Date Printed: 06/18/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/17/2015

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	21.8	22.6	23.2	23.6	.82	1.39	1.83	.57	1.02
01:00	21.3	22.0	22.6	23.1	.72	1.34	1.78	.61	1.05
02:00	20.8	21.7	22.1	22.5	.85	1.24	1.68	.39	.83
03:00	20.6	21.3	21.6	22.1	.65	1.01	1.45	.36	.80
04:00	20.2	20.9	21.4	22.0	.69	1.12	1.76	.42	1.07
05:00	20.1	20.6	20.9	21.4	.49	.86	1.31	.37	.82
06:00	20.0	20.7	21.0	21.3	.71	.99	1.33	.28	.62
07:00	21.5	21.5	21.6	21.7	.01	.11	.18	.09	.16
08:00	23.9	23.6	23.3	23.2	-.35	-.60	-.71	-.25	-.35
09:00	26.4	25.9	25.7	25.5	-.48	-.71	-.88	-.22	-.40
10:00	27.9 P	27.2 P	26.9 P	26.8 P	P	P	P	P	P
11:00	29.8	29.0	28.6	28.5	-.87	-1.20	-1.31	-.33	-.43
12:00	31.4	30.5	30.1	30.0	-.94	-1.26	-1.40	-.32	-.45
13:00	32.6	31.4	31.1	31.0	-1.20	-1.50	-1.63	-.31	-.43
14:00	33.4	32.2	31.9	31.8	-1.20	-1.55	-1.67	-.35	-.47
15:00	34.0	32.9	32.4	32.3	-1.08	-1.58	-1.71	-.50	-.63
16:00	34.0	33.0	32.6	32.5	-.97	-1.33	-1.48	-.36	-.51
17:00	33.8	33.1	32.8	32.6	-.75	-1.06	-1.25	-.31	-.50
18:00	33.0	32.5	32.3	32.3	-.52	-.73	-.76	-.21	-.24
19:00	30.8	31.5	31.7	31.9	.68	.92	1.11	.24	.43
20:00	27.9	29.5	30.2	30.8	1.66	2.34	2.93	.67	1.27
21:00	26.1	28.2	28.9	29.6	2.07	2.82	3.45	.75	1.38
22:00	26.0	27.4	27.7	28.0	1.36	1.72	2.01	.36	.65
23:00	24.1	25.4	26.2	26.8	1.38	2.16	2.76	.78	1.38
Avg	26.7	26.9	27.0	27.1	.16	.28	.47	.12	.31
Max	34.0	33.1	32.8	32.6	2.07	2.82	3.45	.78	1.38
Hr. of Max	16	17	17	17	21	21	21	23	23
Min	20.0	20.6	20.9	21.3	-1.20	-1.58	-1.71	-.50	-.63
Count	24	24	24	24	23	23	23	23	23
Total									

