Date Printed: 01/11/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

1/10/2017

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	-1.1	1.7	2.2	2.4	2.79	3.27	3.45	.47	.66
01:00	1.6	2.5	2.5	2.6	.95	.97	1.04	.02	.09
02:00	1.9	2.6	2.6	2.6	.76	.74	.75	-.02	-.01
03:00	1.9	2.6	2.6	2.7	.69	.71	.83	.02	.14
04:00	2.0	2.6	2.6	2.8	.58	.59	.71	.02	.13
05:00	2.3	2.6	2.6	2.7	.35	.32	.39	-.03	.04
06:00	2.3	2.6	2.5	2.6	.33	.25	.30	-.07	-.03
07:00	3.1	3.3	3.3	3.3	.18	.11	.13	-.07	-.04
08:00	4.1	4.2	4.1	4.1	.12	.01	.00	-.11	-.12
09:00	4.5	4.5	4.3	4.3	.03	-.12	-.15	-.15	-.17
10:00	5.1	4.9	4.7	4.7	-.14	-.34	-.41	-.20	-.27
11:00	6.6	6.2	6.0	5.9	-.32	-.58	-.71	-.27	-.39
12:00	7.1	6.8	6.6	6.5	-.23	-.47	-.59	-.24	-.36
13:00	8.2	7.8	7.6	7.5	-.31	-.57	-.69	-.26	-.38
14:00	8.5	8.3	8.0	7.9	-.23	-.46	-.59	-.23	-.35
15:00	8.9	8.8	8.6	8.5	-.11	-.30	-.40	-.20	-.29
16:00	8.8	8.8	8.6	8.5	.00	-.19	-.27	-.19	-.27
17:00	7.3	7.9	8.0	8.2	.62	.72	.86	.09	.23
18:00	8.5	9.6	9.7	9.9	1.09	1.25	1.44	.15	.34
19:00	9.4	10.1	10.2	10.4	.72	.86	.98	.15	.27
20:00	8.3	9.3	9.5	9.6	1.04	1.18	1.33	.14	.30
21:00	6.8	7.5	7.9	8.2	.68	1.17	1.46	.48	.78
22:00	6.7	7.3	7.6	8.1	.52	.90	1.31	.38	.79
23:00	6.6	7.4	7.8	8.3	.77	1.20	1.67	.43	.91
Avg	5.4	5.8	5.8	5.9	.45	.47	.54	.01	.08
Max	9.4	10.1	10.2	10.4	2.79	3.27	3.45	.48	.91
Hr. of Max	19	19	19	19	00	00	00	21	23
Min	-1.1	1.7	2.2	2.4	-.32	-.58	-.71	-.27	-.39
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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1/10/2017

