Date Printed: 08/17/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/16/2016

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	22.6	22.8	22.8	22.9	.22	.26	.38	.05	.16
01:00	22.1	22.5	22.6	22.7	.40	.42	.54	.02	.14
02:00	21.9	22.4	22.5	22.5	.47	.51	.60	.05	.13
03:00	21.8	22.2	22.2	22.4	.37	.40	.61	.03	.24
04:00	21.5	21.9	22.1	22.3	.42	.57	.75	.15	.34
05:00	21.4	21.9	22.0	22.0	.53	.60	.66	.07	.13
06:00	21.5	21.8	21.8	21.8	.37	.36	.38	-.01	.00
07:00	21.6	21.8	21.8	21.8	.23	.23	.25	.00	.02
08:00	22.3	22.1	21.9	21.9	-.25	-.42	-.44	-.17	-.18
09:00	24.5	24.0	23.6	23.6	-.54	-.87	-.93	-.32	-.39
10:00	27.2	26.6	26.2	26.1	-.61	-.94	-1.05	-.34	-.45
11:00	29.4	28.5	28.2	28.0	-.83	-1.18	-1.32	-.35	-.49
12:00	30.8	29.9	29.6	29.4	-.94	-1.26	-1.39	-.32	-.45
13:00	32.3	31.2	30.9	30.8	-1.06	-1.42	-1.54	-.36	-.48
14:00	33.2	32.2	31.9	31.8	-1.00	-1.33	-1.42	-.34	-.42
15:00	34.2	33.2	32.8	32.7	-.99	-1.32	-1.45	-.34	-.46
16:00	34.3	33.5	33.1	33.0	-.83	-1.19	-1.35	-.36	-.52
17:00	34.3	33.5	33.2	33.0	-.73	-1.08	-1.25	-.35	-.52
18:00	33.0	33.0	32.8	32.7	-.01	-.19	-.24	-.18	-.23
19:00	28.9	31.0	31.3	31.5	2.04	2.37	2.59	.33	.55
20:00	27.8	28.9	28.9	29.1	1.05	1.13	1.29	.07	.24
21:00	25.4	27.1	27.6	27.9	1.65	2.20	2.50	.55	.85
22:00	25.9	26.3	26.5	26.6	.41	.61	.70	.20	.29
23:00	25.0	25.1	25.0	25.0	.02	-.07	-.01	-.08	-.03
Avg	26.8	26.8	26.7	26.7	.02	-.07	-.05	-.08	-.06
Max	34.3	33.5	33.2	33.0	2.04	2.37	2.59	.55	.85
Hr. of Max	17	17	17	17	19	19	19	21	21
Min	21.4	21.8	21.8	21.8	-1.06	-1.42	-1.54	-.36	-.52
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/16/2016

