Date Printed: 08/16/2015 01:20

OAK RIDGE NATIONAL LABORATORY
Managed by UT-Battelle for the Department of Energy

Daily Summary Report

Site: Tower "D" (1000 Area)

8/15/2015

Interval: 001h

	01_TempC_002m	02_TempC_015m	03_TempC_035m	04_TempC_060m	09_VTGrad_0215m	10_VTGrad_0235m	11_VTGrad_0260m	12_VTGrad_1535m	13_VTGrad_1560m
Hour	DEGC	DEGC	DEGC	DEGC	DEGC	DEGC	DEGC	DEGC	DEGC
00:00	19.9	20.5	20.8	21.2	.67	.90	1.33	.23	.65
01:00	19.6	20.4	20.5	20.8	.79	.92	1.23	.13	.44
02:00	19.2	20.1	20.2	20.3	.87	.93	1.09	.06	.22
03:00	18.7	19.6	19.8	20.0	.87	1.04	1.28	.16	.40
04:00	18.7	19.4	19.6	19.8	.66	.90	1.09	.24	.43
05:00	19.1	19.6	19.7	19.9	.58	.65	.81	.07	.23
06:00	19.4	19.8	19.8	20.0	.46	.45	.63	-.01	.17
07:00	19.4	19.6	19.8	19.9	.21	.33	.48	.12	.26
08:00	20.3	20.3	20.2	20.3	-.03	-.09	-.02	-.06	.01
09:00	20.7	20.5	20.4	20.4	-.18	-.34	-.37	-.17	-.19
10:00	22.1	21.9	21.7	21.6	-.23	-.46	-.55	-.23	-.32
11:00	22.8	22.6	22.3	22.2	-.28	-.52	-.62	-.24	-.34
12:00	24.1	23.5	23.2	23.1	-.62	-.90	-1.01	-.28	-.38
13:00	24.9	24.3	23.9	23.8	-.66	-.99	-1.16	-.33	-.50
14:00	26.1	25.2	24.9	24.7	-.90	-1.19	-1.39	-.29	-.49
15:00	27.9	26.7	26.5	26.3	-1.14	-1.43	-1.54	-.28	-.39
16:00	27.4	26.7	26.5	26.4	-.77	-.97	-1.06	-.20	-.29
17:00	27.5	26.7	26.5	26.3	-.74	-1.02	-1.13	-.28	-.40
18:00	27.1	26.5	26.3	26.3	-.55	-.78	-.85	-.23	-.30
19:00	25.5	25.4	25.5	25.6	-.13	.00	.11	.12	.24
20:00	23.8	24.2	24.7	25.1	.38	.89	1.27	.51	.88
21:00	22.4	23.3	23.7	24.2	.85	1.33	1.76	.48	.92
22:00	22.2	23.0	23.3	23.6	.81	1.14	1.46	.33	.65
23:00	22.0	22.6	22.9	23.1	.55	.88	1.05	.34	.50
Avg	22.5	22.6	22.6	22.7	.06	.07	.16	.01	.10
Max	27.9	26.7	26.5	26.4	.87	1.33	1.76	.51	.92
Hr. of Max	15	17	17	16	03	21	21	20	21
Min	18.7	19.4	19.6	19.8	-1.14	-1.43	-1.54	-.33	-.50
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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8/15/2015

