Date Printed: 04/19/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/18/2015

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	14.4	15.5	15.9	16.3	1.08	1.50	1.89	.42	.81
01:00	13.8	14.9	15.4	15.9	1.13	1.60	2.09	.47	.96
02:00	13.7	14.7	15.0	15.4	1.04	1.34	1.75	.30	.71
03:00	13.6	14.7	14.9	15.3	1.08	1.38	1.72	.29	.64
04:00	13.5	14.4	14.6	14.9	.93	1.13	1.42	.20	.49
05:00	13.5	14.0	14.0	14.2	.46	.45	.61	-.01	.15
06:00	13.7	13.8	13.8	13.8	.11	.04	.07	-.08	-.04
07:00	13.8	13.6	13.5	13.6	-.13	-.23	-.17	-.10	-.04
08:00	14.2	14.0	13.9	13.9	-.15	-.30	-.30	-.16	-.15
09:00	15.4	15.2	14.8	14.9	-.19	-.57	-.54	-.38	-.36
10:00	18.6	18.0	16.7	17.1	-.57	-1.95	-1.51	-1.38	-.94
11:00	20.9	20.3	19.8	19.8	-.56	-1.03	-1.09	-.47	-.53
12:00	22.8	22.1	21.8	21.6	-.66	-1.04	-1.24	-.38	-.58
13:00	23.8	23.3	22.9	22.7	-.46	-.84	-1.03	-.38	-.57
14:00	24.6	24.1	23.7	23.5	-.50	-.92	-1.11	-.42	-.61
15:00	25.8	25.3	24.9	24.8	-.47	-.83	-.99	-.36	-.52
16:00	25.8	25.6	25.3	25.2	-.18	-.46	-.57	-.28	-.39
17:00	25.1	25.3	25.1	25.0	.14	-.04	-.11	-.18	-.24
18:00	21.7	21.9	21.8	21.9	.19	.10	.21	-.09	.02
19:00	20.4	20.7	21.0	21.3	.30	.63	.97	.33	.67
20:00	19.7	20.2	20.4	20.4	.54	.72	.76	.18	.23
21:00	18.9	19.3	19.4	19.6	.39	.52	.69	.12	.30
22:00	18.5	18.9	19.0	19.0	.44	.49	.57	.05	.13
23:00	18.1	18.4	18.5	18.6	.31	.35	.51	.04	.20
Avg	18.5	18.7	18.6	18.7	.18	.09	.19	-.09	.01
Max	25.8	25.6	25.3	25.2	1.13	1.60	2.09	.47	.96
Hr. of Max	16	16	16	16	01	01	01	01	01
Min	13.5	13.6	13.5	13.6	-.66	-1.95	-1.51	-1.38	-.94
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/18/2015

