.1	6.9E-07	1.38E-06	1.2E-04	0.3862
03-Aug	13:36:00	200.20	79.50	62	22	29.52	-22.63	29.833	0.6%	0.3	0.016	1324.944	0.6574	0.6479	0.3240	0.74	0.9926	0.0048	3.15	0.9685	3.50	0.8344	65.7	68.1	6.9E-07	1.38E-06	1.2E-04	0.3863
03-Aug	13:38:00	200.60	79.50	61	23	29.53	-22.60	29.832	0.6%	0.3	0.016	1325.602	0.6574	0.6477	0.3238	0.77	0.9923	0.0050	3.17	0.9683	3.50	0.8349	64.7	67.0	6.8E-07	1.35E-06	1.2E-04	0.3865
03-Aug	13:40:00	200.30	79.40	62	22	29.54	-22.57	29.831	0.6%	0.3	0.016	1326.259	0.6574	0.6480	0.3240	0.74	0.9926	0.0048	3.13	0.9687	3.49	0.8345	65.7	68.1	6.9E-07	1.38E-06	1.2E-04	0.3866
03-Aug	13:42:00	200.40	79.50	62	21	29.52	-22.53	29.831	0.6%	0.3	0.016	1326.917	0.6574	0.6481	0.3241	0.71	0.9929	0.0046	3.09	0.9691	3.48	0.8345	65.7	68.1	6.9E-07	1.38E-06	1.2E-04	0.3867
03-Aug	13:44:00	200.60	79.50	61	21	29.51	-22.50	29.830	0.6%	0.3	0.016	1327.574	0.6574	0.6481	0.3241	0.71	0.9929	0.0046	3.09	0.9691	3.47	0.8347	64.7	67.0	6.8E-07	1.35E-06	1.2E-04	0.3868
03-Aug	13:46:00	200.60	79.60	62	20	29.48	-22.47	29.829	0.6%	0.3	0.016	1328.231	0.6574	0.6482	0.3241	0.67	0.9933	0.0044	3.05	0.9695	3.46	0.8344	65.7	68.1	6.9E-07	1.38E-06	1.2E-04	0.3869
03-Aug	13:48:00	200.80	79.70	62	20	29.49	-22.43	29.828	0.6%	0.3	0.016	1328.889	0.6574	0.6481	0.3240	0.68	0.9932	0.0044	3.04	0.9696	3.45	0.8344	65.7	68.1	6.9E-07	1.38E-06	1.2E-04	0.3871
03-Aug	13:50:00	200.60	79.80	62	20	29.49	-22.40	29.828	0.6%	0.3	0.016	1329.546	0.6574	0.6479	0.3240	0.68	0.9932	0.0044	3.04	0.9696	3.43	0.8340	65.7	68.1	6.9E-07	1.37E-06	1.2E-04	0.3872
03-Aug	13:52:00	200.60	79.70	62	21	29.47	-22.37	29.827	0.6%	0.3	0.016	1330.204	0.6574	0.6479	0.3239	0.71	0.9929	0.0046	3.06	0.9694	3.42	0.8341	65.7	68.1	6.9E-07	1.37E-06	1.2E-04	0.3873
03-Aug	13:54:00	200.60	79.80	61	20	29.50	-22.33	29.826	0.6%	0.3	0.016	1330.861	0.6574	0.6479	0.3240	0.68	0.9932	0.0044	3.02	0.9698	3.41	0.8338	64.7	67.0	6.8E-07	1.35E-06	1.2E-04	0.3874
03-Aug	13:56:00	200.40	79.80	61	20	29.51	-22.30	29.825	0.6%	0.3	0.016	1331.518	0.6574	0.6479	0.3240	0.68	0.9932	0.0044	3.01	0.9699	3.40	0.8336	64.7	67.0	6.8E-07	1.35E-06	1.2E-04	0.3876
03-Aug	13:58:00	200.90	79.90	62	21	29.54	-22.27	29.823	0.6%	0.3	0.016	1332.176	0.6574	0.6476	0.3238	0.72	0.9928	0.0047	3.04	0.9696	3.39	0.8339	65.7	68.0	6.9E-07	1.37E-06	1.2E-04	0.3877
03-Aug	14:00:00	200.60	79.90	62	21	29.52	-22.23	29.824	0.6%	0.3	0.016	1332.833	0.6574	0.6476	0.3238	0.72	0.9928	0.0047	3.03	0.9697	3.38	0.8335	65.7	68.0	6.9E-07	1.37E-06	1.2E-04	0.3878
03-Aug	14:02:00	200.60	79.90	62	21	29.49	-22.20	29.823	0.6%	0.3	0.016	1333.491	0.6574	0.6476	0.3238	0.72	0.9928	0.0047	3.03	0.9697	3.37	0.8335	65.7	68.0	6.9E-07	1.37E-06	1.2E-04	0.3879
03-Aug	14:04:00	200.80	79.90	61	21	29.33	-22.17	29.822	0.6%	0.3	0.015	1334.148	0.6574	0.6476	0.3238	0.72	0.9928	0.0047	3.02	0.9698	3.36	0.8337	64.7	66.9	6.8E-07	1.35E-06	1.2E-04	0.3880
03-Aug	14:06:00	200.70	79.90	62	21	29.49	-22.13	29.822	0.6%	0.3	0.015	1334.806	0.6574	0.6476	0.3238	0.72	0.9928	0.0047	3.01	0.9699	3.36	0.8334	65.7	68.0	6.9E-07	1.37E-06	1.2E-04	0.3882
03-Aug	14:08:00	200.80	80.30	62	21	29.49	-22.10	29.821	0.5%	0.3	0.015	1335.463	0.6574	0.6470	0.3235	0.72	0.9928	0.0047	3.02	0.9698	3.35	0.8329	65.7	68.0	6.9E-07	1.37E-06	1.2E-04	0.3883
03-Aug	14:10:00	200.80	80.20	61	21	29.51	-22.07	29.820	0.5%	0.3	0.015	1336.120	0.6574	0.6472	0.3236	0.72	0.9928	0.0047	3.01	0.9699	3.34	0.8330	64.7	66.9	6.7E-07	1.35E-06	1.2E-04	0.3884
03-Aug	14:12:00	200.80	80.20	61	21	29.49	-22.03	29.820	0.5%	0.3	0.015	1336.778	0.6574	0.6472	0.3236	0.72	0.9928	0.0047	3.00	0.9700	3.33	0.8329	64.7	66.9	6.7E-07	1.35E-06	1.2E-04	0.3885
03-Aug	14:14:00	200.60	80.30	61	21	29.50	-22.00	29.819	0.5%	0.3	0.015	1337.435	0.6574	0.6470	0.3235	0.72	0.9928	0.0047	2.99	0.9701	3.32	0.8325	64.7	66.9	6.7E-07	1.35E-06	1.2E-04	0.3887
03-Aug	14:16:00	200.70	80.20	61	21	29.46	-21.97	29.818	0.5%	0.3	0.015	1338.093	0.6574	0.6472	0.3236	0.72	0.9928	0.0047	2.98	0.9702	3.31	0.8327	64.7	66.9	6.7E-07	1.35E-06	1.2E-04	0.3888
03-Aug	14:18:00	200.80	80.50	61	21	29.46	-21.93	29.817	0.5%	0.3	0.015	1338.750	0.6574	0.6468	0.3234	0.73	0.9927	0.0048	2.98	0.9702	3.30	0.8323	64.7	66.9	6.7E-07	1.35E-06	1.2E-04	0.3889
03-Aug	14:20:00	200.80	80.50	61	21	29.45	-21.90	29.817	0.5%	0.3	0.015	1339.408	0.6574	0.6467	0.3234	0.73	0.9927	0.0048	2.98	0.9702	3.29	0.8322	64.7	66.9	6.7E-07	1.35E-06	1.2E-04	0.3890
03-Aug	14:22:00	200.80	80.50	61	21	29.44	-21.87	29.816	0.5%	0.3	0.015	1340.065	0.6574	0.6468	0.3234	0.73	0.9927	0.0048	2.97	0.9703	3.28	0.8322	64.7	66.9	6.7E-07	1.35E-06	1.2E-04	0.3891
03-Aug	14:24:00	200.60	80.70	61	24	29.45	-21.83	29.815	0.5%	0.3	0.015	1340.722	0.6574	0.6458	0.3229	0.84	0.9916	0.0055	3.07	0.9693	3.28	0.8316	64.7	66.9	6.7E-07	1.35E-06	1.2E-04	0.3893
03-Aug	14:26:00	200.80	80.30	61	20	29.48	-21.80	29.815	0.5%	0.3	0.015	1341.380	0.6574	0.6467	0.3234	0.70	0.9930	0.0046	2.93	0.9707	3.27	0.8317	64.7	66.9	6.7E-07	1.35E-06	1.2E-04	0.3894
03-Aug	14:28:00	200.70	80.70	62	20	29.45	-21.77	29.814	0.5%	0.3	0.015	1342.037	0.6574	0.6467	0.3234	0.70	0.9930	0.0046	2.92	0.9708	3.26	0.8316	65.7	68.0	6.8E-07	1.37E-06	1.2E-04	0.3895
03-Aug	14:30:00	200.80	80.90	61	21	29.44	-21.73	29.813	0.5%	0.3	0.015	1342.695	0.6574	0.6462	0.3231	0.74	0.9926	0.0048	2.95	0.9705	3.25	0.8313	64.7	66.9	6.7E-07	1.35E-06	1.2E-04	0.3896
03-Aug	14:32:00	200.80	81.00	61	21	29.46	-21.70	29.813	0.5%	0.3	0.015	1343.352	0.6574	0.6461	0.3230	0.74	0.9926	0.0048	2.95	0.9705	3.24	0.8311	64.7	66.8	6.7E-07	1.35E-06	1.2E-04	0.3897
03-Aug	14:34:00	200.80	80.90	62	21	29.45	-21.67	29.812	0.5%	0.3	0.015	1344.009	0.6574	0.6462	0.3231	0.74	0.9926	0.0048	2.94	0.9706	3.24	0.8312	65.7	67.9	6.8E-07	1.37E-06	1.2E-04	0.3899
03-Aug	14:36:00	200.80	81.10	61	20	29.44	-21.63	29.811	0.5%	0.3	0.015	1344.667	0.6574	0.6462	0.3231	0.71	0.9929	0.0046	2.90	0.9710	3.23	0.8309	64.7	66.8	6.7E-07	1.35E-06	1.2E-04	0.3900
03-Aug	14:38:00	200.60	81.10	61	20	29.43	-21.60	29.811	0.5%	0.3	0.015	1345.324	0.6574	0.6462	0.3231	0.71	0.9929	0.0046	2.90	0.9710	3.22	0.8305	64.7	66.8	6.7E-07	1.35E-06	1.2E-04	0.3901
03-Aug	14:40:00	200.80	81.30	61	20	29.46	-21.57	29.810	0.5%	0.3	0.015	1345.982	0.6574	0.6459	0.3230	0.71	0.9929	0.0046	2.89	0.9711	3.21	0.8304	64.7	66.8	6.7E-07	1.35E-06	1.2E-04	0.3902
03-Aug	14:42:00	200.60	81.20	61	20	29.42	-21.53	29.809	0.5%	0.3	0.015	1346.639	0.6574	0.6461	0.3230	0.71	0.9929	0.0046	2.88	0.9712	3.20	0.8303	64.7	66.8	6.7E-07	1.35E-06	1.2E-04	0.3903
03-Aug	14:44:00	200.60	81.30	61	20	29.43	-21.50	29.808	0.5%	0.3	0.015	1347.297	0.6574	0.6459	0.3229	0.71	0.9929	0.0046	2.88	0.9712	3.19	0.8300	64.7	66.8	6.7E-07	1.35E-06	1.2E-04	0.3905
03-Aug	14:46:00	200.80	81.40	61	20	29.45	-21.47	29.808	0.5%	0.3	0.014	1347.954	0.6574	0.6458	0.3229	0.72	0.9928	0.0047	2.88	0.9712	3.19	0.8301	64.7	66.8	6.7E-07	1.34E-06	1.2E-04	0.3906
03-Aug	14:48:00	201.00	81.40	62	20	29.42	-21.43	29.807	0.5%	0.3	0.014	1348.611	0.6574	0.6458	0.3229	0.72	0.9928	0.0047	2.87	0.9713	3.18	0.8303	65.7	67.9	6.8E-07	1.37E-06	1.2E-04	0.3907
03-Aug	14:50:00	200.90	81.50	62	20	29.47	-21.40	29.806	0.5%	0.3	0.014	1349.269	0.6574	0.6457	0.3228	0.72	0.9928	0.0047	2.86	0.9714	3.17	0.8300	65.7	67.9	6.8E-07	1.37E-06	1.2E-04	0.3908
03-Aug	14:52:00	200.80	81.60	62	20	29.44	-21.37	29.806	0.5%	0.3	0.014	1349.926	0.6574	0.6455	0.3227	0.72	0.9928	0.0047	2.86	0.9714	3.16	0.8296	65.7	67.9	6.8E-07	1.37E-06	1.2E-04	0.3909
03-Aug	14:54:00	201.00	81.60	61	20	29.44	-21.33	29.805	0.5%	0.3	0.014	1350.584	0.6574	0.6455	0.3228	0.72	0.9928	0.0047	2.85	0.9715	3.15	0.8298	64.7	66.8	6.7E-07	1.34E-06	1.2E-04	0.3911
03-Aug	14:56:00	201.10	81.70	62	20	29.47	-21.30	29.804	0.5%	0.3	0.014	1351.241	0.6574	0.6454	0.3227	0.72	0.9928	0.0047	2.85	0.9715	3.14	0.8298	65.7	67.9	6.8E-07	1.37E-06	1.2E-04	0.3912
03-Aug	14:58:00	201.10	81.70	62	20	29.46	-21.27	29.804	0.5%	0.3	0.014	1351.899	0.6574	0.6454	0.3227	0.72	0.9928	0.0047	2.84	0.9716	3.14	0.8297	65.7	67.9	6.8E-07	1.37E-06	1.2E-04	0.3913
03-Aug	15:00:00	201.10	81.80	62	20	29.46	-21.23	29.803	0.5%	0.3	0.014	1352.556	0.6574	0.6453	0.3226	0.73	0.9927	0.0047	2.84	0.9716	3.13	0.8295	65.7	67.9	6.8E-07	1.36E-06	1.2E-04	0.3914
03-Aug	15:02:00	201.20	82.00	62	22	29.43	-21.20	29.802	0.5%	0.3	0.014	1353.213	0.6574	0.6445	0.3223	0.80	0.9920	0.0052	2.91	0.9709	3.12	0.8293	65.7	67.9	6.8E-07	1.36E-06	1.2E-04	0.3916
03-Aug	15:04:00	201.00	81.80	62	20	29.43	-21.17	29.802	0.5%	0.3	0.014	1353.871	0.6574	0.6452	0.3226	0.73	0.9927	0.0047	2.83	0.9717	3.12	0.8292	65.7	67.9	6.8E-07	1.36E-06	1.2E-04	0.3917
03-Aug	15:06:00	201.20	82.00	63	19	29.46	-21.13	29.801	0.5%	0.3	0.014	1354.528	0.6574	0.6452	0.3226	0.69	0.9931	0.0045	2.79	0.9721	3.11	0.8291	66.8	68.9	6.9E-07	1.39E-06	1.2E-04	0.3918
03-Aug	15:08:00	201.20	82.00	62	21	29.43	-21.10	29.800	0.5%	0.3	0.014	1355.186	0.6574	0.6447	0.3224	0.77	0.9923	0.0050	2.85	0.9715	3.10	0.8291	65.7	67.8	6.8E-07	1.36E-06	1.2E-04	0.3919
03-Aug	15:10:00	201.40	82.20	62	19	29.47	-21.07	29.800	0.5%	0.3	0.014	1355.843	0.6574	0.6449	0.3225	0.70	0.9930	0.0045	2.78	0.9722	3.09	0.8289	65.7	67.8	6.8E-07	1.36E-06	1.2E-04	0.3920
03-Aug	15:12:00	201.00	82.10	62	19	29.43	-21.03	29.799	0.5%	0.3	0.014	1356.500	0.6574	0.6451	0.3225	0.70	0.9930	0.0045	2.77	0.9723	3.08	0.8286	65.7	67.8	6.8E-07	1.36E-06	1.2E-04	0.3922
03-Aug	15:14:00	201.20	82.20	63	20	29.45	-21.00	29.799	0.5%	0.3	0.014	1357.158	0.6574	0.6447	0.3224	0.73	0.9927	0.0048	2.80	0.9720	3.08	0.8286	66.8	68.9	6.9E-07	1.39E-06	1.2E-04	0.3923
03-Aug	15:16:00	201.30	82.30	63	19	29.44	-20.97	29.798	0.5%	0.3	0.014	1357.815	0.6574	0.6448	0.3224	0.70	0.9930	0.0045	2.76	0.9724	3.07	0.8285	66.8	68.9	6.9E-07	1.39E-06	1.2E-04	0.3924
03-Aug	15:18:00	201.30	82.40	63	20	29.43	-20.93	29.797	0.5%	0.3	0.014	1358.473	0.6574	0.6444	0.3222	0.74	0.9926	0.0048	2.80	0.9720	3.06	0.8283	66.8	68.9	6.9E-07	1.38E-06	1.2E-04	0.3925
03-Aug	15:20:00	201.30	82.20	63	19	29.44	-20.90	29.797	0.5%	0.3	0.014	1359.130	0.6574	0.6450	0.3225	0.70	0.9930	0.0045	2.75	0.9725	3.05	0.8284	66.8	68.9	6.9E-07	1.39E-06	1.2E-04	0.3927
03-Aug	15:22:00	201.50	82.50	62	19	29.46	-20.87	29.796	0.5%	0.3	0.014	1359.788	0.6574	0.6446	0.3223	0.70	0.9930	0.0046	2.75	0.9725	3.04	0.8283	65.7	67.8	6.8E-07	1.36E-06	1.2E-04	0.3928
03-Aug	15:24:00	201.30	82.50	63	19	29.46	-20.83	29.795	0.5%	0.3	0.014	1360.445	0.6574	0.6445	0.3223	0.70	0.9930	0.0046	2.74	0.9726	3.04	0.8280	66.8	68.9	6.9E-07	1.38E-06	1.2E-04	0.3929
03-Aug	15:26:00	201.40	82.40	62	20	29.50	-20.80	29.795	0.5%	0.3	0.014	1361.102	0.6574	0.6444	0.3222	0.74	0.9926	0.0048	2.77	0.9723	3.03	0.8282	65.7	67.8	6.8E-07	1.36E-06	1.2E-04	0.3930
03-Aug	15:28:00	201.40	82.40	62	20	29.49	-20.77	29.794	0.5%	0.3	0.014	1361.760	0.6574	0.6444	0.3222	0.74	0.9926	0.0048	2.76	0.9724	3.02	0.8282	65.7	67.8	6.8E-07	1.36E-06	1.2E-04	0.3932
03-Aug	15:30:00	201.40	82.50	62	19	29.50	-20.73	29.793	0.5%	0.3	0.013	1362.417	0.6574	0.6445	0.3223	0.70	0.9930	0.0046	2.72	0.9728	3.02	0.8280	65.7	67.8	6.8E-07	1.36E-06	1.2E-04	0.3933
03-Aug	15:32:00	201.40	82.50	62	20	29.50	-20.70	29.793	0.5%	0.3	0.013	1363.075	0.6574	0.6441	0.3222	0.74	0.9926	0.0048	2.75	0.9725	3.01	0.8279	65.7	67.8	6.8E-07	1.36E-06	1.2E-04	0.3934
03-Aug	15:34:00	201.50	82.50	62	19	29.54	-20.67	29.792	0.5%	0.3	0.013	1363.732	0.6574	0.6446	0.3223	0.70	0.9930	0.0046	2.71	0.9729	3.00	0.8280	65.7	67.8	6.8E-07	1.36E-06	1.2E-04	0.3935
03-Aug	15:36:00	201.70	82.50	62	20	29.51	-20.63	29.792	0.5%	0.3	0.013	1364.390	0.6574	0.6443	0.3221	0.74	0.9926	0.0048	2.74	0.9726	2.99	0.8282	65.7	67.8	6.8E-07	1.36E-06	1.2E-04	0.3936
03-Aug	15:38:00	201.60	82.60	62	20	29.55	-20.60	29.791	0.5%	0.3	0.013	1365.047	0.6574	0.6442	0.3221	0.74	0.9926	0.0048	2.74	0.9726	2.99	0.8279	65.7	67.8	6.8E-07	1.36E-06	1.2E-04	0.3938
03-Aug	15:40:00	201.60	82.60	63	20	29.55	-20.57	29.790	0.5%	0.3	0.013	1365.704	0.6574	0.6442	0.3221	0.74	0.9926	0.0048	2.73	0.9727	2.98	0.8278	66.8	68.9	6.9E-07	1.38E-06	1.2E-04	0.3939
03-Aug	15:42:00	201.70	82.60	63	20	29.57	-20.53	29.790	0.5%	0.3	0.013	1366.362	0.6574	0.6442	0.3221	0.74	0.9926	0.0048	2.73	0.9727	2.97	0.8279	66.8	68.9	6.9E-07	1.38E-06	1.2E-04	0.3940
03-Aug	15:44:00	201.70	82.50	63	20	29.59	-20.50	29.789	0.5%	0.3	0.013	1367.019	0.6574	0.6443	0.3222	0.74	0.9926	0.0048	2.72	0.9728	2.97	0.8280	66.8	68.9	6.9E-07	1.38E-06	1.2E-04	0.3941
03-Aug	15:46:00	201.70	82.30	62	21	29.57	-20.47	29.788	0.5%	0.3	0.013	1367.677	0.6574	0.6441	0.3220	0.78	0.9922	0.0051	2.75	0.9725	2.96	0.8279	65.7	67.7	6.8E-07	1.36E-06	1.2E-04	0.3943
03-Aug	15:48:00	201.60	82.70	63	20	29.55	-20.43	29.788	0.5%	0.3	0.013	1368.334	0.6574	0.6440	0.3220	0.75	0.9925	0.0048	2.71	0.9729	2.95	0.8275	66.8	68.8	6.9E-07	1.38E-06	1.2E-04	0.3944
03-Aug	15:50:00	201.80	82.50	64	21	29.57	-20.40	29.787	0.5%	0.3	0.013	1368.991	0.6574	0.6440	0.3220	0.78	0.9922	0.0051	2.74	0.9726	2.95	0.8279	67.9	69.9	7.0E-07	1.40E-06	1.3E-04	0.3945
03-Aug	15:52:00	201.90	82.50	64	20	29.55	-20.37	29.787	0.5%	0.3	0.013	1369.649	0.6574	0.6443	0.3222	0.74	0.9926	0.0048	2.69	0.9731	2.94	0.8280	67.9	69.9	7.0E-07	1.40E-06	1.3E-04	0.3946

Northwest Hardwood
Alder
August 1-4, 1996

Y=	1.0119			
Pb=	29.9243 inHg			
Pb=	101.39 kPa			
Span	601.2	567	571 ppmv	
Zero	0	0	-19 ppmv	
DBFT	11.18	ft³		ft³

NDOP	x	F(x)	A	B	C	D
m	-72.03	43.80	-0.53498	0.00519	-0.00011	0.00000
n	-52.50	33.35	-0.14224	0.00326	-0.00005	
o	-29.30	30.03	-0.02346	0.00036		
p	-16.73	29.73	-0.00896			
r	0.00	29.58				

