Date Printed: 03/16/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/15/2017

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	-1.8	-1.7	-1.8	-1.9	.14	.01	-.07	-.13	-.21
01:00	-2.1	-2.0	-2.2	-2.3	.06	-.11	-.21	-.17	-.26
02:00	-2.6	-2.5	-2.6	-2.7	.12	-.03	-.11	-.15	-.23
03:00	-2.9	-2.8	-3.0	-3.1	.06	-.09	-.18	-.15	-.25
04:00	-3.1	-3.1	-3.2	-3.3	.00	-.15	-.26	-.15	-.26
05:00	-3.5	-3.5	-3.6	-3.7	.06	-.10	-.20	-.16	-.27
06:00	-4.4	-4.3	-4.5	-4.6	.09	-.08	-.17	-.17	-.26
07:00	-5.2	-5.1	-5.3	-5.4	.08	-.08	-.17	-.16	-.26
08:00	-4.9	-5.0	-5.2	-5.4	-.09	-.26	-.44	-.17	-.35
09:00	-4.0	-4.4	-4.7	-4.9	-.46	-.74	-.97	-.28	-.50
10:00	-3.1	-3.8	-4.2	-4.4	-.68	-1.09	-1.33	-.40	-.65
11:00	-2.0	-2.8	-3.2	-3.5	-.81	-1.24	-1.54	-.44	-.74
12:00	-1.1	-1.9	-2.3	-2.5	-.81	-1.18	-1.40	-.37	-.58
13:00	.2	-.7	-1.1	-1.3	-.94	-1.33	-1.51	-.39	-.57
14:00	1.0	.0	-.4	-.6	-.97	-1.33	-1.54	-.37	-.57
15:00	2.2	1.1	.7	.5	-1.16	-1.58	-1.75	-.42	-.60
16:00	2.8	1.6	1.2	1.0	-1.16	-1.55	-1.74	-.39	-.58
17:00	2.7	1.9	1.6	1.4	-.80	-1.15	-1.36	-.34	-.56
18:00	2.2	1.8	1.6	1.4	-.37	-.66	-.80	-.29	-.43
19:00	1.1	1.3	1.2	1.1	.18	.03	-.04	-.15	-.22
20:00	-1.3	.5	.5	.5	1.81	1.83	1.78	.01	-.03
21:00	-2.6	-.1	.1	.1	2.53	2.72	2.68	.18	.14
22:00	-3.4	-.6	-.2	-.2	2.75	3.18	3.15	.43	.40
23:00	-3.9	-.7	-.5	-.5	3.17	3.38	3.40	.21	.22
Avg	-1.7	-1.5	-1.7	-1.8	.12	-.07	-.20	-.18	-.32
Max	2.8	1.9	1.6	1.4	3.17	3.38	3.40	.43	.40
Hr. of Max	16	17	18	18	23	23	23	22	22
Min	-5.2	-5.1	-5.3	-5.4	-1.16	-1.58	-1.75	-.44	-.74
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)

