Date Printed: 02/05/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

2/4/2015

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	-3.8	-2.1	-1.4	.2	1.74	2.48	4.08	.74	2.34
01:00	-4.3	-2.5	-1.8	-.4	1.79	2.41	3.81	.63	2.02
02:00	-4.7	-2.9	-2.3	-.7	1.76	2.45	4.02	.68	2.26
03:00	-5.1	-3.5	-2.8	-1.3	1.62	2.33	3.77	.71	2.16
04:00	-5.4	-3.7	-3.2	-1.8	1.70	2.22	3.60	.52	1.91
05:00	-5.7	-4.3	-3.5	-2.4	1.42	2.26	3.35	.84	1.93
06:00	-5.6	-4.2	-3.6	-2.3	1.35	1.97	3.28	.62	1.93
07:00	-5.7	-4.2	-3.7	-2.5	1.52	2.02	3.20	.50	1.68
08:00	-4.3	-3.7	-3.2	-2.5	.57	1.06	1.80	.49	1.23
09:00	-.2	-.5	-.6	-.5	-.30	-.39	-.28	-.09	.02
10:00	2.9	2.5	2.3	2.2	-.41	-.60	-.72	-.19	-.31
11:00	5.2	4.7	4.4	4.3	-.50	-.71	-.82	-.22	-.32
12:00	7.7	7.1	6.8	6.7	-.63	-.87	-.97	-.23	-.34
13:00	8.7	8.1	7.8	7.7	-.62	-.90	-1.05	-.29	-.44
14:00	9.4	8.8	8.6	8.4	-.62	-.90	-1.04	-.28	-.42
15:00	9.6	9.1	8.8	8.7	-.47	-.73	-.86	-.26	-.39
16:00	9.2	9.1	8.8	8.7	-.17	-.41	-.51	-.24	-.34
17:00	7.7	8.6	8.6	8.6	.96	.92	.90	-.04	-.06
18:00	4.4	7.4	7.9	8.2	3.00	3.49	3.77	.49	.77
19:00	3.0	6.8	7.7	8.0	3.76	4.64	4.95	.88	1.19
20:00	2.2	6.0	7.0	7.5	3.74	4.73	5.25	.99	1.51
21:00	1.2	4.0	5.7	6.5	2.77	4.54	5.33	1.77	2.56
22:00	.0	3.3	5.1	6.3	3.31	5.12	6.25	1.81	2.94
23:00	-.1	2.2	3.8	5.6	2.30	3.99	5.73	1.68	3.43
Avg	1.1	2.3	2.8	3.5	1.23	1.71	2.37	.48	1.14
Max	9.6	9.1	8.8	8.7	3.76	5.12	6.25	1.81	3.43
Hr. of Max	15	16	16	16	19	22	22	22	23
Min	-5.7	-4.3	-3.7	-2.5	-.63	-.90	-1.05	-.29	-.44
Count	24	24	24	24	24	24	24	24	24
Total									

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OAK RIDGE NATIONAL LABORATORY
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Daily Summary Report

Site: Tower "D" (1000 Area)