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
"Date"	"Time"	"Value" Tc F	"Value" Tm F	"Value" VOC ppmv	"Value" RH %	"Value" M lbm	dt (hrs)	Calculated Wood Mass Wm lbm	Calculated Wood Moisture %Bwc %	Wood Water Change dWw g	Wood Water Volume Vw(wood) dscf	Meter Reading cuft dVm ft³	Inlet Meter Volume Wet Vm(wet) wscf	Inlet Meter Volume Dry Vm(std) dscf
AVG		161.21	299.04	38.15	25.67	14.53								
01-Aug	09:14:00	190.43	76.55											
03-Aug	15:54:00	201.70	82.50	63	24	29.55	-20.33	29.786	0.5%	0.3	0.013	1370.306	0.6574	0.6414
03-Aug	15:56:00	201.70	82.50	64	20	29.60	-20.30	29.785	0.5%	0.3	0.013	1370.964	0.6574	0.6443
03-Aug	15:58:00	201.90	82.50	64	21	29.57	-20.27	29.785	0.5%	0.3	0.013	1371.621	0.6574	0.6441
03-Aug	16:00:00	201.90	82.50	64	21	29.58	-20.23	29.784	0.5%	0.3	0.013	1372.279	0.6574	0.6441
03-Aug	16:02:00	201.70	82.50	64	26	29.55	-20.20	29.784	0.5%	0.3	0.013	1372.936	0.6574	0.6428
03-Aug	16:04:00	202.00	82.50	65	19	29.58	-20.17	29.783	0.5%	0.3	0.013	1373.593	0.6574	0.6446
03-Aug	16:06:00	201.70	82.60	65	20	29.54	-20.13	29.782	0.5%	0.3	0.013	1374.251	0.6574	0.6442
03-Aug	16:08:00	201.70	82.70	65	19	29.56	-20.10	29.782	0.5%	0.3	0.013	1374.908	0.6574	0.6443
03-Aug	16:10:00	201.70	82.60	65	20	29.55	-20.07	29.781	0.5%	0.3	0.013	1375.566	0.6574	0.6442
03-Aug	16:12:00	201.70	82.50	64	20	29.57	-20.03	29.781	0.5%	0.3	0.013	1376.223	0.6574	0.6443
03-Aug	16:14:00	202.00	82.80	64	20	29.55	-20.00	29.780	0.5%	0.3	0.013	1376.881	0.6574	0.6439
03-Aug	16:16:00	201.90	82.60	64	20	29.54	-19.97	29.779	0.5%	0.3	0.013	1377.538	0.6574	0.6442
03-Aug	16:18:00	201.80	82.60	63	20	29.54	-19.93	29.779	0.5%	0.3	0.013	1378.195	0.6574	0.6441
03-Aug	16:20:00	201.80	82.70	62	20	29.54	-19.90	29.778	0.5%	0.3	0.012	1378.853	0.6574	0.6440
03-Aug	16:22:00	202.00	82.70	62	24	29.55	-19.87	29.778	0.5%	0.3	0.012	1379.510	0.6574	0.6430
03-Aug	16:24:00	202.10	82.90	62	20	29.57	-19.83	29.777	0.4%	0.3	0.012	1380.168	0.6574	0.6438
03-Aug	16:26:00	202.00	82.90	62	20	29.54	-19.80	29.777	0.4%	0.3	0.012	1380.825	0.6574	0.6439
03-Aug	16:28:00	202.00	82.90	62	20	29.56	-19.77	29.776	0.4%	0.3	0.012	1381.482	0.6574	0.6437
03-Aug	16:30:00	201.80	82.90	61	19	29.54	-19.73	29.775	0.4%	0.3	0.012	1382.140	0.6574	0.6440
03-Aug	16:32:00	201.80	82.90	62	20	29.54	-19.70	29.775	0.4%	0.3	0.012	1382.797	0.6574	0.6438
03-Aug	16:34:00	202.00	83.00	61	20	29.57	-19.67	29.774	0.4%	0.3	0.012	1383.455	0.6574	0.6436
03-Aug	16:36:00	202.00	83.00	62	20	29.55	-19.63	29.774	0.4%	0.3	0.012	1384.112	0.6574	0.6436
03-Aug	16:38:00	202.00	83.10	61	23	29.54	-19.60	29.773	0.4%	0.3	0.012	1384.770	0.6573	0.6428
03-Aug	16:40:00	201.70	82.90	62	20	29.56	-19.57	29.773	0.4%	0.3	0.012	1385.427	0.6574	0.6437
03-Aug	16:42:00	202.00	83.10	61	19	29.57	-19.53	29.772	0.4%	0.3	0.012	1386.084	0.6574	0.6438
03-Aug	16:44:00	202.00	83.00	62	20	29.57	-19.50	29.771	0.4%	0.3	0.012	1386.742	0.6574	0.6435
03-Aug	16:46:00	202.00	83.00	62	21	29.57	-19.47	29.771	0.4%	0.3	0.012	1387.399	0.6574	0.6434
03-Aug	16:48:00	202.10	83.10	61	20	29.59	-19.43	29.770	0.4%	0.3	0.012	1388.057	0.6574	0.6435
03-Aug	16:50:00	202.20	83.00	61	20	29.57	-19.40	29.770	0.4%	0.3	0.012	1388.714	0.6574	0.6436
03-Aug	16:52:00	202.00	83.20	61	20	29.57	-19.37	29.769	0.4%	0.3	0.012	1389.372	0.6574	0.6434
03-Aug	16:54:00	202.20	83.30	62	20	29.58	-19.33	29.769	0.4%	0.3	0.012	1390.029	0.6574	0.6432
03-Aug	16:56:00	202.10	83.30	61	20	29.56	-19.30	29.768	0.4%	0.3	0.012	1390.686	0.6574	0.6432
03-Aug	16:58:00	201.90	83.20	61	20	29.61	-19.27	29.768	0.4%	0.2	0.012	1391.344	0.6574	0.6434
03-Aug	17:00:00	202.20	83.10	61	20	29.61	-19.23	29.767	0.4%	0.2	0.012	1392.001	0.6574	0.6435
03-Aug	17:02:00	202.10	83.20	61	20	29.59	-19.20	29.766	0.4%	0.2	0.012	1392.659	0.6574	0.6434
03-Aug	17:04:00	202.20	83.20	61	20	29.57	-19.17	29.766	0.4%	0.2	0.012	1393.316	0.6574	0.6434
03-Aug	17:06:00	202.10	83.30	60	26	29.55	-19.13	29.765	0.4%	0.2	0.012	1393.973	0.6574	0.6417
03-Aug	17:08:00	202.40	83.40	60	20	29.56	-19.10	29.765	0.4%	0.2	0.012	1394.631	0.6574	0.6431
03-Aug	17:10:00	202.30	83.20	61	20	29.56	-19.07	29.764	0.4%	0.2	0.012	1395.288	0.6574	0.6434
03-Aug	17:12:00	202.30	83.30	61	21	29.58	-19.03	29.764	0.4%	0.2	0.012	1395.946	0.6574	0.6430
03-Aug	17:14:00	202.30	83.10	61	20	29.62	-19.00	29.763	0.4%	0.2	0.011	1396.603	0.6574	0.6435
03-Aug	17:16:00	202.30	83.30	60	20	29.60	-18.97	29.763	0.4%	0.2	0.011	1397.261	0.6574	0.6432
03-Aug	17:18:00	202.30	83.20	61	23	29.61	-18.93	29.762	0.4%	0.2	0.011	1397.918	0.6574	0.6426
03-Aug	17:20:00	202.40	83.00	61	29	29.60	-18.90	29.762	0.4%	0.2	0.011	1398.575	0.6574	0.6436
03-Aug	17:22:00	202.20	83.20	61	20	29.62	-18.87	29.761	0.4%	0.2	0.011	1399.233	0.6574	0.6435
03-Aug	17:24:00	202.50	83.10	61	20	29.63	-18.83	29.761	0.4%	0.2	0.011	1399.890	0.6574	0.6435
03-Aug	17:26:00	202.20	83.10	60	20	29.61	-18.80	29.760	0.4%	0.2	0.011	1400.548	0.6574	0.6435
03-Aug	17:28:00	202.20	83.00	61	20	29.62	-18.77	29.760	0.4%	0.2	0.011	1401.205	0.6574	0.6436
03-Aug	17:30:00	202.40	83.00	61	20	29.64	-18.73	29.759	0.4%	0.2	0.011	1401.863	0.6574	0.6436
03-Aug	17:32:00	202.50	83.20	60	21	29.61	-18.70	29.758	0.4%	0.2	0.011	1402.520	0.6574	0.6431
03-Aug	17:34:00	202.60	83.10	60	20	29.60	-18.67	29.758	0.4%	0.2	0.011	1403.177	0.6574	0.6433
03-Aug	17:36:00	202.40	83.00	60	20	29.59	-18.63	29.757	0.4%	0.2	0.011	1403.835	0.6574	0.6436
03-Aug	17:38:00	202.40	83.00	60	20	29.61	-18.60	29.757	0.4%	0.2	0.011	1404.492	0.6574	0.6436
03-Aug	17:40:00	202.20	83.00	61	20	29.61	-18.57	29.756	0.4%	0.2	0.011	1405.150	0.6574	0.6436
03-Aug	17:42:00	202.60	83.00	60	20	29.62	-18.53	29.756	0.4%	0.2	0.011	1405.807	0.6574	0.6436
03-Aug	17:44:00	202.40	83.00	61	20	29.64	-18.50	29.755	0.4%	0.2	0.011	1406.464	0.6574	0.6436
03-Aug	17:46:00	202.50	82.90	60	20	29.64	-18.47	29.755	0.4%	0.2	0.011	1407.122	0.6574	0.6438
03-Aug	17:48:00	202.60	83.00	60	20	29.61	-18.43	29.754	0.4%	0.2	0.011	1407.779	0.6574	0.6436
03-Aug	17:50:00	202.60	82.90	60	21	29.61	-18.40	29.754	0.4%	0.2	0.011	1408.437	0.6574	0.6435
03-Aug	17:52:00	202.60	83.00	61	19	29.64	-18.37	29.753	0.4%	0.2	0.011	1409.094	0.6574	0.6439
03-Aug	17:54:00	202.40	82.90	61	20	29.61	-18.33	29.753	0.4%	0.2	0.011	1409.752	0.6574	0.6438
03-Aug	17:56:00	202.60	83.00	61	19	29.66	-18.30	29.752	0.4%	0.2	0.011	1410.409	0.6574	0.6439
03-Aug	17:58:00	202.60	83.00	60	20	29.61	-18.27	29.752	0.4%	0.2	0.011	1411.066	0.6574	0.6436
03-Aug	18:00:00	202.40	82.90	60	20	29.59	-18.23	29.751	0.4%	0.2	0.011	1411.724	0.6574	0.6438
03-Aug	18:02:00	202.60	82.90	61	23	29.63	-18.20	29.751	0.4%	0.2	0.011	1412.381	0.6574	0.6430
03-Aug	18:04:00	202.70	83.10	60	26	29.63	-18.17	29.750	0.4%	0.2	0.011	1413.039	0.6574	0.6420
03-Aug	18:06:00	202.70	83.00	60	20	29.64	-18.13	29.750	0.4%	0.2	0.011	1413.696	0.6574	0.6435
03-Aug	18:08:00	202.60	82.90	60	20	29.66	-18.10	29.749	0.4%	0.2	0.011	1414.354	0.6574	0.6438
03-Aug	18:10:00	202.50	83.00	60	20	29.65	-18.07	29.749	0.4%	0.2	0.011	1415.011	0.6574	0.6436
03-Aug	18:12:00	202.60	82.90	61	21	29.67	-18.03	29.748	0.4%	0.2	0.011	1415.668	0.6574	0.6435
03-Aug	18:14:00	202.70	82.90	60	20	29.65	-18.00	29.748	0.4%	0.2	0.011	1416.326	0.6574	0.6438
03-Aug	18:16:00	202.70	82.90	60	26	29.67	-17.97	29.747	0.4%	0.2	0.011	1416.983	0.6574	0.6423
03-Aug	18:18:00	202.60	82.80	60	20	29.68	-17.93	29.747	0.4%	0.2	0.011	1417.641	0.6574	0.6439
03-Aug	18:20:00	202.50	82.80	60	20	29.69	-17.90	29.746	0.4%	0.2	0.010	1418.298	0.6574	0.6439
03-Aug	18:22:00	202.40	82.90	60	27	29.66	-17.87	29.746	0.4%	0.2	0.010	1418.955	0.6574	0.6422
03-Aug	18:24:00	202.80	83.00	60	20	29.66	-17.83	29.745	0.4%	0.2	0.010	1419.613	0.6574	0.6436
03-Aug	18:26:00	202.60	82.90	60	20	29.66	-17.80	29.745	0.4%	0.2	0.010	1420.270	0.6574	0.6438
03-Aug	18:28:00	202.70	82.70	60	24	29.66	-17.77	29.744	0.4%	0.2	0.010	1420.928	0.6574	0.6431
03-Aug	18:30:00	202.60	82.80	60	20	29.64	-17.73	29.744	0.4%	0.2	0.010	1421.585	0.6574	0.6439
03-Aug	18:32:00	202.60	82.50	60	24	29.69	-17.70	29.743	0.4%	0.2	0.010	1422.243	0.6574	0.6434
03-Aug	18:34:00	202.70	82.70	61	22	29.67	-17.67	29.743	0.4%	0.2	0.010	1422.900	0.6574	0.6436
03-Aug	18:36:00	202.70	82.90	60	21	29.65	-17.63	29.742	0.4%	0.2	0.010	1423.557	0.6574	0.6435
03-Aug	18:38:00	202.60	82.90	60	21	29.66	-17.60	29.742	0.4%	0.2	0.010	1424.215	0.6574	0.6435
03-Aug	18:40:00	202.50	82.70	60	21	29.65	-17.57	29.742	0.4%	0.2	0.010	1424.872	0.6574	0.6438
03-Aug	18:42:00	202.60	82.60	61	20	29.66	-17.53	29.741	0.4%	0.2	0.010	1425.530	0.6574	0.6442
03-Aug	18:44:00	202.80	82.70	60	20	29.66	-17.50	29.741	0.4%	0.2	0.010	1426.187	0.6574	0.6440
03-Aug	18:46:00	202.60	82.70	60	21	29.70	-17.47	29.740	0.4%	0.2	0.010	1426.845	0.6574	0.6438
03-Aug	18:48:00	202.60	82.60	60	21	29.68	-17.43	29.740	0.4%	0.2	0.010	1427.502	0.6574	0.6439
03-Aug	18:50:00	202.70	82.60	60	21	29.67	-17.40	29.739	0.4%	0.2	0.010	1428.159	0.6574	0.6439
03-Aug	18:52:00	202.70	82.60	60	21	29.68	-17.37	29.739	0.4%	0.2	0.010	1428.817	0.6574	0.6439
03-Aug	18:54:00	202.70	82.50	60	21	29.68	-17.33	29.738	0.4%	0.2	0.010	1429.474	0.6574	0.6441
03-Aug	18:56:00	202.80	82.60	60	21	29.68	-17.30	29.738	0.4%	0.2	0.010	1430.132	0.6574	0.6439
03-Aug	18:58:00	202.80	82.50	60	21	29.69	-17.27	29.737	0.4%	0.2	0.010	1430.789	0.6574	0.6441
03-Aug	19:00:00	202.80	82.50	60	20	29.69	-17.23	29.737	0.4%	0.2	0.010	1431.446	0.6574	0.6445
03-Aug	19:02:00	202.70	82.50	60	21	29.73	-17.20	29.736	0.4%	0.2	0.010	1432.104	0.6574	0.6440
03-Aug	19:04:00	202.70	82.50	60	21	29.68	-17.17	29.736	0.4%	0.2	0.010	1432.761	0.6574	0.6441
03-Aug	19:06:00	202.80	82.50	59	21	29.71	-17.13	29.735	0.4%	0.2	0.010	1433.419	0.6574	0.6443
03-Aug	19:08:00	202.40	82.50	60	21	29.69	-17.10	29.735	0.4%	0.2	0.010	1434.076	0.6574	0.6440
03-Aug	19:10:00	202.70	82.50	59	27	29.68	-17.07	29.735	0.4%	0.2	0.010	1434.734	0.6574	0.6426
03-Aug	19:12:00	202.60	82.30	60	22	29.67	-17.03	29.734	0.4%	0.2	0.010	1435.391	0.6574	0.6438
03-Aug	19:14:00	202.60	82.40	60	26	29.70	-17.00	29.734	0.4%	0.2	0.010	1436.048	0.6574	0.6430
03-Aug	19:16:00	202.70	82.40	60	22	29.67	-16.97	29.733	0.3%	0.2	0.010	1436.706	0.6574	0.6440
03-Aug	19:18:00	202.90	82.40	59	21	29.68	-16.93	29.733	0.3%	0.2	0.010	1437.363	0.6574	0.6442
03-Aug	19:20:00	202.70	82.30	59	21	29.68	-16.90	29.732	0.3%	0.2	0.010	1438.021	0.6574	0.6443
03-Aug	19:22:00	202.50	82.30	58	21	29.69	-16.87	29.732	0.3%	0.2	0.010	1438.678	0.6574	0.6443
03-Aug	19:24:00	202.80	82.20	60	21	29.70	-16.83	29.731	0.3%	0.2	0.010	1439.335	0.6574	0.6443
03-Aug	19:26:00	202.60	82.30	58	21	29.69	-16.80	29.731	0.3%	0.2	0.010	1439.993	0.6574	0.6443
03-Aug	19:28:00	202.70	82.20	59	21	29.69	-16.77	29.730	0.3%	0.2	0.010	1440.650	0.6574	0.6441
03-Aug	19:30:00	202.60	82.20	60	22	29.73	-16.73	29.730	0.3%	0.2	0.010	1441.308	0.6574	0.6442
03-Aug	19:32:00	202.60	82.20	59	22	29.70	-16.70	29.730	0.3%	0.2	0.010	1441.965	0.6574	0.6442
03-Aug	19:34:00	202.60	82.20	59	22	29.71	-16.67	29.729	0.3%	0.2	0.010	1442.623	0.6574	0.6442
03-Aug	19:36:00	202.70	82.20	58	22	29.71	-16.63	29.729	0.3%	0.2	0.009	1443.280	0.6574	0.6442
03-Aug	19:38:00	202.60	82.20	58	23	29.68	-16.60	29.728	0.3%	0.2	0.009	1443.937	0.6574	0.6440
03-Aug	19:40:00	202.70	82.00	58	22	29.69	-16.57	29.728	0.3%	0.2	0.009	1444.595	0.6574	0.6445
03-Aug	19:42:00	202.70	82.00	58	23	29.72	-16.53	29.727	0.3%	0.2	0.009	1445.252	0.6574	0.6443
03-Aug	19:44:00	202.70	82.10	58	21	29.68	-16.50	29.727	0.3%	0.2	0.009	1445.910	0.6574	0.6446
03-Aug	19:46:00	202.80	82.00	59	21	29.66	-16.47	29.726	0.3%	0.2	0.009	1446.567	0.6574	0.6447
03-Aug	19:48:00	202.70	82.10	59	24	29.67	-16.43	29.726	0.3%	0.2	0.009	1447.225	0.6574	0.6439
03-Aug	19:50:00	202.70	82.00	58	26	29.69	-16.40	29.726	0.3%	0.2	0.009	1447.882	0.6574	0.6436
03-Aug	19:52:00	202.60	82.00	58	22	29.72	-16.37	29.725	0.3%	0.2	0.009	1448.539	0.6574	0.6445
03-Aug	19:54:00	202.70	82.00	58	21	29.72	-16.33	29.725	0.3%	0.2	0.009	1449.197	0.6574	0.6447
03-Aug	19:56:00	202.80	82.00	58	22	29.69	-16.30	29.724	0.3%	0.2	0.009	1449.854	0.6574	0.6445
03-Aug	19:58:00	202.70	82.00	58	22	29.72	-16.27	29.724	0.3%	0.2	0.009	1450.512	0.6574	0.6445
03-Aug	20:00:00	202.90	81.90	58	24	29.73	-16.23	29.723	0.3%	0.2	0.009	1451.169	0.6574	0.6441
03-Aug	20:02:00	202.80	81.60	58	25	29.70	-16.20	29.723	0.3%	0.2	0.009	1451.826	0.6574	0.6444
03-Aug	20:04:00	202.80	81.70	58	22	29.71	-16.17	29.723	0.3%	0.2	0.009	1452.484	0.6574	0.6449
03-Aug	20:06:00	202.70	82.00	58	25	29.72	-16.13	29.722	0.3%	0.2	0.009	1453.141	0.6574	0.6438
03-Aug	20:08:00	203.10	81.90	58	22	29.77	-16.10	29.722	0.3%	0.2	0.009	1453.799	0.6574	0.6446
03-Aug	20:10:00	202.90	81.70	58	25	29.73	-16.07	29.721	0.3%	0.2	0.009	1454.456	0.6574	0.6442
03-Aug	20:12:00	202.70	81.70	57	22	29.74	-16.03	29.721	0.3%	0.2	0.009	1455.114	0.6574	0.6449
03-Aug	20:14:00	202.80	81.60	58	22	29.73	-16.00	29.720	0.3%	0.2	0.009	1455.771	0.6574	0.6451
03-Aug	20:16:00	202.80	81.60	58	22	29.74	-15.97	29.720	0.3%	0.2	0.009	1456.428	0.6574	0.6451
03-Aug	20:18:00	202.70	81.50	57	23	29.75	-15.93	29.720	0.3%	0.2	0.009	1457.086	0.6574	0.6450
03-Aug	20:20:00	202.70	81.50	58	22	29.76	-15.90	29.719	0.3%	0.2	0.009	1457.743	0.6574	0.6452
03-Aug	20:22:00	202.80	81.10	57	22	29.80	-15.87	29.719	0.3%	0.2	0.009	1458.401	0.6574	0.6455
03-Aug	20:24:00	202.90	81.30	58	23	29.78	-15.83	29.718	0.3%	0.2	0.009	1459.058	0.6574	0.6452
03-Aug	20:26:00	203.00	81.50	57	23	29.82	-15.80	29.718	0.3%	0.2	0.009	1459.716	0.6574	0.6449
03-Aug	20:28:00	202.80	81.40	57	23	29.81	-15.77	29.718	0.3%	0.2	0.009	1460.373	0.6574	0.6451
03-Aug	20:30:00	202.70	81.30	57	23	29.81	-15.73	29.717	0.3%	0.2	0.009	1461.030	0.6574	0.6452
03-Aug	20:32:00	202.90	81.30	57	23	29.82	-15.70	29.717	0.3%	0.2	0.009	1461.688	0.6574	0.6452
03-Aug	20:34:00	202.90	81.40	57	23	29.82	-15.67	29.716	0.3%	0.2	0.009	1462.345	0.6574	0.6451
03-Aug	20:36:00	202.80	81.10	57	24	29.87	-15.63	29.716	0.3%	0.2	0.009	1463.003	0.6574	0.6453
03-Aug	20:38:00	202.90	81.10	57	24	29.84	-15.60	29.715	0.3%	0.2	0.009	1463.660	0.6574	0.6452
03-Aug	20:40:00	202.80	81.10	57	24	29.84	-15.57	29.715	0.3%	0.2	0.009	1464.317	0.6574	0.6453
03-Aug	20:42:00	202.90	80.90	57	23	29.87	-15.53	29.715	0.3%	0.2	0.009	1464.975	0.6574	0.6458
03-Aug	20:44:00	202.70	80.80	57	24	29.83	-15.50	29.714	0.3%	0.2	0.009	1465.632	0.6574	0.6457
03-Aug	20:46:00	202.80	80.90	57	24	29.83	-15.47	29.714	0.3%	0.2	0.009	1466.290	0.6574	0.6458
03-Aug	20:48:00	202.80	81.00	57	24	29.84	-15.43	29.713	0.3%	0.2	0.009	1466.947	0.6574	0.6454
03-Aug	20:50:00	202.90	80.90	57	24	29.85	-15.40	29.713	0.3%	0.2	0.009	1467.605	0.6574	0.6455
03-Aug	20:52:00	202.90	80.90	56	24	29.84	-15.37	29.713	0.3%	0.2	0.009	1468.262	0.6574	0.6455
03-Aug	20:54:00	202.90	80.80	57	24	29.87	-15.33	29.712	0.3%	0.2	0.009	1468.919	0.6574	0.6457
03-Aug	20:56:00	202.70	80.70	57	24	29.88	-15.30	29.712	0.3%	0.2	0.009	1469.577	0.6574	0.6458
03-Aug	20:58:00	202.70	80.80	57	24	29.87	-15.27	29.711	0.3%	0.2	0.009	1470.234	0.6574	0.6457
03-Aug	21:00:00	202.70	80.70	56	24	29.84	-15.23	29.711	0.3%	0.2	0.009	1470.892	0.6574	0.6458
03-Aug	21:02:00	202.50	80.50	57	25	29.85	-15.20	29.711	0.3%	0.2	0.009	1471.549	0.6574	0.6459
03-Aug	21:04:00	202.70	80.70	57	25	29.85	-15.17	29.710	0.3%	0.2	0.009	1472.207	0.6574	0.6456

1	2	16	17	18	19	20	21	22	23	24	25	26	27	28	29
"Date"	"Time"	Inlet Flowrate Dry Q(std) dscf/min	Inlet Air Moisture Bws(inlet) %	Inlet Air Fraction dry mf(inlet)	Inlet Water Volume Vw(inlet) dscf	Inlet Air Moisture BWS(1) %	Inlet Air Dry mf(2)	Cumulative Chamber Moisture BWS(3) %	New Gases at Chamber Conditions Vt ft³	Cgas(wet) ppmv	Cgas(Dry) ppmv	Mgas lbm/min	lbs	lbs/Mdbft	lbm/Mdbft
03-Aug	15:54:00	0.3217	0.82	0.9911	0.0058	2.43	0.9717	2.93	0.8277	66.8	68.8	6.9E-07	1.38E-06	1.2E-04	0.3948
03-Aug	15:56:00	0.3221	0.74	0.9926	0.0048	2.68	0.9732	2.93	0.8277	67.9	69.9	7.0E-07	1.40E-06	1.3E-04	0.3949
03-Aug	15:58:00	0.3220	0.78	0.9922	0.0051	2.71	0.9729	2.93	0.8279	67.9	69.9	7.0E-07	1.40E-06	1.3E-04	0.3950
03-Aug	16:00:00	0.3220	0.78	0.9922	0.0051	2.71	0.9729	2.92	0.8278	67.9	69.9	7.0E-07	1.40E-06	1.3E-04	0.3951
03-Aug	16:02:00	0.3214	0.96	0.9904	0.0063	2.88	0.9712	2.91	0.8275	67.9	69.9	7.0E-07	1.40E-06	1.3E-04	0.3953
03-Aug	16:04:00	0.3223	0.70	0.9930	0.0046	2.62	0.9738	2.91	0.8279	68.9	71.0	7.1E-07	1.43E-06	1.3E-04	0.3954
03-Aug	16:06:00	0.3221	0.74	0.9926	0.0048	2.65	0.9735	2.91	0.8273	68.9	71.0	7.1E-07	1.43E-06	1.3E-04	0.3955
