Date Printed: 05/18/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/17/2015

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	18.9	20.0	20.2	20.6	1.12	1.33	1.71	.22	.59
01:00	19.0	19.8	19.9	20.3	.82	.95	1.39	.13	.57
02:00	18.9	19.6	19.9	20.5	.75	1.00	1.57	.25	.81
03:00	18.5	19.1	19.6	20.1	.64	1.14	1.64	.50	.99
04:00	18.4	19.0	19.4	20.0	.59	1.07	1.61	.48	1.02
05:00	18.5	19.4	19.9	20.0	.92	1.33	1.52	.41	.60
06:00	18.8	19.5	19.7	19.8	.74	.89	1.07	.15	.33
07:00	19.4	19.7	19.7	19.7	.30	.27	.34	-.02	.04
08:00	20.1	20.0	19.9	20.0	-.07	-.17	-.14	-.10	-.07
09:00	20.7	20.5	20.3	20.3	-.19	-.37	-.40	-.18	-.21
10:00	21.9	21.5	21.3	21.2	-.38	-.63	-.75	-.26	-.37
11:00	22.6	22.2	21.9	21.8	-.36	-.63	-.76	-.26	-.40
12:00	23.3	22.8	22.6	22.5	-.47	-.75	-.84	-.28	-.37
13:00	24.3	23.6	23.3	23.2	-.67	-.98	-1.13	-.31	-.45
14:00	25.2	24.4	24.1	24.0	-.80	-1.13	-1.19	-.32	-.39
15:00	25.5	24.7	24.4	24.3	-.74	-1.07	-1.19	-.32	-.45
16:00	25.0	24.5	24.3	24.2	-.46	-.74	-.85	-.28	-.39
17:00	25.0	24.5	24.1	23.9	-.55	-.89	-1.06	-.35	-.52
18:00	25.7	25.2	24.9	24.7	-.51	-.82	-.96	-.31	-.44
19:00	24.5	24.6	24.5	24.6	.13	.07	.14	-.06	.00
20:00	22.2	23.2	24.0	24.2	.94	1.74	1.99	.80	1.05
21:00	20.7	21.9	22.6	23.1	1.21	1.89	2.36	.68	1.15
22:00	20.2	21.4	21.9	22.4	1.15	1.63	2.17	.48	1.02
23:00	20.0	20.9	21.5	22.1	.90	1.43	2.10	.53	1.19
Avg	21.6	21.8	21.8	22.0	.21	.27	.43	.07	.22
Max	25.7	25.2	24.9	24.7	1.21	1.89	2.36	.80	1.19
Hr. of Max	18	18	18	18	21	21	21	20	23
Min	18.4	19.0	19.4	19.7	-.80	-1.13	-1.19	-.35	-.52
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/17/2015