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	13.5	14.8	13.8	17.8	95.5	97.0	11.7	12.6	0.009915
01:00	12.9	14.3	13.2	17.6	95.9	97.8	11.3	12.3	0.009558
02:00	12.8	14.2	13.1	17.4	96.0	98.3	11.2	12.2	0.009511
03:00	12.7	14.1	13.0	17.2	96.0	98.4	11.1	12.2	0.009439
04:00	12.7	13.9	12.9	17.1	96.2	98.4	11.1	12.0	0.0094
05:00	12.8	13.5	13.0	16.9	96.5	98.4	11.2	11.7	0.009471
06:00	13.1	13.4	13.3	16.8	97.2	98.4	11.4	11.6	0.009661
07:00	13.1	13.1	13.3	16.6	97.5	98.4	11.4	11.4	0.009701
08:00	13.5	13.5	13.7	16.5	97.4	98.4	11.7	11.7	0.009943
09:00	14.2	14.5	14.6	16.5	94.2	97.3	12.2	12.5	0.010429
10:00	14.8	14.4	16.1	16.5	80.2	81.2	12.6	12.3	0.010872
11:00	15.0	14.6	17.0	16.8	70.7	71.1	12.7	12.3	0.011036
12:00	15.0	14.5	17.6	17.1	63.0	63.2	12.6	12.2	0.011067
13:00	14.2	13.7	17.4	17.6	56.5	55.9	12.0	11.5	0.010527
14:00	13.5	12.9	17.2	18.1	51.1	50.6	11.3	10.9	0.010013
15:00	12.9	12.2	17.2	18.5	46.0	45.2	10.9	10.5	0.009687
16:00	13.1	12.3	17.3	18.8	46.5	44.6	11.0	10.5	0.009786
17:00	13.5	12.7	17.4	19.0	49.9	47.0	11.4	10.8	0.010063
18:00	15.6	15.2		19.1	69.7	67.3	13.1	12.8	0.011472
19:00	17.3	17.0		19.1	84.1	81.3	14.6	14.4	0.01278
20:00	17.4	17.0	18.1	19.1	88.7	83.8	14.7	14.4	0.012855
21:00	17.3	17.2	17.8	19.0	92.3	90.0	14.7	14.6	0.012748
22:00	17.0	17.0	17.5	18.9	92.9	90.6	14.4	14.4	0.012511
23:00	16.8	16.8	17.2	18.8	93.6	91.8	14.3	14.2	0.012364
Avg	14.4	14.5	15.5	17.8	81.2	81.0	12.3	12.3	0.010617
Max	17.4	17.2	18.1	19.1	97.5	98.4	14.7	14.6	0.012855
Hr. of Max	20	21	20	20	07	08	21	21	20
Min	12.7	12.2	12.9	16.5	46.0	44.6	10.9	10.5	0.0094
Count	24	24	22	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)

4/18/2015

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	0.010802	15.5	16.8	.00	29.11	985.8	-2.3	.00	251.2
01:00	0.010492	14.9	16.4	.00	29.11	986.0	-.9	.00	236.6
02:00	0.010423	14.8	16.2	.00	29.11	985.7	-1.7	.00	232.4
03:00	0.010376	14.7	16.2	.00	29.10	985.4	-2.3	.00	260.2
04:00	0.010215	14.7	15.9	.00	29.10	985.4	-2.6	.00	66.5
05:00	0.00995	14.8	15.5	.00	29.09	985.1	-3.6	-.01	69.0
06:00	0.009849	15.1	15.4	.00	29.09	985.3	-2.8	.00	13.2
07:00	0.009706	15.1	15.2	.00	29.12	986.0	31.7	.05	358.7
08:00	0.009954	15.5	15.5	.00	29.12	986.2	113.4	.16	50.7
09:00	0.010647	16.3	16.6	.00	29.11	985.8	274.6	.39	78.7
10:00	0.010604	16.9	16.5	.00	29.09	985.3	641.7	.92	84.3
11:00	0.010707	17.2	16.7	.00	29.09	985.2	612.9	.88	83.3
12:00	0.010669	17.2	16.6	.00	29.08	984.8	720.7	1.03	81.7
13:00	0.010126	16.4	15.8	.00	29.07	984.4	609.7	.87	67.0
14:00	0.009623	15.6	15.0	.00	29.04	983.5	632.9	.91	51.9
15:00	0.009255	15.1	14.4	.00	29.01	982.3	668.4	.96	81.1
16:00	0.009284	15.2	14.4	.00	28.99	981.8	398.1	.57	88.0
17:00	0.009584	15.6	14.9	.00	29.00	982.0	162.1	.23	99.6
18:00	0.011193	17.8	17.4	.00	29.00	982.1	37.4	.05	172.6
19:00	0.012587	19.8	19.5	.00	29.01	982.3	18.9	.03	230.2
20:00	0.012565	19.9	19.5	.00	29.04	983.3	-3.4	.00	235.2
21:00	0.012728	19.7	19.7	.00	29.04	983.3	-3.8	-.01	244.3
22:00	0.012534	19.4	19.4	.00	29.04	983.4	-2.4	.00	245.3
23:00	0.012353	19.2	19.1	.00	29.02	982.9	-1.0	.00	274.8
Avg	0.010676	16.5	16.6	.00	29.07	984.3	204.0	.29	84.0
Max	0.012728	19.9	19.7	.00	29.12	986.2	720.7	1.03	358.7
Hr. of Max	21	20	21	23	08	08	12	12	07
Min	0.009255	14.7	14.4	.00	28.99	981.8	-3.8	-.01	13.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/18/2015