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	-8.1	-12.1	-5.8	3.4	59.2	35.3	2.7	1.9	0.002079
01:00	-9.2	-11.9	-5.6	3.4	45.4	34.1	2.4	2.0	0.001925
02:00	-8.7	-11.6	-5.2	3.4	46.0	34.7	2.5	2.0	0.001998
03:00	-8.5	-11.1	-5.0	3.4	46.8	36.2	2.6	2.1	0.002037
04:00	-8.4	-10.6	-4.9	3.5	46.6	37.4	2.6	2.2	0.002055
05:00	-8.4	-10.3	-4.8	3.5	45.5	38.5	2.6	2.2	0.002045
06:00	-8.1	-10.0	-4.6	3.5	46.8	39.4	2.6	2.3	0.002104
07:00	-9.1	-10.2	-5.0	3.6	40.8	36.8	2.4	2.2	0.001949
08:00	-9.5	-10.6	-5.0	3.6	36.8	33.6	2.4	2.2	0.001883
09:00	-9.2	-10.2	-4.7	3.6	36.7	33.9	2.4	2.2	0.001925
10:00	-8.2	-9.1	-3.8	3.7	38.1	35.8	2.6	2.4	0.002087
11:00	-6.7	-7.6	-2.3	3.7	38.6	36.9	2.9	2.7	0.002346
12:00	-5.0	-5.7	-1.0	3.9	42.4	40.9	3.3	3.1	0.002679
13:00	-3.2	-3.8	.6	4.1	45.2	44.0	3.8	3.6	0.003074
14:00	-4.4	-5.2	-.1	4.3	40.3	38.7	3.4	3.2	0.002804
15:00	-4.1	-4.8	.2	4.5	40.1	38.3	3.5	3.3	0.00287
16:00	-3.6	-4.4	.5	4.7	41.9	39.6	3.6	3.4	0.002975
17:00	-2.4	-3.7	.9	4.9	50.8	44.2	4.0	3.6	0.003266
18:00	-.8	-1.6	2.3	5.0	52.7	46.0	4.5	4.2	0.003671
19:00	1.5	1.0	4.1	5.1	58.6	54.1	5.3	5.1	0.00433
20:00	4.5	3.7	5.8	5.2	78.5	69.0	6.5	6.1	0.005357
21:00	6.1	6.2	6.3	5.2	96.4	93.0	7.3	7.4	0.005969
22:00	6.2	6.8	6.4	5.3	97.3	98.1	7.4	7.7	0.006012
23:00	6.1	7.0	6.2	5.4	97.2	98.2	7.3	7.7	0.005948
Avg	-4.2	-5.4	-1.0	4.2	52.9	47.4	3.8	3.5	0.003058
Max	6.2	7.0	6.4	5.4	97.3	98.2	7.4	7.7	0.006012
Hr. of Max	22	23	22	23	22	23	22	23	22
Min	-9.5	-12.1	-5.8	3.4	36.7	33.6	2.4	1.9	0.001883
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/10/2017

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	0.001521	3.3	2.4	.00	29.52	999.7	-2.5	.00	237.2
01:00	0.001554	3.1	2.5	.00	29.50	999.1	-2.1	.00	241.1
02:00	0.001596	3.2	2.6	.00	29.49	998.8	-2.3	.00	240.0
03:00	0.001659	3.3	2.7	.00	29.48	998.4	-2.4	.00	231.6
04:00	0.001721	3.3	2.8	.00	29.46	997.8	-2.5	.00	235.0
05:00	0.001772	3.3	2.8	.00	29.45	997.4	-2.6	.00	235.2
06:00	0.001815	3.4	2.9	.00	29.44	997.1	-.8	.00	232.2
07:00	0.00178	3.1	2.8	.00	29.43	996.7	-1.4	.00	236.2
08:00	0.001735	3.0	2.8	.00	29.44	996.9	18.4	.03	235.4
09:00	0.00178	3.1	2.8	.00	29.44	997.0	33.7	.05	235.0
10:00	0.001946	3.3	3.1	.00	29.43	996.5	115.9	.17	230.4
11:00	0.002198	3.7	3.5	.00	29.39	995.2	201.9	.29	227.4
12:00	0.00254	4.3	4.0	.00	29.34	993.6	145.8	.21	218.2
13:00	0.002929	4.9	4.7	.00	29.30	992.4	177.4	.25	223.2
14:00	0.002652	4.4	4.2	.00	29.28	991.5	141.3	.20	237.8
15:00	0.002719	4.6	4.3	.00	29.26	991.0	72.1	.10	232.7
16:00	0.002809	4.7	4.5	.00	29.25	990.5	33.8	.05	264.6
17:00	0.002968	5.2	4.7	.00	29.24	990.2	1.3	.00	114.0
18:00	0.003463	5.8	5.5	.00	29.24	990.1	-2.0	.00	237.2
19:00	0.0042	6.8	6.6	.00	29.24	990.4	-2.3	.00	210.6
20:00	0.00507	8.5	8.0	.01	29.26	990.8	-3.2	.00	235.2
21:00	0.006029	9.4	9.5	.07	29.28	991.6	-2.5	.00	148.9
22:00	0.006282	9.5	9.9	.02	29.29	991.9	-2.4	.00	234.1
23:00	0.006335	9.4	10.0	.00	29.30	992.2	-1.7	.00	122.8
Avg	0.002878	4.9	4.6	.00	29.36	994.5	38.0	.06	225.0
Max	0.006335	9.5	10.0	.07	29.52	999.7	201.9	.29	264.6
Hr. of Max	23	22	23	21	00	00	11	11	16
Min	0.001521	3.0	2.4	.00	29.24	990.1	-3.2	.00	114.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/10/2017

