Date Printed: 07/10/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/9/2015

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	22.1	23.3	24.3	25.0	1.19	2.26	2.90	1.06	1.71
01:00	21.5	22.6	23.5	24.2	1.09	2.02	2.72	.93	1.62
02:00	20.9	22.0	22.9	23.6	1.12	1.98	2.73	.86	1.61
03:00	20.6	22.2	22.8	23.9	1.66	2.19	3.29	.53	1.62
04:00	20.4	21.7	22.7	23.3	1.30	2.26	2.87	.96	1.56
05:00	20.1	21.7	22.2	22.7	1.57	2.16	2.60	.59	1.03
06:00	20.0	21.2	21.8	22.5	1.25	1.82	2.49	.57	1.24
07:00	21.0	21.2	21.8	22.3	.19	.78	1.29	.59	1.10
08:00	23.4	23.2	23.0	23.1	-.20	-.37	-.25	-.17	-.05
09:00	26.0	25.5	25.3	25.2	-.43	-.71	-.81	-.29	-.38
10:00	27.7	27.2	26.8	26.7	-.55	-.91	-1.02	-.36	-.47
11:00	29.2	28.5	28.2	28.0	-.64	-1.00	-1.11	-.36	-.47
12:00	30.2	29.5	29.1	29.0	-.73	-1.11	-1.23	-.38	-.50
13:00	31.2	30.4	30.0	29.9	-.85	-1.18	-1.28	-.34	-.43
14:00	31.9	31.1	30.8	30.7	-.74	-1.10	-1.17	-.36	-.43
15:00	32.4	31.7	31.3	31.2	-.74	-1.11	-1.23	-.37	-.49
16:00	32.5	31.9	31.6	31.5	-.53	-.88	-.99	-.35	-.46
17:00	32.5	32.0	31.7	31.6	-.48	-.74	-.89	-.27	-.41
18:00	32.0	31.6	31.3	31.3	-.42	-.62	-.65	-.20	-.24
19:00	29.0	30.2	30.4	30.5	1.13	1.32	1.50	.19	.37
20:00	26.6	28.2	28.8	29.2	1.65	2.16	2.63	.51	.99
21:00	24.6	26.3	27.3	28.0	1.69	2.73	3.40	1.04	1.71
22:00	23.5	25.3	26.0	26.8	1.79	2.50	3.26	.71	1.47
23:00	22.7	24.4	25.1	25.9	1.67	2.36	3.17	.69	1.49
Avg	25.9	26.4	26.6	26.9	.46	.70	1.01	.24	.55
Max	32.5	32.0	31.7	31.6	1.79	2.73	3.40	1.06	1.71
Hr. of Max	17	17	17	17	22	21	21	00	21
Min	20.0	21.2	21.8	22.3	-.85	-1.18	-1.28	-.38	-.50
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/9/2015

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	20.5	21.1	21.0	27.0	93.2	89.9	17.8	18.3	0.015605
01:00	20.1	20.7	20.6	26.8	94.0	91.3	17.4	17.9	0.015204
02:00	19.6	20.7	20.0	26.5	94.2	94.7	16.8	18.0	0.014703
03:00	19.3	20.5	19.7	26.2	94.7	92.0	16.6	17.7	0.014471
04:00	19.2	20.2	19.6	26.0	94.6	93.1	16.4	17.4	0.014324
05:00	18.8	20.1	19.3	25.7	94.7	93.3	16.1	17.4	0.014021
06:00	18.8	20.0	19.2	25.5	95.0	94.9	16.1	17.2	0.013956
07:00	19.6	19.8	20.1	25.3	93.9	94.2	16.9	17.1	0.014712
08:00	20.5	20.1	21.4	25.1	85.9	85.2	17.6	17.3	0.015541
09:00	20.9	20.5	22.6	25.0	75.6	75.6	18.0	17.5	0.015965
10:00	21.1	20.6	23.3	25.0	69.3	69.0	18.2	17.6	0.016246
