Date Printed: 04/06/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/5/2015

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	3.0	5.8	7.0	8.8	2.73	3.97	5.77	1.24	3.04
01:00	2.4	4.7	5.5	7.1	2.31	3.08	4.71	.77	2.39
02:00	1.3	3.7	4.7	6.1	2.37	3.40	4.84	1.03	2.47
03:00	.3	2.4	3.7	5.5	2.18	3.44	5.20	1.26	3.02
04:00	-.2	2.3	3.6	5.8	2.49	3.84	6.03	1.35	3.54
05:00	-.5	1.5	2.7	4.2	2.00	3.21	4.74	1.21	2.74
06:00	-.1	1.7	2.5	3.2	1.73	2.53	3.29	.80	1.56
07:00	-.1	1.4	2.1	3.0	1.45	2.15	3.11	.69	1.66
08:00	2.9	2.9	3.1	3.3	-.01	.24	.46	.25	.48
09:00	7.1	6.8	6.5	6.4	-.36	-.62	-.78	-.27	-.43
10:00	10.4	9.9	9.5	9.3	-.49	-.81	-1.06	-.33	-.58
11:00	12.7	12.2	11.9	11.7	-.48	-.80	-.99	-.32	-.51
12:00	15.3	14.6	14.3	14.1	-.73	-1.08	-1.26	-.35	-.53
13:00	16.9	16.1	15.7	15.6	-.81	-1.19	-1.28	-.37	-.47
14:00	17.9	17.1	16.8	16.7	-.81	-1.10	-1.20	-.29	-.39
15:00	18.9	18.2	17.9	17.7	-.70	-1.03	-1.15	-.34	-.45
16:00	19.7	19.0	18.7	18.6	-.70	-.99	-1.10	-.29	-.40
17:00	19.4	19.2	18.9	18.8	-.25	-.52	-.63	-.28	-.38
18:00	18.9	18.8	18.6	18.6	-.04	-.23	-.27	-.19	-.23
19:00	17.8	18.0	17.9	17.9	.25	.15	.16	-.09	-.09
20:00	16.0	16.9	17.0	17.1	.96	1.02	1.12	.06	.16
21:00	13.8	16.0	16.2	16.5	2.18	2.43	2.76	.25	.58
22:00	13.1	14.9	15.3	16.0	1.86	2.23	2.90	.37	1.04
23:00	12.4	14.2	15.0	15.8	1.77	2.58	3.39	.81	1.62
Avg	10.0	10.8	11.0	11.6	.79	1.08	1.62	.29	.83
Max	19.7	19.2	18.9	18.8	2.73	3.97	6.03	1.35	3.54
Hr. of Max	16	17	17	17	00	00	04	04	04
Min	-.5	1.4	2.1	3.0	-.81	-1.19	-1.28	-.37	-.58
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/5/2015

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	-1.5	-2.0	.0	14.3	72.8	58.2	4.3	4.1	0.003453
01:00	-1.4	-1.9	-.2	13.9	76.4	63.1	4.3	4.2	0.003462
02:00	-1.9	-2.1	-.9	13.5	79.5	66.6	4.2	4.1	0.003336
03:00	-2.3	-2.4	-1.5	13.1	83.2	70.9	4.1	4.0	0.003239
04:00	-2.4	-2.0	-1.7	12.7	85.7	74.2	4.1	4.2	0.003218
05:00	-2.3	-1.9	-1.7	12.4	87.9	78.8	4.1	4.2	0.00324
06:00	-2.6	-2.6	-1.7	12.0	83.7	73.7	4.0	4.0	0.003182
07:00	-2.4	-2.2	-1.7	11.7	84.5	77.4	4.1	4.1	0.00321
08:00	-.9	-1.9	.4	11.3	77.1	71.6	4.5	4.2	0.003614
09:00	-1.3	-2.8	1.5	11.1	55.9	51.4	4.3	3.9	0.003513
10:00	-3.3	-4.8	1.2	11.0	38.8	35.9	3.7	3.3	0.003043