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	253.1	219.6	250.3	220.8	45.0	47.9	19.3	.7	1.2
01:00	256.7	262.5	241.6	266.4	25.1	16.7	41.4	1.7	1.9
02:00	208.2	235.7	238.3	237.1	22.1	19.9	13.4	1.0	1.5
03:00	226.1	204.8	263.7	207.1	56.6	26.9	11.3	.7	1.7
04:00	60.7	79.2	68.4	58.3	35.4	20.3	47.1	.5	.8
05:00	71.7	67.3	60.7	62.8	22.9	15.7	10.4	.4	1.1
06:00	29.2	52.1	349.7	43.1	49.6	35.3	16.5	.1	.3
07:00	7.4	27.5	353.9	19.5	24.2	13.5	12.5	1.2	1.9
08:00	48.3	49.2	52.8	43.4	31.1	21.8	14.8	1.1	1.7
09:00	64.9	59.6	79.4	55.5	20.1	21.7	15.8	2.8	3.0
10:00	76.3	73.0	85.3	69.0	18.3	19.1	13.8	5.6	5.8
11:00	81.0	78.7	83.6	74.7	18.5	14.8	12.8	6.4	7.7
12:00	76.1	75.4	82.1	70.9	25.7	23.2	19.5	5.6	6.5
13:00	65.3	65.7	73.6	61.4	32.3	22.9	16.4	4.0	5.6
14:00	49.0	48.6	51.4	44.0	33.9	20.0	15.6	3.9	6.8
15:00	73.9	70.5	82.2	66.9	29.0	28.1	23.1	5.8	7.0
16:00	89.7	86.1	89.4	82.2	25.5	21.5	17.5	5.1	6.3
17:00	97.0	95.3	101.7	91.0	24.9	23.1	19.3	4.0	5.0
18:00	166.8	157.8	177.5	157.9	37.1	25.5	22.8	2.3	3.5
19:00	203.5	185.0	233.3	186.9	25.6	18.0	12.1	2.0	3.5
20:00	213.7	198.2	239.7	199.6	17.9	12.2	12.7	2.0	3.2
21:00	226.8	208.4	246.7	209.9	20.3	17.0	9.5	2.1	3.3
22:00	252.1	242.3	248.3	243.9	36.9	19.6	13.1	1.5	2.9
23:00	263.2	250.7	271.8	252.0	33.2	23.0	10.4	.8	1.7
Avg	93.0	102.0	79.0	91.0	29.6	22.0	17.5	.0	.0
Max	263.2	262.5	353.9	266.4	56.6	47.9	47.1	6.4	7.7
Hr. of Max	23	01	07	01	03	00	04	11	11
Min	7.4	27.5	51.4	19.5	17.9	12.2	9.5	.1	.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/18/2015