3/15/2017

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	-10.7	-11.9	-7.7	7.1	51.2	45.9	2.2	2.0	0.00172
01:00	-11.4	-12.2	-8.3	6.9	49.3	46.1	2.1	1.9	0.001622
02:00	-11.1	-11.8	-8.3	6.7	52.4	49.1	2.1	2.0	0.001659
03:00	-10.2	-10.9	-7.8	6.5	57.6	54.2	2.3	2.1	0.001781
04:00	-9.7	-10.5	-7.5	6.4	60.6	57.0	2.4	2.2	0.001848
05:00	-11.1	-11.7	-8.5	6.2	56.4	53.4	2.1	2.0	0.001665
06:00	-15.0	-16.0	-11.5	6.0	43.7	40.1	1.5	1.4	0.001205
07:00	-15.3	-16.0	-11.9	5.9	45.4	42.5	1.5	1.4	0.001175
08:00	-15.1	-16.1	-11.7	5.7	45.3	42.0	1.5	1.4	0.001198
09:00	-15.3	-16.4	-11.5	5.5	41.3	39.0	1.5	1.4	0.001175
10:00	-14.8	-16.4	-10.9	5.3	40.4	37.3	1.6	1.4	0.001228
11:00	-14.1	-15.7	-10.0	5.3	39.5	36.7	1.7	1.5	0.001303
12:00	-14.0	-15.8	-9.7	5.5	37.4	34.2	1.7	1.4	0.001314
13:00	-13.9	-15.9	-9.2	5.7	34.3	31.2	1.7	1.4	0.00133
14:00	-13.8	-15.6	-8.9	6.1	32.8	30.2	1.7	1.5	0.001346
15:00	-13.3	-15.2	-8.1	6.5	31.1	28.9	1.8	1.5	0.0014
16:00	-13.7	-15.7	-8.2	6.8	29.0	26.8	1.7	1.5	0.001357
17:00	-14.1	-15.6	-8.5	7.1	28.2	26.4	1.6	1.5	0.00131
18:00	-14.5	-15.7	-9.0	7.2	28.2	26.4	1.6	1.4	0.001264
19:00	-13.7	-15.1	-8.8	7.3	32.6	28.6	1.7	1.5	0.001349
20:00	-11.5	-15.0	-8.1	7.3	46.3	30.7	2.0	1.5	0.001602
21:00	-10.5	-14.8	-7.9	7.2	54.9	32.5	2.2	1.6	0.001728
22:00	-10.1	-14.4	-7.8	7.0	60.3	34.9	2.3	1.6	0.001789
23:00	-9.9	-14.5	-7.9	6.8	63.2	34.8	2.3	1.6	0.001804
Avg	-12.8	-14.5	-9.1	6.4	44.2	37.9	1.9	1.6	0.001466
Max	-9.7	-10.5	-7.5	7.3	63.2	57.0	2.4	2.2	0.001848
Hr. of Max	04	04	04	20	23	04	04	04	04
Min	-15.3	-16.4	-11.9	5.3	28.2	26.4	1.5	1.4	0.001175
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)

3/15/2017

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	0.001559	2.7	2.5	.00	29.26	991.0	-2.3	.00	.6
01:00	0.001524	2.6	2.4	.00	29.27	991.3	-2.3	.00	322.2
02:00	0.001568	2.6	2.5	.00	29.27	991.4	-2.7	.00	337.1
03:00	0.001683	2.8	2.7	.00	29.28	991.7	-2.6	.00	342.7
04:00	0.001738	2.9	2.8	.00	29.29	991.8	-2.4	.00	294.6
05:00	0.001583	2.6	2.5	.00	29.31	992.5	-2.4	.00	336.9
06:00	0.001115	1.9	1.8	.00	29.33	993.4	-2.6	.00	352.7
07:00	0.001108	1.9	1.8	.00	29.36	994.2	-.4	.00	329.1
08:00	0.001102	1.9	1.8	.00	29.38	995.1	113.4	.16	349.2
09:00	0.001069	1.9	1.7	.00	29.41	995.9	336.6	.48	336.5
10:00	0.001076	2.0	1.7	.00	29.42	996.4	543.1	.78	352.9
11:00	0.001139	2.1	1.8	.00	29.43	996.8	658.6	.94	355.7
12:00	0.001132	2.1	1.8	.00	29.44	997.0	596.1	.85	330.6
13:00	0.001128	2.1	1.8	.00	29.42	996.4	784.2	1.12	316.0
14:00	0.001152	2.1	1.8	.00	29.40	995.6	662.4	.95	316.1
15:00	0.001193	2.2	1.9	.00	29.38	994.9	808.9	1.16	286.6
16:00	0.001154	2.2	1.8	.00	29.37	994.6	701.1	1.01	269.9
17:00	0.001159	2.1	1.8	.00	29.37	994.5	445.3	.64	305.5
18:00	0.001151	2.0	1.8	.00	29.37	994.7	167.3	.24	296.5
19:00	0.001203	2.2	1.9	.00	29.39	995.1	28.8	.04	296.8
20:00	0.001216	2.6	1.9	.00	29.40	995.6	-2.5	.00	259.2
21:00	0.001233	2.8	2.0	.00	29.41	995.9	-2.1	.00	222.2
22:00	0.00127	2.9	2.0	.00	29.42	996.2	-2.8	.00	226.7
23:00	0.001261	2.9	2.0	.00	29.43	996.6	-2.5	.00	254.4
Avg	0.001272	2.3	2.0	.00	29.37	994.5	242.4	.35	313.0
Max	0.001738	2.9	2.8	.00	29.44	997.0	808.9	1.16	355.7
Hr. of Max	04	23	04	23	12	12	15	15	11
Min	0.001069	1.9	1.7	.00	29.26	991.0	-2.8	.00	.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/15/2017