11:00	-3.7	-4.9	1.8	11.3	32.4	30.6	3.6	3.3	0.002978
12:00	-4.8	-6.6	1.9	11.8	25.2	23.0	3.3	2.9	0.002756
13:00	-4.2	-5.9	2.8	12.6	23.8	22.1	3.4	3.0	0.002885
14:00	-3.0	-4.4	4.0	13.3	24.6	23.3	3.7	3.4	0.003169
15:00	-2.8	-4.1	4.4	14.0	23.4	22.2	3.8	3.4	0.003214
16:00	-3.0	-4.4	4.5	14.4	21.9	20.7	3.7	3.4	0.003164
17:00	-3.0	-4.2	4.5	14.6	22.3	20.7	3.7	3.4	0.003171
18:00	-2.5	-3.5	4.6	14.8	23.9	22.3	3.9	3.6	0.003275
19:00	-1.8	-2.7	4.7	14.8	26.9	24.9	4.1	3.8	0.003436
20:00	-.6	-2.4	4.9	14.8	33.3	27.1	4.5	3.9	0.003761
21:00	1.6	-2.2	5.7	14.6	44.4	29.3	5.2	4.0	0.004388
22:00	2.4	-.4	5.9	14.5	49.1	35.7	5.5	4.5	0.00463
23:00	2.9	.5	6.1	14.3	53.1	40.0	5.8	4.8	0.004797
Avg	-1.9	-3.0	2.1	13.2	51.2	44.3	4.2	3.8	0.003422
Max	2.9	.5	6.1	14.8	87.9	78.8	5.8	4.8	0.004797
Hr. of Max	23	23	23	20	05	05	23	23	23
Min	-4.8	-6.6	-1.7	11.0	21.9	20.7	3.3	2.9	0.002756
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/5/2015

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	0.003342	5.5	5.3	.00	29.39	995.4	-2.3	.00	62.1
01:00	0.003364	5.5	5.4	.00	29.39	995.3	-2.4	.00	51.1
02:00	0.003305	5.3	5.3	.00	29.38	995.1	-2.5	.00	61.3
03:00	0.003228	5.2	5.1	.00	29.37	994.7	-2.2	.00	54.2
04:00	0.003334	5.1	5.3	.00	29.36	994.4	-2.3	.00	37.6
05:00	0.003356	5.2	5.3	.00	29.36	994.3	-2.3	.00	70.0
06:00	0.003172	5.1	5.0	.00	29.36	994.4	-2.4	.00	53.0
07:00	0.003266	5.1	5.2	.00	29.38	994.8	30.6	.04	66.1
08:00	0.003352	5.7	5.3	.00	29.38	995.1	211.5	.30	89.9
09:00	0.003152	5.6	5.0	.00	29.40	995.5	434.8	.62	77.4
10:00	0.002728	4.8	4.3	.00	29.40	995.6	617.4	.89	68.2
11:00	0.002723	4.7	4.3	.00	29.39	995.2	731.5	1.05	16.7
12:00	0.002401	4.4	3.8	.00	29.36	994.4	831.9	1.19	212.2
13:00	0.002541	4.6	4.0	.00	29.34	993.5	925.5	1.33	162.9
14:00	0.002842	5.0	4.5	.00	29.31	992.7	767.1	1.10	186.3
15:00	0.002915	5.1	4.6	.00	29.28	991.7	775.2	1.11	199.3
16:00	0.00286	5.0	4.5	.00	29.26	990.8	555.9	.80	233.4
17:00	0.002903	5.0	4.6	.00	29.25	990.6	273.9	.39	221.8
18:00	0.003044	5.2	4.8	.00	29.26	990.8	124.8	.18	236.3
19:00	0.003232	5.4	5.1	.00	29.27	991.2	21.0	.03	245.4
20:00	0.003289	6.0	5.2	.00	29.27	991.4	-2.8	.00	238.4
21:00	0.003338	6.9	5.3	.00	29.29	991.8	-1.7	.00	242.3