03-Aug	16:08:00	0.3221	0.71	0.9929	0.0046	2.61	0.9739	2.90	0.8271	68.9	71.0	7.1E-07	1.43E-06	1.3E-04	0.3956
03-Aug	16:10:00	0.3221	0.74	0.9926	0.0048	2.64	0.9736	2.89	0.8272	68.9	71.0	7.1E-07	1.43E-06	1.3E-04	0.3958
03-Aug	16:12:00	0.3222	0.74	0.9926	0.0048	2.63	0.9737	2.88	0.8273	67.9	69.9	7.0E-07	1.40E-06	1.3E-04	0.3959
03-Aug	16:14:00	0.3219	0.75	0.9925	0.0049	2.64	0.9736	2.88	0.8271	67.9	69.9	7.0E-07	1.40E-06	1.3E-04	0.3960
03-Aug	16:16:00	0.3221	0.74	0.9926	0.0048	2.63	0.9737	2.87	0.8273	67.9	69.9	7.0E-07	1.40E-06	1.3E-04	0.3961
03-Aug	16:18:00	0.3221	0.74	0.9926	0.0048	2.62	0.9738	2.86	0.8271	66.8	68.8	6.9E-07	1.38E-06	1.2E-04	0.3963
03-Aug	16:20:00	0.3220	0.75	0.9925	0.0048	2.62	0.9738	2.86	0.8269	65.7	67.7	6.8E-07	1.36E-06	1.2E-04	0.3964
03-Aug	16:22:00	0.3215	0.90	0.9910	0.0058	2.76	0.9724	2.85	0.8271	65.7	67.7	6.8E-07	1.36E-06	1.2E-04	0.3965
03-Aug	16:24:00	0.3219	0.75	0.9925	0.0049	2.61	0.9739	2.85	0.8269	65.7	67.7	6.8E-07	1.36E-06	1.2E-04	0.3966
03-Aug	16:26:00	0.3219	0.75	0.9925	0.0049	2.61	0.9739	2.84	0.8269	65.7	67.7	6.8E-07	1.36E-06	1.2E-04	0.3967
03-Aug	16:28:00	0.3219	0.75	0.9925	0.0049	2.60	0.9740	2.84	0.8266	65.7	67.7	6.8E-07	1.36E-06	1.2E-04	0.3969
03-Aug	16:30:00	0.3220	0.71	0.9929	0.0046	2.56	0.9744	2.83	0.8264	64.7	66.6	6.7E-07	1.34E-06	1.2E-04	0.3970
03-Aug	16:32:00	0.3219	0.75	0.9925	0.0049	2.59	0.9741	2.82	0.8263	65.7	67.6	6.8E-07	1.36E-06	1.2E-04	0.3971
03-Aug	16:34:00	0.3218	0.75	0.9925	0.0049	2.59	0.9741	2.82	0.8264	64.7	66.6	6.7E-07	1.34E-06	1.2E-04	0.3972
03-Aug	16:36:00	0.3218	0.75	0.9925	0.0049	2.58	0.9742	2.81	0.8263	65.7	67.6	6.8E-07	1.36E-06	1.2E-04	0.3974
03-Aug	16:38:00	0.3214	0.87	0.9913	0.0056	2.69	0.9731	2.80	0.8262	64.7	66.5	6.7E-07	1.33E-06	1.2E-04	0.3975
03-Aug	16:40:00	0.3219	0.75	0.9925	0.0049	2.57	0.9743	2.80	0.8265	65.7	67.6	6.8E-07	1.36E-06	1.2E-04	0.3976
03-Aug	16:42:00	0.3219	0.72	0.9928	0.0047	2.53	0.9747	2.79	0.8261	64.7	66.5	6.7E-07	1.34E-06	1.2E-04	0.3977
03-Aug	16:44:00	0.3218	0.76	0.9924	0.0049	2.56	0.9744	2.79	0.8260	65.7	67.6	6.8E-07	1.36E-06	1.2E-04	0.3978
03-Aug	16:46:00	0.3217	0.79	0.9921	0.0051	2.59	0.9741	2.78	0.8261	65.7	67.6	6.8E-07	1.36E-06	1.2E-04	0.3980
03-Aug	16:48:00	0.3217	0.76	0.9924	0.0049	2.54	0.9745	2.78	0.8260	64.7	66.5	6.7E-07	1.33E-06	1.2E-04	0.3981
03-Aug	16:50:00	0.3218	0.75	0.9925	0.0049	2.54	0.9746	2.77	0.8263	64.7	66.5	6.7E-07	1.33E-06	1.2E-04	0.3982
03-Aug	16:52:00	0.3217	0.76	0.9924	0.0049	2.54	0.9746	2.76	0.8257	64.7	66.5	6.7E-07	1.33E-06	1.2E-04	0.3983
03-Aug	16:54:00	0.3216	0.76	0.9924	0.0049	2.54	0.9746	2.76	0.8257	65.7	67.6	6.8E-07	1.36E-06	1.2E-04	0.3984
03-Aug	16:56:00	0.3216	0.76	0.9924	0.0049	2.54	0.9746	2.75	0.8256	64.7	66.5	6.7E-07	1.33E-06	1.2E-04	0.3986
03-Aug	16:58:00	0.3217	0.76	0.9924	0.0049	2.53	0.9747	2.75	0.8254	64.7	66.5	6.7E-07	1.33E-06	1.2E-04	0.3987
03-Aug	17:00:00	0.3217	0.76	0.9924	0.0049	2.52	0.9748	2.74	0.8259	64.7	66.5	6.7E-07	1.33E-06	1.2E-04	0.3988
03-Aug	17:02:00	0.3217	0.76	0.9924	0.0049	2.52	0.9748	2.74	0.8256	64.7	66.5	6.7E-07	1.33E-06	1.2E-04	0.3989
03-Aug	17:04:00	0.3217	0.76	0.9924	0.0049	2.51	0.9749	2.73	0.8257	64.7	66.5	6.7E-07	1.33E-06	1.2E-04	0.3990
03-Aug	17:06:00	0.3209	0.99	0.9901	0.0064	2.73	0.9727	2.72	0.8253	63.6	65.4	6.5E-07	1.31E-06	1.2E-04	0.3991
03-Aug	17:08:00	0.3216	0.76	0.9924	0.0049	2.51	0.9749	2.72	0.8253	63.6	65.4	6.6E-07	1.31E-06	1.2E-04	0.3993
03-Aug	17:10:00	0.3217	0.76	0.9924	0.0049	2.50	0.9750	2.72	0.8257	64.7	66.5	6.7E-07	1.33E-06	1.2E-04	0.3994
03-Aug	17:12:00	0.3215	0.80	0.9920	0.0052	2.53	0.9747	2.71	0.8254	64.7	66.5	6.7E-07	1.33E-06	1.2E-04	0.3995
03-Aug	17:14:00	0.3218	0.76	0.9924	0.0049	2.48	0.9752	2.71	0.8257	64.7	66.5	6.7E-07	1.33E-06	1.2E-04	0.3996
03-Aug	17:16:00	0.3216	0.76	0.9924	0.0049	2.49	0.9751	2.70	0.8254	63.6	65.4	6.6E-07	1.31E-06	1.2E-04	0.3997
03-Aug	17:18:00	0.3213	0.87	0.9913	0.0057	2.59	0.9741	2.70	0.8251	64.7	66.5	6.7E-07	1.33E-06	1.2E-04	0.3999
03-Aug	17:20:00	0.3218	0.75	0.9925	0.0049	2.47	0.9753	2.69	0.8258	64.7	66.5	6.7E-07	1.33E-06	1.2E-04	0.4000
03-Aug	17:22:00	0.3217	0.76	0.9924	0.0049	2.47	0.9753	2.69	0.8253	64.7	66.5	6.7E-07	1.33E-06	1.2E-04	0.4001
03-Aug	17:24:00	0.3218	0.76	0.9924	0.0049	2.46	0.9754	2.68	0.8258	64.7	66.5	6.7E-07	1.33E-06	1.2E-04	0.4002
03-Aug	17:26:00	0.3217	0.76	0.9924	0.0049	2.46	0.9754	2.68	0.8253	63.6	65.4	6.6E-07	1.31E-06	1.2E-04	0.4003
03-Aug	17:28:00	0.3218	0.75	0.9925	0.0049	2.45	0.9755	2.67	0.8255	64.7	66.5	6.7E-07	1.33E-06	1.2E-04	0.4005
03-Aug	17:30:00	0.3218	0.75	0.9925	0.0049	2.44	0.9756	2.66	0.8257	64.7	66.4	6.7E-07	1.33E-06	1.2E-04	0.4006
03-Aug	17:32:00	0.3215	0.80	0.9920	0.0052	2.48	0.9752	2.66	0.8256	63.6	65.4	6.6E-07	1.31E-06	1.2E-04	0.4007
03-Aug	17:34:00	0.3216	0.76	0.9924	0.0049	2.44	0.9756	2.65	0.8257	63.6	65.4	6.6E-07	1.31E-06	1.2E-04	0.4008
03-Aug	17:36:00	0.3218	0.75	0.9925	0.0049	2.43	0.9757	2.65	0.8255	63.6	65.3	6.6E-07	1.31E-06	1.2E-04	0.4009
03-Aug	17:38:00	0.3218	0.75	0.9925	0.0049	2.42	0.9758	2.64	0.8255	63.6	65.3	6.6E-07	1.31E-06	1.2E-04	0.4010
03-Aug	17:40:00	0.3218	0.75	0.9925	0.0049	2.42	0.9758	2.64	0.8252	64.7	66.4	6.7E-07	1.33E-06	1.2E-04	0.4012
03-Aug	17:42:00	0.3218	0.75	0.9925	0.0049	2.41	0.9759	2.63	0.8257	63.6	65.3	6.6E-07	1.31E-06	1.2E-04	0.4013
03-Aug	17:44:00	0.3218	0.75	0.9925	0.0049	2.41	0.9759	2.62	0.8254	64.7	66.4	6.7E-07	1.33E-06	1.2E-04	0.4014
03-Aug	17:46:00	0.3219	0.75	0.9925	0.0049	2.40	0.9760	2.62	0.8256	63.6	65.3	6.6E-07	1.31E-06	1.2E-04	0.4015
03-Aug	17:48:00	0.3218	0.75	0.9925	0.0049	2.40	0.9760	2.61	0.8256	63.6	65.3	6.6E-07	1.31E-06	1.2E-04	0.4016
03-Aug	17:50:00	0.3218	0.79	0.9921	0.0051	2.43	0.9757	2.61	0.8257	63.6	65.3	6.6E-07	1.31E-06	1.2E-04	0.4017
03-Aug	17:52:00	0.3219	0.72	0.9928	0.0046	2.35	0.9765	2.60	0.8255	64.7	66.4	6.7E-07	1.33E-06	1.2E-04	0.4019
03-Aug	17:54:00	0.3219	0.75	0.9925	0.0049	2.38	0.9762	2.60	0.8256	64.7	66.4	6.7E-07	1.33E-06	1.2E-04	0.4020
03-Aug	17:56:00	0.3219	0.72	0.9928	0.0046	2.35	0.9765	2.59	0.8254	64.7	66.4	6.7E-07	1.33E-06	1.2E-04	0.4021
03-Aug	17:58:00	0.3218	0.75	0.9925	0.0049	2.38	0.9762	2.58	0.8254	63.6	65.3	6.6E-07	1.31E-06	1.2E-04	0.4022
03-Aug	18:00:00	0.3219	0.75	0.9925	0.0049	2.37	0.9763	2.58	0.8252	63.6	65.3	6.6E-07	1.31E-06	1.2E-04	0.4023
03-Aug	18:02:00	0.3215	0.86	0.9914	0.0056	2.48	0.9752	2.57	0.8235	64.7	66.4	6.7E-07	1.33E-06	1.2E-04	0.4025
03-Aug	18:04:00	0.3210	0.98	0.9902	0.0064	2.59	0.9741	2.57	0.8252	63.6	65.3	6.5E-07	1.31E-06	1.2E-04	0.4026
03-Aug	18:06:00	0.3218	0.75	0.9925	0.0049	2.36	0.9764	2.57	0.8254	63.6	65.3	6.6E-07	1.31E-06	1.2E-04	0.4027
03-Aug	18:08:00	0.3219	0.75	0.9925	0.0049	2.35	0.9765	2.56	0.8253	63.6	65.3	6.6E-07	1.31E-06	1.2E-04	0.4028
03-Aug	18:10:00	0.3218	0.75	0.9925	0.0049	2.35	0.9765	2.56	0.8250	63.6	65.3	6.5E-07	1.31E-06	1.2E-04	0.4029
03-Aug	18:12:00	0.3218	0.79	0.9921	0.0052	2.38	0.9762	2.55	0.8253	64.7	66.4	6.7E-07	1.33E-06	1.2E-04	0.4030
03-Aug	18:14:00	0.3219	0.75	0.9925	0.0049	2.34	0.9766	2.55	0.8254	63.6	65.3	6.6E-07	1.31E-06	1.2E-04	0.4032
03-Aug	18:16:00	0.3212	0.98	0.9902	0.0063	2.56	0.9744	2.54	0.8253	63.6	65.3	6.5E-07	1.31E-06	1.2E-04	0.4033
03-Aug	18:18:00	0.3219	0.75	0.9925	0.0049	2.33	0.9767	2.54	0.8253	63.6	65.3	6.6E-07	1.31E-06	1.2E-04	0.4034
03-Aug	18:20:00	0.3219	0.75	0.9925	0.0049	2.32	0.9768	2.54	0.8253	63.6	65.3	6.6E-07	1.31E-06	1.2E-04	0.4035
03-Aug	18:22:00	0.3211	1.01	0.9899	0.0066	2.58	0.9742	2.53	0.8250	63.6	65.3	6.5E-07	1.31E-06	1.2E-04	0.4036
03-Aug	18:24:00	0.3218	0.75	0.9925	0.0049	2.31	0.9769	2.53	0.8251	63.6	65.3	6.5E-07	1.31E-06	1.2E-04	0.4037
03-Aug	18:26:00	0.3219	0.75	0.9925	0.0049	2.31	0.9769	2.53	0.8253	63.6	65.3	6.5E-07	1.31E-06	1.2E-04	0.4039
03-Aug	18:28:00	0.3215	0.90	0.9910	0.0058	2.45	0.9755	2.52	0.8254	63.6	65.3	6.5E-07	1.31E-06	1.2E-04	0.4040
03-Aug	18:30:00	0.3219	0.75	0.9925	0.0049	2.30	0.9770	2.52	0.8251	63.6	65.3	6.5E-07	1.31E-06	1.2E-04	0.4041
03-Aug	18:32:00	0.3217	0.89	0.9911	0.0058	2.44	0.9756	2.51	0.8255	63.6	65.3	6.5E-07	1.31E-06	1.2E-04	0.4042
03-Aug	18:34:00	0.3218	0.82	0.9918	0.0053	2.37	0.9763	2.51	0.8253	64.7	66.3	6.7E-07	1.33E-06	1.2E-04	0.4043
03-Aug	18:36:00	0.3218	0.79	0.9921	0.0051	2.33	0.9767	2.51	0.8249	63.6	65.3	6.5E-07	1.31E-06	1.2E-04	0.4045
03-Aug	18:38:00	0.3218	0.79	0.9921	0.0051	2.33	0.9767	2.50	0.8248	63.6	65.3	6.5E-07	1.31E-06	1.2E-04	0.4046
03-Aug	18:40:00	0.3219	0.78	0.9922	0.0051	2.32	0.9768	2.50	0.8249	63.6	65.2	6.5E-07	1.31E-06	1.2E-04	0.4047
03-Aug	18:42:00	0.3221	0.74	0.9926	0.0048	2.27	0.9773	2.49	0.8252	64.7	66.3	6.7E-07	1.33E-06	1.2E-04	0.4048
03-Aug	18:44:00	0.3220	0.75	0.9925	0.0048	2.27	0.9773	2.49	0.8253	63.6	65.2	6.5E-07	1.31E-06	1.2E-04	0.4049
03-Aug	18:46:00	0.3219	0.78	0.9922	0.0051	2.31	0.9769	2.48	0.8250	63.6	65.2	6.5E-07	1.31E-06	1.2E-04	0.4050
03-Aug	18:48:00	0.3220	0.78	0.9922	0.0051	2.30	0.9770	2.48	0.8251	63.6	65.2	6.5E-07	1.31E-06	1.2E-04	0.4052
03-Aug	18:50:00	0.3220	0.78	0.9922	0.0051	2.29	0.9771	2.47	0.8251	63.6	65.2	6.5E-07	1.31E-06	1.2E-04	0.4053
03-Aug	18:52:00	0.3220	0.78	0.9922	0.0051	2.29	0.9771	2.47	0.8251	63.6	65.2	6.5E-07	1.31E-06	1.2E-04	0.4054
03-Aug	18:54:00	0.3220	0.78	0.9922	0.0051	2.28	0.9772	2.46	0.8253	63.6	65.2	6.5E-07	1.31E-06	1.2E-04	0.4055
03-Aug	18:56:00	0.3220	0.78	0.9922	0.0051	2.28	0.9772	2.46	0.8252	63.6	65.2	6.5E-07	1.31E-06	1.2E-04	0.4056
03-Aug	18:58:00	0.3220	0.78	0.9922	0.0051	2.28	0.9772	2.45	0.8253	63.6	65.2	6.5E-07	1.31E-06	1.2E-04	0.4057
03-Aug	19:00:00	0.3222	0.74	0.9926	0.0048	2.24	0.9776	2.43	0.8253	63.6	65.2	6.5E-07	1.31E-06	1.2E-04	0.4059
03-Aug	19:02:00	0.3220	0.78	0.9922	0.0051	2.27	0.9773	2.44	0.8251	63.6	65.2	6.5E-07	1.31E-06	1.2E-04	0.4060
03-Aug	19:04:00	0.3220	0.78	0.9922	0.0051	2.27	0.9773	2.44	0.8251	63.6	65.2	6.5E-07	1.31E-06	1.2E-04	0.4061
03-Aug	19:06:00	0.3220	0.78	0.9922	0.0051	2.26	0.9774	2.43	0.8252	62.6	64.1	6.4E-07	1.29E-06	1.2E-04	0.4062
03-Aug	19:08:00	0.3220	0.78	0.9922	0.0051	2.26	0.9774	2.43	0.8246	63.6	65.2	6.5E-07	1.31E-06	1.2E-04	0.4063
03-Aug	19:10:00	0.3213	1.00	0.9900	0.0065	2.47	0.9753	2.43	0.8230	62.6	64.1	6.4E-07	1.28E-06	1.1E-04	0.4064
03-Aug	19:12:00	0.3219	0.82	0.9918	0.0053	2.29	0.9771	2.43	0.8249	63.6	65.2	6.5E-07	1.31E-06	1.2E-04	0.4066
03-Aug	19:14:00	0.3215	0.96	0.9904	0.0062	2.43	0.9757	2.42	0.8249	63.6	65.2	6.5E-07	1.31E-06	1.2E-04	0.4067
03-Aug	19:16:00	0.3220	0.81	0.9919	0.0053	2.28	0.9772	2.42	0.8251	63.6	65.2	6.5E-07	1.31E-06	1.2E-04	0.4068
03-Aug	19:18:00	0.3221	0.78	0.9922	0.0050	2.24	0.9776	2.42	0.8251	62.6	64.1	6.4E-07	1.29E-06	1.2E-04	0.4069
03-Aug	19:20:00	0.3222	0.77	0.9923	0.0050	2.23	0.9777	2.41	0.8252	62.6	64.1	6.4E-07	1.29E-06	1.2E-04	0.4070
03-Aug	19:22:00	0.3222	0.77	0.9923	0.0050	2.23	0.9777	2.41	0.8248	61.5	63.0	6.3E-07	1.27E-06	1.1E-04	0.4071
03-Aug	19:24:00	0.3222	0.77	0.9923	0.0050	2.22	0.9778	2.40	0.8254	63.6	65.2	6.5E-07	1.31E-06	1.2E-04	0.4073
03-Aug	19:26:00	0.3222	0.77	0.9923	0.0050	2.22	0.9778	2.40	0.8249	61.5	63.0	6.3E-07	1.27E-06	1.1E-04	0.4074
03-Aug	19:28:00	0.3222	0.77	0.9923	0.0050	2.21	0.9779	2.39	0.8251	62.6	64.1	6.4E-07	1.29E-06	1.2E-04	0.4075
03-Aug	19:30:00	0.3221	0.81	0.9919	0.0052	2.25	0.9775	2.39	0.8250	63.6	65.2	6.5E-07	1.31E-06	1.2E-04	0.4076
03-Aug	19:32:00	0.3221	0.81	0.9919	0.0052	2.24	0.9776	2.39	0.8250	62.6	64.1	6.4E-07	1.29E-06	1.2E-04	0.4077
03-Aug	19:34:00	0.3221	0.81	0.9919	0.0052	2.24	0.9776	2.38	0.8249	62.6	64.1	6.4E-07	1.29E-06	1.2E-04	0.4078
03-Aug	19:36:00	0.3221	0.81	0.9919	0.0052	2.24	0.9776	2.38	0.8251	61.5	63.0	6.3E-07	1.27E-06	1.1E-04	0.4079
03-Aug	19:38:00	0.3220	0.84	0.9916	0.0055	2.27	0.9773	2.37	0.8249	61.5	63.0	6.3E-07	1.26E-06	1.1E-04	0.4081
03-Aug	19:40:00	0.3222	0.80	0.9920	0.0052	2.22	0.9778	2.37	0.8253	61.5	63.0	6.3E-07	1.27E-06	1.1E-04	0.4082
03-Aug	19:42:00	0.3221	0.84	0.9916	0.0055	2.25	0.9775	2.37	0.8233	61.5	63.0	6.3E-07	1.26E-06	1.1E-04	0.4083
03-Aug	19:44:00	0.3223	0.77	0.9923	0.0050	2.18	0.9782	2.36	0.8251	61.5	63.0	6.3E-07	1.27E-06	1.1E-04	0.4084
03-Aug	19:46:00	0.3224	0.77	0.9923	0.0050	2.18	0.9782	2.36	0.8253	62.6	64.1	6.4E-07	1.29E-06	1.2E-04	0.4085
03-Aug	19:48:00	0.3219	0.88	0.9912	0.0057	2.28	0.9772	2.35	0.8250	62.6	64.1	6.4E-07	1.29E-06	1.2E-04	0.4086
03-Aug	19:50:00	0.3218	0.95	0.9905	0.0062	2.35	0.9765	2.35	0.8252	61.5	63.0	6.3E-07	1.26E-06	1.1E-04	0.4087
03-Aug	19:52:00	0.3223	0.80	0.9920	0.0052	2.20	0.9780	2.35	0.8250	61.5	63.0	6.3E-07	1.27E-06	1.1E-04	0.4089
03-Aug	19:54:00	0.3224	0.77	0.9923	0.0050	2.16	0.9784	2.35	0.8251	61.5	63.0	6.3E-07	1.27E-06	1.1E-04	0.4090
03-Aug	19:56:00	0.3223	0.80	0.9920	0.0052	2.20	0.9780	2.34	0.8252	61.5	63.0	6.3E-07	1.27E-06	1.1E-04	0.4091
03-Aug	19:58:00	0.3223	0.80	0.9920	0.0052	2.19	0.9781	2.34	0.8250	61.5	63.0	6.3E-07	1.27E-06	1.1E-04	0.4092
03-Aug	20:00:00	0.3221	0.87	0.9913	0.0057	2.26	0.9774	2.34	0.8254	61.5	63.0	6.3E-07	1.26E-06	1.1E-04	0.4093
03-Aug	20:02:00	0.3222	0.90	0.9910	0.0059	2.28	0.9772	2.33	0.8257	61.5	63.0	6.3E-07	1.26E-06	1.1E-04	0.4094
03-Aug	20:04:00	0.3225	0.79	0.9921	0.0052	2.17	0.9783	2.33	0.8255	61.5	63.0	6.3E-07	1.27E-06	1.1E-04	0.4095
03-Aug	20:06:00	0.3219	0.91	0.9909	0.0059	2.29	0.9771	2.33	0.8249	61.5	63.0	6.3E-07	1.26E-06	1.1E-04	0.4096
03-Aug	20:08:00	0.3223	0.80	0.9920	0.0052	2.17	0.9783	2.33	0.8256	61.5	63.0	6.3E-07	1.27E-06	1.1E-04	0.4098
03-Aug	20:10:00	0.3221	0.90	0.9910	0.0059	2.27	0.9773	2.32	0.8256	61.5	63.0	6.3E-07	1.26E-06	1.1E-04	0.4099
03-Aug	20:12:00	0.3224	0.79	0.9921	0.0052	2.16	0.9784	2.32	0.8253	60.4	61.9	6.2E-07	1.24E-06	1.1E-04	0.4100
03-Aug	20:14:00	0.3225	0.79	0.9921	0.0052	2.16	0.9784	2.32	0.8256	61.5	63.0	6.3E-07	1.27E-06	1.1E-04	0.4101
03-Aug	20:16:00	0.3225	0.79	0.9921	0.0052	2.15	0.9785	2.31	0.8255	61.5	63.0	6.3E-07	1.27E-06	1.1E-04	0.4102
03-Aug	20:18:00	0.3225	0.83	0.9917	0.0054	2.18	0.9782	2.31	0.8255	60.4	61.9	6.2E-07	1.24E-06	1.1E-04	0.4103
03-Aug	20:20:00	0.3226	0.79	0.9921	0.0051	2.14	0.9786	2.31	0.8255	61.5	62.9	6.3E-07	1.27E-06	1.1E-04	0.4104
03-Aug	20:22:00	0.3227	0.78	0.9922	0.0051	2.13	0.9787	2.30	0.8259	60.4	61.9	6.2E-07	1.24E-06	1.1E-04	0.4105
03-Aug	20:24:00	0.3226	0.82	0.9918	0.0053	2.17	0.9783	2.30	0.8260	61.5	62.9	6.3E-07	1.27E-06	1.1E-04	0.4107
03-Aug	20:26:00	0.3225	0.85	0.9917	0.0054	2.17	0.9783	2.29	0.8258	60.4	61.9	6.2E-07	1.24E-06	1.1E-04	0.4108
03-Aug	20:28:00	0.3225	0.82	0.9918	0.0054	2.16	0.9784	2.29	0.8257	60.4	61.9	6.2E-07	1.24E-06	1.1E-04	0.4109
03-Aug	20:30:00	0.3226	0.82	0.9918	0.0053	2.16	0.9784	2.29	0.8257	60.4	61.9	6.2E-07	1.24E-06	1.1E-04	0.4110
03-Aug	20:32:00	0.3226	0.82	0.9918	0.0053	2.15	0.9785	2.28	0.8259	60.4	61.8	6.2E-07	1.24E-06	1.1E-04	0.4111
03-Aug	20:34:00	0.3225	0.82	0.9918	0.0054	2.15	0.9785	2.28	0.8257	60.4	61.8	6.2E-07	1.24E-06	1.1E-04	0.4112
03-Aug	20:36:00	0.3226	0.85	0.9915	0.0055	2.18	0.9782	2.28	0.8260	60.4	61.8	6.2E-07	1.24E-06	1.1E-04	0.4113
03-Aug	20:38:00	0.3226	0.85	0.9915	0.0055	2.18	0.9782	2.27	0.8261	60.4	61.8	6.2E-07	1.24E-06	1.1E-04	0.4114
03-Aug	20:40:00	0.3226	0.85	0.9915	0.0055	2.17	0.9783	2.27	0.8260	60.4	61.8	6.2E-07	1.24E-06	1.1E-04	0.4115
03-Aug	20:42:00	0.3229	0.81	0.9919	0.0053	2.13	0.9787	2.27	0.8264	60.4	61.8	6.2E-07	1.24E-06	1.1E-04	0.4117
03-Aug	20:44:00	0.3228	0.84	0.9916	0.0055	2.16	0.9784	2.26	0.8262	60.4	61.8	6.2E-07	1.24E-06	1.1E-04	0.4118
03-Aug	20:46:00	0.3228	0.84	0.9916	0.0055	2.16	0.9784	2.26	0.8262	60.4	61.8	6.2E-07	1.24E-06	1.1E-04	0.4119
03-Aug	20:48:00	0.3227	0.85	0.9915	0.0055	2.16	0.9784	2.26	0.8260	60.4	61.8	6.2E-07	1.24E-06	1.1E-04	0.4120
03-Aug	20:50:00	0.3228	0.84	0.9916	0.0055	2.15	0.9785	2.26	0.8263	60.4	61.8	6.2E-07	1.24E-06	1.1E-04	0.4121
03-Aug	20:52:00	0.3228	0.84	0.9916	0.0055	2.15	0.9785	2.25	0.8262	59.4	60.7	6.1E-07	1.22E-06	1.1E-04	0.4122
03-Aug	20:54:00	0.3228	0.84	0.9916	0.0055	2.14	0.9786	2.25	0.8264	60.4	61.8	6.2E-07	1.24E-06	1.1E-04	0.4123
03-Aug	20:56:00	0.3229	0.84	0.9916	0.0055	2.14	0.9786	2.25	0.8263	60.4	61.8	6.2E-07	1.24E-06	1.1E-04	0.4124
03-Aug	20:58:00	0.3228	0.84	0.9916	0.0055	2.14	0.9786	2.24	0.8263	60.4	61.8	6.2E-07	1.24E-06	1.1E-04	0.4125
03-Aug	21:00:00	0.3229	0.84	0.9916	0.0055	2.13	0.9787	2.24	0.8262	59.4	60.7	6.1E-07	1.22E-06	1.1E-04	0.4127
03-Aug	21:02:00	0.3229	0.87	0.9913	0.0057	2.16	0.9784	2.24	0.8262	60.4	61.8	6.2E-07	1.24E-06	1.1E-04	0.4128
03-Aug	21:04:00	0.3228	0.87	0.9913	0.0057	2.16	0.9784	2.24	0.8261	60.4	61.8	6.2E-07	1.24E-06	1.1E-04	0.4129