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	17.9	19.4	18.2	22.8	95.7	98.3	15.2	16.7	0.013152
01:00	17.9	19.2	18.3	22.6	95.6	98.6	15.3	16.5	0.013178
02:00	17.9	19.1	18.2	22.5	96.1	98.6	15.3	16.4	0.013201
03:00	17.5	18.6	17.9	22.3	96.2	98.7	14.9	15.9	0.012889
04:00	17.5	18.4	17.8	22.2	96.9	98.7	14.9	15.7	0.012881
05:00	17.7	18.9	18.0	22.1	96.8	98.6	15.1	16.2	0.012985
06:00	18.0	18.9	18.3	22.0	97.2	98.6	15.3	16.2	0.013239
07:00	18.7	19.1	18.9	21.8	97.6	98.7	16.0	16.4	0.013803
08:00	19.3	19.4	19.6	21.8	97.5	98.2	16.6	16.7	0.014404
09:00	19.3	19.2	19.8	21.7	93.7	94.3	16.5	16.5	0.014362
10:00	18.5	18.0	19.6	21.7	82.7	82.3	15.7	15.3	0.013652
11:00	17.8	17.3	19.4	21.8	76.0	75.7	15.0	14.6	0.013051
12:00	17.7	17.3	19.6	22.0	72.5	72.7	14.9	14.5	0.013029
13:00	18.1	17.7	20.2	22.2	70.2	71.3	15.2	14.9	0.013378
14:00	18.3	18.1	20.6	22.5	67.5	69.5	15.4	15.2	0.013588
15:00	18.8	18.6	21.0	22.8	68.5	70.4	15.9	15.6	0.014012
16:00	19.0	18.8	21.0	23.0	71.0	72.2	16.0	15.9	0.014151
17:00	18.6	18.4	20.7	23.2	69.3	71.0	15.6	15.5	0.013804
18:00	18.7	18.6	21.0	23.3	66.9	68.6	15.7	15.7	0.013898
19:00	19.4	19.0	21.1	23.4	75.3	73.0	16.4	16.1	0.014503
20:00	19.5	19.2	20.4	23.4	86.5	80.5	16.6	16.3	0.014564
21:00	18.9	19.3	19.5	23.3	91.4	87.5	16.1	16.5	0.014027
22:00	18.7	19.5	19.2	23.2	93.0	91.0	16.0	16.7	0.01385
23:00	18.7	19.5	19.1	23.1	93.8	93.4	15.9	16.7	0.013818
Avg	18.4	18.7	19.5	22.5	85.3	85.9	15.6	15.9	0.013642
Max	19.5	19.5	21.1	23.4	97.6	98.7	16.6	16.7	0.014564
Hr. of Max	20	23	19	20	07	07	20	23	20
Min	17.5	17.3	17.8	21.7	66.9	68.6	14.9	14.5	0.012881
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)

5/17/2015

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	0.014479	20.5	22.6	.00	29.28	991.4	-1.0	.00	358.7
01:00	0.014303	20.6	22.3	.00	29.27	991.1	-1.4	.00	355.8
02:00	0.014198	20.6	22.1	.00	29.25	990.6	-3.4	.00	290.1
03:00	0.013763	20.1	21.4	.00	29.24	990.2	-2.8	.00	234.0
04:00	0.013626	20.1	21.2	.00	29.24	990.4	-2.0	.00	195.5
05:00	0.014004	20.3	21.8	.00	29.27	991.2	-2.9	.00	206.9
06:00	0.014072	20.7	21.9	.03	29.30	992.1	-.5	.00	200.5
07:00	0.014215	21.6	22.2	.00	29.32	992.9	27.1	.04	352.3
08:00	0.01445	22.5	22.6	.01	29.34	993.5	74.8	.11	193.5
09:00	0.014285	22.4	22.3	.01	29.34	993.6	184.4	.26	117.9
10:00	0.013268	21.3	20.7	.00	29.33	993.4	442.1	.63	172.1
11:00	0.012713	20.4	19.9	.00	29.33	993.4	355.2	.51	174.5
12:00	0.012688	20.4	19.9	.00	29.34	993.6	374.9	.54	196.2
13:00	0.013055	20.9	20.4	.00	29.34	993.4	615.8	.87 +	193.6
14:00	0.013344	21.2	20.9	.00	29.32	993.0	562.0	.81	218.4
15:00	0.013763	21.9	21.5	.00	29.30	992.3	532.7	.76	182.8
16:00	0.013985	22.1	21.8	.00	29.28	991.7	351.0	.50	178.9
17:00	0.013688	21.5	21.3	.00	29.27	991.2	348.9	.50	173.5
18:00	0.013832	21.7	21.6	.00	29.26	990.9	316.2	.45	173.6
19:00	0.014197	22.6	22.1	.00	29.27	991.2	71.1	.10	207.2
20:00	0.014339	22.7	22.3	.00	29.28	991.5	7.1	.01	268.7
21:00	0.014452	21.9	22.5	.00	29.29	992.0	-3.3	.00	290.8
22:00	0.014544	21.6	22.7	.00	29.31	992.5	-3.0	.00	336.9
23:00	0.014542	21.6	22.7	.00	29.31	992.6	-1.4	.00	8.3
Avg	0.013909	21.3	21.7	.00	29.30	992.1	176.7	.25	213.0
Max	0.014544	22.7	22.7	.03	29.34	993.6	615.8	.87	358.7
Hr. of Max	22	20	23	06	13	12	13	13	00
Min	0.012688	20.1	19.9	.00	29.24	990.2	-3.4	.00	8.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/17/2015

