Date Printed: 05/16/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/15/2015

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	20.0	21.9	22.1	22.2	1.88	2.05	2.16	.17	.28
01:00	18.7	21.0	21.5	21.8	2.28	2.80	3.01	.52	.73
02:00	18.7	20.7	21.3	21.6	2.04	2.62	2.92	.58	.88
03:00	18.5	20.9	21.1	21.3	2.40	2.60	2.84	.20	.44
04:00	17.5	19.8	20.3	20.7	2.24	2.83	3.16	.58	.91
05:00	16.4	18.4	19.6	20.3	1.96	3.21	3.84	1.26	1.89
06:00	16.7	18.1	19.4	20.3	1.37	2.69	3.56	1.33	2.19
07:00	18.1	18.9	19.9	20.4	.88	1.81	2.31	.93	1.43
08:00	20.3	20.3	20.3	20.4	.00	-.01	.13	-.01	.13
09:00	22.2	21.7	21.5	21.5	-.50	-.73	-.77	-.23	-.27
10:00	23.9	23.2	22.9	22.8	-.66	-.98	-1.09	-.32	-.43
11:00	24.7	24.0	23.6	23.5	-.73	-1.10	-1.24	-.37	-.51
12:00	25.9	24.8	24.4	24.2	-1.12	-1.53	-1.69	-.41	-.57
13:00	27.0	25.6	25.2	25.0	-1.39	-1.82	-2.00	-.43	-.61
14:00	27.5	26.1	25.8	25.7	-1.33	-1.67	-1.79	-.34	-.46
15:00	27.5	26.5	26.2	26.1	-.96	-1.29	-1.44	-.34	-.48
16:00	26.6	26.1	25.9	25.8	-.48	-.70	-.75	-.22	-.27
17:00	23.7	23.1	22.8	22.8	-.59	-.89	-.88	-.29	-.29
18:00	22.6	22.2	21.9	21.8	-.46	-.75	-.86	-.29	-.39
19:00	23.5	23.2	22.9	22.9	-.31	-.52	-.55	-.21	-.24
20:00	21.9	22.3	22.3	22.5	.41	.48	.66	.07	.25
21:00	19.9	21.2	21.6	22.0	1.34	1.75	2.12	.40	.78
22:00	19.0	20.4	20.8	21.0	1.34	1.76	2.01	.43	.67
23:00	18.3	19.6	20.3	20.8	1.29	2.04	2.55	.75	1.25
Avg	21.6	22.1	22.2	22.4	.45	.61	.76	.16	.30
Max	27.5	26.5	26.2	26.1	2.40	3.21	3.84	1.33	2.19
Hr. of Max	15	15	15	15	03	05	05	06	06
Min	16.4	18.1	19.4	20.3	-1.39	-1.82	-2.00	-.43	-.61
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/15/2015