2/4/2015

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	-5.9	-6.4	-5.2	4.0	86.1	72.6	3.2	3.0	0.002477
01:00	-6.0	-6.5	-5.4	3.9	87.8	74.3	3.1	3.0	0.002449
02:00	-6.4	-6.5	-5.8	3.8	88.6	76.8	3.1	3.0	0.002387
03:00	-6.6	-6.5	-6.1	3.7	89.2	79.8	3.0	3.0	0.002337
04:00	-6.8	-6.5	-6.3	3.6	90.3	81.3	3.0	3.0	0.002304
05:00	-7.1	-6.5	-6.6	3.5	90.8	84.9	2.9	3.0	0.00226
06:00	-7.0	-6.3	-6.5	3.4	90.4	85.6	2.9	3.1	0.002278
07:00	-7.0	-6.2	-6.6	3.4	90.7	86.3	2.9	3.1	0.002266
08:00	-5.9	-6.1	-5.4	3.3	88.5	83.9	3.2	3.1	0.00247
09:00	-3.7	-4.7	-2.5	3.2	78.0	74.0	3.7	3.4	0.002928
10:00	-4.7	-5.7	-2.2	3.2	58.0	55.2	3.4	3.2	0.002729
11:00	-4.3	-5.3	-1.1	3.2	51.0	48.9	3.5	3.2	0.002821
12:00	-5.2	-6.2	-.9	3.3	40.2	38.7	3.2	3.0	0.002655
13:00	-4.9	-5.7	-.4	3.5	38.2	37.4	3.3	3.1	0.00271
14:00	-5.1	-5.9	-.2	3.8	36.0	35.1	3.3	3.1	0.00268
15:00	-5.6	-6.5	-.6	4.2	34.3	33.1	3.1	2.9	0.002576
16:00	-5.5	-6.2	-.6	4.5	35.4	33.9	3.2	3.0	0.002601
17:00	-4.1	-5.7	-.1	4.7	44.1	36.4	3.5	3.1	0.002894
18:00	-3.0	-5.2	-.5	4.8	59.2	40.8	3.9	3.2	0.003121
19:00	-2.9	-5.0	-.9	4.9	65.7	43.4	3.9	3.3	0.003138
20:00	-2.8	-5.1	-1.1	4.9	69.9	45.2	3.9	3.3	0.003161
21:00	-3.0	-4.4	-1.6	4.8	73.9	54.8	3.9	3.5	0.003098
22:00	-3.4	-4.4	-2.2	4.7	78.5	57.4	3.8	3.5	0.00302
23:00	-3.3	-4.3	-2.3	4.6	79.6	62.7	3.8	3.5	0.003032
Avg	-5.0	-5.7	-3.0	4.0	68.5	59.3	3.4	3.2	0.002683
Max	-2.8	-4.3	-.1	4.9	90.8	86.3	3.9	3.5	0.003161
Hr. of Max	20	23	17	20	05	07	21	23	20
Min	-7.1	-6.5	-6.6	3.2	34.3	33.1	2.9	2.9	0.00226
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/4/2015

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	0.002376	3.9	3.8	.00	29.35	994.1	-2.3	.00	255.7
01:00	0.002369	3.9	3.8	.00	29.34	993.7	-2.8	.00	241.2
02:00	0.002363	3.8	3.8	.00	29.34	993.6	-2.3	.00	243.0
03:00	0.002362	3.7	3.8	.00	29.33	993.4	-2.5	.00	239.1
04:00	0.002362	3.7	3.8	.00	29.33	993.2	-2.3	.00	237.1
05:00	0.002355	3.6	3.7	.00	29.34	993.6	-2.2	.00	246.3
06:00	0.002389	3.6	3.8	.00	29.35	993.9	-2.7	.00	39.7
07:00	0.002422	3.6	3.9	.00	29.35	994.0	5.0	.01	62.5
08:00	0.002441	3.9	3.9	.00	29.34	993.8	138.5	.20	77.6
09:00	0.00272	4.7	4.3	.00	29.34	993.5	374.1	.54	93.3
10:00	0.002522	4.3	4.0	.00	29.32	993.0	389.2	.56	191.7
11:00	0.00261	4.5	4.1	.00	29.29	991.8	427.6	.61	229.0
12:00	0.002446	4.2	3.9	.00	29.25	990.7	502.8	.72	242.8
13:00	0.002544	4.3	4.0	.00	29.23	989.8	456.9	.66	255.0
14:00	0.002511	4.2	4.0	.00	29.20	988.8	416.9	.60	259.7
15:00	0.002412	4.1	3.8	.00	29.18	988.3	304.8	.44	266.1
16:00	0.002462	4.1	3.9	.00	29.18	988.0	161.4	.23	256.1
17:00	0.002565	4.6	4.1	.00	29.18	988.1	39.7	.06	257.1
18:00	0.002649	4.9	4.2	.00	29.18	988.3	-1.2	.00	238.1
19:00	0.002698	5.0	4.3	.00	29.18	988.2	-2.2	.00	231.8
20:00	0.002657	5.0	4.2	.00	29.19	988.5	-2.1	.00	233.7
21:00	0.002797	4.9	4.4	.00	29.18	988.2	-2.4	.00	285.6
22:00	0.0028	4.8	4.4	.00	29.17	987.9	-2.3	.00	245.0
23:00	0.002818	4.8	4.5	.00	29.17	987.8	-2.4	.00	156.1
Avg	0.002527	4.3	4.0	.00	29.26	991.0	132.8	.19	240.0
Max	0.002818	5.0	4.5	.00	29.35	994.1	502.8	.72	285.6
Hr. of Max	23	20	23	23	07	00	12	12	21
Min	0.002355	3.6	3.7	.00	29.17	987.8	-2.8	.00	39.7
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/4/2015