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	254.2	242.2	238.1	237.9	15.1	8.5	7.6	3.3	5.5
01:00	244.3	234.8	242.2	230.7	17.4	11.6	9.3	3.9	6.3
02:00	251.9	242.1	241.2	238.1	18.8	12.4	9.3	2.6	4.2
03:00	236.9	224.6	233.8	221.0	12.5	7.6	6.1	3.3	5.5
04:00	241.6	231.3	236.1	227.6	12.6	8.1	6.0	3.5	6.0
05:00	241.8	234.6	237.3	230.7	13.9	7.6	5.3	3.7	6.3
06:00	239.3	230.2	233.4	226.2	18.5	11.0	7.7	2.7	4.7
07:00	238.0	228.9	236.8	225.1	18.6	13.1	11.5	5.1	7.6
08:00	240.8	233.2	237.3	229.2	21.2	14.3	10.6	5.6	8.5
09:00	236.1	227.7	235.6	223.9	18.4	12.8	9.0	5.0	7.7
10:00	233.4	224.9	230.8	220.9	18.9	14.3	12.0	5.4	7.7
11:00	231.7	228.0	228.3	224.1	20.5	15.2	13.5	6.4	8.7
12:00	224.6	220.5	219.1	216.1	21.7	18.4	14.7	6.3	8.3
13:00	228.3	225.3	224.4	221.2	20.3	15.7	12.9	6.7	8.8
14:00	243.7	241.0	239.3	236.6	22.1	16.5	13.0	5.4	7.3
15:00	244.3	243.3	234.6	238.9	25.9	19.3	14.7	3.6	4.7
16:00	270.2	270.8	262.4	264.5	40.8	29.8	18.4	2.4	3.5
17:00	149.4	150.6	157.0	148.9	55.7	30.8	31.6	.4	1.5
18:00	225.9	208.9	238.5	204.7	20.1	15.3	12.1	3.6	5.7
19:00	209.5	202.4	212.9	198.3	15.7	10.8	8.6	3.8	6.7
20:00	220.1	202.4	236.5	198.0	18.0	13.1	10.5	2.8	5.0
21:00	242.7	250.7	248.9	246.1	50.3	22.2	13.4	.4	1.9
22:00	230.2	227.1	238.4	223.2	41.7	20.6	15.7	2.0	3.8
23:00	196.9	227.3	161.5	223.3	28.9	22.3	7.5	.4	1.4
Avg	233.0	228.0	230.0	223.0	23.7	15.5	11.7	.0	.0
Max	270.2	270.8	262.4	264.5	55.7	30.8	31.6	6.7	8.8
Hr. of Max	16	16	16	16	17	17	17	13	13
Min	149.4	150.6	157.0	148.9	12.5	7.6	5.3	.4	1.4
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)