Interval: 001h

	14_DewPtC_002m	15_DewPtC_015m	17a_WBulbC	18_SoilTempC	19_RH_002m	20_RH_015m	21_AbsHum_002m	22_AbsHum_015m	23_Mix Ratio_002m
Hour	DEGC	DEGC	DEGC	DEGC	PERCENT	PERCENT	G/M3	G/M3	COUNT
00:00	18.7	19.4	19.1	25.1	95.3	95.1	16.0	16.6	0.013929
01:00	18.5	19.2	18.9	25.0	95.7	95.3	15.8	16.5	0.013724
02:00	18.2	19.0	18.5	24.9	95.6	95.4	15.5	16.3	0.013422
03:00	17.7	18.7	18.0	24.8	95.5	96.4	15.1	16.0	0.01302
04:00	17.6	18.5	17.9	24.7	95.2	96.7	15.0	15.8	0.012919
05:00	18.0	18.7	18.4	24.6	95.7	96.4	15.4	16.0	0.013291
06:00	18.4	18.7	18.7	24.5	95.9	95.1	15.7	16.0	0.013585
07:00	18.4	18.6	18.8	24.4	96.1	96.1	15.7	15.9	0.013642
08:00	19.2	19.1	19.5	24.4	95.4	95.4	16.4	16.4	0.014291
09:00	19.1	19.0	19.6	24.3	92.3	93.0	16.3	16.3	0.014184
10:00	19.7	19.6	20.5	24.3	88.6	88.9	16.9	16.8	0.014822
11:00	19.4	19.2	20.6	24.3	83.2	83.2	16.6	16.3	0.014541
12:00	19.0	18.5	20.7	24.3	74.9	75.3	16.1	15.6	0.014142
13:00	19.1	18.9	21.1	24.4	72.1	73.7	16.2	16.0	0.014295
14:00	19.2	18.9	21.5	24.5	67.7	69.7	16.2	15.9	0.014399
15:00	18.5	18.1	21.6	24.7	58.2	60.9	15.4	15.2	0.013753
16:00	19.2	18.9	21.9	24.9	62.5	64.3	16.2	15.9	0.014408
17:00	19.9	19.7	22.4	25.1	65.3	67.2	16.9	16.7	0.015088
18:00	19.6	19.4	22.1	25.2	65.4	66.8	16.6	16.4	0.014789
19:00	20.9	20.7	22.5	25.4	78.1	77.5	18.1	17.8	0.016048
20:00	20.7	20.5	21.8	25.5	85.0	81.8	17.9	17.6	0.015843
21:00	20.0	20.1	20.8	25.5	88.4	84.7	17.2	17.3	0.015113
22:00	20.0	20.3	20.7	25.5	89.8	87.4	17.2	17.5	0.015102
23:00	20.1	20.4	20.7	25.5	90.9	89.8	17.3	17.6	0.015146
Avg	19.1	19.3	20.3	24.8	84.3	84.4	16.3	16.4	0.014312
Max	20.9	20.7	22.5	25.5	96.1	96.7	18.1	17.8	0.016048
Hr. of Max	19	19	19	23	07	04	19	19	19
Min	17.6	18.1	17.9	24.3	58.2	60.9	15.0	15.2	0.012919
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/15/2015

Interval: 001h

	24_Mix Ratio_015m	27_VaporPr_002m	28_VaporPr_015m	34_Precip_In	36_BarPres_In	37_BarPres_Mb	38_SolarRad_Wm2	39_SolarRad_Lang	40_WDir_015m
Hour	COUNT	KPa	KPa	INCHES	INHG	KPa	W/M2	Langleys	DEG
00:00	0.01448	21.7	22.5	.00	29.24	990.2	-3.2	.00	356.9
01:00	0.014356	21.4	22.3	.00	29.23	989.9	-1.7	.00	53.8
02:00	0.014147	20.9	22.0	.00	29.22	989.6	-1.3	.00	23.5
03:00	0.013866	20.3	21.6	.00	29.22	989.5	-2.6	.00	23.2
04:00	0.013686	20.1	21.3	.00	29.23	989.9	-3.1	.00	281.8
05:00	0.013876	20.7	21.6	.00	29.23	990.0	-3.3	.00	45.3
06:00	0.013867	21.2	21.6	.01	29.24	990.3	-2.6	.00	46.4
07:00	0.013829	21.3	21.5	.00	29.26	990.8	13.8	.02	278.0
08:00	0.014257	22.3	22.2	.00	29.27	991.3	42.0	.06	12.5
09:00	0.014135	22.1	22.0	.00	29.29	992.1	90.3	.13	343.6
10:00	0.014665	23.1	22.9	.00	29.30	992.3	174.4	.25	56.9
11:00	0.014295	22.7	22.3	.00	29.31	992.5	247.0	.35	77.2
12:00	0.013699	22.1	21.4	.00	29.30	992.2	488.1	.70	96.2
13:00	0.014047	22.3	21.9	.00	29.30	992.2	428.4	.61	62.1
14:00	0.014056	22.4	21.9	.00	29.27	991.3	738.0	1.06	38.0
15:00	0.013468	21.4	21.0	.00	29.25	990.5	742.7	1.06	254.5
16:00	0.014171	22.4	22.1	.00	29.23	990.0	351.9	.50	242.2
17:00	0.014861	23.4	23.1	.00	29.22	989.6	366.1	.52	245.5
18:00	0.014618	23.0	22.7	.00	29.21	989.3	248.6	.36	254.6
19:00	0.015824	24.9	24.5	.00	29.21	989.3	78.2	.11	269.5
20:00	0.015585	24.6	24.2	.00	29.22	989.5	6.4	.01	280.7
21:00	0.015232	23.5	23.7	.00	29.23	989.8	-2.5	.00	312.3
22:00	0.015428	23.5	24.0	.00	29.25	990.4	-2.2	.00	347.3
23:00	0.015481	23.5	24.1	.00	29.25	990.4	-3.0	.00	308.1
Avg	0.014414	22.3	22.4	.00	29.25	990.5	166.3	.24	347.0
Max	0.015824	24.9	24.5	.01	29.31	992.5	742.7	1.06	356.9
Hr. of Max	19	19	19	06	11	11	15	15	00
Min	0.013468	20.1	21.0	.00	29.21	989.3	-3.3	.00	12.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/15/2015