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	229.5	243.4	252.1	242.9	41.1	19.7	17.3	.3	.9
01:00	239.2	254.4	236.8	254.8	50.3	36.6	33.4	.1	.3
02:00	203.4	250.6	244.4	253.4	39.4	34.7	36.3	.4	.2
03:00	234.9	252.4	235.1	252.3	70.5	48.1	29.0	.2	.2
04:00	223.1	248.1	235.4	248.2	70.2	44.8	13.7	.0	.0
05:00	252.6	239.2	242.8	240.8	24.8	34.5	5.9	.7	1.5
06:00	64.6	167.5	43.6	161.0	49.0	27.3	37.3	.3	.9
07:00	59.9	66.3	69.8	64.9	39.8	11.8	14.6	.2	1.1
08:00	50.9	64.9	64.8	62.9	42.7	21.0	10.6	.1	1.0
09:00	62.6	69.3	103.2	66.6	29.4	27.1	20.5	.8	1.2
10:00	212.3	214.1	203.5	213.9	47.5	43.4	42.3	1.0	1.1
11:00	238.5	233.6	235.0	236.0	33.1	26.6	24.8	1.9	2.5
12:00	249.0	246.8	247.7	248.3	28.9	26.5	22.3	4.1	5.1
13:00	261.3	259.3	259.4	260.7	29.6	26.4	22.5	4.2	5.3
14:00	266.0	264.1	263.4	265.2	26.4	23.5	19.7	4.4	5.7
15:00	271.7	268.8	271.0	270.1	22.0	17.9	15.2	5.2	6.6
16:00	262.9	259.7	261.7	261.6	21.1	16.2	12.8	4.1	5.7
17:00	269.0	268.9	261.8	270.6	16.2	12.4	11.1	2.2	3.7
18:00	243.6	245.3	242.0	247.7	12.9	10.6	7.2	2.2	4.1
19:00	255.5	246.5	234.7	248.6	14.5	7.7	5.9	1.8	4.2
20:00	233.3	231.3	237.2	233.8	12.9	7.4	4.6	2.1	4.1
21:00	259.1	227.7	276.6	230.0	54.3	29.6	6.4	.1	1.2
22:00	231.8	212.8	246.7	215.2	39.4	14.8	12.1	.6	2.0
23:00	235.1	257.3	180.5	259.3	34.1	16.2	10.3	.5	1.6
Avg	245.0	242.0	242.0	244.0	35.4	24.4	18.2	.0	.0
Max	271.7	268.9	276.6	270.6	70.5	48.1	42.3	5.2	6.6
Hr. of Max	15	17	21	17	03	03	10	15	15
Min	50.9	64.9	43.6	62.9	12.9	7.4	4.6	.0	.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/4/2015