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	14.4	13.4	16.2	23.1	71.3	59.6	12.1	11.4	0.010483
01:00	14.3	13.3	15.8	22.9	76.7	62.4	12.1	11.3	0.010418
02:00	14.3	13.2	15.7	22.8	77.0	63.2	12.1	11.2	0.010412
03:00	14.3	13.6	15.7	22.6	77.7	64.4	12.1	11.6	0.010405
04:00	14.1	13.9	15.3	22.4	82.1	70.3	12.1	11.8	0.010327
05:00	13.9	14.1	14.7	22.3	86.3	77.3	11.9	12.0	0.010134
06:00	14.1	14.3	15.0	22.1	86.1	80.2	12.1	12.2	0.01029
07:00	15.0	14.5	16.0	21.9	83.9	76.8	12.7	12.3	0.010905
08:00	15.5	14.9	17.1	21.8	75.4	72.7	13.0	12.6	0.01125
09:00	15.4	15.1	17.7	21.7	66.8	67.5	12.9	12.7	0.011225
10:00	15.7	15.4	18.4	21.8	61.3	62.9	13.1	12.9	0.011413
11:00	16.1	15.9	19.0	22.0	60.2	61.9	13.4	13.2	0.01176
12:00	16.0	15.8	19.3	22.2	55.9	58.9	13.3	13.2	0.011729
13:00	16.2	16.0	19.8	22.6	52.8	56.8	13.4	13.3	0.011839
14:00	16.4	16.3	20.1	23.2	52.3	56.1	13.6	13.5	0.012046
15:00	16.1	16.1	19.9	23.7	51.2	54.0	13.3	13.3	0.011832
16:00	16.8	16.7	20.0	23.9	56.4	57.7	13.9	13.9	0.012338
17:00	16.5	16.3	18.9	24.1	65.5	67.2	13.8	13.7	0.012086
18:00	17.9	17.7	19.4	24.1	76.3	77.8	15.1	15.0	0.013188
19:00	17.9	17.9	19.8	24.1	72.9	74.2	15.1	15.1	0.013255
20:00	18.1	18.2	19.3	24.1	81.1	79.6	15.3	15.4	0.013363
21:00	17.4	17.9	18.2	24.0	87.6	83.2	14.8	15.1	0.012789
22:00	16.8	17.9	17.5	23.8	88.8	87.8	14.2	15.2	0.012288
23:00	16.4	18.1	17.0	23.6	90.9	93.4	13.9	15.4	0.011976
Avg	15.8	15.7	17.7	23.0	72.4	69.4	13.3	13.2	0.011573
Max	18.1	18.2	20.1	24.1	90.9	93.4	15.3	15.4	0.013363
Hr. of Max	20	20	14	20	23	23	20	23	20
Min	13.9	13.2	14.7	21.7	51.2	54.0	11.9	11.2	0.010134
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/15/2015

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	0.009847	16.4	15.5	.00	29.29	991.8	-1.3	.00	249.6
01:00	0.009771	16.3	15.3	.00	29.29	992.0	-.8	.00	271.6
02:00	0.009707	16.3	15.2	.00	29.29	991.8	-1.7	.00	226.8
03:00	0.010005	16.3	15.7	.00	29.27	991.3	-3.6	-.01	247.0
04:00	0.010178	16.2	16.0	.00	29.28	991.5	-3.7	-.01	224.9
05:00	0.010277	15.9	16.1	.00	29.29	991.9	-3.7	-.01	190.8
06:00	0.01045	16.1	16.4	.00	29.30	992.3	2.9	.00	68.6
07:00	0.010549	17.1	16.6	.00	29.32	993.0	50.4	.07	169.4
08:00	0.01085	17.6	17.0	.00	29.33	993.4	86.4	.12	236.0
09:00	0.011003	17.6	17.3	.00	29.34	993.7	370.0	.53	226.9
10:00	0.011235	17.9	17.6	.00	29.34	993.6	468.7	.67	228.1
11:00	0.011566	18.4	18.1	.00	29.34	993.7	517.4	.74	224.4
12:00	0.011568	18.4	18.1	.00	29.34	993.6	834.0	1.20	225.0
13:00	0.011733	18.5	18.4	.00	29.32	992.9	878.4	1.26	221.8
14:00	0.011955	18.8	18.7	.00	29.29	991.8	827.7	1.19	218.4
15:00	0.011799	18.5	18.4	.00	29.26	991.0	556.1	.80	233.2
16:00	0.012269	19.3	19.2	.00	29.24	990.3	205.3	.29	244.6
17:00	0.011967	18.9	18.7	.00	29.24	990.3	315.9	.45	201.1
18:00	0.013078	20.6	20.4	.00	29.24	990.2	268.1	.38	193.1
19:00	0.013249	20.7	20.7	.00	29.24	990.2	138.2	.20	235.2
20:00	0.013464	20.8	21.0	.00	29.25	990.5	5.1	.01	242.5
21:00	0.01319	20.0	20.6	.00	29.26	991.0	-3.6	-.01	231.9
22:00	0.013201	19.2	20.6	.00	29.28	991.5	-1.9	.00	300.4
23:00	0.013343	18.7	20.8	.00	29.30	992.2	-.8	.00	304.8
Avg	0.011511	18.1	18.0	.00	29.29	991.9	229.3	.33	230.0
Max	0.013464	20.8	21.0	.00	29.34	993.7	878.4	1.26	304.8
Hr. of Max	20	20	20	23	12	11	13	13	23
Min	0.009707	15.9	15.2	.00	29.24	990.2	-3.7	-.01	68.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/15/2015