11:00	21.2	20.6	23.8	25.3	64.1	64.1	18.2	17.6	0.016325
12:00	21.1	20.5	24.2	25.9	60.2	60.4	18.1	17.4	0.016308
13:00	20.7	20.1	24.2	26.6	55.5	56.1	17.6	17.0	0.015893
14:00	19.5	19.0	23.6	27.3	49.7	50.2	16.3	15.9	0.014785
15:00	19.2	18.7	23.6	27.7	47.2	47.5	16.0	15.5	0.014496
16:00	18.5	17.9	23.1	27.9	45.0	44.8	15.3	14.8	0.013879
17:00	18.0	17.6	22.8	28.1	43.8	43.7	14.9	14.5	0.013499
18:00	19.1	18.8	23.4	28.3	48.1	48.2	15.9	15.6	0.014419
19:00	21.3	20.0	23.9	28.4	65.0	56.3	18.3	16.9	0.016456
20:00	21.7	20.6	23.3	28.4	76.6	65.3	18.8	17.6	0.016836
21:00	21.0	20.7	22.2	28.3	82.6	73.2	18.2	17.7	0.016147
22:00	20.9	20.9	21.8	28.0	87.6	78.8	18.2	18.1	0.016037
23:00	20.6	20.7	21.3	27.8	90.1	81.7	17.9	17.8	0.015719
Avg	20.1	20.0	22.0	26.8	75.0	72.6	17.2	17.1	0.015231
Max	21.7	21.1	24.2	28.4	95.0	94.9	18.8	18.3	0.016836
Hr. of Max	20	00	13	20	06	06	20	00	20
Min	18.0	17.6	19.2	25.0	43.8	43.7	14.9	14.5	0.013499
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/9/2015

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	0.016178	24.2	25.1	.00	29.20	989.0	-2.5	.00	281.9
01:00	0.015789	23.6	24.5	.00	29.20	988.9	-1.9	.00	260.5
02:00	0.015823	22.8	24.5	.00	29.20	988.8	-2.4	.00	259.3
03:00	0.015557	22.5	24.1	.00	29.19	988.6	-3.0	.00	247.0
04:00	0.015274	22.3	23.7	.00	29.20	988.8	-1.5	.00	230.8
05:00	0.015225	21.8	23.6	.00	29.20	989.0	-2.9	.00	257.8
06:00	0.015067	21.7	23.4	.00	29.23	989.9	6.7	.01	231.6
07:00	0.014932	22.9	23.2	.00	29.25	990.6	88.6	.13	219.7
08:00	0.01523	24.1	23.7	.00	29.25	990.7	275.2	.39	225.6
09:00	0.015556	24.8	24.2	.00	29.26	990.9	518.5	.74	219.7
10:00	0.015669	25.2	24.3	.00	29.25	990.6	676.5	.97	209.5
11:00	0.015738	25.3	24.4	.00	29.25	990.4	823.2	1.18	216.1
12:00	0.01569	25.3	24.4	.00	29.24	990.2	905.2	1.30	216.0
13:00	0.015307	24.7	23.8	.00	29.22	989.6	957.2	1.37	216.3
14:00	0.01433	23.0	22.3	.00	29.21	989.1	975.0	1.40	218.1
15:00	0.014	22.5	21.8	.00	29.19	988.5	861.0	1.23	228.9
16:00	0.013389	21.6	20.8	.00	29.17	987.7	529.6	.76	227.5
17:00	0.013132	21.0	20.4	.00	29.16	987.5	489.1	.70	236.8
18:00	0.014107	22.4	21.9	.00	29.16	987.4	325.4	.47	239.4
19:00	0.015241	25.5	23.6	.00	29.16	987.5	181.9	.26	265.5
20:00	0.015814	26.0	24.5	.00	29.16	987.7	26.9	.04	275.5
21:00	0.015799	25.0	24.5	.00	29.18	988.1	-1.9	.00	264.7