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	21.3	21.7	21.7	28.7	95.1	96.1	18.6	19.0	0.016369
01:00	21.0	21.4	21.4	28.4	95.9	96.0	18.3	18.8	0.016099
02:00	20.9	21.3	21.2	28.2	96.3	95.9	18.2	18.6	0.015955
03:00	20.8	21.2	21.1	28.0	96.4	96.9	18.1	18.6	0.015835
04:00	20.5	21.1	20.9	27.8	96.6	97.3	17.8	18.4	0.015607
05:00	20.5	21.1	20.8	27.6	97.1	98.1	17.8	18.5	0.015532
06:00	20.6	21.3	20.9	27.4	97.3	99.2	17.9	18.6	0.015653
07:00	20.7	21.0	21.0	27.2	97.2	97.9	18.0	18.4	0.01574
08:00	21.2	21.2	21.6	27.0	96.0	97.6	18.6	18.6	0.01627
09:00	21.5	20.9	22.5	26.9	85.7	85.6	18.7	18.1	0.016519
10:00	21.3	20.5	23.3	26.8	72.4	71.3	18.4	17.5	0.016385
11:00	21.1	20.4	23.9	26.9	63.2	63.2	18.1	17.3	0.016251
12:00	20.8	20.1	24.1	27.1	56.9	57.5	17.7	17.0	0.015929
13:00	20.1	19.4	24.2	27.5	50.3	51.1	16.9	16.2	0.015313
14:00	19.7	19.2	24.2	27.9	46.8	47.7	16.5	16.0	0.014993
15:00	19.0	18.4	24.1	28.3	42.4	42.9	15.7	15.1	0.014344
16:00	18.7	18.0	23.9	28.6	41.0	41.1	15.4	14.8	0.014044
17:00	18.8	18.2	24.0	28.8	41.6	41.7	15.6	15.0	0.014207
18:00	19.7	18.7	24.1	29.0	47.5	44.5	16.4	15.5	0.014973
19:00	21.6	19.7	24.0	29.1	66.8	52.9	18.6	16.5	0.016768
20:00	20.8	19.8	23.1	29.1	67.6	59.8	17.8	16.7	0.015927
21:00	20.9	19.9	22.4	28.9	78.4	66.6	18.1	16.8	0.016046
22:00	20.3	20.0	22.2	28.8	73.6	70.0	17.4	17.0	0.01544
23:00	20.6	20.5	22.1	28.6	78.4	77.7	17.7	17.6	0.015675
Avg	20.5	20.2	22.6	28.0	74.2	72.9	17.6	17.3	0.015661
Max	21.6	21.7	24.2	29.1	97.3	99.2	18.7	19.0	0.016768
Hr. of Max	19	00	14	20	06	06	09	00	19
Min	18.7	18.0	20.8	26.8	41.0	41.1	15.4	14.8	0.014044
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/16/2016

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	0.016768	25.4	26.0	.00	29.27	991.1	-2.4	.00	32.0
01:00	0.016502	25.0	25.6	.00	29.27	991.1	-2.3	.00	19.6
02:00	0.016359	24.8	25.4	.00	29.26	991.0	-2.5	.00	35.7
03:00	0.016289	24.6	25.3	.00	29.26	990.8	-2.1	.00	21.0
04:00	0.016141	24.3	25.1	.00	29.26	990.9	-2.5	.00	33.5
05:00	0.016197	24.1	25.2	.00	29.27	991.2	-2.1	.00	23.3
06:00	0.01632	24.3	25.4	.00	29.28	991.6	-2.0	.00	25.5
07:00	0.016071	24.5	25.0	.00	29.29	992.1	26.2	.04	40.7
08:00	0.016286	25.3	25.3	.00	29.30	992.4	134.2	.19	38.5
09:00	0.015957	25.7	24.8	.00	29.30	992.4	479.8	.69	80.1
10:00	0.015578	25.5	24.2	.00	29.30	992.2	662.2	.95	194.8
11:00	0.015488	25.3	24.1	.00	29.30	992.1	816.8	1.17	217.7
12:00	0.015259	24.8	23.7	.00	29.28	991.7	748.0	1.07	209.3
13:00	0.014641	23.8	22.8	.00	29.26	990.9	922.1	1.32	209.1
14:00	0.014459	23.3	22.5	.00	29.24	990.2	850.3	1.22	210.8
15:00	0.013751	22.3	21.4	.00	29.21	989.1	860.0	1.23	208.7
16:00	0.013443	21.8	20.9	.00	29.20	988.7	662.4	.95	223.1
17:00	0.013652	22.1	21.2	.00	29.18	988.2	423.2	.61	249.9
18:00	0.014109	23.2	21.9	.00	29.18	988.2	220.8	.32	263.7
19:00	0.014951	25.9	23.2	.00	29.19	988.4	46.2	.07	314.2
20:00	0.014978	24.7	23.3	.00	29.21	989.1	1.6	.00	300.0
21:00	0.015013	24.9	23.3	.00	29.23	989.9	-2.3	.00	253.7
22:00	0.015072	24.0	23.4	.00	29.27	991.2	-2.3	.00	209.9
23:00	0.015555	24.4	24.2	.00	29.28	991.4	-2.2	.00	284.2
Avg	0.015368	24.3	23.9	.00	29.25	990.7	284.6	.41	293.0
Max	0.016768	25.9	26.0	.00	29.30	992.4	922.1	1.32	314.2
Hr. of Max	00	19	00	23	11	09	13	13	19
Min	0.013443	21.8	20.9	.00	29.18	988.2	-2.5	.00	19.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/16/2016