Northwest Hardwoo
Alder
August 1-4, 1996

Y= 1.0119	Span 401.2 567 571 ppmv	DRIFT 11.3%	Cm ft³
Pb= 29.9983 inHg	Zero 0 0 -19 ppmv		
Pb= 101.59 kPa			

NDIR	x	F(x)	A	B	C	D
m	-72.03	43.80	-0.53498	0.00919	-0.00011	0.00000
b	-52.50	33.35	-0.14224	0.00326	-0.00001	
a	-29.30	30.05	-0.02546	0.00056		
p	-16.73	29.73	-0.00896			
r	0.00	29.58				

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
"Date"	"Time"	"Value" Tc F	"Value" Tm F	"Value" VOC ppmv	"Value" RH %	"Value" M lbm	dt	Calculated Wood Mass Wm	Calculated Wood Moisture %Bwc	Wood Water Change dWw	Wood Water Volume Vw(wood)	Meter Reading cuft dVm	Inlet Meter Volume Wet Vm(wet)	Inlet Meter Volume Dry Vm(std)	Inlet Flowrate Dry Q(std)	Inlet Air Moisture Bws(inlet)	Inlet Air Fraction dry md(inlet)	Inlet Water Volume Vw(std)	Inlet Air Moisture BWS(2)	Inlet Air Dry md(2)	Cumulative Chamber Moisture BWS(3)	New Gases at Chamber Conditions Vt	Cgas(wet)	Cgas(Dry)	Mass			
AVG		361.21	299.01	78.35	25.67	14.53																						
01-Aug	09:14:00	190.41	78.55				(hrs)	lbm	%	g	dscf	ft³	wscf	dscf	dscf/min	%		dscf	%		%	ft³	ppmv	ppmv	lbs/min	lbm	lbm/Mdbft	lbm/Mdbft
03-Aug	21:06:00	202.60	80.60	57	24	29.87	-15.13	29.710	0.3%	0.2	0.009	1472.864	0.6574	0.6460	0.3230	0.84	0.9916	0.0053	2.12	0.9788	2.23	0.8262	60.4	61.8	6.2E-07	1.24E-06	1.1E-04	0.4130
03-Aug	21:08:00	202.70	80.60	56	24	29.85	-15.10	29.709	0.3%	0.2	0.009	1473.521	0.6574	0.6453	0.3226	0.94	0.9906	0.0061	2.22	0.9778	2.23	0.8263	59.4	60.7	6.1E-07	1.22E-06	1.1E-04	0.4131
03-Aug	21:10:00	202.60	80.60	56	24	29.87	-15.07	29.709	0.3%	0.2	0.009	1474.179	0.6574	0.6459	0.3230	0.84	0.9916	0.0055	2.12	0.9788	2.23	0.8261	59.4	60.7	6.1E-07	1.22E-06	1.1E-04	0.4132
03-Aug	21:12:00	202.40	80.40	56	24	29.83	-15.03	29.709	0.3%	0.2	0.008	1474.836	0.6574	0.6462	0.3231	0.83	0.9917	0.0054	2.11	0.9789	2.23	0.8262	59.4	60.7	6.1E-07	1.22E-06	1.1E-04	0.4133
03-Aug	21:14:00	202.50	80.30	55	24	29.88	-15.00	29.708	0.3%	0.2	0.008	1475.494	0.6574	0.6464	0.3231	0.83	0.9917	0.0054	2.10	0.9790	2.22	0.8264	58.3	59.6	6.0E-07	1.20E-06	1.1E-04	0.4134
03-Aug	21:16:00	202.40	80.20	56	24	29.84	-14.97	29.708	0.3%	0.2	0.008	1476.151	0.6574	0.6465	0.3231	0.83	0.9917	0.0054	2.10	0.9790	2.22	0.8264	59.4	60.7	6.1E-07	1.22E-06	1.1E-04	0.4135
03-Aug	21:18:00	202.30	80.20	56	24	29.84	-14.93	29.707	0.3%	0.2	0.008	1476.808	0.6574	0.6465	0.3232	0.83	0.9917	0.0054	2.09	0.9791	2.22	0.8262	59.4	60.7	6.1E-07	1.22E-06	1.1E-04	0.4136
03-Aug	21:20:00	202.60	80.30	55	24	29.85	-14.90	29.707	0.3%	0.2	0.008	1477.466	0.6574	0.6464	0.3232	0.83	0.9917	0.0054	2.09	0.9791	2.22	0.8265	58.3	59.6	6.0E-07	1.20E-06	1.1E-04	0.4138
03-Aug	21:22:00	202.50	80.00	55	24	29.87	-14.87	29.707	0.3%	0.2	0.008	1478.123	0.6574	0.6468	0.3234	0.82	0.9918	0.0054	2.08	0.9792	2.21	0.8268	58.3	59.6	6.0E-07	1.20E-06	1.1E-04	0.4139
03-Aug	21:24:00	202.20	80.00	55	24	29.84	-14.83	29.706	0.3%	0.2	0.008	1478.781	0.6574	0.6468	0.3234	0.82	0.9918	0.0054	2.08	0.9792	2.21	0.8263	58.3	59.6	6.0E-07	1.20E-06	1.1E-04	0.4140
03-Aug	21:26:00	202.20	79.90	55	24	29.83	-14.80	29.706	0.3%	0.2	0.008	1479.418	0.6574	0.6469	0.3235	0.82	0.9918	0.0053	2.07	0.9793	2.20	0.8265	58.3	59.6	6.0E-07	1.20E-06	1.1E-04	0.4141
03-Aug	21:28:00	202.20	79.80	55	24	29.84	-14.77	29.705	0.3%	0.2	0.008	1480.096	0.6574	0.6471	0.3235	0.82	0.9918	0.0053	2.07	0.9793	2.20	0.8266	58.3	59.6	6.0E-07	1.20E-06	1.1E-04	0.4142
03-Aug	21:30:00	202.20	79.80	56	24	29.84	-14.73	29.705	0.3%	0.2	0.008	1480.753	0.6574	0.6470	0.3235	0.82	0.9918	0.0053	2.07	0.9793	2.20	0.8266	59.4	60.7	6.1E-07	1.22E-06	1.1E-04	0.4143
03-Aug	21:32:00	202.40	79.70	55	24	29.87	-14.70	29.705	0.3%	0.2	0.008	1481.410	0.6574	0.6472	0.3236	0.81	0.9919	0.0053	2.06	0.9794	2.19	0.8270	58.3	59.6	6.0E-07	1.20E-06	1.1E-04	0.4144
03-Aug	21:34:00	202.10	79.70	54	24	29.84	-14.67	29.704	0.3%	0.2	0.008	1482.068	0.6574	0.6472	0.3236	0.81	0.9919	0.0053	2.06	0.9794	2.19	0.8266	57.3	58.5	5.9E-07	1.18E-06	1.1E-04	0.4145
03-Aug	21:36:00	202.20	79.70	55	24	29.91	-14.63	29.704	0.3%	0.2	0.008	1482.725	0.6574	0.6472	0.3236	0.81	0.9919	0.0053	2.06	0.9794	2.19	0.8267	58.3	59.6	6.0E-07	1.20E-06	1.1E-04	0.4146
03-Aug	21:38:00	202.20	79.70	55	24	29.89	-14.60	29.703	0.3%	0.2	0.008	1483.383	0.6574	0.6472	0.3236	0.81	0.9919	0.0053	2.05	0.9795	2.18	0.8267	58.3	59.6	6.0E-07	1.20E-06	1.1E-04	0.4147
03-Aug	21:40:00	202.20	79.60	54	24	29.87	-14.57	29.703	0.3%	0.2	0.008	1484.040	0.6574	0.6473	0.3237	0.81	0.9919	0.0053	2.05	0.9795	2.18	0.8268	57.3	58.5	5.9E-07	1.18E-06	1.1E-04	0.4148
03-Aug	21:42:00	202.10	79.50	54	24	29.87	-14.53	29.703	0.3%	0.2	0.008	1484.698	0.6574	0.6474	0.3237	0.81	0.9919	0.0053	2.04	0.9796	2.18	0.8268	57.3	58.5	5.9E-07	1.18E-06	1.1E-04	0.4149
03-Aug	21:44:00	202.10	79.70	55	24	29.88	-14.50	29.702	0.3%	0.2	0.008	1485.355	0.6574	0.6472	0.3236	0.81	0.9919	0.0053	2.05	0.9795	2.17	0.8265	58.3	59.6	6.0E-07	1.20E-06	1.1E-04	0.4150
03-Aug	21:46:00	202.20	79.50	54	25	29.87	-14.47	29.702	0.3%	0.2	0.008	1486.012	0.6574	0.6473	0.3236	0.84	0.9916	0.0055	2.07	0.9793	2.17	0.8269	57.3	58.5	5.9E-07	1.18E-06	1.1E-04	0.4151
03-Aug	21:48:00	202.10	79.30	55	25	29.89	-14.43	29.702	0.3%	0.2	0.008	1486.670	0.6574	0.6475	0.3238	0.84	0.9916	0.0055	2.06	0.9794	2.17	0.8271	58.3	59.6	6.0E-07	1.20E-06	1.1E-04	0.4153
03-Aug	21:50:00	202.10	79.30	54	24	29.85	-14.40	29.701	0.3%	0.2	0.008	1487.327	0.6574	0.6477	0.3239	0.80	0.9920	0.0052	2.03	0.9797	2.16	0.8270	57.3	58.5	5.9E-07	1.18E-06	1.1E-04	0.4154
03-Aug	21:52:00	202.10	79.20	54	24	29.85	-14.37	29.701	0.3%	0.2	0.008	1487.913	0.6574	0.6479	0.3239	0.80	0.9920	0.0052	2.02	0.9798	2.16	0.8272	57.3	58.5	5.9E-07	1.18E-06	1.1E-04	0.4155
03-Aug	21:54:00	202.10	79.20	54	25	29.86	-14.33	29.700	0.3%	0.2	0.008	1488.642	0.6574	0.6477	0.3238	0.83	0.9917	0.0054	2.05	0.9795	2.16	0.8272	57.3	58.5	5.9E-07	1.18E-06	1.1E-04	0.4156
03-Aug	21:56:00	201.90	79.20	54	25	29.85	-14.30	29.700	0.3%	0.2	0.008	1489.299	0.6574	0.6476	0.3238	0.83	0.9917	0.0054	2.05	0.9795	2.15	0.8269	57.3	58.5	5.9E-07	1.18E-06	1.1E-04	0.4157
03-Aug	21:58:00	202.00	79.00	54	24	29.85	-14.27	29.700	0.3%	0.2	0.008	1489.957	0.6574	0.6482	0.3241	0.79	0.9921	0.0052	2.01	0.9799	2.15	0.8273	57.3	58.5	5.9E-07	1.18E-06	1.1E-04	0.4158
03-Aug	22:00:00	202.00	79.10	54	25	29.85	-14.23	29.699	0.3%	0.2	0.008	1490.614	0.6574	0.6478	0.3239	0.83	0.9917	0.0054	2.04	0.9796	2.15	0.8271	57.3	58.5	5.9E-07	1.18E-06	1.1E-04	0.4159
03-Aug	22:02:00	202.00	78.90	54	25	29.83	-14.20	29.699	0.3%	0.2	0.008	1491.272	0.6574	0.6481	0.3240	0.82	0.9918	0.0054	2.04	0.9796	2.14	0.8274	57.3	58.5	5.9E-07	1.18E-06	1.1E-04	0.4160
03-Aug	22:04:00	202.00	78.90	53	27	29.85	-14.17	29.699	0.3%	0.2	0.008	1491.929	0.6574	0.6476	0.3238	0.89	0.9911	0.0058	2.10	0.9790	2.14	0.8274	56.2	57.4	5.8E-07	1.16E-06	1.0E-04	0.4161
03-Aug	22:06:00	202.00	78.90	53	26	29.80	-14.13	29.698	0.3%	0.2	0.008	1492.587	0.6574	0.6479	0.3239	0.86	0.9914	0.0056	2.06	0.9794	2.14	0.8274	56.2	57.4	5.8E-07	1.16E-06	1.0E-04	0.4162
03-Aug	22:08:00	202.10	78.90	53	25	29.82	-14.10	29.698	0.3%	0.2	0.008	1493.244	0.6574	0.6481	0.3240	0.82	0.9918	0.0054	2.03	0.9797	2.14	0.8274	56.2	57.4	5.8E-07	1.16E-06	1.0E-04	0.4163
03-Aug	22:10:00	202.10	78.80	53	26	29.83	-14.07	29.697	0.3%	0.2	0.008	1493.901	0.6574	0.6480	0.3240	0.85	0.9915	0.0056	2.06	0.9794	2.14	0.8276	56.2	57.4	5.8E-07	1.16E-06	1.0E-04	0.4164
03-Aug	22:12:00	202.00	78.70	53	25	29.84	-14.03	29.697	0.3%	0.2	0.008	1494.559	0.6574	0.6484	0.3242	0.82	0.9918	0.0054	2.02	0.9798	2.13	0.8276	56.2	57.4	5.8E-07	1.16E-06	1.0E-04	0.4165
03-Aug	22:14:00	202.10	78.70	53	25	29.85	-14.00	29.697	0.3%	0.2	0.008	1495.216	0.6574	0.6483	0.3242	0.82	0.9918	0.0054	2.02	0.9798	2.13	0.8277	56.2	57.4	5.8E-07	1.16E-06	1.0E-04	0.4166
03-Aug	22:16:00	202.10	78.70	53	25	29.87	-13.97	29.696	0.3%	0.2	0.008	1495.874	0.6574	0.6484	0.3242	0.82	0.9918	0.0054	2.01	0.9799	2.13	0.8277	56.2	57.4	5.8E-07	1.16E-06	1.0E-04	0.4167
03-Aug	22:18:00	202.00	78.70	53	25	29.83	-13.93	29.696	0.3%	0.2	0.008	1496.531	0.6574	0.6484	0.3242	0.82	0.9918	0.0054	2.01	0.9799	2.12	0.8276	56.2	57.4	5.8E-07	1.16E-06	1.0E-04	0.4168
03-Aug	22:20:00	202.00	78.70	53	25	29.87	-13.90	29.696	0.3%	0.2	0.008	1497.189	0.6574	0.6484	0.3242	0.82	0.9918	0.0054	2.01	0.9799	2.12	0.8275	56.2	57.4	5.8E-07	1.16E-06	1.0E-04	0.4169
03-Aug	22:22:00	202.00	78.70	53	25	29.85	-13.87	29.695	0.3%	0.2	0.008	1497.846	0.6574	0.6483	0.3242	0.82	0.9918	0.0054	2.01	0.9799	2.12	0.8275	56.2	57.4	5.8E-07	1.16E-06	1.0E-04	0.4170
03-Aug	22:24:00	202.00	78.50	52	26	29.84	-13.83	29.695	0.3%	0.2	0.008	1498.503	0.6574	0.6484	0.3242	0.85	0.9915	0.0055	2.03	0.9797	2.12	0.8278	55.1	56.3	5.7E-07	1.14E-06	1.0E-04	0.4171
03-Aug	22:26:00	202.00	78.40	52	25	29.84	-13.80	29.694	0.3%	0.2	0.008	1499.161	0.6574	0.6488	0.3244	0.81	0.9919	0.0053	1.99	0.9801	2.11	0.8279	55.1	56.3	5.7E-07	1.14E-06	1.0E-04	0.4172
03-Aug	22:28:00	201.80	78.40	53	25	29.86	-13.77	29.694	0.3%	0.2	0.008	1499.818	0.6574	0.6487	0.3244	0.81	0.9919	0.0053	1.99	0.9801	2.11	0.8276	56.2	57.4	5.8E-07	1.16E-06	1.0E-04	0.4173
03-Aug	22:30:00	201.90	78.50	53	25	29.89	-13.73	29.694	0.3%	0.2	0.008	1500.476	0.6574	0.6486	0.3243	0.81	0.9919	0.0053	1.99	0.9801	2.11	0.8276	56.2	57.4	5.8E-07	1.16E-06	1.0E-04	0.4174
03-Aug	22:32:00	202.00	78.40	52	25	29.87	-13.70	29.693	0.3%	0.2	0.008	1501.133	0.6574	0.6488	0.3244	0.81	0.9919	0.0053	1.99	0.9801	2.10	0.8279	55.1	56.3	5.7E-07	1.14E-06	1.0E-04	0.4175
03-Aug	22:34:00	201.70	78.50	51	27	29.89	-13.67	29.693	0.3%	0.2	0.008	1501.790	0.6574	0.6482	0.3241	0.88	0.9912	0.0057	2.05	0.9795	2.10	0.8273	54.1	55.2	5.6E-07	1.12E-06	1.0E-04	0.4176
03-Aug	22:36:00	201.90	78.40	52	26	29.89	-13.63	29.693	0.3%	0.2	0.008	1502.448	0.6574	0.6486	0.3243	0.84	0.9916	0.0055	2.02	0.9798	2.10	0.8277	55.1	56.3	5.7E-07	1.14E-06	1.0E-04	0.4177
03-Aug	22:38:00	201.90	78.40	52	25	29.89	-13.60	29.692	0.3%	0.2	0.008	1503.105	0.6574	0.6488	0.3244	0.81	0.9919	0.0053	1.98	0.9802	2.10	0.8277	55.1	56.3	5.7E-07	1.14E-06	1.0E-04	0.4178
03-Aug	22:40:00	201.90	78.40	52	25	29.85	-13.57	29.692	0.3%	0.2	0.008	1503.763	0.6574	0.6487	0.3244	0.81	0.9919	0.0053	1.98	0.9802	2.09	0.8277	55.1	56.3	5.7E-07	1.14E-06	1.0E-04	0.4179
03-Aug	22:42:00	201.80	78.20	52	25	29.88	-13.53	29.691	0.3%	0.2	0.008	1504.420	0.6574	0.6490	0.3245	0.81	0.9919	0.0053	1.97	0.9803	2.09	0.8279	55.1	56.3	5.7E-07	1.14E-06	1.0E-04	0.4181
03-Aug	22:44:00	201.90	78.40	53	25	29.85	-13.50	29.691	0.3%	0.2	0.008	1505.078	0.6574	0.6488	0.3244	0.81	0.9919	0.0053	1.98	0.9802	2.09	0.8277	56.2	57.4	5.8E-07	1.16E-06	1.0E-04	0.4182
03-Aug	22:46:00	202.10	78.20	51	25	29.85	-13.47	29.691	0.3%	0.2	0.008	1505.735	0.6574	0.6490	0.3245	0.81	0.9919	0.0053	1.97	0.9803	2.08	0.8282	54.1	55.2	5.6E-07	1.12E-06	1.0E-04	0.4183
03-Aug	22:48:00	202.10	78.40	51	28	29.86	-13.43	29.690	0.3%	0.2	0.008	1506.392	0.6574	0.6488	0.3243	0.91	0.9909	0.0059	2.07	0.9793	2.08	0.8278	54.1	55.2	5.6E-07	1.12E-06	1.0E-04	0.4184
03-Aug	22:50:00	201.90	78.30	51	25	29.87	-13.40	29.690	0.3%	0.2	0.008	1507.050	0.6574	0.6489	0.3245	0.81	0.9919	0.0053	1.97	0.9803	2.08	0.8278	54.1	55.2	5.6E-07	1.12E-06	1.0E-04	0.4185
03-Aug	22:52:00	202.00	78.20	51	25	29.91	-13.37	29.690	0.3%	0.2	0.008	1507.707	0.6574	0.6490	0.3245	0.81	0.9919	0.0053	1.96	0.9804	2.08	0.8280	54.1	55.2	5.6E-07	1.12E-06	1.0E-04	0.4186
03-Aug	22:54:00	201.70	78.20	51	25	29.89	-13.33	29.689	0.2%	0.2	0.008	1508.365	0.6574	0.6490	0.3245	0.81	0.9919	0.0053	1.96	0.9804	2.08	0.8276	54.1	55.2	5.6E-07	1.12E-06	1.0E-04	0.4187
03-Aug	22:56:00	201.90	78.20	52	25	29.88	-13.30	29.689	0.2%	0.2	0.008	1509.022	0.6574	0.6490	0.3245	0.81	0.9919	0.0053	1.96	0.9804	2.07	0.8279	55.1	56.3	5.7E-07	1.14E-06	1.0E-04	0.4188
03-Aug	22:58:00	201.80	78.00	51	25	29.91	-13.27	29.689	0.2%	0.2	0.008	1509.680	0.6574	0.6493	0.3247	0.80	0.9920	0.0052	1.95	0.9805	2.07	0.8280	54.1	55.2	5.6E-07	1.12E-06	1.0E-04	0.4189
03-Aug	23:00:00	201.70	78.00	51	26	29.93	-13.23	29.688	0.2%	0.2	0.008	1510.337	0.6574	0.6491	0.3245	0.83	0.9917	0.0054	1.98	0.9802	2.07	0.8279	54.1	55.2	5.6E-07	1.12E-06	1.0E-04	0.4190
03-Aug	23:02:00	201.80	78.10	51	26	29.91	-13.20	29.688	0.2%	0.2	0.008	1510.994	0.6574	0.6490	0.3245	0.84	0.9916	0.0055	1.98	0.9802	2.06	0.8278	54.1	55.2	5.6E-07	1.12E-06	1.0E-04	0.4191
03-Aug	23:04:00	201.70	78.00	50	26	29.92	-13.17	29.688	0.2%	0.2	0.008	1511.652	0.6574	0.6491	0.3246	0.83	0.9917	0.0054	1.98	0.9802	2.06	0.8279	53.0	54.1	5.5E-07	1.10E-06	9.8E-05	0.4192
03-Aug	23:06:00	201.70	77.90	51	26	29.92	-13.13	29.687	0.2%	0.2	0.008	1512.309	0.6574	0.6492	0.3246	0.83	0.9917	0.0054	1.97	0.9803	2.06	0.8280	54.1	55.2	5.6E-07	1.12E-06	1.0E-04	0.4193
03-Aug	23:08:00	201.70	78.00	51	27	29.91	-13.10	29.687	0.2%	0.2	0.008	1512.967	0.6574	0.6489	0.3245	0.86	0.9914	0.0057	2.00	0.9800	2.06	0.8278	54.1	55.2	5.6E-07	1.12E-06	1.0E-04	0.4194
03-Aug	23:10:00	201.70	77.80	51	25	29.92	-13.07	29.686	0.2%	0.2	0.008	1513.624	0.6574	0.6496	0.3248	0.80	0.9920	0.0052	1.93	0.9807	2.06	0.8281	54.1	55.2	5.6E-07	1.12E-06	1.0E-04	0.4195
03-Aug	23:12:00	201.60	77.90	50	27	29.89	-13.03	29.686	0.2%	0.2	0.008	1514.281	0.6574	0.6490	0.3245	0.86	0.9914	0.0056	2.00	0.9800	2.05	0.8278	53.0	54.1	5.5E-07	1.09E-06	9.8E-05	0.4196
03-Aug	23:14:00	201.60	77.70	51	26	29.92	-13.00	29.686	0.2%	0.2	0.008	1514.939	0.6574	0.6495	0.3248	0.82	0.9918	0.0054	1.96	0.9804	2.05	0.8281	54.1	55.2	5.6E-07	1.12E-06	1.0E-04	0.4197
03-Aug	23:16:00	201.80	77.70	50	26	29.91	-12.97	29.685	0.2%	0.2	0.008	1515.596	0.6574	0.6495	0.3248	0.82	0.9918	0.0054	1.96	0.9804	2.05	0.8283	53.0	54.1	5.5E-07	1.10E-06	9.8E-05	0.4197
03-Aug	23:18:00	201.60	77.70	51	26	29.88	-12.93	29.685	0.2%	0.2	0.008	1516.254	0.6574	0.6495	0.3248	0.82	0.9918	0.0054	1.95	0.9805	2.05	0.8281	54.1	55.2	5.6E-07	1.12E-06	1.0E-04	0.4198
03-Aug	23:20:00	201.70	77.80	50	26	29.90	-12.90	29.685	0.2%	0.2	0.008	1516.911	0.6574	0.6494	0.3247	0.83	0.9917	0.0054	1.96	0.9804	2.04	0.8280	53.0	54.1	5.5E-07	1.10E-06	9.8E-05	0.4199
03-Aug	23:22:00	201.60	77.70	50	26	29.92	-12.87	29.684	0.2%	0.2	0.008	1517.569	0.6574	0.6495	0.3248	0.82	0.9918	0.0054	1.95	0.9805	2.04	0.8280	53.0	54.1	5.5E-07	1.10E-06	9.8E-05	0.4200
03-Aug	23:24:00	201.60	77.50	50	25	29.91	-12.83	29.684	0.2%	0.2	0.008	1518.226	0.6574	0.6500	0.3250	0.79	0.9921	0.0052	1.91	0.9809	2.04	0.8283	53.0	54.1	5.5E-07	1.10E-06	9.8E-05	0.4201
03-Aug	23:26:00	201.60	77.50	50	26	29.92	-12.80	29.684	0.2%	0.2	0.008	1518.883	0.6574	0.6498	0.3249	0.82	0.9918	0.0054	1.94	0.9806	2.04	0.8283	53.0	54.1	5.5E-07	1.10E-06	9.8E-05	0.4202
03-Aug	23:28:00	201.60	77.50	50	27	29.92	-12.77	29.683	0.2%	0.2	0.007	1519.541	0.6574	0.6496	0.3248	0.85	0.9915	0.0056	1.97	0.9803	2.03	0.8283	53.0	54.1	5.5E-07	1.10E-06	9.8E-05	0.4203
03-Aug	23:30:00	201.60	77.50	50	25	29.88	-12.73	29.683	0.2%	0.2	0.007	1520.198	0.6574	0.6500	0.3250	0.79	0.9921	0.0052	1.91	0.9809	2.03	0.8283	53.0	54.1	5.5E-07	1.10E-06	9.8E-05	0.4204
03-Aug	23:32:00	201.60	77.50	50	25	29.92	-12.70	29.683	0.2%	0.2	0.007	1520.856	0.6574	0.6500	0.3250	0.79	0.9921	0.0052	1.91	0.9809	2.03	0.8282	53.0	54.1	5.5E-07	1.10E-06	9.8E-05	0.4205
03-Aug	23:34:00	201.60	77.50	50	26	29.92	-12.67	29.682	0.2%	0.2	0.007	1521.513	0.6574	0.6498	0.3249	0.82	0.9918	0.0054	1.93	0.9807	2.02	0.8283	53.0	54.1	5.5E-07	1.10E-06	9.8E-05	0.4206
03-Aug	23:36:00	201.70	77.50	49	25	29.89	-12.63	29.682	0.2%	0.2	0.007	1522.171	0.6574	0.6500	0.3250	0.79	0.9921	0.0052	1.90	0.9810	2.02	0.8284	52.0	53.0	5.4E-07	1.07E-06	9.6E-05	0.4207
03-Aug	23:38:00	201.40	77.50	50	27	29.91	-12.60	29.682	0.2%	0.2	0.007	1522.828	0.6574	0.6496	0.3248	0.85	0.9915	0.0056	1.96	0.9804	2.02	0.8279	53.0	54.1	5.5E-07	1.10E-06	9.8E-05	0.4208
03-Aug	23:40:00	201.40	77.40	49	26	29.88	-12.57	29.681	0.2%	0.2	0.007	1523.485	0.6574	0.6499	0.3250	0.82	0.9918	0.0053	1.93	0.9807	2.02	0.8281	52.0	53.0	5.4E-07	1.07E-06	9.6E-05	0.4209
03-Aug	23:42:00	201.70	77.40	50	25	29.88	-12.53	29.681	0.2%	0.2	0.007	1524.143	0.6574	0.6502	0.3251	0.78	0.9922	0.0051	1.89	0.9811	2.01	0.8285	53.0	54.1	5.5E-07	1.10E-06	9.8E-05	0.4210
03-Aug	23:44:00	201.60	77.30	50	27	29.92	-12.50	29.681	0.2%	0.2	0.007	1524.800	0.6574	0.6499	0.3249	0.84	0.9916	0.0055	1.95	0.9805	2.01	0.8285	53.0	54.1	5.5E-07	1.10E-06	9.8E-05	0.4211
03-Aug	23:46:00	201.50	77.20	50	26	29.92	-12.47	29.680	0.2%	0.2	0.007	1525.458	0.6574	0.6502	0.3251	0.81	0.9919	0.0053	1.92	0.9808	2.01	0.8285	53.0	54.1	5.5E-07	1.10E-06	9.8E-05	0.4212
03-Aug	23:48:00	201.40	77.20	49	26	29.88	-12.43	29.680	0.2%	0.2	0.007	1526.115	0.6574	0.6502	0.3251	0.81	0.9919	0.0053	1.91	0.9809	2.01	0.8284	52.0	53.0	5.4E-07	1.07E-06	9.6E-05	0.4213
03-Aug	23:50:00	201.30	77.20	49	26	29.92	-12.40	29.679	0.2%	0.2	0.007	1526.772	0.6574	0.6502	0.3251	0.81	0.9919	0.0053	1.91	0.9809	2.00	0.8282	52.0	53.0	5.4E-07	1.07E-06	9.6E-05	0.4214
03-Aug	23:52:00	201.40	77.40	50	27	29.91	-12.37	29.679	0.2%	0.2	0.007	1527.430	0.6574	0.6497	0.3249	0.85	0.9915	0.0056	1.95	0.9805	2.00	0.8280	53.0	54.1	5.5E-07	1.10E-06	9.8E-05	0.4215
03-Aug	23:54:00	201.40	77.40	50	27	29.89	-12.33	29.679	0.2%	0.2	0.007	1528.087	0.6574	0.6497	0.3249	0.85	0.9915	0.0056	1.95	0.9805	2.00	0.8280	53.0	54.1	5.5E-07	1.10E-06	9.8E-05	0.4216
03-Aug	23:56:00	201.40	77.20	50	28	29.92	-12.30	29.678	0.2%	0.1	0.007	1528.745	0.6574	0.6498	0.3249	0.87	0.9913	0.0057	1.97	0.9803	2.00	0.8283	53.0	54.1	5.5E-07	1.10E-06	9.8E-05	0.4217
03-Aug	23:58:00	201.30	77.20	48	26	29.88	-12.27	29.678	0.2%	0.2	0.007	1529.402	0.6574	0.6502	0.3251	0.81	0.9919	0.0053	1.91	0.9809	2.00	0.8281	50.9	51.9	5.3E-07	1.05E-06	9.4E-05	0.4218
04-Aug	00:00:00	201.30	77.00	48	26	29.87	-12.23	29.678	0.2%	0.2	0.007	1530.060	0.6574	0.6505	0.3252	0.81	0.9919	0.0053	1.90	0.9810	2.00	0.8285	50.9	51.9	5.3E-07	1.05E-06	9.4E-05	0.4219
04-Aug	00:02:00	201.30	77.10	49	27	29.88	-12.20	29.677	0.2%	0.2	0.007	1530.717	0.6574	0.6501	0.3251	0.84	0.9916	0.0055	1.93	0.9807	1.99	0.8283	52.0	53.0	5.4E-07	1.07E-06	9.6E-05	0.4220
04-Aug	00:04:00	201.30	77.10	49	27	29.87	-12.17	29.677	0.2%	0.2	0.007	1531.374	0.6574	0.6501	0.3251	0.84	0.9916	0.0055	1.93	0.9807	1.99	0.8283	52.0	53.0	5.4E-07	1.07E-06	9.6E-05	0.4221
04-Aug	00:06:00	201.50	77.20	49	26	29.93	-12.13	29.677	0.2%	0.2	0.007	1532.032	0.6574	0.6502	0.3251	0.81	0.9919	0.0053	1.90	0.9810	1.99	0.8284	52.0	53.0	5.4E-07	1.07E-06	9.6E-05	0.4222
04-Aug	00:08:00	201.60	77.10	48	26	29.89	-12.10	29.676	0.2%	0.2	0.007	1532.689	0.6574	0.6504	0.3252	0.81	0.9919	0.0053	1.89	0.9811	1.99	0.8286	50.9	51.9	5.3E-07	1.05E-06	9.4E-05	0.4223
04-Aug	00:10:00	201.40	77.00	49	26	29.88	-12.07	29.676	0.2%	0.2	0.007	1533.347	0.6574	0.6505	0.3252	0.81	0.9919	0.0053	1.89	0.9811	1.99	0.8285	52.0	53.0	5.4E-07	1.07E-06	9.6E-05	0.4224
04-Aug	00:12:00	201.30	77.00	48	29	29.89	-12.03	29.676	0.2%	0.2	0.007	1534.004	0.6574	0.6499	0.3249	0.90	0.9910	0.0059	1.98	0.9802	1.98	0.8284	50.9	51.9	5.3E-07	1.05E-06	9.4E-05	0.4225
04-Aug	00:14:00	201.30	76.90	48	26	29.91	-12.00	29.675	0.2%	0.2	0.007	1534.662	0.6574	0.6506	0.3253	0.80	0.9920	0.0053	1.88	0.9812	1.98	0.8285	50.9	51.9	5.3E-07	1.05E-06	9.4E-05	0.4226
04-Aug	00:16:00	201.40	76.90	49	26	29.91	-11.97	29.675	0.2%	0.2	0.007	1535.319	0.6574	0.6506	0.3253	0.80	0.9920	0.0053	1.88	0.9812	1.98	0.8286	52.0	53.0	5.4E-07	1.07E-06	9.6E-05	0.4227
04-Aug	00:18:00	201.40	76.90	48	28	29.91	-11.93	29.675	0.2%	0.2	0.007	1535.976	0.6574	0.6502	0.3251	0.86	0.9914	0.0057	1.94	0.9806	1.98	0.8286	50.9	51.9	5.3E-07	1.05E-06	9.4E-05	0.4228
04-Aug	00:20:00	201.20	76.80	49	26	29.91	-11.90	29.674	0.2%	0.2	0.007	1536.634	0.6574	0.6508	0.3254	0.80	0.9920	0.0052	1.88	0.9812	1.98	0.8283	52.0	53.0	5.4E-07	1.07E-06	9.6E-05	0.4228
04-Aug	00:22:00	201.30	76.90	48	27	29.88	-11.87	29.674	0.2%	0.2	0.007	1537.291	0.6574	0.6504	0.3252	0.83	0.9917	0.0055	1.91	0.9809	1.97	0.8285	50.9	51.9	5.3E-07	1.05E-06	9.4E-05	0.4229
04-Aug	00:24:00	201.30	76.80	48	26	29.89	-11.83	29.674	0.2%	0.2	0.007	1537.949	0.6574	0.6508	0.3254	0.80	0.9920	0.0052	1.87	0.9813	1.97	0.8286	50.9	51.9	5.3E-07	1.05E-06	9.4E-05	0.4230
04-Aug	00:26:00	201.30	76.80	48	26	29.89	-11.80	29.673	0.2%	0.2	0.007	1538.606	0.6574	0.6508	0.3254	0.80	0.9920	0.0052	1.87	0.9813	1.97	0.8286	50.9	51.9	5.3E-07	1.05E-06	9.4E-05	0.4231
04-Aug	00:28:00	201.40	76.80	48	26	29.92	-11.77	29.673	0.2%	0.2	0.007	1539.263	0.6574	0.6508	0.3254	0.80	0.9920	0.0052	1.87	0.9813	1.97	0.8287	50.9	51.9	5.3E-07	1.05E-06	9.4E-05	0.4232
04-Aug	00:30:00	201.20	76.80	48	29	29.89	-11.73	29.673	0.2%	0.2	0.007	1539.921	0.6574	0.6502	0.3251	0.89	0.9911	0.0059	1.96	0.9804	1.96	0.8284	50.9	51.9	5.3E-07	1.05E-06	9.4E-05	0.4233
04-Aug	00:32:00	201.30	76.80	48	26	29.90	-11.70	29.672	0.2%	0.2	0.007	1540.578	0.6574	0.6508	0.3254	0.80	0.9920	0.0052	1.87	0.9813	1.96	0.8286	50.9	51.9	5.3E-07	1.05E-06	9.4E-05	0.4234
04-Aug	00:34:00	201.30	76.90	47	29	29.92	-11.67	29.672	0.2%	0.2	0.007	1541.236	0.6574	0.6500	0.3250	0.90	0.9910	0.0059	1.96	0.9804	1.96	0.8284	49.8	50.8	5.1E-07	1.03E-06	9.2E-05	0.4235
04-Aug	00:36:00	201.30	76.70	47	26	29.89	-11.63	29.672	0.2%	0.2	0.007	1541.893	0.6574	0.6509	0.3255	0.80	0.9920	0.0052	1.86	0.9814	1.96	0.8287	49.8	50.8	5.2E-07	1.03E-06	9.2E-05	0.4236
04-Aug	00:38:00	201.30	76.70	48	26	29.88	-11.60	29.671	0.2%	0.2	0.007	1542.551	0.6574	0.6509	0.3255	0.80	0.9920	0.0052	1.86	0.9814	1.96	0.8287	50.9	51.9	5.3E-07	1.05E-06	9.4E-05	0.4237
04-Aug	00:40:00	201.30	76.80	47	26	29.92	-11.57	29.671	0.2%	0.2	0.007	1543.208	0.6574	0.6508	0.3254	0.80	0.9920	0.0052	1.86	0.9814	1.96	0.8283	49.8	50.8	5.2E-07	1.03E-06	9.2E-05	0.4238
04-Aug	00:42:00	201.30	76.70	48	26	29.92	-11.53	29.671	0.2%	0.2	0.007	1543.865	0.6574	0.6509	0.3255	0.80	0.9920	0.0052	1.86	0.9814	1.95	0.8286	50.9	51.9	5.3E-07	1.05E-06	9.4E-05	0.4239
04-Aug	00:44:00	201.30	76.70	47	26	29.89	-11.50	29.670	0.2%	0.2	0.007	1544.523	0.6574	0.6509	0.3255	0.80	0.9920	0.0052	1.86	0.9814	1.95	0.8286	49.8	50.8	5.2E-07	1.03E-06	9.2E-05	0.4240
04-Aug	00:46:00	201.00	76.60	48	26	29.91	-11.47	29.670	0.2%	0.1	0.007	1545.180	0.6574	0.6510	0.3255	0.79	0.9921	0.0052	1.85	0.9815	1.95	0.8284	50.9	51.9	5.3E-07	1.05E-06	9.4E-05	0.4241
04-Aug	00:48:00	201.20	76.60	47	26	29.89	-11.43	29.670	0.2%	0.1	0.007	1545.838	0.6574	0.6510	0.3255	0.79	0.9921	0.0052	1.85	0.9815	1.95	0.8286	49.8	50.8	5.2E-07	1.03E-06	9.2E-05	0.4242
04-Aug	00:50:00	201.30	76.60	47	26	29.92	-11.40	29.669	0.2%	0.1	0.007	1546.495	0.6574	0.6510	0.3255	0.79	0.9921	0.0052	1.85	0.9815	1.94	0.8287	49.8	50.8	5.2E-07	1.03E-06	9.2E-05	0.4242
04-Aug	00:52:00	201.10	76.60	47	29	29.88	-11.37	29.669	0.2%	0.1	0.007	1547.153	0.6574	0.6504	0.3252	0.89	0.9911	0.0058	1.94	0.9806	1.94	0.8285	49.8	50.8	5.2E-07	1.03E-06	9.2E-05	0.4243
04-Aug	00:54:00	201.10	76.60	47	26	29.89	-11.33	29.669	0.2%	0.1	0.007	1547.810	0.6574	0.6510	0.3255	0.79	0.9921	0.0052	1.85	0.9815	1.94	0.8285	49.8	50.8	5.2E-07	1.03E-06	9.2E-05	0.4244
04-Aug	00:56:00	201.10	76.50	47	26	29.88	-11.30	29.668	0.2%	0.1	0.007	1548.467	0.6574	0.6512	0.3256	0.79	0.9921	0.0052	1.84	0.9816	1.94	0.8286	49.8	50.8	5.2E-07	1.03E-06	9.2E-05	0.4245
04-Aug	00:58:00	201.10	76.70	47	28	29.88	-11.27	29.668	0.2%	0.1	0.007	1549.125	0.6574	0.6505	0.3253	0.86	0.9914	0.0056	1.91	0.9809	1.94	0.8283	49.8	50.8	5.2E-07	1.03E-06	9.2E-05	0.4246
04-Aug	01:00:00	201.30	76.50	47	26	29.88	-11.23	29.668	0.2%	0.1	0.007	1549.782	0.6574	0.6512	0.3256	0.79	0.9921	0.0052	1.84	0.9816	1.94	0.8288	49.8	50.8	5.2E-07	1.03E-06	9.2E-05	0.4247
04-Aug	01:02:00	201.20	76.50	47	29	29.92	-11.20	29.667	0.2%	0.1	0.007	1550.440	0.6574	0.6506	0.3253	0.88	0.9912	0.0058	1.93	0.9807	1.93	0.8287	49.8	50.8	5.2E-07	1.03E-06	9.2E-05	0.4248
04-Aug	01:04:00	201.30	76.50	46	26	29.92	-11.17	29.667	0.2%	0.1	0.007	1551.097	0.6574	0.6512	0.3256	0.79	0.9921	0.0052	1.84	0.9816	1.93	0.8288	48.8	49.7	5.0E-07	1.01E-06	9.0E-05	0.4249
04-Aug	01:06:00	201.20	76.60	47	26	29.89	-11.13	29.667	0.2%	0.1	0.007	1551.754	0.6574	0.6510	0.3255	0.79	0.9921	0.0052	1.84	0.9816	1.93	0.8285	49.8	50.8	5.2E-07	1.03E-06	9.2E-05	0.4250
04-Aug	01:08:00	201.10	76.60	47	27	29.90	-11.10	29.666	0.2%	0.1	0.007	1552.412	0.6574	0.6508	0.3254	0.83	0.9917	0.0054	1.87	0.9813	1.93	0.8284	49.8	50.8	5.2E-07	1.03E-06	9.2E-05	0.4251
04-Aug	01:10:00	201.20	76.50	47	29	29.93	-11.07	29.666	0.2%	0.1	0.007	1553.069	0.6574	0.6506	0.3253	0.88	0.9912	0.0058	1.92	0.9808	1.93	0.8287	49.8	50.8	5.2E-07	1.03E-06	9.2E-05	0.4252
04-Aug	01:12:00	201.00	76.50	47	27	29.88	-11.03	29.666	0.2%	0.1	0.007	1553.727	0.6574	0.6510	0.3255	0.82	0.9918	0.0054	1.86	0.9814	1.93	0.8284	49.8	50.8	5.2E-07	1.03E-06	9.2E-05	0.4253
04-Aug	01:14:00	201.10	76.40	47	27	29.90	-11.00	29.665	0.2%	0.1	0.007	1554.384	0.6574	0.6511	0.3256	0.82	0.9918	0.0054	1.86	0.9814	1.92	0.8287	49.8	50.8	5.2E-07	1.03E-06	9.2E-05	0.4254
04-Aug	01:16:00	201.00	76.30	46	27	29.89	-10.97	29.665	0.2%	0.1	0.007	1555.042	0.6574	0.6513	0.3256	0.82	0.9918	0.0054	1.85	0.9815	1.92	0.8287	48.8	49.7	5.0E-07	1.01E-06	9.0E-05	0.4254
04-Aug	01:18:00	201.00	76.40	47	26	29.89	-10.93	29.665	0.2%	0.1	0.007	1555.699	0.6574	0.6513	0.3257	0.79	0.9921	0.0052	1.83	0.9817	1.92	0.8285	49.8	50.8	5.2E-07	1.03E-06	9.2E-05	0.4255
04-Aug	01:20:00	201.00	76.50	46	27	29.88	-10.90	29.664	0.2%	0.1	0.007	1556.356	0.6574	0.6510	0.3255	0.82	0.9918	0.0054	1.86	0.9814	1.92	0.8284	48.8	49.7	5.0E-07	1.01E-06	9.0E-05	0.4256
04-Aug	01:22:00	200.80	76.50	47	27	29.88	-10.87	29.664	0.2%	0.1	0.007	1557.014	0.6574	0.6510	0.3255	0.82	0.9918	0.0054	1.86	0.9814	1.92	0.8281	49.8	50.8	5.2E-07	1.03E-06	9.2E-05	0.4257
04-Aug	01:24:00	200.90	76.40	46	26	29.87	-10.83	29.664	0.2%	0.1	0.007	1557.671	0.6574	0.6513	0.3257	0.79	0.9921	0.0052	1.82	0.9818	1.91	0.8284	48.8	49.7	5.0E-07	1.01E-06	9.0E-05	0.4258
04-Aug	01:26:00	201.00	76.40	46	26	29.91	-10.80	29.664	0.2%	0.1	0.007	1558.329	0.6574	0.6513	0.3257	0.79	0.9921	0.0052	1.82	0.9818	1.91	0.8281	48.8	49.7	5.0E-07	1.01E-06	9.0E-05	0.4259
04-Aug	01:28:00	201.00	76.40	46	26	29.89	-10.77	29.663	0.2%	0.1	0.007	1558.986	0.6574	0.6513	0.3257	0.79	0.9921	0.0052	1.82	0.9818	1.91	0.8285	48.8	49.7	5.0E-07	1.01E-06	9.0E-05	0.4260
04-Aug	01:30:00	201.10	76.40	46	26	29.89	-10.73	29.663	0.2%	0.1	0.007	1559.643	0.6574	0.6513	0.3257	0.79	0.9921	0.0052	1.82	0.9818	1.91	0.8286	48.8	49.7	5.0E-07	1.01E-06	9.0E-05	0.4261
04-Aug	01:32:00	201.30	76.50	46	26	29.88	-10.70	29.663	0.2%	0.1	0.007	1560.301	0.6574	0.6512	0.3256	0.79	0.9921	0.0052	1.82	0.9818	1.90	0.8287	48.8	49.7	5.0E-07	1.01E-06	9.0E-05	0.4262
04-Aug	01:34:00	201.20	76.50	46	26	29.91	-10.67	29.662	0.2%	0.1	0.007	1560.958	0.6574	0.6512	0.3256	0.79	0.9921	0.0052	1.82	0.9818	1.90	0.8285	48.8	49.7	5.0E-07	1.01E-06	9.0E-05	0.4263
04-Aug	01:36:00	201.30	76.50	46	26	29.88	-10.63	29.662	0.2%	0.1	0.007	1561.616	0.6574	0.6512	0.3256	0.79	0.9921	0.0052	1.82	0.9818	1.90	0.8286	48.8	49.7	5.0E-07	1.01E-06	9.0E-05	0.4263
04-Aug	01:38:00	201.00	76.30	46	27	29.86	-10.60	29.662	0.2%	0.1	0.007	1562.273	0.6574	0.6513	0.3256	0.82	0.9918	0.0054	1.84	0.9816	1.90	0.8286	48.8	49.7	5.0E-07	1.01E-06	9.0E-05	0.4264
04-Aug	01:40:00	201.20	76.30	47	26	29.89	-10.57	29.661	0.2%	0.1	0.007	1562.931	0.6574	0.6515	0.3257	0.79	0.9921	0.0052	1.81	0.9819	1.90	0.8288	49.8	50.8	5.2E-07	1.03E-06	9.2E-05	0.4265
04-Aug	01:42:00	201.30	76.30	46	26	29.85	-10.53	29.661	0.2%	0.1	0.007	1563.588	0.6574	0.6515	0.3257	0.79	0.9921	0.0052	1.81	0.9819	1.89	0.8289	48.8	49.7	5.0E-07	1.01E-06	9.0E-05	0.4266
04-Aug	01:44:00	201.20	76.20	46	26	29.85	-10.50	29.661	0.2%	0.1	0.007	1564.245	0.6574	0.6516	0.3258	0.78	0.9922	0.0052	1.80	0.9820	1.89	0.8289	48.8	49.7	5.0E-07	1.01E-06	9.0E-05	0.4267
04-Aug	01:46:00	201.30	76.40	46	27	29.89	-10.47	29.660	0.2%	0.1	0.007	1564.903	0.6574	0.6511	0.3256	0.82	0.9918	0.0054	1.84	0.9816	1.89	0.8287	48.8	49.7	5.0E-07	1.01E-06	9.0E-05	0.4268
04-Aug	01:48:00	201.10	76.30	46	27	29.86	-10.43	29.660	0.2%	0.1	0.007	1565.560	0.6574	0.6513	0.3256	0.82	0.9918	0.0054	1.83	0.9817	1.89	0.8286	48.8	49.7	5.0E-07	1.01E-06	9.0E-05	0.4269
04-Aug	01:50:00	201.10	76.30	46	27	29.85	-10.40	29.660	0.2%	0.1	0.007	1566.218	0.6574	0.6513	0.3256	0.82	0.9918	0.0054	1.83	0.9817	1.89	0.8286	48.8	49.7	5.0E-07	1.01E-06	9.0E-05	0.4270
04-Aug	01:52:00	201.30	76.30	44	26	29.85	-10.37	29.659	0.2%	0.1	0.007	1566.875	0.6574	0.6515	0.3257	0.79	0.9921	0.0052	1.80	0.9820	1.88	0.8289	46.7	47.5	4.8E-07	9.66E-07	8.6E-05	0.4271
04-Aug	01:54:00	201.30	76.20	45	27	29.85	-10.33	29.659	0.2%	0.1	0.007	1567.533	0.6574	0.6514	0.3257	0.81	0.9919	0.0053	1.83	0.9817	1.88	0.8288	47.7	48.6	4.9E-07	9.87E-07	8.8E-05	0.4272
04-Aug	01:56:00	201.40	76.20	45	27	29.87	-10.30	29.659	0.2%	0.1	0.007	1568.190	0.6574	0.6514	0.3257	0.81	0.9919	0.0053	1.83	0.9817	1.88	0.8291	47.7	48.6	4.9E-07	9.87E-07	8.8E-05	0.4272
04-Aug	01:58:00	201.30	76.20	46	27	29.86	-10.27	29.658	0.2%	0.1	0.007	1568.847	0.6574	0.6514	0.3257	0.81	0.9919	0.0053	1.82	0.9818	1.88	0.8287	48.8	49.7	5.0E-07	1.01E-06	9.0E-05	0.4273
04-Aug	02:00:00	201.30	76.20	46	27	29.89	-10.23	29.658	0.2%	0.1	0.007	1569.505	0.6574	0.6514	0.3257	0.81	0.9919	0.0053	1.82	0.9818	1.88	0.8290	48.8	49.7	5.0E-07	1.01E-06	9.0E-05	0.4274
04-Aug	02:02:00	201.30	76.20	46	27	29.85	-10.20	29.658	0.2%	0.1	0.007	1570.162	0.6574	0.6514	0.3257	0.81	0.9919	0.0053	1.82	0.9818	1.88	0.8290	48.8	49.7	5.0E-07	1.01E-06	9.0E-05	0.4275
04-Aug	02:04:00	201.20	76.10	45	27	29.88	-10.17	29.657	0.2%	0.1	0.007	1570.820	0.6574	0.6515	0.3258	0.81	0.9919	0.0053	1.82	0.9818	1.88	0.8290	47.7	48.6	4.9E-07	9.88E-07	8.8E-05	0.4276
04-Aug	02:06:00	201.20	76.10	45	27	29.89	-10.13	29.657	0.2%	0.1	0.007	1571.477	0.6574	0.6515	0.3258	0.81	0.9919	0.0053	1.82	0.9818	1.87	0.8290	47.7	48.6	4.9E-07	9.88E-07	8.8E-05	0.4277
04-Aug	02:08:00	201.20	76.00	46	27	29.89	-10.10	29.657	0.2%	0.1	0.007	1572.134	0.6574	0.6517	0.3258	0.81	0.9919	0.0053	1.81	0.9819	1.87	0.8291	48.8	49.7	5.0E-07	1.01E-06	9.0E-05	0.4278
04-Aug	02:10:00	201.30	76.10	46	27	29.87	-10.07	29.657	0.2%	0.1	0.007	1572.792	0.6574	0.6515	0.3258	0.81	0.9919	0.0053	1.81	0.9819	1.87	0.8291	48.8	49.7	5.0E-07	1.01E-06	9.0E-05	0.4279
04-Aug	02:12:00	201.30	76.20	45	27	29.89	-10.03	29.656	0.2%	0.1	0.007	1573.449	0.6574	0.6514	0.3257	0.81	0.9919	0.0053	1.82	0.9818	1.87	0.8289	47.7	48.6	4.9E-07	9.87E-07	8.8E-05	0.4280
04-Aug	02:14:00	201.30	76.20	45	27	29.89	-10.00	29.656	0.2%	0.1	0.007	1574.107	0.6574	0.6514	0.3257	0.81	0.9919	0.0053	1.83	0.9819	1.87	0.8289	47.7	48.6	4.9E-07	9.87E-07	8.8E-05	0.4281
04-Aug	02:16:00	201.30	76.00	44	27	29.87	-9.97	29.656	0.2%	0.1	0.007	1574.764	0.6574	0.6517	0.3258	0.81	0.9919	0.0053	1.81	0.9819	1.87	0.8292	46.7	47.5	4.8E-07	9.64E-07	8.6E-05	0.4281

Northwest Hardwoods
Alder
August 1-4, 1996

Y=	1.0119	Span	641.2 / 567 / 571 ppmv
Pb=	29.9983 inHg	Zero	0 / 0 / -19 ppmv
Pb=	101.59 kPa	DBFT	11.18
		Cm	R²

NDDP	x	F(x)	A	B	C	D
m	-72.03	43.80	-0.53498	0.00919	-0.00011	0.00000
n	-52.50	33.35	-0.14224	0.00126	-0.00005	
p	-29.30	30.65	-0.02546	0.00056		
q	-16.73	29.73	-0.00896			
r	0.00	29.58				