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	64.3	36.9	346.8	30.5	45.5	15.8	7.7	.3	.7
01:00	62.5	55.9	325.3	50.1	45.1	53.9	22.6	.4	.6
02:00	326.2	215.4	288.9	217.6	33.1	56.1	33.7	.4	.1
03:00	242.1	257.0	238.6	258.4	9.0	42.3	9.4	1.9	1.3
04:00	242.5	267.9	207.0	269.7	30.1	19.6	10.9	1.0	2.4
05:00	249.8	266.3	212.7	267.8	19.6	17.9	12.3	1.4	3.2
06:00	219.3	252.9	212.5	254.2	29.8	18.4	14.4	.9	1.8
07:00	82.7	211.3	342.5	220.2	51.1	36.9	45.4	.4	.4
08:00	171.8	257.1	202.5	259.5	58.5	54.4	33.3	.1	.1
09:00	120.9	123.6	120.7	121.6	44.0	37.4	25.5	1.2	1.5
10:00	172.4	173.2	177.7	173.5	37.0	30.2	25.3	2.9	3.7
11:00	185.7	184.9	181.7	184.4	31.0	26.9	26.5	2.6	3.2
12:00	210.9	206.9	203.4	208.0	37.2	31.0	25.8	2.9	3.5
13:00	198.5	194.8	199.6	195.9	30.4	26.4	24.0	3.2	3.9
14:00	224.1	221.9	222.4	223.4	34.9	26.8	22.2	4.1	5.2
15:00	193.9	192.9	188.4	194.2	32.4	28.3	23.9	4.1	5.2
16:00	181.7	178.3	185.0	179.3	29.6	22.7	20.7	4.6	6.1
17:00	171.3	165.3	175.4	165.8	43.4	36.3	31.7	3.3	4.3
18:00	181.4	180.7	180.5	181.1	23.7	18.0	17.4	4.7	5.7
19:00	201.6	198.8	211.5	200.3	26.2	18.0	13.9	1.5	3.1
20:00	203.9	185.7	267.7	186.9	23.0	12.9	7.0	.7	1.6
21:00	247.0	212.7	280.8	214.9	40.1	49.7	6.1	.6	1.8
22:00	50.0	222.7	339.7	225.5	38.9	48.6	52.1	.5	.8
23:00	20.3	219.8	14.6	229.8	42.2	43.4	50.1	.3	.2
Avg	192.0	206.0	222.0	209.0	34.8	32.2	23.4	.0	.0
Max	326.2	267.9	346.8	269.7	58.5	56.1	52.1	4.7	6.1
Hr. of Max	02	04	00	04	08	02	22	18	16
Min	20.3	36.9	14.6	30.5	9.0	12.9	6.1	.1	.1
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)