22:00	0.0038	7.3	6.0	.00	29.28	991.6	-1.5	.00	34.4
23:00	0.00406	7.6	6.4	.00	29.27	991.3	-1.8	.00	73.3
Avg	0.003148	5.4	5.0	.00	29.33	993.4	261.5	.38	91.0
Max	0.00406	7.6	6.4	.00	29.40	995.6	925.5	1.33	245.4
Hr. of Max	23	23	23	23	10	10	13	13	19
Min	0.002401	4.4	3.8	.00	29.25	990.6	-2.8	.00	16.7
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/5/2015

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	51.2	57.0	66.5	53.3	47.8	35.1	11.2	.6	1.2
01:00	57.6	57.4	54.2	53.7	26.5	8.7	5.5	.8	2.2
02:00	54.5	56.0	62.8	52.0	25.5	8.5	4.9	.2	1.7
03:00	51.6	50.9	61.8	46.5	52.9	13.4	4.5	.4	2.0
04:00	62.1	60.1	47.0	56.0	51.8	13.0	11.6	.4	2.0
05:00	54.8	57.4	73.3	53.8	43.5	11.1	6.9	.7	2.2
06:00	52.3	65.8	55.9	61.8	14.4	5.4	8.3	1.8	3.8
07:00	54.6	57.9	69.9	53.7	17.1	8.7	3.2	1.8	4.0
08:00	53.5	54.3	95.3	50.4	23.6	16.3	9.3	1.1	2.8
09:00	65.3	59.4	78.9	55.6	25.8	23.5	18.3	2.9	3.2
10:00	57.7	56.9	71.9	53.9	38.0	29.0	24.0	2.9	3.5
11:00	11.1	16.9	11.5	12.3	68.4	55.9	43.0	.7	1.2
12:00	209.9	204.5	217.1	206.5	47.8	45.7	44.5	2.7	3.2
13:00	174.3	179.6	167.6	180.0	40.5	34.3	30.7	4.9	6.0
14:00	194.1	194.9	192.5	196.2	33.7	27.5	23.4	5.2	6.7
15:00	207.0	207.2	207.1	210.1	51.0	44.3	33.1	3.9	5.2
16:00	239.0	235.7	239.3	238.0	27.8	20.4	18.2	6.1	7.7
17:00	225.2	223.3	227.9	225.7	22.9	18.0	14.2	6.3	8.3
18:00	236.6	234.1	240.4	236.1	19.2	14.8	11.9	4.6	6.8
19:00	248.8	247.4	249.7	249.0	19.4	14.9	12.7	3.8	5.8
20:00	244.4	247.8	238.6	249.0	30.1	13.8	9.8	2.3	4.0
21:00	221.5	258.0	239.7	259.2	41.2	13.2	9.1	.4	1.9
22:00	68.2	125.5	41.2	121.5	49.3	27.5	21.8	.7	1.2
23:00	44.9	148.5	92.3 +	147.3	62.6	32.6	58.0	.3	.8
Avg	76.0	104.0	98.0	93.0	36.7	22.3	18.3	.0	.0
Max	248.8	258.0	249.7	259.2	68.4	55.9	58.0	6.3	8.3
Hr. of Max	19	21	19	21	11	11	23	17	17
Min	11.1	16.9	11.5	12.3	14.4	5.4	3.2	.2	.8
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/5/2015

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	2.0	.8	1.3	2.0	1.1	2.3	2.2	.5	.04
01:00	3.9	.9	2.3	4.0	1.3	4.3	1.4	2.5	.03
02:00	3.5	.2	1.7	3.6	.6	3.9	.9	.6	.01
03:00	4.5	.5	2.0	4.5	.9	4.9	2.7	.9	.05
04:00	3.6	.5	2.1	3.7	.9	4.0	1.6	.7	.03
05:00	3.7	.8	2.3	3.7	1.2	4.1	.3	1.6	.01
06:00	4.0	1.8	3.8	4.1	2.1	4.4	.8	-.4	.01