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	2.8	356.2	346.1	346.1	40.8	29.3	23.0	2.5	4.6
01:00	325.6	330.6	309.0	320.5	49.9	30.9	21.7	2.8	4.4
02:00	335.9	333.6	321.2	323.8	45.4	32.3	25.0	2.1	3.5
03:00	342.7	339.3	319.1	329.0	45.9	29.3	22.7	1.5	2.6
04:00	301.3	309.1	281.5	301.4	56.7	30.8	31.1	1.3	2.2
05:00	339.1	335.8	323.8	325.8	45.9	29.1	23.3	2.7	4.8
06:00	351.7	347.3	339.5	337.1	39.1	28.1	22.4	4.3	6.6
07:00	336.0	336.4	316.4	326.3	48.0	29.8	23.8	2.6	4.3
08:00	347.5	345.1	329.8	335.9	48.0	31.8	24.6	3.1	5.1
09:00	343.4	340.2	328.9	330.2	46.6	32.6	27.2	3.8	5.9
10:00	356.0	353.5	343.7	344.0	44.2	32.8	26.3	4.8	7.2
11:00	355.8	358.6	345.4	349.6	53.9	40.4	36.5	4.0	6.9
12:00	337.9	330.1	320.5	322.1	57.7	47.3	45.2	3.1	4.2
13:00	323.0	325.6	310.5	316.6	55.9	44.6	38.0	3.6	5.2
14:00	328.0	328.0	310.4	318.0	69.4	58.1	48.0	3.2	4.8
15:00	296.4	297.0	278.7	289.4	54.1	44.6	40.1	4.1	5.2
16:00	282.7	285.0	269.5	279.3	49.4	41.5	35.2	5.4	6.3
17:00	312.2	310.3	299.8	301.7	45.7	35.9	30.4	4.2	6.2
18:00	305.6	303.5	292.0	295.0	43.1	32.8	27.0	3.7	5.7
19:00	310.3	311.0	287.8	302.6	40.8	32.7	27.1	2.2	3.5
20:00	284.1	293.3	259.9	286.4	24.2	18.8	15.6	2.1	3.4
21:00	264.8	283.5	228.3	276.9	14.8	18.0	15.2	1.8	2.5
22:00	253.3	276.1	234.1	270.2	20.6	16.8	17.5	1.7	2.6
23:00	270.2	277.8	254.9	272.0	12.1	10.2	8.9	2.3	4.2
Avg	320.0	321.0	303.0	312.0	43.8	32.4	27.3	.0	.0
Max	356.0	358.6	346.1	349.6	69.4	58.1	48.0	5.4	7.2
Hr. of Max	10	11	00	11	14	14	14	16	10
Min	2.8	276.1	228.3	270.2	12.1	10.2	8.9	1.3	2.2
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)