Interval: 001h

	41_WDir_035m	42_WDir_060m	46_SWDir_015m	47_SWDir_060m	50_Sigma_015m	51_Sigma_035m	52_Sigma_060m	55_RWSpd_015m	56_RWSpd_035m
Hour	DEG	DEG	DEG	DEG	DEG	DEG	DEG	MPH	MPH
00:00	74.2	52.6	356.4	53.8	37.1	23.5	9.5	.6	1.7
01:00	73.2	63.8	58.3	60.5	45.0	11.9	5.4	1.0	2.4
02:00	71.5	63.2	25.8	61.2	36.4	14.5	6.6	.8	1.5
03:00	78.6	67.9	20.6	64.1	35.6	29.8	16.9	.5	1.0
04:00	93.4	90.5	279.5	89.2	39.6	16.0	21.3	.7	.1
05:00	58.3	50.2	48.6	46.2	22.2	11.0	7.2	1.1	2.0
06:00	66.8	65.2	46.2	61.8	16.2	8.1	5.5	1.4	2.3
07:00	79.1	69.6	270.0	66.7	54.3	17.5	14.0	.1	1.1
08:00	34.3	36.5	13.7	31.4	41.2	38.1	22.7	.8	1.8
09:00	38.2	17.4	347.7	13.8	60.7	45.7	34.3	.3	.9
10:00	57.3	46.9	63.4 +	42.2	42.0	24.1	20.7	2.2	3.3
11:00	66.2	59.2	78.4	54.9	29.3	23.5	22.5	2.4	3.4
12:00	104.1	105.0	100.4	105.4	49.0	36.6	40.8	1.7	1.8
13:00	49.2	39.6	63.4	36.7	59.8	43.3	32.7	2.2	3.2
14:00	71.3	43.7	55.5	40.7	59.7	66.6	63.3	.6	.8
15:00	256.6	246.5	255.7	248.9	49.9	47.6	47.9	1.6	2.0
16:00	244.0	241.0	242.1	241.5	35.4	32.3	28.8	1.8	2.2
17:00	250.8	245.1	247.7	249.6	27.2	25.4	20.0	2.7	3.4
18:00	247.7	184.7	257.1	247.3	29.5	23.4	26.0	1.7	2.5
19:00	242.4	241.7	265.9	242.5	14.6	11.5	6.4	.9	2.4
20:00	240.9	241.1	282.4	241.8	17.1	25.0	12.5	1.0	2.0
21:00	127.1	257.2	313.4	253.2	45.1	44.8	22.0	.7	.2
22:00	59.9	64.5	354.9	72.5	26.0	24.0	39.4	.8	1.1
23:00	75.0	80.8	302.3	81.8	52.9	20.8	22.9	.4	.5
Avg	72.0	60.0	349.0	50.0	38.6	27.7	22.9	.0	.0
Max	256.6	257.2	356.4	253.2	60.7	66.6	63.3	2.7	3.4
Hr. of Max	15	21	00	21	09	14	14	17	17
Min	34.3	17.4	13.7	13.8	14.6	8.1	5.4	.1	.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/15/2015