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	1.0	.8	1.3	1.1	1.2	1.5	1.6	.5	.00
01:00	2.7	2.2	2.7	3.0	2.6	3.3	-.5	2.2	-.02
02:00	1.6	1.1	1.6	1.6	1.6	2.0	1.5	-.1	.02
03:00	2.0	.7	1.7	2.2	1.2	2.5	2.2	1.3	.01
04:00	.6	.7	1.1	1.4	1.0	1.8	2.8	.3	.03
05:00	1.6	.4	1.2	1.6	.8	2.0	.3	.0	-.01
06:00	.6	.3	.4	.7	.7	1.2	.9	-4.5	.02
07:00	1.5	1.3	2.0	1.6	1.6	2.0	-.9	-6.3	-.07
08:00	1.9	1.3	1.9	2.0	1.7	2.4	1.6	-1.2	-.02
09:00	3.8	3.0	3.2	4.0	3.6	4.4	1.8	2.3	.11
10:00	7.1	5.9	6.1	7.2	6.6	7.8	1.4	2.6	.07
11:00	8.6	6.7	8.0	8.9	7.2	9.3	-1.1	.3	-.25
12:00	7.6	6.1	7.0	8.0	6.8	8.7	1.4	5.3	.06
13:00	7.1	4.6	6.1	7.5	5.3	8.0	2.1	.3	-.04
14:00	7.8	4.5	7.2	8.0	5.0	8.6	-.8	-2.4	-.37
15:00	8.2	6.4	7.8	8.8	7.1	9.5	.3	5.2	-.03
16:00	7.2	5.6	6.8	7.6	6.3	8.0	-.4	1.0	-.11
17:00	5.6	4.3	5.3	5.9	5.0	6.4	.6	.3	.04
18:00	4.9	4.1	5.8	7.5	4.7	8.0	1.7	2.4	.10
19:00	4.5	2.4	3.9	4.8	2.8	5.1	.0	1.1	-.03
20:00	3.6	2.0	3.3	3.8	2.5	4.1	-2.1	-1.6	-.11
21:00	4.8	2.3	3.7	5.0	2.8	5.4	-2.6	1.5	-.13
22:00	4.1	1.9	3.1	4.3	2.3	4.6	-.2	-.5	-.06
23:00	2.9	1.1	1.9	3.1	1.5	3.4	-.6	-.4	-.04
Avg	.0	2.9	3.9	4.6	3.4	5.0	.5	.4	-.03
Max	8.6	6.7	8.0	8.9	7.2	9.5	2.8	5.3	.11
Hr. of Max	11	11	11	11	11	15	04	12	09
Min	.6	.3	.4	.7	.7	1.2	-2.6	-6.3	-.37
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/18/2015

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	.01	3.7	4.1	3.2	4.1	3.3	9.1	5.8
01:00	.13	4.1	4.6	6.6	4.3	7.3	4.9	6.8
02:00	.00	3.2	5.0	6.4	3.7	3.9	7.2	5.5
03:00	.06	5.3	4.6	6.6	3.4	4.1	10.3	4.4
04:00	.00	2.3	3.4	6.9	2.4	4.4	10.0	5.7
05:00	.00	2.1	3.4	3.0	2.3	3.3	9.4	4.5
06:00	-.10	1.6	2.3	3.0	2.3	3.0	11.8	16.3
07:00	-.22	3.2	4.6	3.2	4.2	3.9	18.3	9.6
08:00	-.10	3.7	4.4	4.6	4.1	5.2	25.5	16.3
09:00	.10	8.9	9.2	10.3	11.6	10.6	17.8	14.1
10:00	.26	11.9	14.7	14.4	13.4	16.5	14.5	13.4
11:00	-.02	14.7	19.0	17.6	15.6	18.7	14.7	10.9
12:00	.57	15.3	16.9	17.2	14.3	14.9	16.8	15.9
13:00	-.03	15.6	16.0	22.9	14.2	15.6	21.4	15.5
14:00	-.56	11.4	14.2	18.5	12.0	15.9	21.4	13.7
15:00	.70	16.3	18.1	16.3	17.1	17.8	17.0	15.1
16:00	.03	12.4	21.8	22.4	13.3	15.2	13.8	13.2
17:00	.17	16.9	19.7	19.9	18.0	20.2	15.9	17.6
18:00	.26	17.4	22.4	26.1			16.7	10.5
19:00	.12	6.4	10.1	14.2			11.3	8.6
20:00	-.13	6.9	9.2	9.2	6.1	8.9	9.7	7.6
21:00	.12	6.4	7.1	8.5	5.5	9.4	9.2	5.5
22:00	-.02	5.5	6.0	7.3	5.3	8.3	10.9	6.4
23:00	-.01	3.0	5.0	10.3	3.6	6.4	10.8	5.3
Avg	.06	8.3	10.2	11.6	8.2	9.9	13.7	10.3
Max	.70	17.4	22.4	26.1	18.0	20.2	25.5	17.6
Hr. of Max	15	18	18	18	17	17	08	17
Min	-.56	1.6	2.3	3.0	2.3	3.0	4.9	4.4
Count	24	24	24	24	22	22	24	24
Total								