1 "Date"	2 "Time"	3 "Value" Tc F	4 "Value" Tm F	5 "Value" VOC ppmv	6 "Value" RH %	7 "Value" M lbm	8 dt (hrs)	9 Calculated Wood Mass Wm lbm	10 Calculated Wood Moisture %Bwc %	11 Wood Water Change dWw g	12 Wood Water Volume Vw(wood) dscf	13 Meter Reading cuft dVm ft³	14 Inlet Meter Volume Wet Vm(wet) wacf	15 Inlet Meter Volume Dry Vm(std) dscf	16 Inlet Flowrate Dry Q(std) dscf/min	17 Inlet Air Moisture Bws(inlet) %	18 Inlet Air Fraction dry mfg(inlet)	19 Inlet Water Volume Vw(std) dscf	20 Inlet Air Moisture BWS(2) %	21 Inlet Air Dry mfg(2)	22 Cumulative Chamber Moisture BWS(3) %	23 New Gases at Chamber Conditions Vl ft³	24 Cgas(wet) ppmv	25 Cgas(Dry) ppmv	26 Mgas lbm/min	27 lbs	28 lbs/MMbft	29 lbs/MMbft
AVG		361.21	299.01	78.15	25.67	14.53																						
01-Aug	09:14:00	190.43	78.55																									
04-Aug	02:18:00	201.30	76.10	45	27	29.87	-9.93	29.655	0.2%	0.1	0.007	1575.422	0.6574	0.6515	0.3258	0.81	0.9919	0.0053	1.81	0.9819	1.86	0.8290	47.7	48.6	4.9E-07	9.87E-07	8.8E-05	0.4282
04-Aug	02:20:00	201.20	76.00	44	27	29.86	-9.90	29.655	0.2%	0.1	0.007	1576.079	0.6574	0.6517	0.3258	0.81	0.9919	0.0053	1.81	0.9819	1.86	0.8291	46.7	47.5	4.8E-07	9.66E-07	8.6E-05	0.4283
04-Aug	02:22:00	201.20	76.00	44	27	29.86	-9.87	29.655	0.2%	0.1	0.007	1576.736	0.6574	0.6517	0.3258	0.81	0.9919	0.0053	1.80	0.9820	1.86	0.8290	46.7	47.5	4.8E-07	9.66E-07	8.6E-05	0.4284
04-Aug	02:24:00	201.10	75.90	45	27	29.86	-9.83	29.654	0.2%	0.1	0.007	1577.394	0.6574	0.6518	0.3259	0.81	0.9919	0.0053	1.80	0.9820	1.86	0.8291	47.7	48.6	4.9E-07	9.88E-07	8.8E-05	0.4285
04-Aug	02:26:00	201.10	76.00	44	27	29.84	-9.80	29.654	0.2%	0.1	0.007	1578.051	0.6574	0.6517	0.3258	0.81	0.9919	0.0053	1.80	0.9820	1.86	0.8289	46.7	47.5	4.8E-07	9.66E-07	8.6E-05	0.4286
04-Aug	02:28:00	201.00	75.80	44	27	29.87	-9.77	29.654	0.2%	0.1	0.007	1578.709	0.6574	0.6520	0.3260	0.80	0.9920	0.0053	1.80	0.9820	1.86	0.8291	46.7	47.5	4.8E-07	9.66E-07	8.6E-05	0.4287
04-Aug	02:30:00	201.00	75.80	45	27	29.84	-9.73	29.653	0.2%	0.1	0.007	1579.366	0.6574	0.6520	0.3260	0.80	0.9920	0.0053	1.79	0.9821	1.86	0.8291	47.7	48.6	4.9E-07	9.87E-07	8.8E-05	0.4287
04-Aug	02:32:00	200.90	75.80	44	28	29.85	-9.70	29.653	0.2%	0.1	0.007	1580.024	0.6574	0.6518	0.3259	0.83	0.9917	0.0055	1.82	0.9818	1.85	0.8289	46.7	47.5	4.8E-07	9.66E-07	8.6E-05	0.4288
04-Aug	02:34:00	200.90	75.80	44	27	29.86	-9.67	29.653	0.2%	0.1	0.007	1580.681	0.6574	0.6520	0.3260	0.80	0.9920	0.0053	1.79	0.9821	1.85	0.8289	46.7	47.5	4.8E-07	9.66E-07	8.6E-05	0.4289
04-Aug	02:36:00	201.10	76.00	44	28	29.85	-9.63	29.652	0.2%	0.1	0.007	1581.338	0.6574	0.6513	0.3257	0.84	0.9916	0.0055	1.83	0.9817	1.85	0.8289	46.7	47.5	4.8E-07	9.65E-07	8.6E-05	0.4290
04-Aug	02:38:00	201.00	75.90	44	28	29.87	-9.60	29.652	0.2%	0.1	0.007	1581.996	0.6574	0.6516	0.3258	0.84	0.9916	0.0055	1.82	0.9818	1.85	0.8289	46.7	47.5	4.8E-07	9.65E-07	8.6E-05	0.4291
04-Aug	02:40:00	200.70	75.70	44	28	29.85	-9.57	29.652	0.2%	0.1	0.007	1582.653	0.6574	0.6519	0.3260	0.83	0.9917	0.0055	1.82	0.9818	1.85	0.8288	46.7	47.5	4.8E-07	9.66E-07	8.6E-05	0.4292
04-Aug	02:42:00	200.80	75.70	44	28	29.86	-9.53	29.652	0.2%	0.1	0.007	1583.311	0.6574	0.6519	0.3260	0.83	0.9917	0.0055	1.81	0.9819	1.85	0.8289	46.7	47.5	4.8E-07	9.66E-07	8.6E-05	0.4293
04-Aug	02:44:00	201.00	75.70	44	28	29.87	-9.50	29.651	0.2%	0.1	0.007	1583.968	0.6574	0.6519	0.3260	0.83	0.9917	0.0055	1.81	0.9819	1.85	0.8292	46.7	47.5	4.8E-07	9.66E-07	8.6E-05	0.4294
04-Aug	02:46:00	201.00	75.80	43	28	29.89	-9.47	29.651	0.2%	0.1	0.007	1584.625	0.6574	0.6518	0.3259	0.83	0.9917	0.0055	1.82	0.9818	1.85	0.8290	45.6	46.5	4.7E-07	9.44E-07	8.4E-05	0.4294
04-Aug	02:48:00	200.90	75.70	44	28	29.83	-9.43	29.651	0.2%	0.1	0.007	1585.283	0.6574	0.6519	0.3260	0.83	0.9917	0.0055	1.81	0.9819	1.85	0.8290	46.7	47.5	4.8E-07	9.66E-07	8.6E-05	0.4295
04-Aug	02:50:00	201.30	75.80	44	28	29.86	-9.40	29.650	0.2%	0.1	0.007	1585.940	0.6574	0.6518	0.3259	0.83	0.9917	0.0055	1.81	0.9819	1.85	0.8293	46.7	47.5	4.8E-07	9.66E-07	8.6E-05	0.4296
04-Aug	02:52:00	201.10	75.80	44	28	29.86	-9.37	29.650	0.2%	0.1	0.007	1586.598	0.6574	0.6518	0.3259	0.83	0.9917	0.0055	1.81	0.9819	1.84	0.8291	46.7	47.5	4.8E-07	9.66E-07	8.6E-05	0.4297
04-Aug	02:54:00	201.10	75.80	44	28	29.86	-9.33	29.650	0.2%	0.1	0.007	1587.255	0.6574	0.6518	0.3259	0.83	0.9917	0.0055	1.81	0.9819	1.84	0.8291	46.7	47.5	4.8E-07	9.66E-07	8.6E-05	0.4298
04-Aug	02:56:00	200.90	75.80	44	28	29.85	-9.30	29.649	0.2%	0.1	0.007	1587.913	0.6574	0.6518	0.3259	0.83	0.9917	0.0055	1.81	0.9819	1.84	0.8288	46.7	47.5	4.8E-07	9.66E-07	8.6E-05	0.4299
04-Aug	02:58:00	201.00	75.60	43	28	29.84	-9.27	29.649	0.2%	0.1	0.007	1588.570	0.6574	0.6520	0.3260	0.83	0.9917	0.0054	1.80	0.9820	1.84	0.8292	45.6	46.4	4.7E-07	9.44E-07	8.4E-05	0.4300
04-Aug	03:00:00	201.00	75.70	44	28	29.88	-9.23	29.649	0.2%	0.1	0.007	1589.227	0.6574	0.6519	0.3260	0.83	0.9917	0.0055	1.80	0.9820	1.84	0.8291	46.7	47.5	4.8E-07	9.66E-07	8.6E-05	0.4300
04-Aug	03:02:00	200.80	75.70	44	28	29.88	-9.20	29.648	0.2%	0.1	0.007	1589.885	0.6574	0.6519	0.3260	0.83	0.9917	0.0055	1.80	0.9820	1.84	0.8288	46.7	47.5	4.8E-07	9.66E-07	8.6E-05	0.4301
04-Aug	03:04:00	201.00	75.70	43	28	29.86	-9.17	29.648	0.2%	0.1	0.007	1590.542	0.6574	0.6519	0.3260	0.83	0.9917	0.0055	1.80	0.9820	1.84	0.8291	45.6	46.4	4.7E-07	9.44E-07	8.4E-05	0.4302
04-Aug	03:06:00	200.80	75.60	43	28	29.88	-9.13	29.648	0.2%	0.1	0.006	1591.200	0.6574	0.6520	0.3260	0.83	0.9917	0.0054	1.80	0.9820	1.84	0.8290	45.6	46.4	4.7E-07	9.44E-07	8.4E-05	0.4303
04-Aug	03:08:00	200.90	75.50	43	28	29.85	-9.10	29.648	0.2%	0.1	0.006	1591.857	0.6574	0.6522	0.3261	0.83	0.9917	0.0054	1.79	0.9821	1.84	0.8292	45.6	46.4	4.7E-07	9.44E-07	8.4E-05	0.4304
04-Aug	03:10:00	200.90	75.70	43	28	29.85	-9.07	29.647	0.2%	0.1	0.006	1592.515	0.6574	0.6519	0.3260	0.83	0.9917	0.0055	1.80	0.9820	1.84	0.8289	45.6	46.4	4.7E-07	9.44E-07	8.4E-05	0.4305
04-Aug	03:12:00	201.00	75.50	43	28	29.85	-9.03	29.647	0.2%	0.1	0.006	1593.172	0.6574	0.6522	0.3261	0.83	0.9917	0.0054	1.79	0.9821	1.83	0.8293	45.6	46.4	4.7E-07	9.44E-07	8.4E-05	0.4305
04-Aug	03:14:00	201.00	75.70	44	28	29.84	-9.00	29.647	0.2%	0.1	0.006	1593.829	0.6574	0.6519	0.3259	0.83	0.9917	0.0055	1.80	0.9820	1.83	0.8290	46.7	47.5	4.8E-07	9.66E-07	8.6E-05	0.4306
04-Aug	03:16:00	201.00	75.60	43	28	29.87	-8.97	29.646	0.2%	0.1	0.006	1594.487	0.6574	0.6520	0.3260	0.83	0.9917	0.0054	1.79	0.9821	1.83	0.8292	45.6	46.4	4.7E-07	9.44E-07	8.4E-05	0.4307
04-Aug	03:18:00	200.90	75.60	43	28	29.85	-8.93	29.646	0.2%	0.1	0.006	1595.144	0.6574	0.6520	0.3260	0.83	0.9917	0.0054	1.79	0.9821	1.83	0.8290	45.6	46.4	4.7E-07	9.44E-07	8.4E-05	0.4308
04-Aug	03:20:00	200.90	75.60	43	28	29.87	-8.90	29.646	0.2%	0.1	0.006	1595.802	0.6574	0.6520	0.3260	0.83	0.9917	0.0054	1.79	0.9821	1.83	0.8290	45.6	46.4	4.7E-07	9.44E-07	8.4E-05	0.4309
04-Aug	03:22:00	200.80	75.50	43	28	29.83	-8.87	29.645	0.1%	0.1	0.006	1596.459	0.6574	0.6522	0.3261	0.83	0.9917	0.0054	1.79	0.9821	1.83	0.8290	45.6	46.4	4.7E-07	9.44E-07	8.4E-05	0.4310
04-Aug	03:24:00	200.80	75.40	42	28	29.85	-8.83	29.645	0.1%	0.1	0.006	1597.116	0.6574	0.6523	0.3262	0.82	0.9918	0.0054	1.78	0.9822	1.83	0.8292	44.5	45.4	4.6E-07	9.22E-07	8.3E-05	0.4311
04-Aug	03:26:00	200.80	75.40	43	28	29.84	-8.80	29.645	0.1%	0.1	0.006	1597.774	0.6574	0.6523	0.3262	0.82	0.9918	0.0054	1.78	0.9822	1.83	0.8292	45.6	46.4	4.7E-07	9.44E-07	8.4E-05	0.4311
04-Aug	03:28:00	201.00	75.50	43	28	29.84	-8.77	29.645	0.1%	0.1	0.006	1598.431	0.6574	0.6522	0.3261	0.83	0.9917	0.0054	1.78	0.9822	1.83	0.8293	45.6	46.4	4.7E-07	9.44E-07	8.4E-05	0.4312
04-Aug	03:30:00	200.90	75.40	43	28	29.81	-8.73	29.644	0.1%	0.1	0.006	1599.089	0.6574	0.6523	0.3262	0.82	0.9918	0.0054	1.78	0.9822	1.82	0.8293	45.6	46.4	4.7E-07	9.44E-07	8.4E-05	0.4313
04-Aug	03:32:00	200.80	75.30	43	28	29.86	-8.70	29.644	0.1%	0.1	0.006	1599.746	0.6574	0.6525	0.3262	0.82	0.9918	0.0054	1.78	0.9822	1.82	0.8293	45.6	46.4	4.7E-07	9.44E-07	8.4E-05	0.4314
04-Aug	03:34:00	200.90	75.30	43	28	29.85	-8.67	29.644	0.1%	0.1	0.006	1600.404	0.6574	0.6525	0.3262	0.82	0.9918	0.0054	1.78	0.9822	1.82	0.8294	45.6	46.4	4.7E-07	9.44E-07	8.4E-05	0.4315
04-Aug	03:36:00	201.00	75.30	43	28	29.85	-8.63	29.643	0.1%	0.1	0.006	1601.061	0.6574	0.6525	0.3262	0.82	0.9918	0.0054	1.77	0.9823	1.82	0.8295	45.6	46.4	4.7E-07	9.44E-07	8.4E-05	0.4316
04-Aug	03:38:00	200.60	75.30	42	28	29.85	-8.60	29.643	0.1%	0.1	0.006	1601.718	0.6574	0.6525	0.3262	0.82	0.9918	0.0054	1.77	0.9823	1.82	0.8290	44.5	45.4	4.6E-07	9.22E-07	8.3E-05	0.4316
04-Aug	03:40:00	200.80	75.30	42	28	29.87	-8.57	29.643	0.1%	0.1	0.006	1602.376	0.6574	0.6525	0.3262	0.82	0.9918	0.0054	1.77	0.9823	1.82	0.8293	44.5	45.4	4.6E-07	9.22E-07	8.3E-05	0.4317
04-Aug	03:42:00	200.80	75.30	42	29	29.85	-8.53	29.642	0.1%	0.1	0.006	1603.033	0.6574	0.6523	0.3261	0.85	0.9915	0.0056	1.80	0.9820	1.82	0.8293	44.5	45.4	4.6E-07	9.22E-07	8.2E-05	0.4318
04-Aug	03:44:00	200.80	75.30	43	28	29.86	-8.50	29.642	0.1%	0.1	0.006	1603.691	0.6574	0.6525	0.3262	0.82	0.9918	0.0054	1.77	0.9823	1.82	0.8293	45.6	46.4	4.7E-07	9.44E-07	8.4E-05	0.4319
04-Aug	03:46:00	200.80	75.20	42	28	29.85	-8.47	29.642	0.1%	0.1	0.006	1604.348	0.6574	0.6526	0.3263	0.82	0.9918	0.0054	1.77	0.9823	1.82	0.8294	44.5	45.4	4.6E-07	9.23E-07	8.3E-05	0.4320
04-Aug	03:48:00	200.90	75.20	43	28	29.85	-8.43	29.642	0.1%	0.1	0.006	1605.006	0.6574	0.6526	0.3263	0.82	0.9918	0.0054	1.76	0.9824	1.81	0.8295	45.6	46.4	4.7E-07	9.45E-07	8.4E-05	0.4321
04-Aug	03:50:00	200.90	75.40	41	29	29.85	-8.40	29.641	0.1%	0.1	0.006	1605.663	0.6574	0.6521	0.3261	0.85	0.9915	0.0056	1.80	0.9820	1.81	0.8292	43.5	44.3	4.5E-07	9.00E-07	8.1E-05	0.4321
04-Aug	03:52:00	200.80	75.20	42	29	29.85	-8.37	29.641	0.1%	0.1	0.006	1606.320	0.6574	0.6524	0.3262	0.85	0.9915	0.0056	1.79	0.9821	1.81	0.8294	44.5	45.4	4.6E-07	9.22E-07	8.2E-05	0.4322
04-Aug	03:54:00	200.80	75.20	42	29	29.84	-8.33	29.641	0.1%	0.1	0.006	1606.978	0.6574	0.6524	0.3262	0.85	0.9915	0.0056	1.79	0.9821	1.81	0.8294	44.5	45.4	4.6E-07	9.22E-07	8.2E-05	0.4323
04-Aug	03:56:00	200.80	75.40	42	29	29.87	-8.30	29.640	0.1%	0.1	0.006	1607.635	0.6574	0.6521	0.3261	0.85	0.9915	0.0056	1.80	0.9820	1.81	0.8290	44.5	45.4	4.6E-07	9.22E-07	8.2E-05	0.4324
04-Aug	03:58:00	200.80	75.30	42	29	29.85	-8.27	29.640	0.1%	0.1	0.006	1608.293	0.6574	0.6523	0.3261	0.85	0.9915	0.0056	1.79	0.9821	1.81	0.8292	44.5	45.4	4.6E-07	9.22E-07	8.2E-05	0.4325
04-Aug	04:00:00	201.00	75.30	41	29	29.83	-8.23	29.640	0.1%	0.1	0.006	1608.950	0.6574	0.6523	0.3261	0.85	0.9915	0.0056	1.79	0.9821	1.81	0.8294	43.5	44.3	4.5E-07	9.00E-07	8.1E-05	0.4326
04-Aug	04:02:00	200.90	75.30	42	29	29.83	-8.20	29.640	0.1%	0.1	0.006	1609.607	0.6574	0.6523	0.3261	0.85	0.9915	0.0056	1.79	0.9821	1.81	0.8293	44.5	45.4	4.6E-07	9.22E-07	8.2E-05	0.4326
04-Aug	04:04:00	200.90	75.20	42	29	29.84	-8.17	29.639	0.1%	0.1	0.006	1610.265	0.6574	0.6524	0.3262	0.85	0.9915	0.0056	1.79	0.9821	1.81	0.8294	44.5	45.4	4.6E-07	9.22E-07	8.2E-05	0.4327
04-Aug	04:06:00	200.90	75.20	42	29	29.88	-8.13	29.639	0.1%	0.1	0.006	1610.922	0.6574	0.6524	0.3262	0.85	0.9915	0.0056	1.78	0.9822	1.81	0.8294	44.5	45.4	4.6E-07	9.22E-07	8.2E-05	0.4328
04-Aug	04:08:00	200.80	75.20	42	29	29.84	-8.10	29.639	0.1%	0.1	0.006	1611.580	0.6574	0.6524	0.3262	0.85	0.9915	0.0056	1.78	0.9822	1.81	0.8293	44.5	45.4	4.6E-07	9.22E-07	8.2E-05	0.4329
04-Aug	04:10:00	200.80	75.20	41	29	29.81	-8.07	29.638	0.1%	0.1	0.006	1612.237	0.6574	0.6524	0.3262	0.85	0.9915	0.0056	1.78	0.9822	1.81	0.8293	43.5	44.3	4.5E-07	9.00E-07	8.1E-05	0.4330
04-Aug	04:12:00	200.80	75.20	42	28	29.83	-8.03	29.638	0.1%	0.1	0.006	1612.895	0.6574	0.6526	0.3263	0.82	0.9918	0.0054	1.75	0.9825	1.81	0.8291	44.5	45.4	4.6E-07	9.23E-07	8.3E-05	0.4330
04-Aug	04:14:00	200.80	75.20	41	29	29.83	-8.00	29.638	0.1%	0.1	0.006	1613.552	0.6574	0.6524	0.3262	0.85	0.9915	0.0056	1.78	0.9822	1.81	0.8293	43.5	44.3	4.5E-07	9.00E-07	8.1E-05	0.4331
04-Aug	04:16:00	200.70	75.20	41	29	29.86	-7.97	29.637	0.1%	0.1	0.006	1614.209	0.6574	0.6524	0.3262	0.85	0.9915	0.0056	1.78	0.9822	1.80	0.8291	43.5	44.3	4.5E-07	9.00E-07	8.1E-05	0.4332
04-Aug	04:18:00	200.70	75.10	41	29	29.83	-7.93	29.637	0.1%	0.1	0.006	1614.867	0.6574	0.6525	0.3263	0.84	0.9916	0.0055	1.78	0.9822	1.80	0.8293	43.5	44.3	4.5E-07	9.00E-07	8.1E-05	0.4333
04-Aug	04:20:00	200.80	75.10	41	29	29.85	-7.90	29.637	0.1%	0.1	0.006	1615.524	0.6574	0.6526	0.3263	0.84	0.9916	0.0055	1.77	0.9823	1.80	0.8294	43.5	44.3	4.5E-07	9.00E-07	8.1E-05	0.4334
04-Aug	04:22:00	200.80	75.20	42	29	29.84	-7.87	29.637	0.1%	0.1	0.006	1616.182	0.6574	0.6524	0.3262	0.85	0.9915	0.0056	1.78	0.9822	1.80	0.8292	44.5	45.3	4.6E-07	9.22E-07	8.2E-05	0.4334
04-Aug	04:24:00	200.80	75.10	41	29	29.83	-7.83	29.636	0.1%	0.1	0.006	1616.839	0.6574	0.6526	0.3263	0.84	0.9916	0.0055	1.77	0.9823	1.80	0.8294	43.5	44.3	4.5E-07	9.00E-07	8.1E-05	0.4335
04-Aug	04:26:00	200.80	75.00	41	29	29.81	-7.80	29.636	0.1%	0.1	0.006	1617.497	0.6574	0.6527	0.3263	0.84	0.9916	0.0055	1.77	0.9823	1.80	0.8293	43.5	44.3	4.5E-07	9.01E-07	8.1E-05	0.4336
04-Aug	04:28:00	200.90	75.00	41	29	29.82	-7.77	29.636	0.1%	0.1	0.006	1618.154	0.6574	0.6527	0.3263	0.84	0.9916	0.0055	1.77	0.9823	1.80	0.8296	43.5	44.3	4.5E-07	9.01E-07	8.1E-05	0.4337
04-Aug	04:30:00	200.80	74.90	41	29	29.83	-7.73	29.635	0.1%	0.1	0.006	1618.811	0.6574	0.6528	0.3264	0.84	0.9916	0.0055	1.76	0.9824	1.80	0.8297	43.5	44.3	4.5E-07	9.01E-07	8.1E-05	0.4338
04-Aug	04:32:00	200.80	75.10	41	29	29.84	-7.70	29.635	0.1%	0.1	0.006	1619.469	0.6574	0.6526	0.3263	0.84	0.9916	0.0055	1.77	0.9823	1.80	0.8294	43.5	44.3	4.5E-07	9.00E-07	8.1E-05	0.4339
04-Aug	04:34:00	200.90	75.10	41	29	29.83	-7.67	29.635	0.1%	0.1	0.006	1620.126	0.6574	0.6526	0.3263	0.84	0.9916	0.0055	1.77	0.9823	1.80	0.8295	43.5	44.3	4.5E-07	9.00E-07	8.1E-05	0.4339
04-Aug	04:36:00	200.90	75.10	42	28	29.81	-7.63	29.635	0.1%	0.1	0.006	1620.784	0.6574	0.6527	0.3264	0.81	0.9919	0.0054	1.74	0.9826	1.80	0.8291	44.5	45.3	4.6E-07	9.23E-07	8.3E-05	0.4340
04-Aug	04:38:00	200.90	75.20	41	29	29.81	-7.60	29.634	0.1%	0.1	0.006	1621.441	0.6574	0.6524	0.3262	0.85	0.9915	0.0056	1.77	0.9823	1.79	0.8293	43.5	44.3	4.5E-07	9.00E-07	8.1E-05	0.4341
04-Aug	04:40:00	201.00	75.10	41	29	29.81	-7.57	29.634	0.1%	0.1	0.006	1622.098	0.6574	0.6526	0.3263	0.84	0.9916	0.0055	1.76	0.9824	1.79	0.8296	43.5	44.3	4.5E-07	9.00E-07	8.1E-05	0.4342
04-Aug	04:42:00	200.90	75.10	41	29	29.83	-7.53	29.634	0.1%	0.1	0.006	1622.756	0.6574	0.6526	0.3263	0.84	0.9916	0.0055	1.76	0.9824	1.79	0.8294	43.5	44.3	4.5E-07	9.00E-07	8.1E-05	0.4343
04-Aug	04:44:00	200.80	75.00	41	29	29.85	-7.50	29.633	0.1%	0.1	0.006	1623.413	0.6574	0.6527	0.3263	0.84	0.9916	0.0055	1.76	0.9824	1.79	0.8294	43.5	44.3	4.5E-07	9.01E-07	8.1E-05	0.4343
04-Aug	04:46:00	200.90	75.00	40	29	29.82	-7.47	29.633	0.1%	0.1	0.006	1624.071	0.6574	0.6527	0.3263	0.84	0.9916	0.0055	1.76	0.9824	1.79	0.8296	42.4	43.2	4.4E-07	8.79E-07	7.9E-05	0.4344
04-Aug	04:48:00	200.90	75.00	41	29	29.84	-7.43	29.633	0.1%	0.1	0.006	1624.728	0.6574	0.6527	0.3263	0.84	0.9916	0.0055	1.76	0.9824	1.79	0.8296	43.5	44.3	4.5E-07	9.01E-07	8.1E-05	0.4345
04-Aug	04:50:00	201.00	75.00	41	29	29.80	-7.40	29.633	0.1%	0.1	0.006	1625.386	0.6574	0.6527	0.3263	0.84	0.9916	0.0055	1.76	0.9824	1.79	0.8297	43.5	44.3	4.5E-07	9.01E-07	8.1E-05	0.4346
04-Aug	04:52:00	201.10	75.00	41	29	29.83	-7.37	29.632	0.1%	0.1	0.006	1626.043	0.6574	0.6527	0.3263	0.84	0.9916	0.0055	1.76	0.9824	1.79	0.8298	43.5	44.3	4.5E-07	9.01E-07	8.1E-05	0.4347
04-Aug	04:54:00	200.80	75.00	40	29	29.78	-7.33	29.632	0.1%	0.1	0.006	1626.700	0.6574	0.6527	0.3263	0.84	0.9916	0.0055	1.75	0.9825	1.79	0.8294	42.4	43.2	4.4E-07	8.79E-07	7.9E-05	0.4347
04-Aug	04:56:00	200.80	75.00	41	29	29.79	-7.30	29.632	0.1%	0.1	0.006	1627.358	0.6574	0.6527	0.3263	0.84	0.9916	0.0055	1.75	0.9825	1.79	0.8294	43.5	44.3	4.5E-07	9.01E-07	8.1E-05	0.4348
04-Aug	04:58:00	201.00	75.00	41	29	29.79	-7.27	29.631	0.1%	0.1	0.006	1628.015	0.6574	0.6527	0.3263	0.84	0.9916	0.0055	1.75	0.9825	1.79	0.8296	43.5	44.3	4.5E-07	9.01E-07	8.1E-05	0.4349
04-Aug	05:00:00	200.80	75.00	41	29	29.80	-7.23	29.631	0.1%	0.1	0.006	1628.673	0.6574	0.6527	0.3263	0.84	0.9916	0.0055	1.75	0.9825	1.79	0.8294	43.5	44.3	4.5E-07	9.01E-07	8.1E-05	0.4350
04-Aug	05:02:00	200.80	74.90	41	29	29.83	-7.20	29.631	0.1%	0.1	0.006	1629.330	0.6574	0.6528	0.3264	0.84	0.9916	0.0055	1.75	0.9825	1.78	0.8295	43.5	44.3	4.5E-07	9.01E-07	8.1E-05	0.4351
04-Aug	05:04:00	200.80	74.90	40	29	29.81	-7.17	29.631	0.1%	0.1	0.006	1629.988	0.6574	0.6528	0.3264	0.84	0.9916	0.0055	1.75	0.9825	1.78	0.8295	42.4	43.2	4.4E-07	8.79E-07	7.9E-05	0.4351
04-Aug	05:06:00	200.80	74.90	40	29	29.84	-7.13	29.630	0.1%	0.1	0.006	1630.645	0.6574	0.6528	0.3264	0.84	0.9916	0.0055	1.74	0.9826	1.78	0.8295	42.4	43.2	4.4E-07	8.79E-07	7.9E-05	0.4352
04-Aug	05:08:00	200.80	74.80	40	29	29.78	-7.10	29.630	0.1%	0.1	0.006	1631.302	0.6574	0.6530	0.3265	0.83	0.9917	0.0055	1.74	0.9826	1.78	0.8296	42.4	43.2	4.4E-07	8.79E-07	7.9E-05	0.4353
04-Aug	05:10:00	200.80	74.90	40	29	29.83	-7.07	29.630	0.1%	0.1	0.006	1631.960	0.6574	0.6528	0.3264	0.84	0.9916	0.0055	1.74	0.9826	1.78	0.8295	42.4	43.2	4.4E-07	8.79E-07	7.9E-05	0.4354
04-Aug	05:12:00	200.80	75.00	41	29	29.79	-7.03	29.629	0.1%	0.1	0.006	1632.617	0.6574	0.6527	0.3263	0.84	0.9916	0.0055	1.74	0.9826	1.78	0.8293	43.5	44.3	4.5E-07	9.00E-07	8.1E-05	0.4355
04-Aug	05:14:00	200.90	74.80	41	29	29.81	-7.00	29.629	0.1%	0.1	0.006	1633.275	0.6574	0.6530	0.3265	0.83	0.9917	0.0055	1.74	0.9826	1.78	0.8298	43.5	44.3	4.5E-07	9.01E-07	8.1E-05	0.4355
04-Aug	05:16:00	200.80	74.90	40	29	29.80	-6.97	29.629	0.1%	0.1	0.006	1633.932	0.6574	0.6528	0.3264	0.84	0.9916	0.0055	1.74	0.9826	1.78	0.8295	42.4	43.2	4.4E-07	8.79E-07	7.9E-05	0.4356
04-Aug	05:18:00	200.80	74.80	40	29	29.80	-6.93	29.629	0.1%	0.1	0.006	1634.589	0.6574	0.6530	0.3265	0.83	0.9917	0.0055	1.74	0.9826	1.78	0.8296	42.4	43.2	4.4E-07	8.79E-07	7.9E-05	0.4357
04-Aug	05:20:00	200.80	74.90	40	29	29.81	-6.90	29.628	0.1%	0.1	0.006	1635.247	0.6574	0.6528	0.3264	0.84	0.9916	0.0055	1.74	0.9826	1.78	0.8295	42.4	43.2	4.4E-07	8.79E-07	7.9E-05	0.4358
04-Aug	05:22:00	200.80	74.80	40	29	29.83	-6.87	29.628	0.1%	0.1	0.006	1635.904	0.6574	0.6530	0.3265	0.83	0.9917	0.0055	1.73	0.9827	1.77	0.8296	42.4	43.2	4.4E-07	8.79E-07	7.9E-05	0.4358
04-Aug	05:24:00	200.80	74.80	40	29	29.81	-6.83	29.628	0.1%	0.1	0.006	1636.562	0.6574	0.6530	0.3265	0.83	0.9917	0.0055	1.73	0.9827	1.77	0.8296	42.4	43.2	4.4E-07	8.79E-07	7.9E-05	0.4359
04-Aug	05:26:00	200.90	74.90	40	29	29.82	-6.80	29.627	0.1%	0.1	0.006	1637.219	0.6574	0.6528	0.3264	0.84	0.9916	0.0055	1.73	0.9827	1.77	0.8295	42.4	43.2	4.4E-07	8.79E-07	7.9E-05	0.4360
04-Aug	05:28:00	200.80	74.80	40	29	29.80	-6.77	29.627	0.1%	0.1	0.006	1637.877	0.6574	0.6530	0.3265	0.83	0.9917	0.0055	1.73	0.9827	1.77	0.8296	42.4	43.2	4.4E-07	8.79E-07	7.9E-05	0.4361
04-Aug	05:30:00	200.80	75.00	40	29	29.80	-6.73	29.627	0.1%	0.1	0.006	1638.534	0.6574	0.6527	0.3263	0.84	0.9916	0.0055	1.74	0.9826	1.77	0.8293	42.4	43.2	4.4E-07	8.78E-07	7.9E-05	0.4362
04-Aug	05:32:00	200.80	74.80	41	29	29.81	-6.70	29.627	0.1%	0.1	0.006	1639.191	0.6574	0.6530	0.3265	0.83	0.9917	0.0055	1.73	0.9827	1.77	0.8295	43.5	44.3	4.5E-07	9.01E-07	8.1E-05	0.4362
04-Aug	05:34:00	200.80	74.90	40	29	29.81	-6.67	29.626	0.1%	0.1	0.006	1639.849	0.6574	0.6528	0.3264	0.84	0.9916	0.0055	1.73	0.9827	1.77	0.8294	42.4	43.2	4.4E-07	8.79E-07	7.9E-05	0.4363
04-Aug	05:36:00	200.80	74.90	40	29	29.81	-6.63	29.626	0.1%	0.1	0.006	1640.506	0.6574	0.6528	0.3264	0.84	0.9916	0.0055	1.73	0.9827	1.77	0.8294	42.4	43.2	4.4E-07	8.79E-07	7.9E-05	0.4364
04-Aug	05:38:00	200.80	74.80	40	29	29.80	-6.60	29.626	0.1%	0.1	0.006	1641.164	0.6574	0.6530	0.3265	0.83	0.9917	0.0055	1.72	0.9828	1.77	0.8295	42.4	43.2	4.4E-07	8.79E-07	7.9E-05	0.4365
04-Aug	05:40:00	200.80	74.80	40	29	29.82	-6.57	29.625	0.1%	0.1	0.006	1641.821	0.6574	0.6530	0.3265	0.83	0.9917	0.0055	1.72	0.9828	1.76	0.8293	42.4	43.2	4.4E-07	8.79E-07	7.9E-05	0.4366
04-Aug	05:42:00	200.70	74.80	40	28	29.79	-6.53	29.625	0.1%	0.1	0.006	1642.479	0.6574	0.6532	0.3266	0.81	0.9919	0.0053	1.69	0.9831	1.76	0.8294	42.4	43.2	4.4E-07	8.79E-07	7.9E-05	0.4366
04-Aug	05:44:00	200.80	74.80	40	29	29.80	-6.50	29.625	0.1%	0.1	0.006	1643.136	0.6574	0.6530	0.3265	0.83	0.9917	0.0055	1.72	0.9828	1.76	0.8295	42.4	43.2	4.4E-07	8.79E-07	7.9E-05	0.4367
04-Aug	05:46:00	200.70	74.80	40	29	29.81	-6.47	29.625	0.1%	0.1	0.006	1643.793	0.6574	0.6530	0.3265	0.83	0.9917	0.0055	1.72	0.9828	1.76	0.8294	42.4	43.2	4.4E-07	8.79E-07	7.9E-05	0.4368
04-Aug	05:48:00	200.70	74.80	40	29	29.79	-6.43	29.624	0.1%	0.1	0.006	1644.451	0.6574	0.6530	0.3265	0.83	0.9917	0.0055	1.72	0.9828	1.76	0.8293	42.4	43.2	4.4E-07	8.79E-07	7.9E-05	0.4369
04-Aug	05:50:00	200.70	74.80	40	29	29.79	-6.40	29.624	0.1%	0.1	0.006	1645.108	0.6574	0.6530	0.3265	0.83	0.9917	0.0055	1.72	0.9828	1.76	0.8293	42.4	43.2	4.4E-07	8.79E-07	7.9E-05	0.4370
04-Aug	05:52:00	200.80	74.80	39	28	29.78	-6.37	29.624	0.1%	0.1	0.006	1645.766	0.6574	0.6532	0.3266	0.81	0.9919	0.0053	1.69	0.9831	1.76	0.8293	41.4	42.1	4.3E-07	8.57E-07	7.7E-05	0.4370
04-Aug	05:54:00	200.60	74.70	39	29	29.81	-6.33	29.624	0.1%	0.1	0.006	1646.423	0.6574	0.6531	0.3266	0.83	0.9917	0.0055	1.71	0.9829	1.76	0.8294	41.4	42.1	4.3E-07	8.57E-07	7.7E-05	0.4371
04-Aug	05:56:00	200.70	74.70	40	29	29.84	-6.30	29.623	0.1%	0.1	0.006	1647.080	0.6574	0.6531	0.3266	0.83	0.9917	0.0055	1.71	0.9829	1.75	0.8295	42.4	43.2	4.4E-07	8.79E-07	7.9E-05	0.4372
04-Aug	05:58:00	200.70	74.70	40	29	29.83	-6.27	29.623	0.1%	0.1	0.006	1647.738	0.6574	0.6531	0.3266	0.83	0.9917	0.0055	1.71	0.9829	1.75	0.8295	42.4	43.2	4.4E-07	8.79E-07	7.9E-05	0.4373
04-Aug	06:00:00	200.70	74.80	40	29	29.80	-6.23	29.623	0.1%	0.1	0.006	1648.395	0.6574	0.6530	0.3265	0.83	0.9917	0.0055	1.71	0.9829	1.75	0.8293	42.4	43.2	4.4E-07	8.79E-07	7.9E-05	0.4373
04-Aug	06:02:00	200.70	74.80	39	29	29.81	-6.20	29.622	0.1%	0.1	0.006	1649.053	0.6574	0.6530	0.3265	0.83	0.9917	0.0055	1.71	0.9829	1.75	0.8293	41.4	42.1	4.3E-07	8.57E-07	7.7E-05	0.4374
04-Aug	06:04:00	200.80	74.70	40	29	29.80	-6.17	29.622	0.1%	0.1	0.006	1649.710	0.6574	0.6531	0.3266	0.83	0.9917	0.0055	1.71	0.9829	1.75	0.8296	42.4	43.2	4.4E-07	8.79E-07	7.9E-05	0.4375
04-Aug	06:06:00	200.80	74.70	39	29	29.77	-6.13	29.622	0.1%	0.1	0.006	1650.368	0.6574	0.6531	0.3266	0.83	0.9917	0.0055	1.71	0.9829	1.75	0.8295	41.4	42.1	4.3E-07	8.57E-07	7.7E-05	0.4376
04-Aug	06:08:00	200.60	74.70	40	29	29.80	-6.10	29.622	0.1%	0.1	0.006	1651.025	0.6574	0.6531	0.3266	0.83	0.9917	0.0055	1.71	0.9829	1.75	0.8293	42.4	43.2	4.4E-07	8.79E-07	7.9E-05	0.4376
04-Aug	06:10:00	200.80	74.70	39	29	29.73	-6.07	29.621	0.1%	0.1	0.006	1651.682	0.6574	0.6531	0.3266	0.83	0.9917	0.0055	1.70	0.9830	1.75	0.8295	41.4	42.1	4.3E-07	8.57E-07	7.7E-05	0.4377
04-Aug	06:12:00	200.80	74.70	39	29	29.77	-6.03	29.621	0.1%	0.1	0.006	1652.340	0.6574	0.6531	0.3266	0.83	0.9917	0.0055	1.70	0.9830	1.75	0.8295	41.4	42.1	4.3E-07	8.57E-07	7.7E-05	0.4378
04-Aug	06:14:00	200.60	74.70	40	29	29.80	-6.00	29.621	0.1%	0.1	0.006	1652.997	0.6574	0.6531	0.3266	0.83	0.9917	0.0055	1.70	0.9830	1.74	0.8293	42.4	43.2	4.4E-07	8.79E-07	7.9E-05	0.4379
04-Aug	06:16:00	200.90	74.80	39	29	29.77	-5.97	29.621	0.1%	0.1	0.006	1653.655	0.6574	0.6530	0.3265	0.83	0.9917	0.0055	1.70	0.9830	1.74	0.8293	41.4	42.1	4.3E-07	8.57E-07	7.7E-05	0.4380
04-Aug	06:18:00	200.80	74.70	39	29	29.81	-5.93	29.620	0.1%	0.1	0.006	1654.312	0.6574	0.6531	0.3266	0.83	0.9917	0.0055	1.70	0.9830	1.74	0.8295	41.4	42.1	4.3E-07	8.57E-07	7.7E-05	0.4380
04-Aug	06:20:00	200.80	74.80	39	29	29.77	-5.90	29.620	0.1%	0.1	0.006	1654.970	0.6574	0.6530	0.3265	0.83	0.9917	0.0055	1.70	0.9830	1.74	0.8293	41.4	42.1	4.3E-07	8.57E-07	7.7E-05	0.4381
04-Aug	06:22:00	200.60	74.70	39	29	29.79	-5.87	29.620	0.1%	0.1	0.006	1655.627	0.6574	0.6531	0.3266	0.83	0.9917	0.0055	1.70	0.9830	1.74	0.8292	41.4	42.1	4.3E-07	8.57E-07	7.7E-05	0.4382
04-Aug	06:24:00	200.80	74.70	39	29	29.78	-5.83	29.619	0.1%	0.1	0.006	1656.284	0.6574	0.6531	0.3266	0.83	0.9917	0.0055	1.70	0.9830	1.74	0.8295	41.4	42.1	4.3E-07	8.57E-07	7.7E-05	0.4383
04-Aug	06:26:00	200.90	74.70	39	29	29.76	-5.80	29.619	0.1%	0.1	0.006	1656.942	0.6574	0.6531	0.3266	0.83	0.9917	0.0055	1.70	0.9830	1.74	0.8296	41.4	42.1	4.3E-07	8.57E-07	7.7E-05	0.4383
04-Aug	06:28:00	200.90	74.70	39	30	29.79	-5.77	29.619	0.1%	0.1	0.006	1657.599	0.6574	0.6529	0.3265	0.86	0.9914	0.0057	1.72	0.9828	1.74	0.8296	41.4	42.1	4.3E-07	8.56E-07	7.7E-05	0.4384
04-Aug	06:30:00	201.00	74.70	39	29	29.77	-5.73	29.619	0.1%	0.1	0.006	1658.257	0.6574	0.6531	0.3266	0.83	0.9917	0.0055	1.69	0.9831	1.74	0.8297	41.4	42.1	4.3E-07	8.57E-07	7.7E-05	0.4385
04-Aug	06:32:00	200.90	74.70	39	29	29.80	-5.70	29.618	0.1%	0.1	0.006	1658.914	0.6574	0.6531	0.3266	0.83	0.9917	0.0055	1.69	0.9831	1.74	0.8295	41.4	42.1	4.3E-07	8.57E-07	7.7E-05	0.4386
04-Aug	06:34:00	200.80	74.70	39	29	29.80	-5.67	29.618	0.1%	0.1	0.006	1659.571	0.6574	0.6531	0.3266	0.83	0.9917	0.0055	1.69	0.9831	1.73	0.8294	41.4	42.1	4.3E-07	8.57E-07	7.7E-05	0.4386
04-Aug	06:36:00	200.90	74.70	39	29	29.81	-5.63	29.618	0.1%	0.1	0.006	1660.229	0.6574	0.6531	0.3266	0.83	0.9917	0.0055	1.69	0.9831	1.73	0.8295	41.4	42.1	4.3E-07	8.57E-07	7.7E-05	0.4387
04-Aug	06:38:00	200.90	74.50	39	29	29.78	-5.60	29.618	0.1%	0.1	0.006	1660.886	0.6574	0.6534	0.3267	0.83	0.9917	0.0054	1.68	0.9832	1.73	0.8298	41.4	42.1	4.3E-07	8.57E-07	7.7E-05	0.4388
04-Aug	06:40:00	200.80	74.60	39	29	29.80	-5.57	29.617	0.1%	0.1	0.006	1661.544	0.6574	0.6533	0.3266	0.83	0.9917	0.0055	1.68	0.9832	1.73	0.8295	41.4	42.1	4.3E-07	8.57E-07	7.7E-05	0.4389
04-Aug	06:42:00	200.80	74.70	38	29	29.75	-5.53	29.617	0.1%	0.1	0.006	1662.201	0.6574	0.6531	0.3266	0.83	0.9917	0.0055	1.69	0.9831	1.73	0.8294	40.3	41.0	4.2E-07	8.35E-07	7.5E-05	0.4390
04-Aug	06:44:00	200.80	74.50	39	28	29.78	-5.50	29.617	0.1%	0.1	0.006	1662.859	0.6574	0.6536	0.3268	0.80	0.9920	0.0053	1.65	0.9835	1.73	0.8297	41.4	42.1	4.3E-07	8.57E-07	7.7E-05	0.4390
04-Aug	06:46:00	200.80	74.70	39	28	29.77	-5.47	29.616	0.1%	0.1	0.006	1663.516	0.6574	0.6533	0.3267	0.80	0.9920	0.0053	1.65	0.9835	1.73	0.8294	41.4	42.1	4.3E-07	8.57E-07	7.7E-05	0.4391
04-Aug	06:48:00	200.80	74.70	39	29	29.78	-5.43	29.616	0.1%	0.1	0.006	1664.173	0.6574	0.6531	0.3266	0.83	0.9917	0.0055	1.68	0.9832	1.72	0.8293	41.4	42.1	4.3E-07	8.57E-07	7.7E-05	0.4392
04-Aug	06:50:00	200.80	74.70	39	29	29.80	-5.40	29.616	0.1%	0.1	0.006	1664.831	0.6574	0.6531	0.3266	0.83	0.9917	0.0055	1.68	0.9832	1.72	0.8293	41.4	42.1	4.3E-07	8.57E-07	7.7E-05	0.4393
04-Aug	06:52:00	201.10	74.70	39	28	29.78	-5.37	29.616	0.1%	0.1	0.006	1665.488	0.6574	0.6533	0.3267	0.80	0.9920	0.0053	1.65	0.9835	1.72	0.8297	41.4	42.1	4.3E-07	8.57E-07	7.7E-05	0.4393
04-Aug	06:54:00	201.00	74.70	38	29	29.78	-5.33	29.615	0.1%	0.1	0.006	1666.146	0.6574	0.6531	0.3266	0.83	0.9917	0.0055	1.68	0.9832	1.72	0.8295	40.3	41.0	4.2E-07	8.35E-07	7.5E-05	0.4394
04-Aug	06:56:00	201.00	74.70	39	28	29.76	-5.30	29.615	0.1%	0.1	0.006	1666.803	0.6574	0.6531	0.3267	0.80	0.9920	0.0053	1.65	0.9835	1.72	0.8296	41.4	42.1	4.3E-07	8.57E-07	7.7E-05	0.4395
04-Aug	06:58:00	201.00	74.60	39	29	29.77	-5.27	29.615	0.1%	0.1	0.006	1667.461	0.6574	0.6531	0.3266	0.83	0.9917	0.0055	1.67	0.9833	1.72	0.8297	41.4	42.1	4.3E-07	8.57E-07	7.7E-05	0.4396
04-Aug	07:00:00	201.00	74.50	37	28	29.76	-5.23	29.615	0.1%	0.1	0.006	1668.118	0.6574	0.6536	0.3268	0.80	0.9920	0.0053	1.64	0.9836	1.72	0.8298	39.2	39.9	4.1E-07	8.13E-07	7.3E-05	0.4396
04-Aug	07:02:00	200.80	74.50	38	28	29.77	-5.20	29.614	0.1%	0.1	0.006	1668.775	0.6574	0.6536	0.3267	0.80	0.9920	0.0053	1.64	0.9836	1.71	0.8296	40.3	41.0	4.2E-07	8.35E-07	7.5E-05	0.4397
04-Aug	07:04:00	201.20	74.60	39	28	29.78	-5.17	29.614	0.1%	0.1	0.006	1669.433	0.6574	0.6534	0.3267	0.80	0.9920	0.0053	1.64	0.9836	1.71	0.8299	41.4	42.1	4.3E-07	8.57E-07	7.7E-05	0.4398
04-Aug	07:06:00	201.00	74.60	39	27	29.80	-5.13	29.614	0.1%	0.1	0.006	1670.090	0.6574	0.6536	0.3268	0.77	0.9923	0.0051	1.61	0.9839	1.71	0.8296	41.4	42.1	4.3E-07	8.57E-07	7.7E-05	0.4399
04-Aug	07:08:00	200.80	74.50	39	28	29.78	-5.10	29.614	0.1%	0.1	0.006	1670.748	0.6574	0.6536	0.3268	0.80	0.9920	0.0053	1.64	0.9836	1.71	0.8293	41.4	42.1	4.3E-07	8.57E-07	7.7E-05	0.4399
04-Aug	07:10:00	200.80	74.50	37	27	29.81	-5.07	29.613	0.1%	0.1	0.006	1671.405	0.6574	0.6538	0.3269	0.77	0.9923	0.0051	1.61	0.9839	1.70	0.8291	41.4	42.1	4.3E-07	8.57E-07	7.7E-05	0.4400
04-Aug	07:12:00	200.80	74.60	38	27	29.81	-5.03	29.613	0.1%	0.1	0.006	1672.062	0.6574	0.6536	0.3268	0.77	0.9923	0.0051	1.61	0.9839	1.70	0.8294	40.3	41.0	4.2E-07	8.35E-07	7.5E-05	0.4401
04-Aug	07:14:00	201.00	74.50	38	27	29.81	-5.00	29.613	0.1%	0.1	0.006	1672.720	0.6574	0.6538	0.3269	0.77	0.9923	0.0051	1.60	0.9840	1.70	0.8297	40.3	41.0	4.2E-07	8.35E-07	7.5E-05	0.4402
04-Aug	07:16:00	200.80	74.60	37	27	29.80	-4.97	29.613	0.1%	0.1	0.006	1673.377	0.6574	0.6536	0.3268	0.77	0.9923	0.0051	1.60	0.9840	1.70	0.8293	39.2	39.9	4.1E-07	8.13E-07	7.3E-05	0.4402
04-Aug	07:18:00	200.70	74.60	38	27	29.80	-4.93	29.612	0.1%	0.1	0.006	1674.035	0.6574	0.6536	0.3268	0.77	0.9923	0.0051	1.60	0.9840	1.69	0.8292	40.3	41.0	4.2E-07	8.35E-07	7.5E-05	0.4403
04-Aug	07:20:00	200.80	74.60	39	26	29.78	-4.90	29.612	0.1%	0.1	0.006	1674.692	0.6574	0.6538	0.3269	0.74	0.9926	0.0049	1.57	0.9843	1.69	0.8293	41.4	42.1	4.3E-07	8.57E-07	7.7E-05	0.4404
04-Aug	07:22:00	200.80	74.60	38	26	29.78	-4.87	29.612	0.1%	0.1	0.006	1675.350	0.6574	0.6538	0.3269	0.74	0.9926	0.0049	1.57	0.9843	1.69	0.8293	40.3	41.0	4.2E-07	8.35E-07	7.5E-05	0.4405
04-Aug	07:24:00	200.60	74.50	38	27	29.77	-4.83	29.611	0.1%	0.1	0.006	1676.007	0.6574	0.6538	0.3269	0.77	0.9923	0.0051	1.60	0.9840	1.69	0.8292	40.3	41.0	4.2E-07	8.35E-07	7.5E-05	0.4405
04-Aug	07:26:00	200.80	74.60	38	29	29.77	-4.80	29.611	0.1%	0.1	0.006	1676.664	0.6574	0.6533	0.3266	0.83	0.9917	0.0055	1.65	0.9835	1.68	0.8293	40.3	41.0	4.2E-07	8.34E-07	7.5E-05	0.4406
04-Aug	07:28:00	200.70	74.70	38	26	29.74	-4.77	29.611	0.1%	0.1	0.006	1677.322	0.6574	0.6537	0.3268	0.75	0.9925	0.0049	1.57	0.9843	1.68	0.8290	40.3	41.0	4.2E-07	8.33E-07	7.5E-05	0.4407