3/15/2017

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	6.2	3.1	5.1	6.6	3.6	7.1	-1.5	.1	-.41
01:00	6.3	3.4	5.0	6.7	3.9	7.2	.4	-2.3	-.23
02:00	5.2	2.7	4.2	5.8	3.2	6.3	-2.6	.9	-.37
03:00	3.5	1.8	2.9	3.8	2.2	4.1	-1.5	.1	-.12
04:00	2.9	1.6	2.5	3.3	2.0	3.5	-2.8	-1.6	-.15
05:00	6.5	3.6	5.7	7.2	4.2	7.8	-.4	.1	-.31
06:00	8.6	5.0	7.3	9.2	5.6	9.9	-4.2	-.9	-.80
07:00	5.9	3.1	4.8	6.3	3.7	6.9	-5.3	.7	-.63
08:00	6.9	3.6	5.7	7.4	4.4	8.0	-2.0	-2.3	-.56
09:00	7.3	5.0	6.8	8.0	5.6	8.7	-1.9	.4	-.56
10:00	8.1	6.0	8.2	9.0	6.6	9.7	-2.4	-1.5	-.62
11:00	8.3	5.4	8.0	9.3	6.3	10.1	-3.2	-1.1	-.65
12:00	5.0	4.6	5.7	6.5	5.3	7.3	-4.4	-7.0	-.63
13:00	6.2	5.8	7.0	7.6	6.5	8.5	-5.3	-1.9	-.78
14:00	6.2	5.5	6.8	7.7	6.2	8.4	-.4	2.7	-.42
15:00	5.9	5.9	6.8	7.5	6.5	8.2	1.7	5.8	-.13
16:00	6.9	6.6	7.8	8.2	7.2	9.0	-.9	1.6	-.33
17:00	7.8	5.9	7.9	9.3	6.6	9.9	-.6	-.9	-.38
18:00	7.3	4.9	6.8	8.1	5.5	8.6	.4	-.7	-.23
19:00	4.6	2.7	4.0	5.1	3.2	5.5	1.6	2.1	-.11
20:00	4.8	2.2	3.6	5.0	2.6	5.1	-.7	-3.9	-.07
21:00	3.8	1.9	2.7	3.9	2.3	4.1	.4	-2.4	.02
22:00	3.3	1.9	2.7	3.4	2.3	3.6	-1.3	-.8	-.06
23:00	5.9	2.3	4.3	6.0	2.7	6.1	-2.1	-2.0	-.10
Avg	.0	3.9	5.5	6.7	4.5	7.2	-1.6	-.6	-.36
Max	8.6	6.6	8.2	9.3	7.2	10.1	1.7	5.8	.02
Hr. of Max	06	16	10	17	16	11	15	15	21
Min	2.9	1.6	2.5	3.3	2.0	3.5	-5.3	-7.0	-.80
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/15/2017

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	-.18	14.9	19.7	20.4	24.1	14.2	-1.7	-2.2
01:00	-.59	14.9	28.9	32.7	24.5	17.0	-2.0	-2.6
02:00	-.12	11.2	12.8	19.9	22.4	17.3	-2.5	-3.0
03:00	-.08	9.4	11.2	11.4	22.5	14.8	-2.8	-3.4
04:00	-.24	7.3	6.9	8.0	19.1	17.2	-3.0	-3.6
05:00	-.18	12.1	14.2	17.9	23.0	16.6	-3.4	-4.0
06:00	-.43	17.6	22.9	26.6	23.9	14.8	-4.3	-4.9
07:00	-.28	13.5	13.3	16.9	23.6	18.2	-5.1	-5.7
08:00	-.62	14.0	17.4	19.5	24.3	16.4	-5.0	-5.7
09:00	-.39	15.8	23.4	18.5	24.2	19.3	-4.4	-5.3
10:00	-.44	19.0	19.2	20.6	21.5	17.0	-3.8	-4.8
11:00	-.59	16.3	19.5	22.2	25.7	20.2	-2.8	-3.9
12:00	-.97	14.4	19.5	18.1	24.3	22.8	-2.0	-3.0
13:00	-.66	18.1	18.5	20.8	22.4	24.3	-.9	-1.8
14:00	-.15	16.9	17.6	19.5	23.2	22.9	-.1	-1.1
15:00	.45	18.8	21.5	25.0	22.0	23.4	.9	-.1
16:00	-.19	18.1	19.2	18.5	21.5	21.4	1.4	.4
17:00	-.53	19.9	19.5	21.1	23.3	18.9	1.8	.9
18:00	-.61	14.7	15.6	19.5	23.4	19.8	1.8	1.0
19:00	-.09	9.2	12.4	13.5	23.1	20.6	1.3	.7
20:00	-.50	7.1	10.1	11.7	13.1	12.0	.5	.2
21:00	-.26	3.7	6.0	8.5	10.5	12.2	-.1	-.3
22:00	-.12	5.0	7.3	12.4	8.5	13.7	-.7	-.5
23:00	-.26	5.5	7.6	10.1	7.5	6.8	-.7	-.8
Avg	-.33	13.2	16.0	18.1	20.9	17.6	-1.6	-2.2
Max	.45	19.9	28.9	32.7	25.7	24.3	1.8	1.0
Hr. of Max	15	17	01	01	11	13	18	18
Min	-.97	3.7	6.0	8.0	7.5	6.8	-5.1	-5.7
Count	24	24	24	24	24	24	24	24
Total								