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	235.8	215.8	252.4	217.5	16.6	16.4	14.2	2.2	3.6
01:00	245.1	221.1	273.0	222.8	17.0	7.5	9.3	1.0	2.3
02:00	244.8	236.7	230.1	238.4	12.8	6.7	5.5	1.6	2.9
03:00	246.5	232.0	251.5	234.4	14.6	8.3	5.2	2.3	4.4
04:00	240.1	228.2	225.4	230.4	36.2	7.9	5.3	1.0	3.3
05:00	244.8	238.7	203.1	240.3	39.7	13.2	5.2	.2	2.4
06:00	232.3	224.2	83.2	226.2	34.2	40.1	7.7	.2	1.6
07:00	223.8	211.5	181.7	213.6	33.9	15.5	7.6	.6	3.1
08:00	232.2	220.8	239.7	223.1	18.0	12.0	9.5	2.0	3.9
09:00	228.4	223.8	232.0	225.6	22.6	17.6	13.9	4.0	5.6
10:00	230.3	227.4	233.5	229.3	25.2	18.9	15.7	4.9	6.8
11:00	232.0	228.6	230.6	230.5	28.8	22.1	18.1	4.7	6.8
12:00	230.2	228.0	230.3	229.7	28.1	20.4	17.7	6.4	8.8
13:00	224.0	221.0	227.1	223.1	30.4	23.4	20.0	5.8	7.9
14:00	226.4	223.4	225.7	226.2	26.8	27.3	23.8	5.0	6.3
15:00	237.1	234.8	239.6	236.8	25.5	18.4	15.3	5.4	7.4
16:00	248.3	242.7	249.8	244.1	26.2	24.0	19.3	3.6	5.4
17:00	205.1	201.7	206.7	203.6	24.3	22.7	20.3	5.1	6.7
18:00	203.7	208.3	199.7	210.1	26.3	23.2	21.7	3.5	4.2
19:00	238.0	237.1	239.2	238.8	23.8	17.3	13.8	2.9	4.7
20:00	247.4	242.7	247.2	244.2	12.9	8.6	5.8	3.2	5.6
21:00	233.3	237.8	236.2	239.5	15.1	9.9	5.2	1.8	3.4
22:00	216.2	190.8	297.8	192.2	47.2	33.9	24.9	.6	1.0
23:00	285.2	211.2	292.3	212.2	38.2	34.0	13.9	.2	.0
Avg	234.0	224.0	235.0	226.0	26.0	18.7	13.3	.0	.0
Max	285.2	242.7	297.8	244.2	47.2	40.1	24.9	6.4	8.8
Hr. of Max	23	20	22	20	22	06	22	12	12
Min	203.7	190.8	83.2	192.2	12.8	6.7	5.2	.2	.0
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)