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Daily Summary Report

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6/17/2015

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	19.6	20.2	20.3	27.6	89.2	88.2	16.8	17.4	0.014705
01:00	19.4	20.2	20.1	27.3	91.4	91.9	16.7	17.5	0.014582
02:00	19.2	20.3	19.8	27.1	92.7	94.0	16.5	17.6	0.014404
03:00	19.1	20.1	19.6	26.8	93.1	95.5	16.3	17.4	0.014254
04:00	18.8	20.0	19.3	26.5	93.6	96.7	16.1	17.3	0.014015
05:00	18.7	19.7	19.2	26.3	93.9	97.2	16.0	17.0	0.013911
06:00	18.6	19.9	19.1	26.1	93.9	97.2	15.9	17.1	0.013839
07:00	19.6	19.7	20.2	25.8	91.2	91.6	16.8	16.9	0.014721
08:00	20.2	19.7	21.4	25.7	81.8	80.8	17.3	16.8	0.015298
09:00	20.5	19.9	22.5	25.6	72.1	71.3	17.5	16.9	0.015621
10:00	P	P	P	25.6 P	67.9 P	68.0 P	P	P	P
11:00	20.8	20.2	23.8	25.9	60.1	61.0	17.7	17.1	0.015931
12:00	20.2	19.8	23.9	26.5	53.2	54.5	17.0	16.6	0.01542
13:00	19.7	19.3	24.0	27.4	48.1	50.2	16.5	16.1	0.014973
14:00	19.2	18.9	23.9	28.2	44.5	46.7	15.9	15.7	0.014499
15:00	18.5	18.4	23.7	28.6	41.5	43.5	15.3	15.2	0.013967
16:00	18.6	18.3	23.7	28.8	41.7	43.1	15.3	15.1	0.014003
17:00	18.8	18.6	23.8	29.1	42.5	43.7	15.5	15.4	0.014201
18:00	19.9	19.5	24.3	29.4	47.7	47.8	16.7	16.3	0.015219
19:00	21.6	20.6	24.7	29.5	60.2	54.2	18.6	17.4	0.01691
20:00	21.8	20.5	23.9	29.5	71.8	60.2	18.9	17.4	0.017053
21:00	21.0	20.7	22.7	29.3	75.7	65.7	18.1	17.6	0.016191
22:00	20.9	20.3	22.6	29.0	75.6	67.2	18.0	17.3	0.016023
23:00	20.4	20.4	21.6	28.8	82.1	75.6	17.5	17.5	0.015511
Avg	19.8	19.8	22.1	27.5	71.1	70.2	16.8	16.8	0.015011
Max	21.8	20.7	24.7	29.5	93.9	97.2	18.9	17.6	0.017053
Hr. of Max	20	21	19	20	06	06	20	21	20
Min	18.5	18.3	19.1	25.6	41.5	43.1	15.3	15.1	0.013839
Count	23	23	23	24	24	24	23	23	23
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/17/2015

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	0.015277	22.8	23.7	.00	29.21	989.3	-1.7	.00	295.2
01:00	0.01533	22.7	23.8	.00	29.21	989.1	-3.5	-.01	285.1
02:00	0.015393	22.4	23.9	.00	29.20	988.9	-2.2	.00	287.4
03:00	0.015218	22.2	23.6	.00	29.20	988.7	-1.4	.00	250.4
04:00	0.015121	21.8	23.5	.00	29.19	988.6	-3.2	.00	254.5
05:00	0.014834	21.6	23.0	.00	29.20	988.8	-2.6	.00	238.1
06:00	0.014964	21.5	23.2	.00	29.21	989.1	13.5	.02	310.6
07:00	0.01479	22.9	23.0	.00	29.22	989.5	120.8	.17	230.2
08:00	0.014787	23.8	23.0	.00	29.23	990.0	332.6	.48	153.9
09:00	0.015017	24.3	23.3	.00	29.23	990.0	436.4	.63	207.4
10:00	P	P	P	.00 P	29.23 P	989.8 P	631.9 P	.91 P	197.1 P
11:00	0.015355	24.7	23.8	.00	29.22	989.7	874.8	1.25	204.3
12:00	0.014974	23.9	23.3	.00	29.22	989.5	885.2	1.27	245.6
13:00	0.014611	23.2	22.7	.00	29.20	988.9	998.1	1.43	214.6
14:00	0.014229	22.5	22.1	.00	29.18	988.2	1037.1	1.49	211.7
15:00	0.013781	21.7	21.4	.00	29.16	987.5	923.9	1.32	230.7
16:00	0.013703	21.7	21.3	.00	29.14	986.9	522.1	.75	238.3
17:00	0.013987	22.0	21.7	.00	29.13	986.5	478.5	.69	247.3
18:00	0.014804	23.5	22.9	.00	29.12	986.1	321.7	.46	248.0
19:00	0.01584	26.1	24.5	.00	29.11	985.9	211.3	.30	272.9
20:00	0.01573	26.3	24.3	.00	29.13	986.5	14.8	.02	296.8
21:00	0.015854	25.0	24.5	.00	29.15	987.1	-1.8	.00	317.7
22:00	0.01545	24.8	23.9	.00	29.16	987.6	-2.2	.00	276.5
23:00	0.015517	24.0	24.1	.00	29.18	988.1	-2.6	.00	249.2
Avg	0.014981	23.3	23.2	.00	29.18	988.3	324.2	.47	249.0
Max	0.015854	26.3	24.5	.00	29.23	990.0	1037.1	1.49	317.7
Hr. of Max	21	20	21	23	10	09	14	14	21
Min	0.013703	21.5	21.3	.00	29.11	985.9	-3.5	-.01	153.9
Count	23	23	23	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/17/2015