1/10/2017

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	7.7	3.4	5.5	7.8	3.8	8.2	.6	-.5	.01
01:00	8.4	4.1	6.4	8.5	4.5	9.0	.0	-.9	-.08
02:00	6.1	2.7	4.3	6.1	3.1	6.5	-.3	-.9	-.07
03:00	7.4	3.4	5.6	7.5	3.8	7.9	-.8	-2.3	-.09
04:00	8.2	3.6	6.1	8.3	4.0	8.7	-.4	-1.8	-.08
05:00	8.5	3.8	6.4	8.6	4.3	9.0	-.3	-1.0	-.08
06:00	6.6	2.9	4.9	6.8	3.4	7.2	-.5	-1.3	-.09
07:00	9.8	5.4	7.9	10.0	6.0	10.6	-1.0	-1.6	-.26
08:00	10.6	5.9	8.7	10.8	6.7	11.5	-.1	-1.2	-.16
09:00	10.0	5.3	7.9	10.2	5.9	10.7	.3	-1.5	-.10
10:00	9.4	5.7	7.9	9.6	6.2	10.2	-.1	-1.6	-.15
11:00	10.4	6.7	9.0	10.7	7.4	11.5	.7	-1.7	-.09
12:00	10.3	6.8	8.7	10.7	7.4	11.3	3.1	-.1	.13
13:00	10.3	7.1	9.1	10.7	7.8	11.4	1.8	-.1	-.07
14:00	8.6	5.8	7.6	8.9	6.4	9.5	.8	-.6	-.12
15:00	6.1	4.0	5.0	6.4	4.5	6.8	.0	.3	-.11
16:00	4.8	3.0	4.3	5.7	3.2	6.0	1.8	-1.5	-.07
17:00	2.6	1.3	1.9	3.0	1.7	3.4	2.8	1.6	.08
18:00	7.8	3.8	5.9	8.0	4.2	8.4	-1.6	-2.5	-.18
19:00	8.8	4.1	6.9	9.0	4.6	9.3	.1	-2.4	-.06
20:00	7.2	3.4	5.4	7.4	3.6	7.8	-1.8	-1.8	-.14
21:00	3.7	.6	2.2	3.8	1.2	4.1	2.2	-.4	.04
22:00	5.5	2.5	4.2	5.8	2.9	6.0	-.9	-.3	-.07
23:00	4.2	.7	1.7	4.2	1.4	4.5	3.1	-.3	.07
Avg	.0	4.0	6.0	7.9	4.5	8.3	.4	-1.0	-.07
Max	10.6	7.1	9.1	10.8	7.8	11.5	3.1	1.6	.13
Hr. of Max	08	13	13	08	13	11	23	17	12
Min	2.6	.6	1.7	3.0	1.2	3.4	-1.8	-2.5	-.26
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/10/2017

Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	86_SonicTemp_015m	87_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	-.10	8.0	13.3	14.9	6.2	4.8	1.6	2.1
01:00	-.19	8.7	11.9	20.2	10.7	6.0	2.4	2.2
02:00	-.13	8.0	12.8	14.0	9.3	6.1	2.5	2.2
03:00	-.33	7.3	8.9	11.4	7.7	3.7	2.5	2.3
04:00	-.28	7.1	11.7	19.0	8.3	4.0	2.5	2.4
05:00	-.18	8.0	14.4	20.8	9.7	3.8	2.6	2.3
06:00	-.21	8.7	12.8	15.1	9.9	5.3	2.6	2.2
07:00	-.34	13.7	16.7	18.8	13.0	6.9	3.3	2.9
08:00	-.36	14.0	17.9	21.1	13.6	8.0	4.2	3.7
09:00	-.33	17.2	15.8	27.7	13.5	6.6	4.4	3.9
10:00	-.37	15.6	17.6	19.9	13.7	8.4	4.9	4.3
11:00	-.50	17.4	16.7	18.5	14.8	10.3	6.2	5.4
12:00	-.26	19.9	21.3	23.1	16.1	11.6	6.8	6.1
13:00	-.24	18.8	25.4	27.7	15.9	11.1	7.9	7.1
14:00	-.24	13.5	23.8	33.9	16.1	9.8	8.2	7.5
15:00	-.03	15.1	16.3	16.0	14.1	9.3	8.8	8.1
16:00	-.22	8.2	10.8	13.7	18.5	11.4	8.8	8.2
17:00	.04	4.8	7.6	10.3	16.0	14.2	8.0	8.0
18:00	-.43	7.8	11.2	14.2	11.3	8.1	9.7	9.8
19:00	-.44	9.8	16.7	22.2	10.7	6.2	10.4	10.4
20:00	-.29	9.6	13.3	13.5	10.4	6.7	9.7	9.8
21:00	-.05	4.8	11.4	8.7	12.0	6.3	7.9	8.5
22:00	-.06	5.7	8.0	9.6	9.1	5.8	7.7	8.3
23:00	-.02	2.7	6.6	8.5	7.7	3.4	7.8	8.6
Avg	-.23	10.6	14.3	17.6	12.0	7.4	5.9	5.7
Max	.04	19.9	25.4	33.9	18.5	14.2	10.4	10.4
Hr. of Max	17	12	13	14	16	17	19	19
Min	-.50	2.7	6.6	8.5	6.2	3.4	1.6	2.1
Count	24	24	24	24	24	24	24	24
Total								