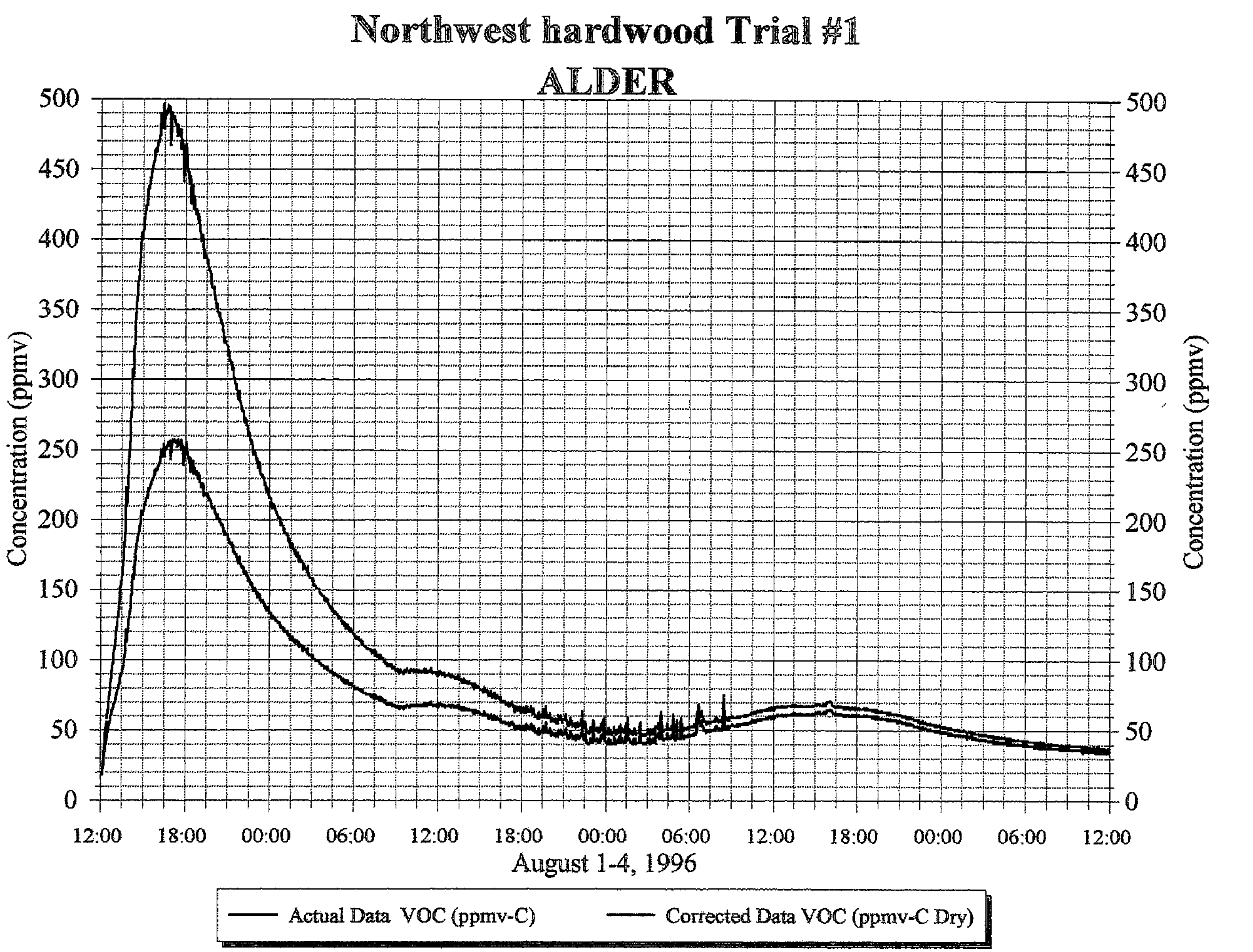
Northwest Hardwoo
Allder
August 1-4, 1996

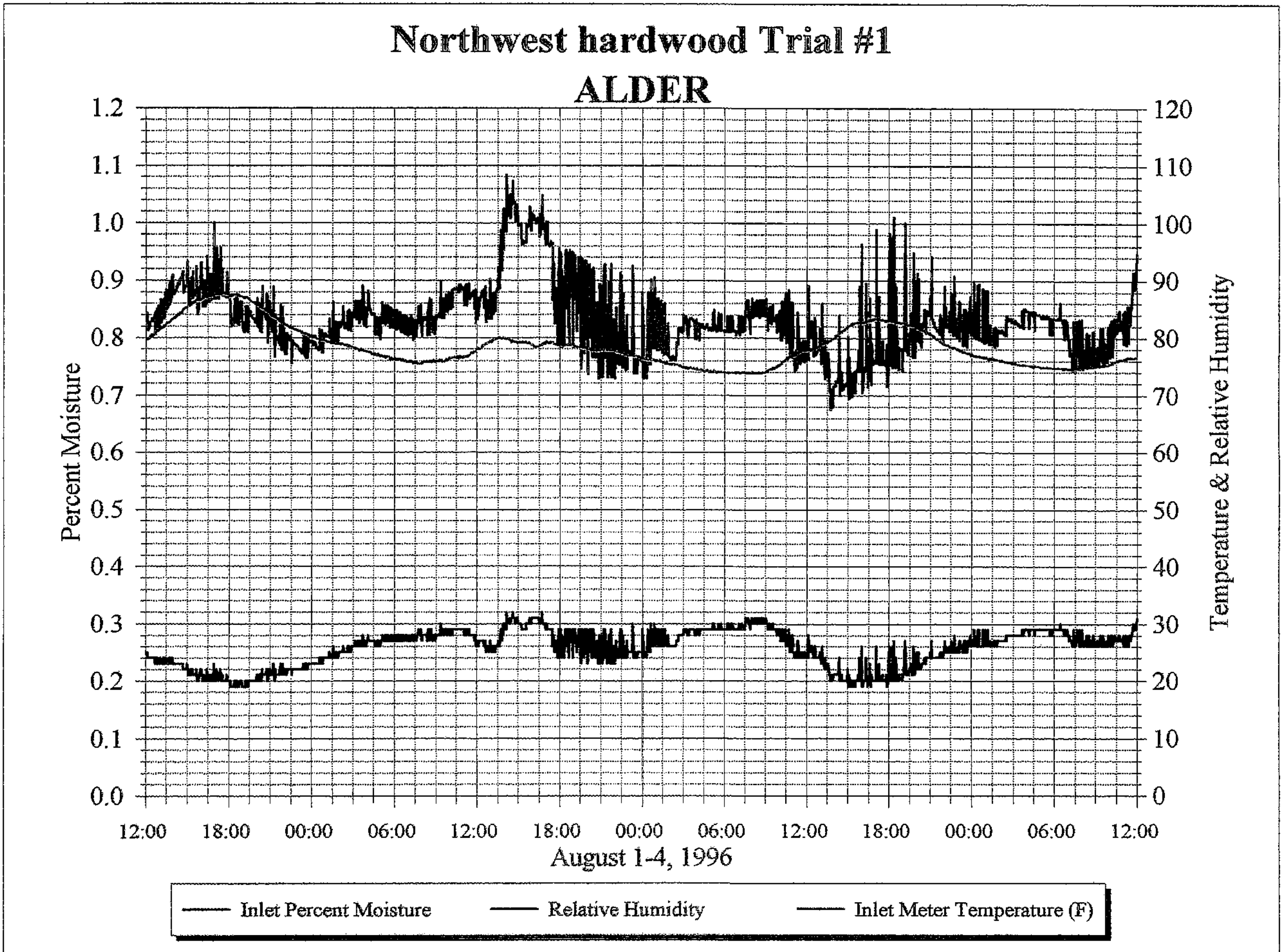
Y=	1.0119	Span	601.2	367	371 ppmv
Pb=	29.9983 inHg	Zero	0	0	-19 ppmv
Pb=	101.19 kPa				

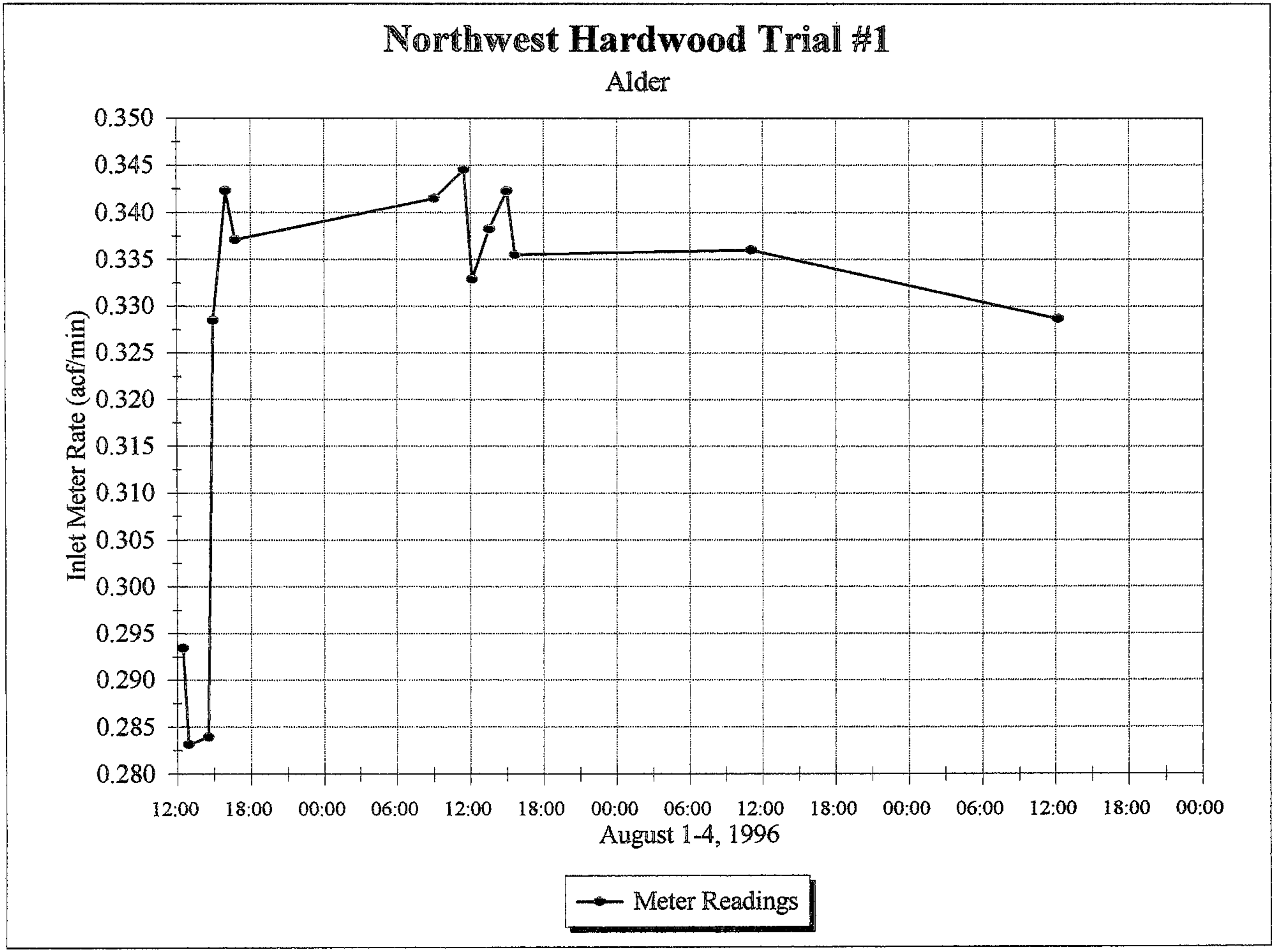
DBFT	C^	Cm
11.18		ft³

NODP	x	F(x)	A	B	C	D
m	-72.03	43.80	-0.53498	0.00919	-0.00011	0.00000
n	-52.50	33.35	-0.14124	0.00326	-0.00005	
p	-29.30	30.05	-0.02146	0.00056		
q	-16.73	29.73	-0.00196			
r	0.00	29.58				