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	.5	.3	1.0	.6	.9	1.3	.7	1.0	.01
01:00	.7	.2	.4	1.0	.7	1.6	2.9	.6	.04
02:00	.4	.5	.5	.9	1.0	1.5	1.8	.9	.04
03:00	.5	.7	.5	.6	1.3	1.2	1.9	.1	.04
04:00	.9	.0	.0	1.0	.6	1.6	1.4	1.4	.02
05:00	3.0	.7	1.7	3.1	1.4	3.6	1.3	1.4	.01
06:00	.1	.4	.9	.3	.9	.9	1.9	-.9	.03
07:00	1.1	.2	1.2	1.1	.7	1.7	2.3	.2	.03
08:00	1.4	.2	1.1	1.5	.6	2.0	3.3	.1	.05
09:00	1.6	.9	1.4	1.7	1.5	2.3	1.2	-10.2	.03
10:00	1.1	1.5	1.5	1.4	2.1	2.1	-4.9	-4.3	-.16
11:00	2.7	2.2	2.8	3.0	2.9	3.7	-2.9	-3.2	-.23
12:00	5.7	4.9	5.7	6.2	5.4	7.0	-1.3	-2.3	-.30
13:00	6.1	4.8	6.0	6.7	5.5	7.3	-.2	2.2	-.26
14:00	6.5	4.9	6.2	6.9	5.3	7.4	.0	1.8	-.21
15:00	7.5	5.5	7.0	7.8	6.0	8.2	-3.0	-.9	-.46
16:00	6.8	4.4	5.9	7.1	4.8	7.5	1.2	1.1	-.13
17:00	4.9	2.3	3.8	5.0	2.7	5.3	-.9	1.3	-.10
18:00	6.0	2.3	4.3	6.2	2.8	6.6	-.5	2.6	-.04
19:00	6.9	1.9	4.3	7.0	2.4	7.4	1.9	1.9	.07
20:00	5.5	2.1	4.2	5.6	2.6	6.1	1.3	2.1	.02
21:00	3.8	.3	1.3	3.9	.8	4.3	2.3	1.6	.03
22:00	3.8	.7	2.3	4.0	1.2	4.3	2.2	.7	.02
23:00	3.7	.5	1.7	3.9	1.0	4.2	3.1	3.0	.05
Avg	.0	1.8	2.7	3.6	2.3	4.1	.7	.1	-.06
Max	7.5	5.5	7.0	7.8	6.0	8.2	3.3	3.0	.07
Hr. of Max	15	15	15	15	15	15	08	23	19
Min	.1	.0	.0	.3	.6	.9	-4.9	-10.2	-.46
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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2/4/2015

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	2.5	2.3	1.8	2.5	2.3	6.9	5.4
01:00	.02	1.4	1.6	2.1	1.6	2.7	8.3	4.4
02:00	.03	2.3	2.1	2.3	3.7	2.9	6.2	8.2
03:00	.00	2.5	1.8	3.0	3.0	3.5	7.4	6.7
04:00	.04	.5	.9	1.8	1.3	2.5	6.6	3.2
05:00	.10	3.2	4.4	5.5	3.9	5.9	6.6	2.5
06:00	.00	1.6	3.2	4.6	2.2	3.2	7.3	7.9
07:00	.01	1.8	3.0	2.1	2.2	2.6	7.4	5.1
08:00	.00	1.8	2.7	3.2	2.7	3.8	10.1	3.5
09:00	-.33	3.2	3.7	6.2	3.8	4.9	27.4	13.8
10:00	-.23	5.5	5.5	4.8	5.4	6.1	26.9	29.2
11:00	-.27	6.6	6.9	8.5	8.5	9.5	23.9	21.5
12:00	-.43	11.9	14.2	13.1	12.6	14.8	18.7	17.6
13:00	.05	13.1	12.6	24.5	14.5	15.2	20.0	17.6
14:00	-.06	11.4	14.2	20.6	12.0	15.3	17.9	16.0
15:00	-.33	12.1	12.8	13.3	12.9	15.1	14.3	12.5
16:00	.00	10.5	12.1	11.7	11.6	12.2	16.8	11.0
17:00	.07	6.2	8.9	9.8	6.8	8.6	10.9	7.9
18:00	.28	4.4	6.4	12.8	4.9	9.5	4.9	3.9
19:00	.23	5.0	9.2	13.5	4.8	10.0	6.7	4.0
20:00	.21	7.1	8.9	14.2	4.5	10.6	5.8	2.4
21:00	.12	1.8	4.8	8.5	2.2	5.8	7.9	2.1
22:00	.05	3.7	4.8	7.8	4.1	7.1	7.9	3.3
23:00	.22	3.2	6.2	9.2	3.7	8.5	8.7	4.5
Avg	-.01	5.1	6.4	8.5	5.6	7.6	11.9	8.9
Max	.28	13.1	14.2	24.5	14.5	15.3	27.4	29.2
Hr. of Max	18	13	14	13	13	14	09	10
Min	-.43	.5	.9	1.8	1.3	2.3	4.9	2.1
Count	24	24	24	24	24	24	24	24
Total								