5/15/2015

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	4.6	2.3	3.8	4.8	2.8	5.2	-1.2	-.5	-.13
01:00	3.5	1.2	2.3	3.6	1.6	4.0	1.0	-.3	.01
02:00	4.8	1.7	3.0	4.9	2.1	5.3	1.1	1.4	.04
03:00	6.2	2.4	4.5	6.3	2.9	6.8	-.8	.7	-.05
04:00	5.7	1.1	3.4	5.8	1.5	6.2	2.5	1.4	.06
05:00	5.6	.2	2.5	5.6	.6	6.1	3.1	2.6	.04
06:00	5.0	.3	1.7	5.0	.7	5.5	3.7	1.3	.05
07:00	5.5	.9	3.2	5.6	1.4	6.0	.9	.1	-.01
08:00	5.8	2.1	4.0	5.9	2.5	6.3	-.5	.0	-.08
09:00	6.8	4.4	5.9	7.0	4.9	7.7	-1.2	-.9	-.22
10:00	7.9	5.4	7.1	8.2	6.0	8.9	.4	1.2	-.16
11:00	8.4	5.4	7.4	8.8	6.0	9.6	1.2	1.2	-.11
12:00	10.4	7.2	9.4	10.9	7.9	11.7	.2	1.8	-.32
13:00	9.2	6.5	8.4	9.7	7.3	10.4	1.8	.9	-.04
14:00	7.2	5.7	6.9	7.7	6.3	8.4	-2.9	-2.6	-.46
15:00	8.8	5.9	7.7	9.1	6.6	9.8	-.7	-.8	-.26
16:00	6.8	4.0	5.8	7.1	4.7	7.7	-.8	2.3	-.27
17:00	8.5	5.9	7.6	9.3	6.5	9.9	1.6	2.1	.05
18:00	4.6	4.0	4.6	5.1	4.5	5.5	-1.8	-1.6	-.19
19:00	5.9	3.2	4.9	6.1	3.6	6.6	-1.4	1.4	-.22
20:00	7.8	3.3	5.7	7.9	3.7	8.3	-1.0	.9	-.10
21:00	5.3	1.9	3.6	5.3	2.3	5.7	.6	1.4	.01
22:00	2.0	1.1	1.3	2.3	1.4	2.6	2.4	1.0	.05
23:00	2.0	.3	.1	2.1	.6	2.4	2.5	-.4	.03
Avg	.0	3.2	4.8	6.4	3.7	6.9	.4	.6	-.10
Max	10.4	7.2	9.4	10.9	7.9	11.7	3.7	2.6	.06
Hr. of Max	12	12	12	12	12	12	06	05	04
Min	2.0	.2	.1	2.1	.6	2.4	-2.9	-2.6	-.46
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/15/2015

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	-.09	7.3	11.0	14.2	7.5	10.6	10.2	9.1
01:00	.00	3.4	6.0	7.3	3.7	8.0	7.1	5.3
02:00	.12	3.2	6.6	11.4	3.4	9.5	4.7	3.9
03:00	.07	4.6	7.6	9.8	5.4	10.7	5.7	3.3
04:00	.14	5.5	10.5	12.6	3.7	9.9	6.8	3.2
05:00	.27	1.6	5.3	8.9	2.2	9.6	11.0	4.0
06:00	.11	1.8	5.5	10.8	1.9	9.1	11.3	5.1
07:00	-.01	5.0	7.3	12.6	5.6	9.6	11.7	5.2
08:00	-.03	6.4	9.6	12.1	6.4	12.9	13.8	6.7
09:00	-.24	13.7	15.3	16.7	14.4	18.1	16.4	11.6
10:00	.07	14.2	16.5	16.7	14.2	18.3	18.3	12.0
11:00	.03	13.3	16.3	19.7	15.0	21.6	19.5	13.7
12:00	.06	17.6	19.2	32.3	19.0	21.2	18.9	13.7
13:00	-.04	16.0	17.9	20.2	18.6	21.8	18.4	14.9
14:00	-.44	13.3	18.5	17.6	14.6	16.1	16.6	15.2
15:00	-.23	15.3	16.0	16.0	15.3	18.9	16.9	11.8
16:00	.08	9.8	11.9	13.7	11.9	15.7	17.6	12.7
17:00	.25	20.6	22.4	25.0	20.9	25.8	16.8	12.3
18:00	-.18	16.7	15.6	19.7	14.6	13.7	15.6	15.9
19:00	.05	8.5	10.1	12.6	9.1	14.0	17.9	11.1
20:00	.11	14.7	16.7	15.6	8.7	12.6	9.3	4.3
21:00	.13	6.4	10.8	17.2	4.8	10.4	4.9	2.6
22:00	.02	3.7	6.9	10.1	2.7	6.2	8.0	9.2
23:00	-.03	1.4	1.6	5.7	1.6	6.1	7.7	8.2
Avg	.01	9.3	11.9	14.9	9.4	13.8	12.7	9.0
Max	.27	20.6	22.4	32.3	20.9	25.8	19.5	15.9
Hr. of Max	05	17	17	12	17	17	11	18
Min	-.44	1.4	1.6	5.7	1.6	6.1	4.7	2.6
Count	24	24	24	24	24	24	24	24
Total								