5/17/2015

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	1.5	.5	.8	1.6	.8	1.9	2.3	1.6	.03
01:00	.7	.5	.7	.8	.8	1.3	1.7	-.3	.02
02:00	.9	1.0	.7	1.2	1.4	1.6	1.9	.5	.02
03:00	2.6	1.9	1.3	2.6	2.3	2.9	-.3	1.8	-.03
04:00	4.8	1.1	2.6	4.9	1.6	5.1	-.1	4.1	.00
05:00	4.8	1.5	3.4	4.9	2.0	5.2	1.9	2.8	.06
06:00	3.0	.9	1.9	3.1	1.4	3.4	1.6	1.9	.02
07:00	.8	.6	.7	.9	.9	1.2	2.0	-1.4	.03
08:00	.6	.3	.3	.6	.7	1.0	4.7	1.3	.09
09:00	1.6	1.5	1.6	1.7	2.1	2.3	5.2	3.3	.18
10:00	4.4	3.4	4.1	4.8	4.0	5.3	1.6	-.6	.04
11:00	3.7	3.0	3.6	4.1	3.5	4.6	.2	-.5	-.09
12:00	4.1	3.3	3.9	4.4	3.8	4.8	-1.6	-.8	-.11
13:00	4.6	3.6	4.3	5.0	4.3	5.5	1.0	1.5	-.03
14:00	5.8	4.8	5.8	6.2	5.3	6.8	.5	2.6	-.13
15:00	6.2	4.7	5.8	6.7	5.3	7.2	2.4	2.1	.14
16:00	7.1	5.4	6.7	7.5	6.1	8.0	.1	-1.3	-.14
17:00	4.8	4.0	4.9	5.3	4.8	5.9	5.3	4.3	.22
18:00	6.5	5.0	6.0	6.7	5.6	7.1	1.0	-2.3	-.05
19:00	4.5	1.7	3.4	4.7	2.2	5.0	1.4	.4	-.02
20:00	3.5	.8	1.8	3.6	1.2	3.8	.0	1.7	.00
21:00	3.6	.7	2.0	3.6	1.0	4.0	1.5	1.4	.02
22:00	.3	.7	1.1	.7	1.0	1.1	1.3	-1.2	.02
23:00	1.2	1.2	1.5	1.4	1.6	1.9	2.5	2.1	.04
Avg	.0	2.2	2.9	3.6	2.7	4.0	1.6	1.0	.01
Max	7.1	5.4	6.7	7.5	6.1	8.0	5.3	4.3	.22
Hr. of Max	16	16	16	16	16	16	17	17	17
Min	.3	.3	.3	.6	.7	1.0	-1.6	-2.3	-.14
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/17/2015

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	.06	2.7	3.0	4.8	2.1	3.3	6.7	4.9
01:00	.01	3.4	3.2	3.0	3.5	3.1	9.0	9.2
02:00	.01	3.4	2.7	4.1	3.5	5.0	8.2	15.3
03:00	.09	3.7	3.7	5.7	3.8	6.2	4.4	5.3
04:00	.32	4.4	6.6	9.4	4.2	10.4	12.1	8.1
05:00	.20	5.7	8.7	13.5	4.8	11.9	9.8	8.4
06:00	.09	2.5	4.1	6.0	2.8	6.7	8.4	8.0
07:00	-.02	3.4	5.0	5.5	2.5	4.2	9.3	10.1
08:00	.03	1.8	2.3	3.4	2.1	3.3	19.1	13.5
09:00	.15	5.3	5.5	4.6	5.3	5.2	19.0	21.3
10:00	-.22	10.1	10.1	10.8	12.6	11.9	18.6	18.5
11:00	-.29	10.5	9.8	10.5	10.2	10.9	20.3	20.9
12:00	-.13	10.3	8.7	9.2	10.5	10.2	18.4	17.7
13:00	.02	10.3	10.1	11.9	12.0	12.8	20.2	18.2
14:00	.19	11.4	11.9	13.7	11.0	12.5	17.8	16.4
15:00	.11	12.1	14.7	14.7	12.8	15.4	18.9	14.4
16:00	-.35	14.7	14.4	16.0	17.0	16.4	17.2	15.2
17:00	.09	12.4	13.3	13.5	13.1	13.6	22.4	22.6
18:00	-.39	11.7	14.4	19.5	13.7	15.1	15.4	13.8
19:00	-.03	8.9	10.8	9.8	8.4	9.7	16.5	9.9
20:00	.11	3.0	8.7	9.4	3.4	7.3	10.6	5.1
21:00	.09	4.6	6.0	12.4	3.3	7.6	7.6	3.4
22:00	-.02	2.3	2.3	2.7	2.5	3.3	7.2	14.5
23:00	.04	3.0	2.7	5.0	3.4	5.4	10.7	17.0
Avg	.01	6.7	7.6	9.1	7.0	8.8	13.7	13.0
Max	.32	14.7	14.7	19.5	17.0	16.4	22.4	22.6
Hr. of Max	04	16	15	18	16	16	17	17
Min	-.39	1.8	2.3	2.7	2.1	3.1	4.4	3.4
Count	24	24	24	24	24	24	24	24
Total								