22:00	0.016046	24.9	24.9	.00	29.20	988.8	-2.6	.00	246.4
23:00	0.015762	24.4	24.4	.00	29.20	988.9	-1.9	.00	243.8
Avg	0.015194	23.6	23.6	.00	29.21	989.1	317.5	.46	238.0
Max	0.016178	26.0	25.1	.00	29.26	990.9	975.0	1.40	281.9
Hr. of Max	00	20	00	23	09	09	14	14	00
Min	0.013132	21.0	20.4	.00	29.16	987.4	-3.0	.00	209.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/9/2015

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	245.4	232.5	276.9	234.5	17.4	8.6	5.0	.8	1.9
01:00	222.8	232.1	262.3	234.0	18.4	3.9	4.7	1.3	3.4
02:00	229.9	223.9	257.7	226.3	14.5	8.7	8.9	1.7	3.6
03:00	235.4	216.8	250.8	219.7	7.1	5.6	3.8	2.4	4.4
04:00	245.1	238.9	234.6	240.8	12.0	9.0	5.5	2.3	3.4
05:00	234.3	236.1	261.0	237.9	17.3	9.5	4.8	1.5	2.7
06:00	244.9	243.6	236.9	245.0	8.2	7.2	4.7	2.9	3.8
07:00	235.9	247.8	225.9	249.0	14.5	9.5	7.2	2.5	4.2
08:00	232.5	228.0	230.4	229.9	23.2	13.9	10.0	2.2	3.8
09:00	227.4	225.2	227.6	227.8	20.7	14.5	12.2	4.1	5.4
10:00	216.8	217.4	215.9	219.4	25.4	19.0	16.9	4.8	6.5
11:00	222.6	223.7	221.1	225.8	22.3	19.5	14.9	5.8	7.7
12:00	221.8	220.7	222.1 +	222.6	27.3	20.9	15.8	5.7	7.9
13:00	221.3	222.1	220.6	223.8	28.0	21.9	15.7	5.6	7.5
14:00	222.3	222.0	224.4	224.0	24.6	17.5	14.3	7.2	9.9
15:00	233.5	233.7	234.3	235.7	28.8	21.1	17.1	5.9	8.6
16:00	230.5	230.4	233.3	232.8	24.9	17.9	13.7	6.7	9.6
17:00	240.1	238.3	243.0	240.4	21.2	15.1	11.7	6.3	8.9
18:00	241.2	238.6	245.1	240.5	23.8	14.8	11.0	4.0	6.6
19:00	242.8	233.7	267.3	235.7	17.4	8.6	6.8	1.8	3.7
20:00	236.9	221.6	277.5	223.9	11.7	8.0	4.5	1.3	2.1
21:00	242.6	228.1	264.2	230.5	12.9	6.1	4.2	1.5	3.0
22:00	235.1	234.7	248.7	236.7	15.6	5.4	3.3	1.9	4.3
23:00	232.3	238.9	246.8	240.3	13.0	4.2	4.3	1.7	4.6
Avg	233.0	230.0	242.0	232.0	18.8	12.1	9.2	.0	.0
Max	245.4	247.8	277.5	249.0	28.8	21.9	17.1	7.2	9.9
Hr. of Max	00	07	20	07	15	13	15	14	14
Min	216.8	216.8	215.9	219.4	7.1	3.9	3.3	.8	1.9
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/9/2015

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	3.3	.9	1.9	3.4	1.2	3.7	.4	1.2	-.01
01:00	3.7	1.4	3.5	3.8	1.8	4.1	.5	2.9	.01
02:00	4.2	1.8	3.7	4.3	2.1	4.6	.0	.4	-.04
03:00	6.6	2.5	4.5	6.6	2.8	7.0	-.5	-.6	-.04
04:00	5.6	2.4	3.5	5.8	2.8	6.1	-1.0	.7	-.06
05:00	4.3	1.7	2.8	4.3	2.0	4.6	.1	1.5	.00