Interval: 001h

	57_RWSpd_060m	58_WSpd_015m	59_WSpd_035m	60_WSpd_060m	66_HSSpd_015m	67_HSSpd_060m	70_WElev_015m	71_WElev_060m	72_VSSpd_015m
Hour	MPH	MPH	MPH	MPH	MPH	MPH	DEG	DEG	MPH
00:00	2.4	1.6	1.7	2.4	1.9	2.7	-2.2	.7	-.10
01:00	4.2	1.1	2.5	4.2	1.4	4.4	-1.6	-.6	-.07
02:00	2.3	1.2	1.6	2.3	1.4	2.6	.3	-1.0	.00
03:00	1.7	1.0	1.3	2.2	1.3	2.5	1.1	1.6	-.01
04:00	1.2	.8	.1	1.3	1.1	1.6	1.9	-.3	.04
05:00	2.9	1.1	2.1	2.9	1.4	3.1	-.5	.2	-.04
06:00	3.1	1.5	2.3	3.1	1.6	3.3	-3.5	-1.2	-.11
07:00	1.9	.2	1.1	2.0	.7	2.2	4.5	1.0	.07
08:00	2.4	1.3	2.2	2.8	1.6	3.0	-2.6	-1.1	-.12
09:00	1.7	1.1	1.5	2.5	1.5	2.8	-1.5	2.0	-.05
10:00	4.3	2.6	3.7	4.7	3.2	5.1	2.2	2.8	.01
11:00	4.0	2.8	3.8	4.5	3.1	4.8	.0	.8	-.02
12:00	1.9	2.2	2.2	2.2	2.8	2.8	-2.0	-2.0	-.05
13:00	3.7	2.9	3.6	3.9	3.3	4.5	4.8	9.6	.21
14:00	.8	2.0	1.9	1.8	2.6	2.4	3.8	6.0	.08
15:00	2.1	2.8	3.0	2.8	3.3	3.4	-1.4	1.2	-.10
16:00	2.6	2.7	3.0	3.2	3.0	3.6	-1.3	4.6	-.11
17:00	3.2	3.0	3.7	3.5	3.5	4.3	.9	4.2	-.11
18:00	1.2	2.1	2.8	1.3	2.5	3.4	-1.2	-6.7	-.14
19:00	3.2	.9	2.4	3.2	1.3	3.4	-.6	-1.0	-.04
20:00	3.1	1.1	2.1	3.2	1.3	3.4	-2.4	-.3	-.07
21:00	.6	1.0	.5	1.3	1.2	1.5	1.6	2.2	.02
22:00	.8	1.0	1.2	1.0	1.3	1.3	.6	1.7	.02
23:00	.9	.6	.5	.9	.9	1.2	1.8	.2	.02
Avg	.0	1.6	2.1	2.6	2.0	3.1	.1	1.0	-.03
Max	4.3	3.0	3.8	4.7	3.5	5.1	4.8	9.6	.21
Hr. of Max	10	17	11	10	17	10	13	13	13
Min	.6	.2	.1	.9	.7	1.2	-3.5	-6.7	-.14
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/15/2015

Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	82_SPkWsH_015m	83_SPkWsH_060m	84_SigPhi_015m	85_SigPhi_060m
Hour	MPH	MPH	MPH	MPH	MPH	MPH	DEG	DEG
00:00	-.02	3.7	4.4	6.0	3.8	6.4	8.6	6.3
01:00	-.05	2.7	5.7	10.3	2.9	6.8	11.6	2.9
02:00	-.04	2.3	3.7	5.7	2.7	5.4	7.6	7.0
03:00	.06	3.0	3.0	4.6	3.3	4.7	9.6	6.5
04:00	.00	3.7	1.6	7.6	2.7	4.1	8.4	10.1
05:00	.01	2.7	3.2	4.4	2.7	4.5	9.1	3.4
06:00	-.07	2.7	3.4	5.7	3.1	4.7	7.4	2.8
07:00	.03	2.1	2.7	3.9	2.1	4.3	10.7	5.0
08:00	-.07	3.9	6.0	6.6	4.3	6.9	17.5	9.0
09:00	.08	5.0	6.6	8.5	5.3	9.4	25.6	15.7
10:00	.10	8.5	11.9	11.0	12.2	11.7	22.8	13.8
11:00	-.05	7.6	12.6	14.2	11.5	10.7	21.1	18.0
12:00	-.05	6.0	5.7	6.2	7.2	6.8	27.0	28.3
13:00	.51	8.2	10.8	9.8	9.9	9.7	26.7	24.0
14:00	.26	7.6	6.4	8.0	7.8	6.4	30.6	34.5
15:00	-.05	7.1	8.0	8.5	7.4	9.3	23.6	28.2
16:00	.21	7.1	9.4	8.9	6.4	7.8	18.6	19.5
17:00	.21	7.1	8.2	8.2	8.5	8.8	19.5	18.3
18:00	-.39	10.8	9.2	8.0	7.9	8.4	22.7	17.6
19:00	-.05	3.9	6.4	5.7	3.5	5.6	10.0	3.5
20:00	-.02	2.3	4.8	7.1	2.7	4.7	7.5	3.2
21:00	.05	2.1	2.5	2.7	2.2	2.9	7.6	8.4
22:00	.05	3.4	2.7	3.0	3.0	3.2	6.9	11.9
23:00	.00	2.1	2.1	2.7	2.2	2.7	8.0	5.4
Avg	.03	4.8	5.9	7.0	5.2	6.5	15.4	12.6
Max	.51	10.8	12.6	14.2	12.2	11.7	30.6	34.5
Hr. of Max	13	18	11	11	10	10	14	14
Min	-.39	2.1	1.6	2.7	2.1	2.7	6.9	2.8
Count	24	24	24	24	24	24	24	24
Total								