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
"Date"	"Time"	"Value" Tc F	"Value" Tm F	"Value" VOC ppmv	"Value" RH %	"Value" M lbm	dt (hrs)	Calculated Wood Mass Wm lbm	Calculated Wood Moisture %Bwc %	Wood Water Change dWw g	Wood Water Volume Vw(wood) dscf	Meter Reading cuft dVm ft³	Inlet Meter Volume Wet Vm(wet) wscf	Inlet Meter Volume Dry Vm(std) dscf	Inlet Flowrate Dry Q(std) dscf/min	Inlet Air Moisture Bws(inlet) %	Inlet Air Fraction dry mfg(inlet)	Inlet Water Volume Vw(std) dscf	Inlet Air Moisture BWS(1) %	Inlet Air Dry mfg(2)	Cumulative Chamber Moisture BWS(3) %	New Gases at Chamber Conditions Vt ft³	Cgas(wet) ppmv	Cgas(Dry) ppmv	Mgas lbs/min	lbs	lbm/Mdbft	lbm/Mdbft
AVG		161.21	299.01	78.13	23.67	14.33																						
01-Aug	09:14:00	190.43	78.55																									
04-Aug	07:30:00	200.60	74.60	37	27	29.74	-4.73	29.611	0.1%	0.1	0.006	1677.979	0.6574	0.6536	0.3268	0.77	0.9923	0.0051	1.59	0.9841	1.68	0.8290	39.2	39.9	4.1E-07	8.13E-07	7.3E-05	0.4408
04-Aug	07:32:00	200.60	74.60	37	27	29.75	-4.70	29.610	0.1%	0.1	0.005	1678.637	0.6574	0.6536	0.3268	0.77	0.9923	0.0051	1.59	0.9841	1.68	0.8290	39.2	39.9	4.1E-07	8.13E-07	7.3E-05	0.4408
04-Aug	07:34:00	200.70	74.70	37	26	29.76	-4.67	29.610	0.1%	0.1	0.005	1679.294	0.6574	0.6537	0.3268	0.75	0.9925	0.0049	1.57	0.9843	1.68	0.8290	39.2	39.9	4.1E-07	8.13E-07	7.3E-05	0.4409
04-Aug	07:36:00	200.80	74.60	37	26	29.74	-4.63	29.610	0.1%	0.1	0.005	1679.952	0.6574	0.6538	0.3269	0.74	0.9926	0.0049	1.56	0.9844	1.67	0.8292	39.2	39.9	4.1E-07	8.13E-07	7.3E-05	0.4410
04-Aug	07:38:00	200.70	74.70	38	27	29.76	-4.60	29.610	0.1%	0.1	0.005	1680.609	0.6574	0.6535	0.3268	0.77	0.9923	0.0051	1.59	0.9841	1.67	0.8289	40.3	41.0	4.2E-07	8.35E-07	7.5E-05	0.4411
04-Aug	07:40:00	200.80	74.60	38	29	29.74	-4.57	29.609	0.1%	0.1	0.005	1681.266	0.6574	0.6533	0.3266	0.83	0.9917	0.0055	1.64	0.9836	1.67	0.8292	40.3	41.0	4.2E-07	8.34E-07	7.5E-05	0.4411
04-Aug	07:42:00	200.50	74.60	37	28	29.74	-4.53	29.609	0.1%	0.1	0.005	1681.924	0.6574	0.6534	0.3267	0.80	0.9920	0.0053	1.61	0.9839	1.67	0.8288	39.2	39.9	4.1E-07	8.13E-07	7.3E-05	0.4412
04-Aug	07:44:00	200.50	74.70	37	27	29.76	-4.50	29.609	0.1%	0.1	0.005	1682.581	0.6574	0.6535	0.3268	0.77	0.9923	0.0051	1.59	0.9841	1.67	0.8287	39.2	39.9	4.1E-07	8.13E-07	7.3E-05	0.4413
04-Aug	07:46:00	200.60	74.60	37	28	29.74	-4.47	29.609	0.1%	0.1	0.005	1683.239	0.6574	0.6534	0.3267	0.80	0.9920	0.0053	1.61	0.9839	1.66	0.8289	39.2	39.9	4.1E-07	8.13E-07	7.3E-05	0.4413
04-Aug	07:48:00	200.50	74.70	38	27	29.74	-4.43	29.608	0.1%	0.1	0.005	1683.896	0.6574	0.6535	0.3267	0.77	0.9923	0.0051	1.59	0.9841	1.66	0.8286	40.3	41.0	4.2E-07	8.35E-07	7.5E-05	0.4414
04-Aug	07:50:00	200.70	74.70	37	29	29.73	-4.40	29.608	0.1%	0.1	0.005	1684.553	0.6574	0.6531	0.3266	0.83	0.9917	0.0055	1.64	0.9836	1.66	0.8289	39.2	39.9	4.1E-07	8.12E-07	7.3E-05	0.4415
04-Aug	07:52:00	200.60	74.80	38	26	29.73	-4.37	29.608	0.1%	0.1	0.005	1685.211	0.6574	0.6535	0.3268	0.75	0.9925	0.0049	1.56	0.9844	1.66	0.8286	40.3	41.0	4.2E-07	8.35E-07	7.5E-05	0.4416
04-Aug	07:54:00	200.50	74.70	38	26	29.71	-4.33	29.608	0.1%	0.1	0.005	1685.868	0.6574	0.6537	0.3268	0.75	0.9925	0.0049	1.55	0.9845	1.66	0.8285	40.3	41.0	4.2E-07	8.35E-07	7.5E-05	0.4416
04-Aug	07:56:00	200.60	74.80	37	27	29.75	-4.30	29.607	0.1%	0.1	0.005	1686.526	0.6574	0.6533	0.3267	0.78	0.9922	0.0051	1.58	0.9842	1.65	0.8285	39.2	39.9	4.1E-07	8.12E-07	7.3E-05	0.4417
04-Aug	07:58:00	200.40	74.80	37	26	29.72	-4.27	29.607	0.1%	0.1	0.005	1687.183	0.6574	0.6535	0.3268	0.75	0.9925	0.0049	1.55	0.9845	1.65	0.8283	39.2	39.9	4.1E-07	8.13E-07	7.3E-05	0.4418
04-Aug	08:00:00	200.50	74.80	37	27	29.70	-4.23	29.607	0.1%	0.1	0.005	1687.841	0.6574	0.6534	0.3267	0.78	0.9922	0.0051	1.58	0.9842	1.65	0.8284	39.2	39.9	4.1E-07	8.12E-07	7.3E-05	0.4419
04-Aug	08:02:00	200.70	74.70	37	29	29.74	-4.20	29.607	0.1%	0.1	0.005	1688.498	0.6574	0.6533	0.3266	0.83	0.9917	0.0055	1.63	0.9837	1.65	0.8288	39.2	39.9	4.1E-07	8.12E-07	7.3E-05	0.4419
04-Aug	08:04:00	200.60	74.80	37	27	29.75	-4.17	29.606	0.1%	0.1	0.005	1689.155	0.6574	0.6533	0.3267	0.78	0.9922	0.0051	1.58	0.9842	1.65	0.8285	39.2	39.9	4.1E-07	8.12E-07	7.3E-05	0.4420
04-Aug	08:06:00	200.70	74.80	37	27	29.79	-4.13	29.606	0.1%	0.1	0.005	1689.813	0.6574	0.6534	0.3267	0.78	0.9922	0.0051	1.57	0.9843	1.64	0.8286	39.2	39.9	4.1E-07	8.12E-07	7.3E-05	0.4421
04-Aug	08:08:00	200.70	74.70	37	26	29.77	-4.10	29.606	0.1%	0.1	0.005	1690.470	0.6574	0.6537	0.3268	0.75	0.9925	0.0049	1.54	0.9846	1.64	0.8287	39.2	39.9	4.1E-07	8.13E-07	7.3E-05	0.4422
04-Aug	08:10:00	200.60	74.80	37	27	29.74	-4.07	29.606	0.1%	0.1	0.005	1691.128	0.6574	0.6534	0.3267	0.78	0.9922	0.0051	1.57	0.9843	1.64	0.8285	39.2	39.9	4.1E-07	8.12E-07	7.3E-05	0.4422
04-Aug	08:12:00	200.50	74.80	37	27	29.73	-4.03	29.605	0.1%	0.1	0.005	1691.785	0.6574	0.6533	0.3267	0.78	0.9922	0.0051	1.57	0.9843	1.64	0.8283	39.2	39.9	4.1E-07	8.12E-07	7.3E-05	0.4423
04-Aug	08:14:00	200.70	74.80	37	26	29.73	-4.00	29.605	0.1%	0.1	0.005	1692.442	0.6574	0.6535	0.3268	0.75	0.9925	0.0049	1.54	0.9846	1.64	0.8283	39.2	39.9	4.1E-07	8.12E-07	7.3E-05	0.4424
04-Aug	08:16:00	200.70	74.80	37	26	29.72	-3.97	29.605	0.1%	0.1	0.005	1693.100	0.6574	0.6536	0.3268	0.75	0.9925	0.0049	1.54	0.9846	1.63	0.8286	39.2	39.9	4.1E-07	8.12E-07	7.3E-05	0.4424
04-Aug	08:18:00	200.70	75.00	37	26	29.73	-3.93	29.605	0.1%	0.1	0.005	1693.757	0.6574	0.6533	0.3266	0.75	0.9925	0.0050	1.54	0.9846	1.63	0.8282	39.2	39.9	4.1E-07	8.12E-07	7.3E-05	0.4425
04-Aug	08:20:00	200.80	74.80	37	26	29.72	-3.90	29.604	0.1%	0.1	0.005	1694.415	0.6574	0.6535	0.3268	0.75	0.9925	0.0049	1.54	0.9846	1.63	0.8286	39.2	39.9	4.1E-07	8.12E-07	7.3E-05	0.4426
04-Aug	08:22:00	200.70	74.80	37	28	29.74	-3.87	29.604	0.1%	0.1	0.005	1695.072	0.6574	0.6532	0.3266	0.81	0.9919	0.0053	1.59	0.9841	1.63	0.8283	39.2	39.9	4.1E-07	8.12E-07	7.3E-05	0.4427
04-Aug	08:24:00	200.60	74.90	37	28	29.72	-3.83	29.604	0.1%	0.1	0.005	1695.730	0.6574	0.6530	0.3265	0.81	0.9919	0.0053	1.59	0.9841	1.63	0.8282	39.2	39.9	4.1E-07	8.12E-07	7.3E-05	0.4427
04-Aug	08:26:00	200.60	75.00	37	26	29.69	-3.80	29.604	0.1%	0.1	0.005	1696.387	0.6574	0.6533	0.3266	0.75	0.9925	0.0050	1.54	0.9846	1.62	0.8281	39.2	39.9	4.1E-07	8.12E-07	7.3E-05	0.4428
04-Aug	08:28:00	200.60	74.90	36	26	29.72	-3.77	29.603	0.1%	0.1	0.005	1697.044	0.6574	0.6534	0.3267	0.75	0.9925	0.0049	1.53	0.9847	1.62	0.8282	38.2	38.8	4.0E-07	7.90E-07	7.1E-05	0.4429
04-Aug	08:30:00	200.60	74.80	36	26	29.70	-3.73	29.603	0.1%	0.1	0.005	1697.702	0.6574	0.6535	0.3268	0.75	0.9925	0.0049	1.53	0.9847	1.62	0.8283	38.2	38.8	4.0E-07	7.90E-07	7.1E-05	0.4429
04-Aug	08:32:00	200.80	74.80	37	28	29.69	-3.70	29.603	0.1%	0.1	0.005	1698.359	0.6574	0.6532	0.3266	0.81	0.9919	0.0053	1.58	0.9842	1.62	0.8286	39.2	39.9	4.1E-07	8.12E-07	7.3E-05	0.4430
04-Aug	08:34:00	200.80	74.80	37	27	29.69	-3.67	29.603	0.1%	0.1	0.005	1699.017	0.6574	0.6533	0.3267	0.78	0.9922	0.0051	1.55	0.9845	1.62	0.8285	39.2	39.9	4.1E-07	8.12E-07	7.3E-05	0.4431
04-Aug	08:36:00	200.80	74.80	37	26	29.72	-3.63	29.602	0.1%	0.1	0.005	1699.674	0.6574	0.6535	0.3268	0.75	0.9925	0.0049	1.52	0.9848	1.61	0.8285	39.2	39.9	4.1E-07	8.12E-07	7.3E-05	0.4432
04-Aug	08:38:00	200.80	74.90	37	26	29.71	-3.60	29.602	0.1%	0.1	0.005	1700.332	0.6574	0.6534	0.3267	0.75	0.9925	0.0049	1.52	0.9848	1.61	0.8284	39.2	39.9	4.1E-07	8.12E-07	7.3E-05	0.4432
04-Aug	08:40:00	200.80	75.10	36	27	29.70	-3.57	29.602	0.1%	0.1	0.005	1700.989	0.6574	0.6529	0.3265	0.79	0.9921	0.0052	1.56	0.9844	1.61	0.8280	38.2	38.8	3.9E-07	7.90E-07	7.1E-05	0.4433
04-Aug	08:42:00	200.60	75.00	37	26	29.73	-3.53	29.602	0.0%	0.1	0.005	1701.646	0.6574	0.6533	0.3266	0.75	0.9925	0.0050	1.52	0.9848	1.61	0.8279	39.2	39.9	4.1E-07	8.12E-07	7.3E-05	0.4434
04-Aug	08:44:00	200.60	74.90	36	26	29.71	-3.50	29.602	0.0%	0.1	0.005	1702.304	0.6574	0.6534	0.3267	0.75	0.9925	0.0049	1.52	0.9848	1.61	0.8281	38.2	38.8	4.0E-07	7.90E-07	7.1E-05	0.4435
04-Aug	08:46:00	200.80	75.00	36	26	29.71	-3.47	29.601	0.0%	0.1	0.005	1702.961	0.6574	0.6533	0.3266	0.75	0.9925	0.0050	1.52	0.9848	1.60	0.8282	38.2	38.8	3.9E-07	7.90E-07	7.1E-05	0.4435
04-Aug	08:48:00	200.70	75.10	36	26	29.68	-3.43	29.601	0.0%	0.1	0.005	1703.619	0.6574	0.6531	0.3266	0.76	0.9924	0.0050	1.52	0.9848	1.60	0.8279	38.2	38.8	3.9E-07	7.90E-07	7.1E-05	0.4436
04-Aug	08:50:00	200.70	75.00	36	28	29.71	-3.40	29.601	0.0%	0.1	0.005	1704.276	0.6574	0.6529	0.3264	0.81	0.9919	0.0053	1.57	0.9843	1.60	0.8280	38.2	38.8	3.9E-07	7.89E-07	7.1E-05	0.4437
04-Aug	08:52:00	200.60	74.90	36	26	29.70	-3.37	29.601	0.0%	0.1	0.005	1704.933	0.6574	0.6534	0.3267	0.75	0.9925	0.0049	1.51	0.9849	1.60	0.8280	38.2	38.8	4.0E-07	7.90E-07	7.1E-05	0.4437
04-Aug	08:54:00	200.60	75.00	37	28	29.68	-3.33	29.600	0.0%	0.1	0.005	1705.591	0.6574	0.6529	0.3264	0.81	0.9919	0.0053	1.57	0.9843	1.60	0.8279	39.2	39.9	4.1E-07	8.11E-07	7.3E-05	0.4438
04-Aug	08:56:00	200.80	75.00	37	26	29.70	-3.30	29.600	0.0%	0.1	0.005	1706.248	0.6574	0.6533	0.3266	0.75	0.9925	0.0050	1.51	0.9849	1.60	0.8281	39.2	39.9	4.1E-07	8.12E-07	7.3E-05	0.4439
04-Aug	08:58:00	200.70	75.00	36	26	29.66	-3.27	29.600	0.0%	0.1	0.005	1706.906	0.6574	0.6533	0.3266	0.75	0.9925	0.0050	1.51	0.9849	1.59	0.8280	38.2	38.8	3.9E-07	7.90E-07	7.1E-05	0.4440
04-Aug	09:00:00	200.70	75.00	36	26	29.66	-3.23	29.600	0.0%	0.1	0.005	1707.563	0.6574	0.6533	0.3266	0.75	0.9925	0.0050	1.51	0.9849	1.59	0.8279	38.2	38.8	3.9E-07	7.90E-07	7.1E-05	0.4440
04-Aug	09:02:00	200.80	75.00	36	26	29.64	-3.20	29.599	0.0%	0.1	0.005	1708.221	0.6574	0.6533	0.3266	0.75	0.9925	0.0050	1.51	0.9849	1.59	0.8280	38.2	38.8	3.9E-07	7.90E-07	7.1E-05	0.4441
04-Aug	09:04:00	200.80	75.10	36	26	29.68	-3.17	29.599	0.0%	0.1	0.005	1708.878	0.6574	0.6531	0.3266	0.76	0.9924	0.0050	1.51	0.9849	1.59	0.8279	38.2	38.8	3.9E-07	7.90E-07	7.1E-05	0.4442
04-Aug	09:06:00	200.80	75.00	37	27	29.70	-3.13	29.599	0.0%	0.1	0.005	1709.535	0.6574	0.6531	0.3265	0.78	0.9922	0.0051	1.53	0.9847	1.58	0.8280	39.2	39.9	4.1E-07	8.11E-07	7.3E-05	0.4442
04-Aug	09:08:00	200.80	75.00	36	27	29.67	-3.10	29.599	0.0%	0.1	0.005	1710.193	0.6574	0.6531	0.3265	0.78	0.9922	0.0052	1.53	0.9847	1.58	0.8280	38.2	38.8	3.9E-07	7.90E-07	7.1E-05	0.4443
04-Aug	09:10:00	200.40	75.10	36	27	29.67	-3.07	29.598	0.0%	0.1	0.005	1710.850	0.6574	0.6529	0.3265	0.79	0.9921	0.0052	1.53	0.9847	1.58	0.8273	38.2	38.8	3.9E-07	7.89E-07	7.1E-05	0.4444
04-Aug	09:12:00	200.80	75.00	37	26	29.67	-3.03	29.598	0.0%	0.1	0.005	1711.508	0.6574	0.6533	0.3266	0.75	0.9925	0.0050	1.50	0.9850	1.58	0.8278	39.2	39.9	4.1E-07	8.12E-07	7.3E-05	0.4444
04-Aug	09:14:00	200.60	75.10	36	27	29.68	-3.00	29.598	0.0%	0.1	0.005	1712.165	0.6574	0.6529	0.3265	0.79	0.9921	0.0052	1.53	0.9847	1.58	0.8276	38.2	38.8	3.9E-07	7.89E-07	7.1E-05	0.4445
04-Aug	09:16:00	200.60	75.10	36	27	29.68	-2.97	29.598	0.0%	0.1	0.005	1712.823	0.6574	0.6529	0.3265	0.79	0.9921	0.0052	1.52	0.9848	1.58	0.8275	38.2	38.8	3.9E-07	7.89E-07	7.1E-05	0.4446
04-Aug	09:18:00	200.60	75.10	36	26	29.69	-2.93	29.598	0.0%	0.1	0.005	1713.480	0.6574	0.6531	0.3266	0.76	0.9924	0.0050	1.49	0.9851	1.58	0.8275	38.2	38.8	3.9E-07	7.90E-07	7.1E-05	0.4447
04-Aug	09:20:00	200.80	75.00	36	27	29.66	-2.90	29.597	0.0%	0.1	0.005	1714.137	0.6574	0.6531	0.3265	0.78	0.9922	0.0052	1.52	0.9848	1.57	0.8279	38.2	38.8	3.9E-07	7.89E-07	7.1E-05	0.4447
04-Aug	09:22:00	200.80	75.20	36	28	29.68	-2.87	29.597	0.0%	0.1	0.005	1714.795	0.6574	0.6526	0.3263	0.82	0.9918	0.0054	1.55	0.9845	1.57	0.8276	38.2	38.8	3.9E-07	7.89E-07	7.1E-05	0.4448
04-Aug	09:24:00	200.60	75.20	36	28	29.64	-2.83	29.597	0.0%	0.1	0.005	1715.452	0.6574	0.6526	0.3263	0.82	0.9918	0.0054	1.55	0.9845	1.57	0.8273	38.2	38.8	3.9E-07	7.89E-07	7.1E-05	0.4449
04-Aug	09:26:00	200.60	75.10	36	27	29.66	-2.80	29.597	0.0%	0.1	0.005	1716.110	0.6574	0.6529	0.3265	0.79	0.9921	0.0052	1.51	0.9849	1.57	0.8274	38.2	38.8	3.9E-07	7.89E-07	7.1E-05	0.4449
04-Aug	09:28:00	200.80	75.30	36	26	29.64	-2.77	29.596	0.0%	0.1	0.005	1716.767	0.6574	0.6528	0.3264	0.76	0.9924	0.0050	1.49	0.9851	1.57	0.8274	38.2	38.8	3.9E-07	7.89E-07	7.1E-05	0.4450
04-Aug	09:30:00	200.80	75.20	36	27	29.64	-2.73	29.596	0.0%	0.1	0.005	1717.424	0.6574	0.6528	0.3264	0.79	0.9921	0.0052	1.51	0.9849	1.57	0.8275	38.2	38.8	3.9E-07	7.89E-07	7.1E-05	0.4451
04-Aug	09:32:00	200.60	75.20	36	26	29.63	-2.70	29.596	0.0%	0.1	0.005	1718.082	0.6574	0.6530	0.3265	0.76	0.9924	0.0050	1.48	0.9852	1.57	0.8272	38.2	38.8	3.9E-07	7.89E-07	7.1E-05	0.4452
04-Aug	09:34:00	200.70	75.20	36	28	29.65	-2.67	29.596	0.0%	0.1	0.005	1718.739	0.6574	0.6526	0.3263	0.82	0.9918	0.0054	1.54	0.9846	1.56	0.8274	38.2	38.8	3.9E-07	7.89E-07	7.1E-05	0.4452
04-Aug	09:36:00	200.80	75.30	36	26	29.67	-2.63	29.595	0.0%	0.1	0.005	1719.397	0.6574	0.6531	0.3266	0.76	0.9924	0.0050	1.48	0.9852	1.56	0.8276	38.2	38.8	3.9E-07	7.89E-07	7.1E-05	0.4453
04-Aug	09:38:00	200.80	75.30	36	26	29.69	-2.60	29.595	0.0%	0.1	0.005	1720.054	0.6574	0.6528	0.3264	0.76	0.9924	0.0050	1.48	0.9852	1.56	0.8273	38.2	38.8	3.9E-07	7.89E-07	7.1E-05	0.4454
04-Aug	09:40:00	200.80	75.40	36	27	29.66	-2.57	29.595	0.0%	0.1	0.005	1720.712	0.6574	0.6525	0.3263	0.79	0.9921	0.0052	1.55	0.9849	1.56	0.8271	38.2	38.8	3.9E-07	7.89E-07	7.1E-05	0.4454
04-Aug	09:42:00	200.80	75.30	36	26	29.65	-2.53	29.595	0.0%	0.1	0.005	1721.369	0.6574	0.6528	0.3264	0.76	0.9924	0.0050	1.48	0.9852	1.56	0.8273	38.2	38.8	3.9E-07	7.89E-07	7.1E-05	0.4455
04-Aug	09:44:00	200.90	75.40	36	26	29.66	-2.50	29.595	0.0%	0.1	0.005	1722.026	0.6574	0.6527	0.3264	0.76	0.9924	0.0050	1.48	0.9852	1.55	0.8272	38.2	38.8	3.9E-07	7.89E-07	7.1E-05	0.4456
04-Aug	09:46:00	200.80	75.20	36	26	29.64	-2.47	29.594	0.0%	0.1	0.005	1722.684	0.6574	0.6530	0.3265	0.76	0.9924	0.0050	1.47	0.9853	1.55	0.8274	38.2	38.8	3.9E-07	7.89E-07	7.1E-05	0.4456
04-Aug	09:48:00	200.80	75.30	36	27	29.63	-2.43	29.594	0.0%	0.1	0.005	1723.341	0.6574	0.6527	0.3263	0.79	0.9921	0.0052	1.50	0.9850	1.55	0.8272	38.2	38.8	3.9E-07	7.89E-07	7.1E-05	0.4457
04-Aug	09:50:00	200.80	75.30	36	26	29.63	-2.40	29.594	0.0%	0.1	0.005	1723.999	0.6574	0.6528	0.3264	0.76	0.9924	0.0050	1.47	0.9853	1.55	0.8272	38.2	38.8	3.9E-07	7.89E-07	7.1E-05	0.4458
04-Aug	09:52:00	200.60	75.20	36	26	29.62	-2.37	29.594	0.0%	0.1	0.005	1724.656	0.6574	0.6530	0.3265	0.76	0.9924	0.0050	1.46	0.9854	1.55	0.8271	38.2	38.8	3.9E-07	7.87E-07	7.1E-05	0.4459
04-Aug	09:54:00	200.80	75.20	36	26	29.63	-2.33	29.593	0.0%	0.1	0.005	1725.314	0.6574	0.6530	0.3265	0.76	0.9924	0.0050	1.46	0.9854	1.54	0.8273	38.2	38.8	3.9E-07	7.89E-07	7.1E-05	0.4459
04-Aug	09:56:00	200.80	75.30	36	28	29.64	-2.30	29.593	0.0%	0.1	0.005	1725.971	0.6574	0.6525	0.3262	0.82	0.9918	0.0054	1.52	0.9848	1.54	0.8272	38.2	38.8	3.9E-07	7.88E-07	7.1E-05	0.4460
04-Aug	09:58:00	200.80	75.30	36	27	29.64	-2.27	29.593	0.0%	0.1	0.005	1726.628	0.6574	0.6527	0.3263	0.79	0.9921	0.0052	1.49	0.9851	1.54	0.8271	38.2	38.8	3.9E-07	7.89E-07	7.1E-05	0.4461
04-Aug	10:00:00	200.80	75.50	36	27	29.67	-2.23	29.593	0.0%	0.1	0.005	1727.286	0.6574	0.6524	0.3262	0.80	0.9920	0.0053	1.49	0.9851	1.54	0.8268	38.2	38.8	3.9E-07	7.88E-07	7.1E-05	0.4461
04-Aug	10:02:00	200.80	75.30	36	27	29.64	-2.20	29.593	0.0%	0.1	0.005	1727.943	0.6574	0.6527	0.3263	0.79	0.9921	0.0052	1.48	0.9852	1.54	0.8271	38.2	38.8	3.9E-07	7.89E-07	7.1E-05	0.4462
04-Aug	10:04:00	201.00	75.50	35	26	29.64	-2.17	29.592	0.0%	0.1	0.005	1728.601	0.6574	0.6526	0.3263	0.77	0.9923	0.0050	1.46	0.9854	1.54	0.8270	37.1	37.7	3.8E-07	7.67E-07	6.9E-05	0.4463
04-Aug	10:06:00	200.80	75.50	35	28	29.66	-2.13	29.592	0.0%	0.1	0.005	1729.258	0.6574	0.6522	0.3261	0.83	0.9917	0.0054	1.51	0.9849	1.54	0.8267	37.1	37.7	3.8E-07	7.66E-07	6.9E-05	0.4464
04-Aug	10:08:00	200.80	75.50	34	28	29.62	-2.10	29.592	0.0%	0.1	0.005	1729.915	0.6574	0.6522	0.3261	0.83	0.9917	0.0054	1.51	0.9849	1.53	0.8267	36.0	36.6	3.7E-07	7.44E-07	6.7E-05	0.4464
04-Aug	10:10:00	200.70	75.50	35	27	29.62	-2.07	29.592	0.0%	0.1	0.005	1730.573	0.6574	0.6524	0.3262	0.80	0.9920	0.0052	1.48	0.9852	1.53	0.8266	37.1	37.7	3.8E-07	7.66E-07	6.9E-05	0.4465
04-Aug	10:12:00	200.80	75.70	35	28	29.64	-2.03	29.592	0.0%	0.1	0.005	1731.230	0.6574	0.6519	0.3260	0.83	0.9917	0.0055	1.51	0.9849	1.53	0.8264	37.1	37.7	3.8E-07	7.66E-07	6.9E-05	0.4466
04-Aug	10:14:00	200.70	75.60	36	27	29.64	-2.00	29.591	0.0%	0.1	0.005	1731.888	0.6574	0.6522	0.3261	0.80	0.9920	0.0052	1.48	0.9852	1.53	0.8264	38.2	38.8	3.9E-07	7.88E-07	7.0E-05	0.4466
04-Aug	10:16:00	200.90	75.60	36	26	29.61	-1.97	29.591	0.0%	0.1	0.005	1732.545	0.6574	0.6524	0.3262	0.77	0.9923	0.0051	1.45	0.9855	1.53	0.8266	38.2	38.8	3.9E-07	7.88E-07	7.1E-05	0.4467
04-Aug	10:18:00	200.80	75.70	36	27	29.59	-1.93	29.591	0.0%	0.1	0.005	1733.203	0.6574	0.6521	0.3261	0.80	0.9920	0.0053	1.48	0.9852	1.53	0.8263	38.2	38.8	3.9E-07	7.88E-07	7.0E-05	0.4468
04-Aug	10:20:00	200.80	75.80	36	27	29.60	-1.90	29.591	0.0%	0.1	0.005	1733.860	0.6574	0.6520	0.3260	0.80	0.9920	0.0053	1.48	0.9852	1.53	0.8262	38.2	38.8	3.9E-07	7.88E-07	7.0E-05	0.4468
04-Aug	10:22:00	200.70	75.80	35	28	29.58	-1.87	29.590	0.0%	0.1	0.004	1734.517	0.6574	0.6518	0.3259	0.83	0.9917	0.0055	1.51	0.9849	1.53	0.8260	37.1	37.7	3.8E-07	7.66E-07	6.8E-05	0.4469
04-Aug	10:24:00	200.70	75.80	35	27	29.58	-1.83	29.590	0.0%	0.1	0.004	1735.175	0.6574	0.6520	0.3260	0.80	0.9920	0.0053	1.47	0.9853	1.53	0.8260	37.1	37.7	3.8E-07	7.66E-07	6.9E-05	0.4470
04-Aug	10:26:00	200.80	75.90	35	27	29.61	-1.80	29.590	0.0%	0.1	0.004	1735.832	0.6574	0.6518	0.3259	0.81	0.9919	0.0053	1.47	0.9853	1.52	0.8259	37.1	37.7	3.8E-07	7.66E-07	6.8E-05	0.4470
04-Aug	10:28:00	200.80	75.80	35	28	29.60	-1.77	29.590	0.0%	0.1	0.004	1736.490	0.6574	0.6518	0.3259	0.83	0.9917	0.0055	1.50	0.9850	1.52	0.8261	37.1	37.7	3.8E-07	7.66E-07	6.8E-05	0.4471
04-Aug	10:30:00	200.90	76.00	35	27	29.59	-1.73	29.590	0.0%	0.1	0.004	1737.147	0.6574	0.6517	0.3258	0.81	0.9919	0.0053	1.47	0.9853	1.52	0.8259	37.1	37.7	3.8E-07	7.65E-07	6.8E-05	0.4472
04-Aug	10:32:00	200.90	76.00	35	27	29.62	-1.70	29.589	0.0%	0.1	0.004	1737.805	0.6574	0.6517	0.3258	0.81	0.9919	0.0053	1.47	0.9853	1.52	0.8259	37.1	37.7	3.8E-07	7.65E-07	6.8E-05	0.4472
04-Aug	10:34:00	201.30	76.00	36	27	29.64	-1.67	29.589	0.0%	0.1	0.004	1738.462	0.6574	0.6517	0.3258	0.81	0.9919	0.0053	1.47	0.9853	1.52	0.8264	38.2	38.8	3.9E-07	7.87E-07	7.0E-05	0.4473
04-Aug	10:36:00	201.10	76.10	36	27	29.61	-1.63	29.589	0.0%	0.1	0.004	1739.119	0.6574	0.6515	0.3258	0.81	0.9919	0.0053	1.47	0.9853	1.52	0.8259	38.2	38.8	3.9E-07	7.87E-07	7.0E-05	0.4474
04-Aug	10:38:00	200.90	76.10	36	27	29.60	-1.60	29.589	0.0%	0.1	0.004	1739.777	0.6574	0.6516	0.3258	0.81	0.9919	0.0053	1.47	0.9853	1.52	0.8257	38.2	38.8	3.9E-07	7.87E-07	7.0E-05	0.4475
04-Aug	10:40:00	201.20	76.20	35	28	29.62	-1.57	29.589	0.0%	0.1	0.004	1740.434	0.6574	0.6512	0.3256	0.84	0.9916	0.0055	1.50	0.9850	1.52	0.8258	37.1	37.7	3.8E-07	7.65E-07	6.8E-05	0.4475
04-Aug	10:42:00	200.90	76.00	35	28	29.63	-1.53	29.588	0.0%	0.1	0.004	1741.092	0.6574	0.6515	0.3257	0.84	0.9916	0.0055	1.49	0.9851	1.51	0.8258	37.1	37.7	3.8E-07	7.65E-07	6.8E-05	0.4476
04-Aug	10:44:00	201.30	76.10	35	28	29.62	-1.50	29.588	0.0%	0.1	0.004	1741.749	0.6574	0.6514	0.3257	0.84	0.9916	0.0055	1.49	0.9851	1.51	0.8261	37.1	37.7	3.8E-07	7.65E-07	6.8E-05	0.4477
04-Aug	10:46:00	201.20	76.30	35	28	29.63	-1.47	29.588	0.0%	0.1	0.004	1742.406	0.6574	0.6511	0.3255	0.85	0.9915	0.0056	1.49	0.9851	1.51	0.8256	37.1	37.7	3.8E-07	7.65E-07	6.8E-05	0.4477
04-Aug	10:48:00	201.00	76.20	35	27	29.59	-1.43	29.588	0.0%	0.1	0.004	1743.064	0.6574	0.6514	0.3257	0.81	0.9919	0.0053	1.46	0.9854	1.51	0.8255	37.1	37.7	3.8E-07	7.65E-07	6.8E-05	0.4478
04-Aug	10:50:00	201.10	76.30	35	27	29.59	-1.40	29.588	0.0%	0.1	0.004	1743.721	0.6574	0.6513	0.3256	0.82	0.9918	0.0054	1.46	0.9854	1.51	0.8255	37.1	37.7	3.8E-07	7.65E-07	6.8E-05	0.4479
04-Aug	10:52:00	201.30	76.30	35	27	29.59	-1.37	29.587	0.0%	0.1	0.004	1744.379	0.6574	0.6513	0.3256	0.82	0.9918	0.0054	1.45	0.9855	1.51	0.8257	37.1	37.7	3.8E-07	7.65E-07	6.8E-05	0.4479
04-Aug	10:54:00	201.00	76.20	36	27	29.60	-1.33	29.587	0.0%	0.1	0.004	1745.036	0.6574	0.6514	0.3257	0.81	0.9919	0.0053	1.45	0.9855	1.51	0.8255	38.2	38.8	3.9E-07	7.87E-07	7.0E-05	0.4480
04-Aug	10:56:00	201.00	76.30	35	27	29.60	-1.30	29.587	0.0%	0.1	0.004	1745.694	0.6574	0.6513	0.3256	0.82	0.9918	0.0054	1.45	0.9855	1.51	0.8253	37.1	37.7	3.8E-07	7.65E-07	6.8E-05	0.4481
04-Aug	10:58:00	201.30	76.30	35	27	29.62	-1.27	29.587	0.0%	0.1	0.004	1746.351	0.6574	0.6513	0.3256	0.82	0.9918	0.0054	1.45	0.9855	1.51	0.8256	37.1	37.7	3.8E-07	7.65E-07	6.8E-05	0.4481
04-Aug	11:00:00	201.10	76.20	35	27	29.59	-1.23	29.587	0.0%	0.1	0.004	1747.008	0.6574	0.6514	0.3257	0.81	0.9919	0.0053	1.44	0.9856	1.50	0.8255	37.1	37.7	3.8E-07	7.65E-07	6.8E-05	0.4482
04-Aug	11:02:00	201.10	76.20	34	28	29.63	-1.20	29.586	0.0%	0.1	0.004	1747.666	0.6574	0.6512	0.3256	0.84	0.9916	0.0055	1.47	0.9853	1.50	0.8257	36.0	36.6	3.7E-07	7.43E-07	6.6E-05	0.4483
04-Aug	11:04:00	201.10	76.30	35	27	29.58	-1.17	29.586	0.0%	0.1	0.004	1748.323	0.6574	0.6511	0.3256	0.82	0.9918	0.0054	1.44	0.9856	1.50	0.8253	37.1	37.7	3.8E-07	7.65E-07	6.8E-05	0.4483
04-Aug	11:06:00	201.20	76.40	34	26	29.59	-1.13	29.586	0.0%	0.1	0.004	1748.981	0.6574	0.6513	0.3257	0.79	0.9921	0.0052	1.41	0.9859	1.50	0.8253	36.0	36.6	3.7E-07	7.43E-07	6.6E-05	0.4484
04-Aug	11:08:00	201.20	76.40	36	26	29.61	-1.10	29.586	0.0%	0.1	0.004	1749.638	0.6574	0.6513	0.3257	0.79	0.9921	0.0052	1.41	0.9859	1.50	0.8252	38.2	38.7	3.9E-07	7.87E-07	7.0E-05	0.4485
04-Aug	11:10:00	201.30	76.50	35	26	29.59	-1.07	29.586	0.0%	0.1	0.004	1750.296	0.6574	0.6512	0.3256	0.79	0.9921	0.0052	1.41	0.9859	1.49	0.8252	37.1	37.7	3.8E-07	7.65E-07	6.8E-05	0.4486
04-Aug	11:12:00	201.00	76.30	35	28	29.61	-1.03	29.585	0.0%	0.1	0.004	1750.953	0.6574	0.6511	0.3255	0.85	0.9915	0.0056	1.46	0.9854	1.49	0.8251	37.1	37.7	3.8E-07	7.65E-07	6.8E-05	0.4486
04-Aug	11:14:00	201.00	76.30	34	27	29.55	-1.00	29.585	0.0%	0.1	0.004	1751.610	0.6574	0.6513	0.3256	0.82	0.9918	0.0054	1.43	0.9857	1.49	0.8251	36.0	36.6	3.7E-07	7.43E-07	6.6E-05	0.4487
04-Aug	11:16:00	201.00	76.30	36	26	29.59	-0.97	29.585	0.0%	0.1	0.004	1752.268	0.6574	0.6513	0.3257	0.79	0.9921	0.0052	1.39	0.9861	1.49	0.8251	38.2	38.7	3.9E-07	7.87E-07	7.0E-05	0.4488
04-Aug	11:18:00	201.30	76.50	35	27	29.56	-0.93	29.585	0.0%	0.1	0.004	1752.925	0.6574	0.6510	0.3255	0.82	0.9918	0.0054	1.43	0.9857	1.49	0.8251	37.1	37.7	3.8E-07	7.64E-07	6.8E-05	0.4488
04-Aug	11:20:00	201.30	76.60	34	26	29.57	-0.90	29.585	0.0%	0.1	0.004	1753.583	0.6574	0.6510	0.3255	0.79	0.9921	0.0053	1.40	0.9860	1.49	0.8249	36.0	36.6	3.7E-07	7.43E-07	6.6E-05	0.4489
04-Aug	11:22:00	201.10	76.60	34	28	29.54	-0.87	29.585	0.0%	0.1	0.004	1754.240	0.6574	0.6507	0.3253	0.86	0.9914	0.0056	1.46	0.9854	1.48	0.8247	36.0	36.6	3.7E-07	7.42E-07	6.6E-05	0.4490
04-Aug	11:24:00	201.00	76.50	35	27	29.55	-0.83	29.584	0.0%	0.1	0.004	1754.897	0.6574	0.6510	0.3255	0.82	0.9918	0.0054	1.42	0.9858	1.48	0.8247	37.1	37.7	3.8E-07	7.64E-07	6.8E-05	0.4490
04-Aug	11:26:00	201.10	76.50	35	26	29.58	-0.80	29.584	0.0%	0.1	0.004	1755.555	0.6574	0.6512	0.3256	0.79	0.9921	0.0052	1.39	0.9861	1.48	0.8248	37.1	37.7	3.8E-07	7.65E-07	6.8E-05	0.4491
04-Aug	11:28:00	201.30	76.60	34	28	29.55	-0.77	29.584	0.0%	0.1	0.004	1756.212	0.6574	0.6506	0.3253	0.86	0.9914	0.0056	1.45	0.9855	1.48	0.8247	36.0	36.6	3.7E-07	7.42E-07	6.6E-05	0.4492
04-Aug	11:30:00	201.10	76.60	35	28	29.58	-0.73	29.584	0.0%	0.1	0.004	1756.870	0.6574	0.6506	0.3253	0.86	0.9914	0.0056	1.44	0.9856	1.48	0.8246	37.1	37.7	3.8E-07	7.64E-07	6.8E-05	0.4492
04-Aug	11:32:00	201.20	76.50	34	27	29.55	-0.70	29.584	0.0%	0.1	0.004	1757.527	0.6574	0.6510	0.3255	0.82	0.9918	0.0054	1.41	0.9859	1.48	0.8248	36.0	36.6	3.7E-07	7.42E-07	6.6E-05	0.4493
04-Aug	11:34:00	201.20	76.50	35	27	29.57	-0.67	29.583	0.0%	0.1	0.004	1758.185	0.6574	0.6510	0.3255	0.82	0.9918	0.0054	1.41	0.9859	1.47	0.8248	37.1	37.7	3.8E-07	7.64E-07	6.8E-05	0.4494
04-Aug	11:36:00	201.10	76.70	35	28	29.54	-0.63	29.583	0.0%	0.1	0.004	1758.842	0.6574	0.6503	0.3252	0.86	0.9914	0.0056	1.44	0.9856	1.47	0.8244	37.1	37.7	3.8E-07	7.64E-07	6.8E-05	0.4494
04-Aug	11:38:00	201.10	76.50	35	28	29.54	-0.60	29.583	0.0%	0.1	0.004	1759.499	0.6574	0.6508	0.3254	0.85	0.9915	0.0056	1.43	0.9857	1.47	0.8247	37.1	37.7	3.8E-07	7.64E-07	6.8E-05	0.4495
04-Aug	11:40:00	201.10	76.60	34	28	29.57	-0.57	29.583	0.0%	0.1	0.004	1760.157	0.6574	0.6506	0.3253	0.86	0.9914	0.0056	1.43	0.9857	1.47	0.8245	36.0	36.6	3.7E-07	7.42E-07	6.6E-05	0.4496
04-Aug	11:42:00	201.20	76.50	34	29	29.55	-0.53	29.583	0.0%	0.1	0.004	1760.814	0.6574	0.6506	0.3253	0.88	0.9912	0.0058	1.45	0.9855	1.47	0.8247	36.0	36.6	3.7E-07	7.42E-07	6.6E-05	0.4496
04-Aug	11:44:00	200.90	76.50	34	30	29.58	-0.50	29.583	0.0%	0.1	0.004	1761.472	0.6574	0.6504	0.3252	0.91	0.9909	0.0060	1.48	0.9852	1.47	0.8243	36.0	36.6	3.7E-07	7.42E-07	6.6E-05	0.4497
04-Aug	11:46:00	201.00	76.50	34	30	29.57	-0.47	29.582	0.0%	0.1	0.004	1762.129	0.6574	0.6504	0.3252	0.91	0.9909	0.0060	1.48	0.9852	1.47	0.8244	36.0	36.6	3.7E-07	7.42E-07	6.6E-05	0.4498
04-Aug	11:48:00	201.00	76.50	34	30	29.59	-0.43	29.582	0.0%	0.1	0.004	1762.787	0.6574	0.6504	0.3252	0.91	0.9909	0.0060	1.48	0.9852	1.47	0.8244	36.0	36.6	3.7E-07	7.42E-07	6.6E-05	0.4498
04-Aug	11:50:00	201.30	76.50	34	29	29.59	-0.40	29.582	0.0%	0.1	0.004	1763.444	0.6574	0.6506	0.3253	0.88	0.9912	0.0058	1.44	0.9856	1.47	0.8243	36.0	36.6	3.7E-07	7.42E-07	6.6E-05	0.4499
04-Aug	11:52:00	201.10	76.60	34	29	29.59	-0.37	29.582	0.0%	0.1	0.004	1764.101	0.6574	0.6504	0.3252	0.89	0.9911	0.0058	1.44	0.9856	1.47	0.8241	36.0	36.6	3.7E-07	7.42E-07	6.6E-05	0.4500
04-Aug	11:54:00	201.10	76.60	34	29	29.61	-0.33	29.582	0.0%	0.1	0.004	1764.759	0.6574	0.6505	0.3252	0.89	0.9911	0.0058	1.44	0.9856	1.47	0.8241	36.0	36.6	3.7E-07	7.42E-07	6.6E-05	0.4500
04-Aug	11:56:00	201.10	76.60	35	30	29.62	-0.30	29.582	0.0%	0.1	0.004	1765.416	0.6574	0.6502	0.3251	0.92	0.9908	0.0060	1.47	0.9853	1.47	0.8243	37.1	37.7	3.8E-07	7.63E-07	6.8E-05	0.4501
04-Aug	11:58:00	201.00	76.60	35	29	29.62	-0.27	29.581	0.0%	0.1	0.004	1766.074	0.6574	0.6505	0.3252	0.89	0.9911	0.0058	1.43	0.9857	1.47	0.8241	37.1	37.7	3.8E-07	7.64E-07	6.8E-05	0.4502
04-Aug	12:00:00	200.90	76.60	35	31	29.59	-0.23	29.581	0.0%	0.1	0.004	1766.731	0.6574	0.6500	0.3250	0.95	0.9905	0.0062	1.49	0.9851	1.47	0.8240	37.1	37.7	3.8E-07	7.63E-07	6.8E-05	0.4502
04-Aug	12:02:00	201.00	76.50	34	29	29.59	-0.20	29.581	0.0%	0.1	0.004	1767.388	0.6574	0.6506	0.3253	0.88	0.9912	0.0058	1.43	0.9857	1.47	0.8242	36.0	36.6	3.7E-07	7.42E-07	6.6E-05	0.4503
04-Aug	12:04:00	200.80	76.60	35	29	29.61	-0.17	29.581	0.0%	0.1	0.004	1768.046	0.6574	0.6504	0.3252	0.89	0.9911	0.0058	1.43	0.9857	1.47	0.8238	37.1	37.7	3.8E-07	7.64E-07	6.8E-05	0.4504
04-Aug	12:06:00	200.90	76.60	34	31	29.59	-0.13	29.581	0.0%	0.1	0.004	1768.703	0.6574	0.6501	0.3250	0.95	0.9905	0.0062	1.48	0.9852	1.47	0.8239	36.0	36.6	3.7E-07	7.41E-07	6.6E-05	0.4504
04-Aug	12:08:00	201.00	76.60	34	30	29.58	-0.10	29.580	0.0%	0.1	0.004	1769.361	0.6574	0.6501	0.3251	0.92	0.9908	0.0060	1.45	0.9855	1.47	0.8240	36.0	36.6	3.7E-07	7.42E-07	6.6E-05	0.4505
04-Aug	12:10:00	201.20	76.60	34	29	29.58	-0.07	29.580	0.0%	0.1	0.004	1770.018	0.6574	0.6504	0.3252	0.89	0.9911	0.0058	1.42	0.9858	1.47	0.8242	36.0	36.6	3.7E-07	7.42E-07	6.6E-05	0.4506
04-Aug	12:12:00	201.20	76.60	34	29	29.62	-0.03	29.580	0.0%	0.1	0.004	1770.676	0.6574	0.6503	0.3252	0.89	0.9911	0.0058	1.41	0.9859	1.46	0.8242	36.0	36.6	3.7E-07	7.42E-07	6.6E-05	0.4506
04-Aug	12:14:00	201.20	76.80	34	28	29.58	0.00	29.580	0.0%	0.1	0.003	1771.333	0.6574	0.6504	0.3252	0.86	0.9914	0.0057	1.39	0.9861	1.46	0.8239	36.0	36.6	3.7E-07	7.42E-07	6.6E-05	0.4507