07:00	5.9	1.9	4.0	5.9	2.2	6.3	.0	-1.1	-.04
08:00	4.6	1.2	2.9	4.6	1.7	5.0	4.5	2.0	.14
09:00	4.2	3.2	3.4	4.4	3.9	4.8	.9	5.0	.08
10:00	4.2	3.5	3.9	4.5	4.2	5.1	.0	8.7	-.07
11:00	1.6	1.7	2.0	2.3	2.4	3.1	-.1	1.6	-.15
12:00	3.8	3.7	4.1	4.5	4.3	5.3	3.6	2.9	.23
13:00	6.6	5.7	6.7	7.2	6.6	7.8	1.9	1.3	.10
14:00	7.5	6.3	7.6	8.3	7.0	9.0	.7	.7	-.01
15:00	5.9	5.1	6.3	6.9	6.0	7.6	.1	-2.6	-.24
16:00	8.8	6.8	8.2	9.2	7.5	10.0	-2.7	-3.7	-.50
17:00	9.7	6.8	8.7	10.0	7.3	10.7	.7	-1.1	-.17
18:00	8.1	4.9	7.1	8.3	5.6	8.9	.5	2.5	-.11
19:00	7.4	4.0	6.0	7.6	4.6	8.2	.3	1.1	-.07
20:00	5.5	2.4	4.1	5.6	2.8	6.1	1.1	1.7	-.02
21:00	3.2	.5	2.0	3.3	.9	3.6	.2	2.7	-.01
22:00	1.2	.8	1.5	1.8	1.1	2.1	1.8	1.4	.04
23:00	1.3	.6	1.0	1.5	1.0	1.9	3.0	-.7	.07
Avg	.0	2.7	4.0	5.1	3.2	5.6	1.1	1.2	-.02
Max	9.7	6.8	8.7	10.0	7.5	10.7	4.5	8.7	.23
Hr. of Max	17	17	17	17	16	17	08	10	12
Min	1.2	.2	1.0	1.5	.6	1.9	-2.7	-3.7	-.50
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/5/2015

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	.04	1.8	3.4	3.7	2.2	4.1	9.2	5.3
01:00	.18	2.1	5.0	6.2	2.5	5.7	6.4	2.2
02:00	.04	1.4	4.8	8.5	1.9	5.1	8.1	2.6
03:00	.08	2.7	3.9	9.2	2.9	6.8	7.4	2.0
04:00	.05	3.2	7.1	11.0	2.5	6.8	8.9	3.0
05:00	.12	2.3	4.1	6.2	2.6	6.5	9.3	3.2
06:00	-.04	3.2	8.0	8.5	3.5	6.4	6.2	2.3
07:00	-.12	4.1	6.9	11.0	4.4	9.3	9.9	1.8
08:00	.02	3.9	7.8	11.7	4.4	8.2	18.7	11.4
09:00	.20	8.5	8.2	8.5	9.1	9.2	18.2	18.8
10:00	.68	9.4	9.2	10.8	10.4	11.1	21.9	19.5
11:00	.03	7.3	9.2	8.9	6.2	7.6	32.1	35.5
12:00	.17	11.7	11.2	12.6	12.4	13.4	25.2	26.2
13:00	-.08	14.9	17.6	20.6	15.5	20.7	19.9	20.6
14:00	-.05	15.1	19.5	20.4	17.0	21.8	17.7	18.8
15:00	-.51	16.9	15.3	14.7	17.0	17.0	22.7	21.9
16:00	-.72	16.7	17.9	18.8	18.8	20.9	14.6	12.9
17:00	-.32	18.8	22.7	20.2	17.9	19.9	16.0	9.6
18:00	.27	11.9	14.7	15.1	14.7	15.4	14.1	9.2
19:00	.10	11.4	12.4	14.0	11.0	14.1	13.0	8.2
20:00	.12	8.7	15.3	19.9	8.5	14.2	13.0	7.1
21:00	.15	3.9	6.9	9.8	2.9	5.7	8.2	5.5
22:00	.05	2.7	4.1	4.8	3.1	4.4	10.8	6.9
23:00	-.04	2.5	4.4	5.3	2.6	6.6	10.0	17.1
Avg	.02	7.7	10.0	11.7	8.1	10.9	14.2	11.3
Max	.68	18.8	22.7	20.6	18.8	21.8	32.1	35.5
Hr. of Max	10	17	17	13	16	14	11	11
Min	-.72	1.4	3.4	3.7	1.9	4.1	6.2	1.8
Count	24	24	24	24	24	24	24	24
Total								