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	53.7	73.0	32.0	61.4	14.7	11.6	9.8	2.1	3.2
01:00	44.9	69.0	19.9	56.7	17.0	12.2	10.2	2.1	2.9
02:00	65.7	72.7	36.8	60.2	23.7	13.8	10.7	1.9	2.6
03:00	44.7	69.9	20.7	58.0	13.5	13.7	9.5	2.2	2.9
04:00	43.3	57.3	34.0	44.0	38.1	17.1	19.0	1.0	2.0
05:00	58.5	73.8	23.0	61.8	14.8	14.5	9.1	1.8	2.4
06:00	54.2	66.1	24.1	52.5	20.9	17.8	11.1	1.2	1.9
07:00	66.9	77.7	41.4	65.1	23.2	17.6	11.1	1.2	2.1
08:00	46.9	55.2	38.9	41.4	31.5	19.4	14.7	1.6	2.7
09:00	66.1	92.9	90.1	67.2	51.3	48.0	36.8	.5	.4
10:00	211.3	214.8	201.6	208.6	32.8	30.0	27.0	2.7	3.2
11:00	225.3	220.0	221.2	214.2	37.4	29.0	24.0	3.5	4.5
12:00	222.3	217.8	215.8	211.1	29.1	23.8	17.7	4.4	6.1
13:00	215.1	213.0	215.0	207.0	30.3	24.3	22.3	6.1	8.3
14:00	215.0	213.2	217.7	206.1	29.4	23.7	20.7	6.3	8.2
15:00	218.4	216.5	214.5	209.9	27.2	23.7	20.2	6.1	8.4
16:00	231.5	229.6	228.7	222.8	27.1	20.1	16.2	6.1	8.4
17:00	252.9	249.3	254.8	242.5	30.1	20.0	17.7	5.1	7.2
18:00	262.9	259.7	268.0	252.3	23.2	15.7	12.4	3.3	5.1
19:00	321.8	313.3	312.5	301.6	18.1	13.2	9.6	2.0	3.9
20:00	309.1	308.9	299.3	297.6	25.0	17.5	12.0	2.7	5.3
21:00	305.6	340.8	253.8	328.5	35.8	36.4	33.3	.7	1.1
22:00	209.0	189.4	214.9	188.9	30.6	37.7	39.5	4.8	6.9
23:00	291.3	273.2	276.6	270.2	47.2	39.0	36.5	.6	1.3
Avg	306.0	176.0	292.0	231.0	28.0	22.5	18.8	.0	.0
Max	321.8	340.8	312.5	328.5	51.3	48.0	39.5	6.3	8.4
Hr. of Max	19	21	19	21	09	09	22	14	16
Min	43.3	55.2	19.9	41.4	13.5	11.6	9.1	.5	.4
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)