06:00	5.7	2.9	3.8	5.7	3.3	6.1	-1.0	1.2	-.07
07:00	5.5	2.6	4.3	5.6	2.9	5.9	-.1	1.2	-.04
08:00	5.5	2.4	3.9	5.6	2.9	6.0	.1	-.8	-.10
09:00	6.3	4.3	5.6	6.4	5.0	6.9	-1.9	-3.6	-.27
10:00	7.5	5.3	6.9	7.8	5.8	8.4	-.7	-1.5	-.27
11:00	9.1	6.3	8.1	9.5	6.9	10.2	-.5	-.6	-.26
12:00	9.2	6.3	8.5	9.6	7.0	10.3	.7	.6	-.15
13:00	9.3	6.2	8.0	9.6	6.8	10.3	1.0	.5	-.10
14:00	11.5	7.9	10.3	11.8	8.7	12.6	-1.2	.2	-.40
15:00	10.3	6.7	9.3	10.8	7.4	11.5	.8	1.5	-.22
16:00	11.4	7.2	10.0	11.8	8.0	12.6	-1.2	-.4	-.41
17:00	10.9	6.7	9.2	11.1	7.5	11.8	-1.4	-.4	-.46
18:00	8.2	4.3	6.7	8.4	4.9	8.9	.0	.8	-.19
19:00	5.3	2.0	3.8	5.3	2.3	5.7	-2.7	1.0	-.15
20:00	3.3	1.4	2.1	3.3	1.6	3.6	.6	.2	.01
21:00	5.0	1.7	3.0	5.0	1.9	5.3	.8	1.6	.01
22:00	6.0	2.0	4.3	6.0	2.5	6.4	-.5	1.9	-.04
23:00	5.6	1.7	4.6	5.6	2.1	6.0	.3	2.4	-.01
Avg	.0	3.7	5.5	7.0	4.2	7.4	-.3	.5	-.14
Max	11.5	7.9	10.3	11.8	8.7	12.6	1.0	2.9	.01
Hr. of Max	14	14	14	16	14	16	13	01	21
Min	3.3	.9	1.9	3.3	1.2	3.6	-2.7	-3.6	-.46
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/9/2015

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	3.0	3.7	7.3	3.5	5.4	6.3	2.3
01:00	.20	2.7	7.6	9.8	3.2	5.5	6.3	2.4
02:00	.02	4.6	6.2	6.4	5.2	6.8	6.0	2.1
03:00	-.07	4.1	8.2	11.7	4.6	9.7	4.1	1.6
04:00	.06	7.1	8.9	12.4	4.4	8.8	4.3	3.1
05:00	.12	6.2	5.5	10.3	3.9	6.7	5.3	2.1
06:00	.12	6.2	7.6	11.7	5.5	7.8	3.8	2.4
07:00	.11	6.6	11.4	8.9	5.1	8.5	9.7	3.5
08:00	-.12	6.4	8.7	10.8	7.0	10.1	18.2	7.8
09:00	-.48	9.2	13.7	13.1	11.1	14.0	16.8	10.9
10:00	-.35	12.1	13.5	14.0	12.7	17.0	17.8	12.5
11:00	-.19	14.4	15.8	18.1	15.3	19.6	17.0	11.3
12:00	-.02	13.5	16.5	16.5	15.4	17.5	17.9	11.9
13:00	-.10	16.0	17.2	21.3	18.5	18.7	18.4	12.3
14:00	-.12	17.6	20.4	19.7	20.3	21.2	15.7	10.2
15:00	.06	15.3	24.5	22.9	16.5	19.5	18.5	11.4
16:00	-.23	18.3	20.2	21.5	17.8	23.2	16.2	9.3
17:00	-.24	19.2	22.9	26.3	17.9	20.0	15.0	8.3
18:00	.04	11.7	14.4	17.6	13.9	16.0	17.1	7.8
19:00	.11	10.3	8.7	14.4	6.2	11.0	10.3	4.7
20:00	.01	2.5	4.6	6.4	2.5	5.1	5.6	2.0
21:00	.17	3.7	4.8	6.6	4.0	7.0	4.9	2.0
22:00	.20	4.8	8.7	11.2	4.3	8.1	6.7	1.8
23:00	.25	4.4	7.8	12.8	4.2	7.5	5.2	2.4
Avg	-.02	9.2	11.7	13.8	9.3	12.3	11.1	6.1
Max	.25	19.2	24.5	26.3	20.3	23.2	18.5	12.5
Hr. of Max	23	17	15	17	14	16	15	10
Min	-.48	2.5	3.7	6.4	2.5	5.1	3.8	1.6
Count	24	24	24	24	24	24	24	24
Total								