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	71.9	71.6	291.4	66.1	41.7	35.5	23.8	.7	.1
01:00	28.1	76.8	284.5	63.3	48.9	55.0	47.0	.8	.6
02:00	313.6	2.0	290.1	354.9	61.6	66.9	48.4	.7	.6
03:00	250.9	.7	252.4	356.2	15.8	44.1	29.0	1.5	.9
04:00	225.5	13.7	257.3	5.9	18.0	37.9	29.4	1.4	1.2
05:00	224.7	214.2	244.0	215.9	20.9	27.1	19.7	1.1	1.2
06:00	337.1	76.6	302.7	70.3	31.2	31.9	28.0	.3	.1
07:00	116.5	90.2	235.7	95.6	47.3	45.5	30.4	.4	.1
08:00	135.7	157.0	174.2	155.2	60.9	69.9	58.4	.2	.2
09:00	201.9	196.6	215.1	197.2	44.7	37.5	61.7	.7	.8
10:00	209.9 P	209.7 P	208.6 P	210.6 P	42.2 P	32.8 P	27.1 P	1.7 P	2.0 P
11:00	219.9	218.4	210.5	220.3	50.0	41.7	30.0	1.8	2.5
12:00	256.5	252.6	249.7	252.3	52.5	43.8	40.0	2.0	2.6
13:00	222.9	221.7	222.0	224.3	47.2	37.4	30.6	3.3	4.3
14:00	225.0	226.9	217.7	228.5	34.9	27.9	24.8	4.9	6.2
15:00	238.4	235.5	235.5	237.4	35.7	29.7	26.1	4.3	5.9
16:00	245.1	244.7	244.4	245.6	26.4	22.7	20.2	4.9	6.1
17:00	249.8	246.5	252.3	247.9	29.4	22.3	17.0	4.3	5.9
18:00	249.9	245.0	253.2	246.6	25.7	14.3	9.9	3.1	5.1
19:00	248.4	239.2	272.6	240.8	21.1	11.3	6.8	1.4	3.4
20:00	242.7	245.9	296.0	248.5	17.9	17.3	8.3	.8	1.6
21:00	52.2	25.3	316.2	23.9	22.2	21.4	33.6	1.4	1.3
22:00	268.8	275.5	275.2	271.9	49.8	51.9	47.4	1.6	2.3
23:00	253.9	288.8	252.2	289.2	26.9	59.2	31.2	1.0	.8
Avg	239.0	240.0	252.0	246.0	36.4	36.9	30.4	.0	.0
Max	337.1	288.8	316.2	356.2	61.6	69.9	61.7	4.9	6.2
Hr. of Max	06	23	21	03	02	08	09	16	14
Min	28.1	.7	174.2	5.9	15.8	11.3	6.8	.2	.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/17/2015