8/16/2016

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	3.7	2.3	3.3	3.7	2.4	4.0	-7.0	-.3	-.33
01:00	2.9	2.1	3.0	2.9	2.4	3.1	-6.4	-.5	-.29
02:00	3.0	2.0	2.7	3.1	2.2	3.3	-2.5	-1.3	-.16
03:00	3.3	2.3	2.9	3.3	2.4	3.5	-7.4	-.8	-.33
04:00	2.5	1.2	2.5	3.0	1.4	3.2	1.4	.2	-.02
05:00	3.1	1.8	2.5	3.1	2.1	3.3	-4.3	-.1	-.18
06:00	2.3	1.3	2.1	2.3	1.5	2.5	-.6	-.2	-.04
07:00	2.5	1.3	2.2	2.6	1.5	2.8	-1.0	-.8	-.07
08:00	2.9	1.8	2.9	3.1	2.0	3.3	-2.9	-5.1	-.20
09:00	.5	1.4	1.5	1.5	1.9	2.0	.3	-1.4	.04
10:00	3.6	3.2	3.6	4.0	3.7	4.4	-1.7	-4.1	-.13
11:00	5.3	4.1	5.0	5.7	4.9	6.2	-.7	-.1	-.20
12:00	7.4	5.0	6.5	7.8	5.7	8.3	-.2	-2.2	-.21
13:00	9.7	7.1	9.1	10.3	7.7	10.9	-.2	-2.4	-.27
14:00	9.3	7.0	8.8	9.9	7.6	10.5	-2.0	-.6	-.47
15:00	10.2	6.9	9.1	10.8	7.6	11.5	.7	.8	-.23
16:00	10.1	6.9	9.2	10.8	7.7	11.5	-.9	-.7	-.38
17:00	8.2	5.6	7.5	8.6	6.2	9.1	1.8	.3	-.21
18:00	6.3	3.7	5.5	6.7	4.1	6.9	-.9	-1.3	-.24
19:00	5.9	2.1	4.0	6.0	2.3	6.0	-.5	-1.3	-.05
20:00	8.5	3.0	5.6	8.7	3.3	8.6	-1.7	-2.8	-.23
21:00	2.7	1.7	2.4	4.0	2.0	4.1	.4	2.7	.00
22:00	8.5	5.6	7.5	9.0	6.1	9.4	-.1	-1.2	-.16
23:00	2.3	2.3	3.7	4.7	2.6	5.0	-.9	.9	-.13
Avg	.0	3.4	4.7	5.7	3.8	6.0	-1.6	-.9	-.19
Max	10.2	7.1	9.2	10.8	7.7	11.5	1.8	2.7	.04
Hr. of Max	15	13	16	16	16	16	17	21	09
Min	.5	1.2	1.5	1.5	1.4	2.0	-7.4	-5.1	-.47
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/16/2016

Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	36_SonicTemp_015m	37_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	-.05	4.8	6.0	6.2	9.6	5.5	24.5	24.3
01:00	-.04	5.0	7.1	6.0	6.8	5.0	24.2	24.1
02:00	-.09	4.1	5.3	6.6	9.3	6.0	24.1	23.9
03:00	-.05	5.7	8.2	9.2	7.2	4.8	23.8	23.8
04:00	-.01	3.2	6.4	6.6	14.4	5.7	23.6	23.6
05:00	-.01	3.2	5.7	6.4	8.0	4.8	23.5	23.4
06:00	-.01	3.0	5.3	6.4	11.9	5.5	23.5	23.2
07:00	-.04	3.4	3.7	4.1	12.6	5.6	23.4	23.1
08:00	-.29	4.6	4.8	4.4	19.4	7.5	23.8	23.2
09:00	.03	5.5	5.7	5.3	28.4	30.5	25.8	25.2
10:00	-.33	8.9	9.4	10.3	20.2	22.7	28.0	27.2
11:00	-.15	13.1	14.7	16.7	21.4	20.6	29.8	28.9
12:00	-.46	12.8	13.3	16.5	19.0	14.0	31.1	30.2
13:00	-.63	18.5	19.2	22.4	17.9	12.8	32.3	31.3
14:00	-.36	32.7	33.9	34.3	17.3	15.8	33.2	32.3
15:00	-.22	17.9	20.8	21.3	19.6	13.7	34.0	33.0
16:00	-.35	16.3	28.6	33.0	16.5	11.7	34.3	33.4
17:00	-.25	23.4	25.0	23.8	20.3	14.5	34.5	33.5
18:00	-.21	9.8	11.7	12.1	17.1	9.0	34.0	33.4
19:00	-.18	7.6	9.4	10.8	10.6	6.8	32.1	32.4
20:00	-.53	9.8	12.8	15.8	18.5	8.2	30.2	30.1
21:00	.11	5.5	8.0	14.9	14.0	13.4	28.4	28.9
22:00	-.40	17.6	19.0	21.8	15.3	10.5	27.7	27.6
23:00	.01	8.7	14.4	15.8	13.9	8.8	26.6	26.3
Avg	-.19	10.2	12.4	13.8	15.4	11.0	28.2	27.8
Max	.11	32.7	33.9	34.3	28.4	30.5	34.5	33.5
Hr. of Max	21	14	14	14	09	09	17	17
Min	-.63	3.0	3.7	4.1	6.8	4.8	23.4	23.1
Count	24	24	24	24	24	24	24	24
Total								