Northwest hardwood Trial #1
ALDER
Concentration (ppmv)
500
450
400
350
300
250
200
150
100
50
0
12:00
18:00
00:00
06:00
12:00
18:00
00:00
06:00
12:00
18:00
00:00
06:00
12:00
August 1-4, 1996
Actual Data VOC (ppmv-C)
Corrected Data VOC (ppmv-C Dry)


Northwest hardwood Trial #1
ALDER
Percent Moisture
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
Temperature & Relative Humidity
120
110
100
90
80
70
60
50
40
30
20
10
0
12:00
18:00
00:00
06:00
12:00
18:00
00:00
06:00
12:00
18:00
00:00
06:00
12:00
August 1-4, 1996
Inlet Percent Moisture
Relative Humidity
Inlet Meter Temperature (F)


Northwest Hardwood Trial #1
Alder
0.350
0.345
0.340
0.335
0.330
0.325
0.320
0.315
0.310
0.305
0.300
0.295
0.290
0.285
0.280
Inlet Meter Rate (acf/min)
12:00 18:00 00:00 06:00 12:00 18:00 00:00 06:00 12:00 18:00 00:00 06:00 12:00 18:00 00:00
August 1-4, 1996
Meter Readings

File	fs022796
Method	EPA #5.3.2 & 5.6
Location	Horizon Shop
Meter Box ID	FS-A 685998
Meter ID	None
calibrated	jdf

Pb= 29.95 (in Hg)
Ta= 61.6 (oF)
Date 2/26/96

	Old	New	Change
	2-26-96	9-23-96	(+/-)
Y=	0.98842	0.98537	-0.31%

FS-A 685998 FS-A 685998 FS-A 685998 FS-A 685998	VAC (inH20)	dH (inH2O)	Standard Meter (ft3)	Net (ft3)	Field Meter (ft3)	Net (ft3)	Standard Tw (oF)	Meter Tw (oR)	Field Tdi (oF)	Meter Tdo (oF)	To (oR)	Tm (oR)	Time t (min)	Y	Allowable Tolerance Y 0.020
Initial	N/A	N/A	0.1500	5.8500	861.1880	5.9410	71.0	531.0	71.0	71.0	531.0	531.0	11.283	0.98468	0.001
Final			6.0000		867.1290		71.0		71.0	71.0					
Initial	N/A	N/A	0.0500	6.9500	867.1720	7.0430	71.0	531.5	71.0	71.0	531.5	531.5	29.683	0.98680	0.001
Final			7.0000		874.2150		72.0		72.0	72.0					
Initial	N/A	N/A	1.0000	5.0000	874.2150	5.0780	72.0	532.0	72.0	72.0	532.0	532.0	18.367	0.98464	0.001
Final			6.0000		879.2930		72.0		72.0	72.0					
														0.98537	0.001

File	
Method	EPA #5.3.2 & 5.6
Location	Horizon Shop
Meter Box ID	FS-D 2713329
Meter ID	None
calibrated	drb

Pb= 30.01 (in Hg)
Ta= 66 (oF)
Date 9/23/96

	Old	New	Change
	2-27-96	9-23-96	(+/-)
Y=	1.01885	0.99517	-2.32%

FS-D 2713329 FS-D 2713329 FS-D 2713329 FS-D 2713329	VAC (inH20)	dH (inH2O)	Standard Meter (ft3)	Net (ft3)	Field Meter (ft3)	Net (ft3)	Standard Tw (oF)	Meter Tw (oR)	Field Tdi (oF)	Meter Tdo (oF)	To (oR)	Tm (oR)	Time t (min)	Y	Allowable Tolerance Y 0.020
Initial	N/A	N/A	0.0000	6.0000	229.3080	6.0180	67.0	527.0	65.0	65.0	525.5	525.5	17.100	0.99417	0.001
Final			6.0000		235.3260		67.0		66.0	66.0					
Initial	N/A	N/A	0.0000	6.0000	235.3260	5.9990	69.0	529.0	66.0	66.0	527.0	527.0	9.350	0.99639	0.001
Final			6.0000		241.3250		69.0		68.0	68.0					
Initial	N/A	N/A	0.0000	6.0000	247.3545	6.0475	70.0	530.0	71.0	71.0	531.5	531.5	11.600	0.99495	0.000
Final			6.0000		253.4020		70.0		72.0	72.0					
														0.99517	0.001

File	fs022796
Method	EPA #5.3.2 & 5.6
Location	Horizon Shop
Meter Box ID	FS-E 2713328
Meter ID	None
calibrated	drb

Pb= 30.01 (in Hg)
Ta= 68 (oF)
Date 9/23/96

	Old	New	Change
	2-27-96	9-23-96	(+/-)
Y=	1.00347	1.00818	0.47%

FS-E 2713328 FS-E 2713328 FS-E 2713328 FS-E 2713328	VAC (inH20)	dH (inH2O)	Standard Meter (ft3)	Net (ft3)	Field Meter (ft3)	Net (ft3)	Standard Tw (oF)	Meter Tw (oR)	Field Tdi (oF)	Meter Tdo (oF)	To (oR)	Tm (oR)	Time t (min)	Y	Allowable Tolerance Y 0.020
Initial	N/A	N/A	0.0500	5.9500	257.3570	5.9190	72.0	531.5	69.0	69.0	530.0	530.0	12.100	1.00240	0.006
Final			6.0000		263.2760		71.0		71.0	71.0					
Initial	N/A	N/A	0.0000	6.0000	263.2760	5.9670	71.0	531.0	71.0	71.0	532.0	532.0	11.717	1.00742	0.001
Final			6.0000		269.2430		71.0		73.0	73.0					
Initial	N/A	N/A	0.0000	6.0000	269.2430	5.9520	71.0	531.0	74.0	74.0	534.5	534.5	12.000	1.01471	0.007
Final			6.0000		275.1950		71.0		75.0	75.0					
														1.00818	0.004

Standard Dry Gas Meter

Flow Rate CFH	Proof
21	O. 99.7
	C. 99.8
36	O. 99.7
	C. 99.6
41	O. 99.6
	C. 99.6
60	O. 99.7
	C. 99.5
75	O. 99.5
	C. 99.6

Tested 12/21/95
By Greg Beck

Date: 21-Aug-96
Next Calibration: 17-Feb-97

Deviation Limit: @60 F 7.8; @212 F 10.1; @375 F 12.5

Pb= 29.95 in Hg
Ta= 80.0 oF

DRB
960820tc

		Ambient			Boiling, Water			Boiling, Oil			Average
	Probe/ID	Standard, F	Measured, F	Difference F	Standard, F	Measured, F	Difference F	Standard, F	Measured, F	Difference F	Difference F
Probe	3-1	38.0	38.6	-0.6	212.4	212.4	0.0	340.8	338.8	2.0	0.47
Probe	3-2	38.0	38.0	0.0	211.6	213.4	-1.8	333.8	332.4	1.4	-0.13
Probe	3-3	37.0	37.8	-0.8	211.6	212.2	-0.6	334.8	332.6	2.2	0.27
Probe	3-4	39.0	39.4	-0.4	211.8	212.2	-0.4	336.2	334.8	1.4	0.20
Probe	4-1	38.0	37.8	0.2	211.2	210.6	0.6	343.8	341.6	2.2	1.00
Probe	4-2	39.0	38.6	0.4	212.2	211.6	0.6	326.4	322.8	3.6	1.53
Probe	4-3	39.0	38.4	0.6	211.4	212.8	-1.4	334.2	331.4	2.8	0.67
Probe	4-4	38.0	37.8	0.2	211.6	212.6	-1.0	335.0	331.6	3.4	0.87
Probe	4-5	38.0	38.6	-0.6	211.6	212	-0.4	347.8	345.6	2.2	0.40
Probe	4-6	38.0	38.8	-0.8	211.6	213.8	-2.2	350.8	348.2	2.6	-0.13
Probe	4-7	37.0	38.4	-1.4	211.4	211.8	-0.4	337.2	341.2	-4.0	-1.93
Probe	5-2	39.0	38.6	0.4	211.8	213.4	-1.6	330.8	330.4	0.4	-0.27
Probe	5-3	38.0	39.4	-1.4	211.8	213.2	-1.4	330.2	328.8	1.4	-0.47
Probe	5-4	38.0	38.0	0.0	212	211.8	0.2	329.2	327.0	2.2	0.80
Probe	5-5	37.0	38.0	-1.0	211.8	212.2	-0.4	328.0	327.8	0.2	-0.40
Probe	5-6	38.0	38.4	-0.4	212	212.8	-0.8	324.4	323.0	1.4	0.07
Probe	5-7	39.0	38.8	0.2	212	213	-1.0	326.2	324.2	2.0	0.40
Probe	5-8	37.0	37.6	-0.6	212	212.8	-0.8	328.0	328.0	0.0	-0.47
Probe	5-9	37.0	39.6	-2.6	211.4	212.8	-1.4	330.4	327.8	2.6	-0.47
Probe	7-1	38.0	38.4	-0.4	212	210	2.0	329.0	326.6	2.4	1.33
Probe	7-2	37.0	37.6	-0.6	211.8	212.8	-1.0	330.6	328.8	1.8	0.07
Probe	7-3	38.5	39.2	-0.7	212.2	211	1.2	327.6	327.6	0.0	0.17
Probe	10-1	39.0	38.8	0.2	212	211	1.0	325.4	324.2	1.2	0.80
Probe	10-2	37.0	38.4	-1.4	212	211.4	0.6	328.0	326.6	1.4	0.20
Probe	10-3	39.0	40.4	-1.4	211.8	211.2	0.6	328.2	326.2	2.0	0.40
Free Standing Pitot	11-S	76.2	78.6	-2.4	196.4	201.2	-4.8	367.4	366.2	1.2	-2.00
	10-S	39.0	38.6	0.4	212	212.6	-0.6	327.0	326.8	0.2	-0.00
	F1	39.0	38.4	0.6	212	212	0.0	341.8	342.2	-0.4	0.07
	F3	39.0	38.4	0.6	212	213.6	-1.6	328.8	327.8	1.0	0.00
	F4	38.0	37.8	0.2	212.6	211	1.6	340.2	338.6	1.6	1.13
	F5	62.8	62.6	0.2	198.2	199	-0.8	368.4	367.8	0.6	-0.00
	F23	37.0	37.0	0.0	212	213	-1.0	341.4	343.6	-2.2	-1.07
	F40	39.0	38.2	0.8	212	212.8	-0.8	355.4	355.6	-0.2	-0.07
	F51	38.0	37.8	0.2	213	213	0.0	330.4	330.2	0.2	0.13
	F83	38.0	38.6	-0.6	212.2	213	-0.8	338.2	338.0	0.2	-0.40
	F84	38.0	38.2	-0.2	210.8	213.6	-2.8	355.6	351.4	4.2	0.40
	F85	38.0	37.6	0.4	212	212.4	-0.4	355.4	352.2	3.2	1.07
	B1	36.0	34.6	1.4	212	213.4	-1.4	367.0	371.2	-4.2	-1.40
	B2	36.0	36.0	0.0	212	210.6	1.4	371.0	366.8	4.2	1.87
	B3	81.0	78.2	2.8	211.8	216.4	-4.6	402.8	401.2	1.6	-0.07
	B4	36.0	36.8	-0.8	212	209.6	2.4	367.0	364.2	2.8	1.47
	B5	81.0	78.8	2.2	212	209.4	2.6	388.6	379.6	9.0	4.60
	B6	36.0	37.2	-1.2	212	211.4	0.6	367.0	369.6	-2.6	-1.07
	B7	37.0	37.6	-0.6	211.6	208.4	3.2	389.6	396.0	-6.4	-1.27
	B8	38.0	34.6	3.4	212	214.6	-2.6	366.8	375.4	-8.6	-2.60
	B9	36.0	35.0	1.0	212	212.8	-0.8	370.0	369.6	0.4	0.20
	B10	38.0	40.2	-2.2	212	209.6	2.4	369.4	370.8	-1.4	-0.40
	B11	38.0	39.8	-1.8	212	208.6	3.4	369.4	362.2	7.2	2.93
	B12	40.8	41.0	-0.2	212	213.2	-1.2	369.0	370.2	-1.2	-0.87
	B13	37.0	33.6	3.4	212	212.6	-0.6	371.4	374.2	-2.8	-0.00
	B14	36.0	36.4	-0.4	212	212.8	-0.8	371.4	371.6	-0.2	-0.47
	B15	38.0	37.0	1.0	212	212.6	-0.6	371.4	370.6	0.8	0.40
AVERAGE		40.7	40.8	-0.1	211.3	211.7	-0.4	347.7	346.8	0.9	0.2
				-0.02%			-0.05%			0.11%	
Hivol Dial Gauges											
9169		62.2	67	-4.8			0.0			0.0	-4.80
9142		62.4	64	-1.6	212.2	211	1.2			0.0	-0.20
D-5		61.6	60	1.6			0.0			0.0	1.60
D-2		61.6	60	1.6	211.6	210	1.6	365.8	360.0	5.8	3.00
D-7		61.4	58	3.4			0.0			0.0	3.40
D-9		61.6	60	1.6	211.6	210	1.6	365.0	362.0	3.0	2.07
D-12		64.4	70	-5.6	212.4	200	12.4			0.0	3.40
D-13		64.6	70	-5.4	212.8	212	0.8			0.0	-2.30
D-14		61.4	58	3.4			0.0			0.0	3.40

Standard Used Fluke 5895570

DRIFT CORRECTION DOCUMENTATION

EPA Drift Equations:

Method 3a : Oxygen and Carbon Dioxide

$$Cgas = \frac{(Cma - Coa)*(C - Cm)}{(Cm - Co)} + Cma \qquad \text{(Eq. 3a-1)}$$

Method 6c : Sulfur Dioxide

$$Cgas = \frac{Cma * (C - Co)}{(Cm - Co)} \qquad \text{(Eq. 6c-1)}$$

; Coa = 0

Method 7e : Nitrogen Oxides

Section 8, Method 7e; " Follow Section 8 of Method 6C (Eq. 6c-1)."

Method 10 : Carbon Monoxide

The EPA does not currently address Gas Filter Correlation Instruments therefore there are no current standards.

Method 25a : Total Gaseous Organic Concentration (TGOC)

This method does not mention correcting for drift although there are established limits.

Horizon Engineering Drift Correction Equations:

$$Cgas = \frac{(Cid - Zx) * (Cma - Coa)}{(Sx - Zx)} \qquad Sx = \frac{(Cmf - Cmi) * (Tx - Tci)}{(Tcf - Tci)} + Cmi$$

$$Zx = \frac{(Cof - Coi) * (Tx - Tci)}{(Tcf - Tci)} + Coi \qquad Tx = \frac{(Tte - Tts)}{2} + Tts$$

EPA	Definition	Horizon Engineering
Cgas	Effluent gas concentration, dry basis	**Cgas**
Cma	Actual upscale calibration gas concentration	**Cma**
Coa	Actual zero/low calibration gas concentration	**Coa**
Cm	Average of initial and final system upscale calibration bias responses	
	Initial system upscale calibration bias response	**Cmi**
	Final system upscale calibration bias response	**Cmf**
Co	Average of initial and final system zero/low calibration bias responses	
	Initial system zero/low calibration bias response	**Coi**
	Final system zero/low calibration bias response	**Cof**
C	Average gas concentration indicated by gas analyzer, dry basis	**Cid**
	Starting test time	**Tts**
	Ending test time	**Tte**
	Initial system bias calibration response time	**Tci**
	Final system bias calibration response time	**Tcf**
	Mid-point of test time or gas sampling interval to be analyzed	**Tx**
	Approximate upscale response at mid-point test time	**Sx**
	Approximate zero/low response at mid-point test time	**Zx**

Notes of Exception:

1] TGOC is first recorded on a wet basis then corrected to a dry basis.

2] The TGOC instruments used have some historic data on instrument response to different hydrocarbons. For Propane the response is 1 to 1 molecule while Methane is 1.037 to 1 molecule. We correct for the instruments "over response" to the methane.

Test Method for Determination of Dry Kiln VOC Emissions

April 5, 1996

Prepared by:

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1.0 INTRODUCTION

Lumber dry kilns have been identified by the EPA and other environmental agencies as a source of Volatile Organic Compounds (VOCs). The green lumber contains VOCs, which are emitted during the drying process. In order to measure the emissions from dry kilns, it is recommended to apply a test method incorporating EPA Method 25A. However, it is not practical to use the standard EPA Method 25A for dry kilns, because of the following conditions:

a.) Lumber drying can take over 100 hours to process one load.

b.) Most dry kilns have multiple vents and often have significant leakage around the loading doors.

c.) The venting process is periodic. The vents open to release moisture and VOCs in an irregular pattern.

The multiple vent configuration of most dry kilns and the periodic venting makes it difficult to measure the exhaust flow rate. The leakage from doors and other gaps is not measurable and therefore will produce inaccurate results. In addition, tests would need to be repeated for every species of wood the plant dries.

This method applies EPA Method 25A in a controlled environment, where a sample of the lumber is dried in a laboratory dryer and the VOC emissions are measured. The measured quantity of emissions can then be applied to determine accurate emission factors for the actual process by mathematical methods.

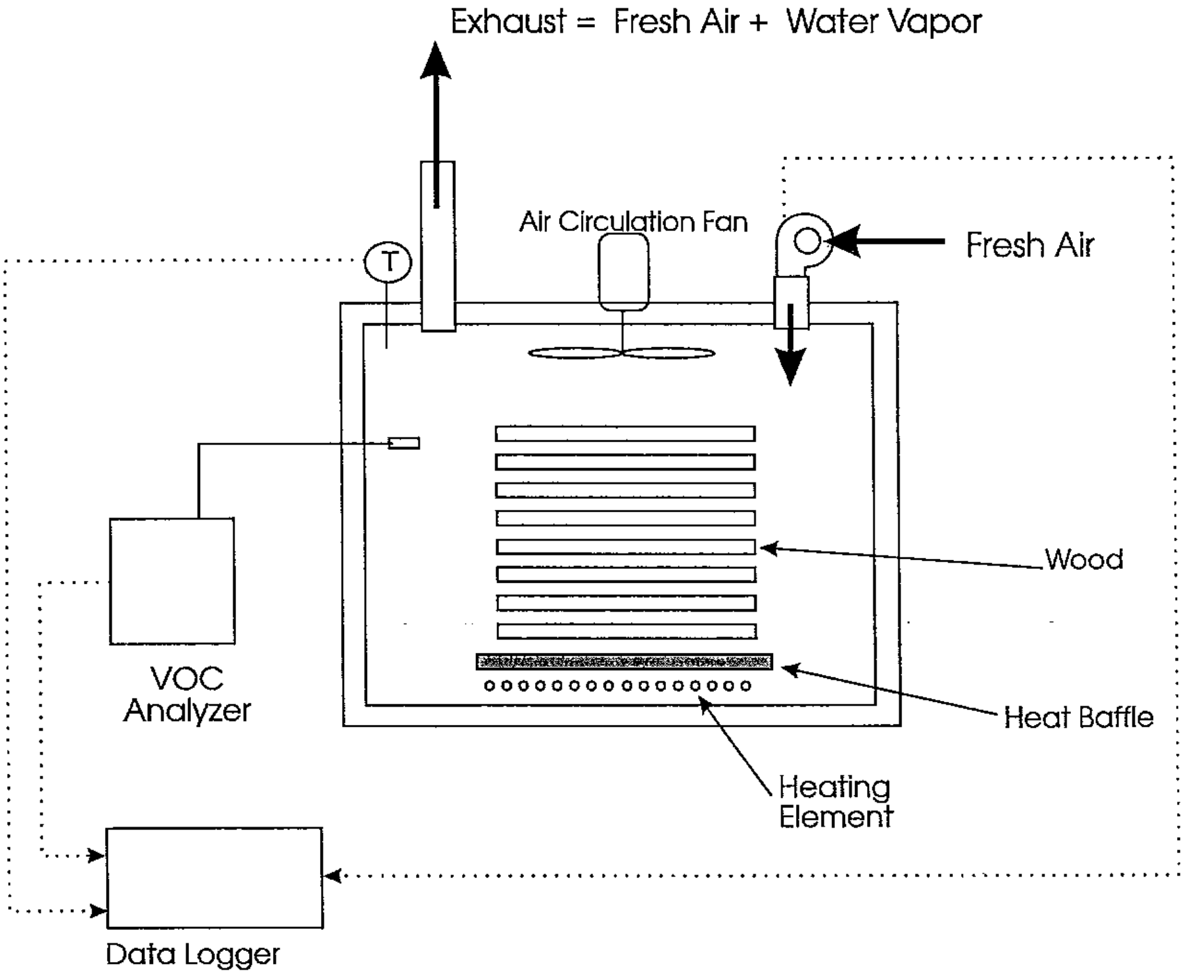
1.1 PRINCIPAL

The method for VOC measurements is based on simulated drying conditions in a laboratory size lumber dry kiln that operates in a controlled environment and can dry approximately 10 to 15 board foot of lumber.

The method is considered to be a worst case analysis, where the highest temperature for a typical drying cycle is applied to the sample at all times. The humidity is not controlled. The maximum temperature is to be that used at the actual kiln site. This is normally about 200°F. This method allows any sample drying time, but normal times of approximately 36 to 48 hours will result in a stable (dry) test load weight. Testing times can be extended if the test load weight is not stable. VOC concentrations from the test kiln are not expected to reach zero near the end of the drying cycle.

The VOC analyzer indicates concentration on a wet basis. To correct the concentration to a dry basis it is not necessary to continuously measure the moisture content of the sample stream even though the moisture varies over the drying cycle. An average moisture content for VOC analyzer correction is calculated at any time based on the dry air volume delivered to the kiln and the amount of moisture evaporated from the sample load. As long as the air flow rate to the kiln is greater than that extracted by the analyzer, moisture and air escaping from the oven through cracks are not a problem.

1.2 SYSTEM SCHEMATIC



Sample Dry Kiln

1.3 APPLICABILITY AND SENSITIVITY OF RESULTS

From the laboratory test results emission factors can be calculated for a typical drying schedule. Separate emission factors can be calculated for each wood species to any percentage dryness.

1.4 TEST KILN APPARATUS

Test Kiln: Industrial drying oven, convection type, with sealed doors and openings, of a size sufficient to hold the test load with adequate air circulation space around the test load. The kiln shall be equipped with the following instrumentation:

Load Cell and Platform: The entire test load shall be sensed by the load cell on a continuous basis. The load cell suspension system shall be designed to minimize binding. The platform should allow the use of non-organic sticker boards to separate the test load boards in a manner similar to actual drying conditions.

Temperature Sensor: A continuous record of the kiln temperature shall be maintained.

VOC Sample Probe: A stainless steel or glass probe to gather sample for the analyzer. The probe outlet should be kept to a minimum length and insulated to prevent condensation before the heated sample line connection.

Air Inlet: To be placed in a location where the air becomes mixed quickly with oven internal air.

Air Outlet: A pressure relief line to allow excess exhaust air to vent. This line should be heated or kept sloped down to prevent accumulation of condensed water vapor that could block the exhaust stream.

Other Test System Equipment Necessary:

Total Hydrocarbon Analyzer System: Heated total hydrocarbon analyzer and sample line, constructed, operated, and calibrated according to EPA Method 25A.

Inlet Air System: A system of providing a constant, measured, hydrocarbon free air to the system. The air should either be dried or have its temperature and humidity measure so that moisture in the stream can be quantified.

Data Logging System: A system to provide a continuous record of the recorded parameters throughout the testing period. Data is to be recorded at intervals no longer than two minutes apart.

2.0 SAMPLE COLLECTION PROCEDURE

Depending on the species and on the location of the board within the log, the VOC content will vary. It is recommended that the collected samples represent a cross section of the log from which the board were cut.

Resin rich soft woods often have localized pitch concentration. These so-called pitch pockets can release significantly more VOC than the average board. Sample boards with pitch pockets should not be selected for the test batch of lumber.

Each species of lumber must be tested separately in order to determine species specific VOC release. Therefore all sample boards for a specific test must be of the same species.

The selected boards must be cut into sample boards between 18" and 24" long (all samples boards should be of approximately the same length).

The board thickness and the width of the boards must represent the average dry kiln load.

The samples must be collected immediately after the log is sawed into boards (within 8 hours).

At least 6 separate boards must be used to compile the sample load.

The composite sample load must be at least 10 board foot based on U.S. Lumber Scale.

Each board must be marked with the date of collection, a batch number and a board number (example - Mar 20/96 - 1/3). This means that the piece came from the first of the six selected boards and is the third piece of the same board. It is best to use pencil for marking. Marking pens may add VOCs to the board.

After the sample board are collected, prepare a data sheet with the following information:

a.) Company Name
Address
Telephone Number