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	.7	.9	.4	.8	1.2	1.3	1.0	1.2	.02
01:00	.6	1.0	.7	.7	1.3	1.0	.9	-.1	.02
02:00	1.4	1.4	1.4	1.6	1.7	1.9	1.6	.7	.02
03:00	1.4	1.5	1.2	1.4	1.9	1.8	1.4	1.3	.04
04:00	.8	1.5	1.3	1.4	1.9	1.8	-1.3	.5	-.04
05:00	1.5	1.2	1.3	1.6	1.7	2.0	-1.2	1.0	-.03
06:00	.5	.4	.1	.6	.8	1.0	2.3	-.8	.04
07:00	.4	.5	.5	.8	1.0	1.1	1.7	-.2	.04
08:00	.2	.5	.4	.5	1.2	1.0	-4.7	-6.4	-.05
09:00	.6	1.0	1.1	1.0	1.7	1.6	-2.4	-5.4	-.07
10:00	2.2 P	2.2 P	2.4 P	2.5 P	2.7 P	3.1 P	-3.3 P	-6.5 P	-.18 P
11:00	3.0	2.6	3.2	3.6	3.2	4.2	-2.6	-3.7	-.11
12:00	2.9	2.9	3.5	3.6	3.5	4.3	-.6	-1.0	-.12
13:00	4.9	4.3	5.2	5.6	4.9	6.3	-1.1	-1.6	-.15
14:00	7.2	5.8	7.0	7.9	6.7	8.6	.8	.6	-.17
15:00	6.9	5.0	6.7	7.5	5.9	8.2	.9	3.2	-.14
16:00	7.1	5.6	6.8	7.6	6.1	8.2	-2.0	.7	-.42
17:00	6.7	4.8	6.3	7.1	5.4	7.7	-.5	1.6	-.26
18:00	6.5	3.3	5.2	6.6	4.0	7.1	-1.5	.9	-.27
19:00	4.8	1.5	3.5	4.8	1.8	5.2	-.6	1.0	-.07
20:00	3.0	.9	1.6	3.0	1.2	3.3	-1.8	1.0	-.04
21:00	1.4	1.5	2.0	2.2	1.7	2.6	-1.3	.4	-.09
22:00	3.2	2.2	3.3	4.3	2.5	4.7	.2	1.8	-.08
23:00	1.7	1.2	.9	1.8	1.6	2.1	.1	.5	.01
Avg	.0	2.2	2.8	3.3	2.7	3.8	-.6	-.4	-.09
Max	7.2	5.8	7.0	7.9	6.7	8.6	2.3	3.2	.04
Hr. of Max	14	14	14	14	14	14	06	15	07
Min	.2	.4	.1	.5	.8	1.0	-4.7	-6.5	-.42
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/17/2015

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	2.7	1.8	2.7	3.0	2.9	7.8	10.9
01:00	.02	5.3	3.0	2.3	3.1	2.7	9.2	9.5
02:00	.02	3.7	4.6	7.6	3.8	8.3	10.8	7.0
03:00	.03	3.4	3.9	7.6	3.8	5.1	7.8	10.9
04:00	.01	4.4	5.3	3.4	4.8	3.7	7.1	10.0
05:00	.03	3.2	5.3	3.9	3.6	4.2	9.4	11.1
06:00	-.01	1.6	1.1	1.6	1.8	2.0	7.8	8.5
07:00	.01	1.8	1.8	2.1	2.6	2.2	12.8	9.0
08:00	-.08	2.5	2.5	2.3	3.6	3.8	30.4	32.0
09:00	-.11	5.0	5.0	4.4	5.8	4.9	29.5	35.8
10:00	-.24 P	<	<	<	<	<	<	<
11:00	-.23	6.9	7.8	8.9	7.8	10.6	26.5	26.2
12:00	-.20	10.1	11.0	9.2	10.6	10.5	25.0	28.7
13:00	-.31	11.2	12.1	12.8	12.1	14.4	23.9	23.3
14:00	-.09	14.7	17.9	16.5	16.4	17.2	19.1	14.6
15:00	.18	14.4	19.7	24.0	16.3	16.6	20.8	17.3
16:00	-.22	14.7	14.4	15.1	15.7	16.5	17.1	15.9
17:00	.06	11.4	13.7	13.3	12.6	16.6	18.3	13.8
18:00	.05	9.4	16.7	14.2	11.0	14.4	16.7	7.8
19:00	.08	5.0	7.6	11.2	6.2	8.4	15.3	5.1
20:00	.05	2.3	6.0	7.1	2.7	6.4	8.4	4.1
21:00	-.07	9.6	15.8	15.1	11.7	16.1	8.0	8.5
22:00	.00	8.7	11.2	17.9	9.5	14.2	13.7	12.8
23:00	.00	6.4	4.8	8.9	4.5	10.7	12.3	19.1
Avg	-.04	6.9	8.4	9.2	7.5	9.2	15.6	14.9
Max	.18	14.7	19.7	24.0	16.4	17.2	30.4	35.8
Hr. of Max	15	16	15	15	14	14	08	09
Min	-.31	1.6	1.1	1.6	1.8	2.0	7.1	4.1
Count	24	23	23	23	23	23	23	23
Total								