Date Printed: 06/28/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/27/2017

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	13.8	15.9	16.4	17.3	2.02	2.61	3.43	.59	1.41
01:00	13.9	15.2	16.0	17.1	1.32	2.12	3.21	.79	1.88
02:00	14.7	15.5	16.0	16.7	.80	1.30	1.97	.50	1.17
03:00	14.6	15.6	16.1	16.6	1.01	1.50	1.97	.49	.96
04:00	13.5	14.9	15.3	15.9	1.33	1.79	2.37	.46	1.04
05:00	12.8	14.2	14.7	15.4	1.32	1.83	2.52	.51	1.20
06:00	12.7	13.9	14.3	14.9	1.20	1.52	2.12	.32	.92
07:00	13.9	14.3	14.6	14.8	.38	.69	.93	.31	.55
08:00	16.7	16.4	16.2	16.2	-.26	-.43	-.45	-.18	-.20
09:00	19.5	18.9	18.7	18.6	-.62	-.87	-.99	-.25	-.37
10:00	21.4	20.7	20.4	20.3	-.70	-.95	-1.07	-.25	-.37
11:00	22.2	21.4	21.1	21.0	-.78	-1.09	-1.24	-.31	-.45
12:00	22.7	22.0	21.6	21.5	-.73	-1.07	-1.20	-.34	-.47
13:00	23.7	22.6	22.1	21.9	-1.09	-1.51	-1.70	-.43	-.62
14:00	24.5	23.5	23.1	23.0	-1.05	-1.43	-1.57	-.38	-.52
15:00	24.8	24.0	23.6	23.5	-.84	-1.17	-1.33	-.33	-.49
16:00	25.4	24.7	24.3	24.2	-.74	-1.10	-1.25	-.36	-.51
17:00	25.7	25.1	24.8	24.6	-.63	-.93	-1.11	-.30	-.48
18:00	25.4	24.8	24.5	24.3	-.59	-.91	-1.06	-.32	-.47
19:00	23.4	24.2	24.4	24.4	.84	.96	.96	.12	.12
20:00	19.7	21.5	22.8	23.0	1.87	3.11	3.33	1.24	1.47
21:00	17.3	19.9	20.4	20.9	2.55	3.08	3.57	.54	1.02
22:00	15.8	18.1	18.6	19.4	2.32	2.85	3.62	.52	1.30
23:00	14.8	17.0	17.5	18.4	2.17	2.64	3.60	.48	1.44
Avg	18.9	19.3	19.5	19.7	.46	.61	.86	.14	.40
Max	25.7	25.1	24.8	24.6	2.55	3.11	3.62	1.24	1.88
Hr. of Max	17	17	17	17	21	20	22	20	01
Min	12.7	13.9	14.3	14.8	-1.09	-1.51	-1.70	-.43	-.62
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/27/2017

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	11.8	11.7	12.5	22.1	88.8	77.7	10.5	10.4	0.008853
01:00	12.2	12.2	12.8	21.9	91.1	83.5	10.8	10.7	0.0091
02:00	12.9	12.6	13.5	21.7	90.6	84.4	11.2	11.0	0.00955
03:00	13.0	13.0	13.5	21.6	91.5	85.7	11.3	11.3	0.009587
04:00	12.5	12.7	12.8	21.4	94.5	88.4	10.9	11.1	0.009252
05:00	12.0	12.7	12.3	21.3	95.9	92.3	10.6	11.1	0.008956
06:00	12.0	13.0	12.2	21.1	96.5	95.8	10.6	11.4	0.008948
07:00	12.9	13.1	13.2	20.9	95.0	94.1	11.2	11.4	0.009515
08:00	13.9	13.4	14.8	20.8	85.2	84.1	11.9	11.6	0.010163
09:00	13.9	13.2	15.8	20.7	71.4	70.8	11.8	11.3	0.010209
10:00	12.8	12.2	15.6	20.7	59.1	59.3	10.9	10.5	0.00948
11:00	12.1	11.6	15.5	20.8	53.9	54.7	10.5	10.1	0.009083
12:00	11.8	11.4	15.4	21.0	51.3	52.1	10.2	10.0	0.008919
13:00	11.5	10.7	15.6	21.3	47.7	48.1	10.1	9.5	0.008782
14:00	11.0	10.1	15.5	21.6	43.7	43.7	9.7	9.1	0.008499
15:00	10.7	9.8	15.4	21.9	42.2	41.6	9.5	8.9	0.008336
16:00	10.6	9.6	15.5	22.1	40.4	39.5	9.4	8.8	0.008285
17:00	10.4	9.4	15.5	22.3	39.2	37.9	9.3	8.7	0.00817
18:00	10.7	10.0	15.6	22.4	40.6	40.1	9.5	9.0	0.00832
19:00	12.4	10.2	16.1	22.5	51.5	42.1	10.6	9.2	0.009316
20:00	13.4	11.7	15.5	22.5	68.3	54.6	11.4	10.2	0.009879
21:00	12.9	12.1	14.4	22.5	76.3	62.1	11.1	10.5	0.009533
22:00	12.4	12.4	13.5	22.4	81.6	70.7	10.8	10.8	0.009216
23:00	12.4	12.6	13.2	22.2	86.8	76.7	10.9	10.9	0.009211
Avg	12.2	11.7	14.4	21.7	70.1	65.8	10.6	10.3	0.009132
Max	13.9	13.4	16.1	22.5	96.5	95.8	11.9	11.6	0.010209
Hr. of Max	09	08	19	21	06	06	08	08	09
Min	10.4	9.4	12.2	20.7	39.2	37.9	9.3	8.7	0.00817
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)

6/27/2017

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	0.008822	13.9	13.8	.00	29.19	988.6	-2.5	.00	44.1
01:00	0.00909	14.3	14.2	.00	29.18	988.3	-3.0	.00	172.2
02:00	0.00937	14.9	14.7	.00	29.18	988.1	-2.9	.00	78.7
03:00	0.009583	15.0	15.0	.00	29.18	988.1	-2.7	.00	12.8
04:00	0.00943	14.5	14.8	.00	29.18	988.1	-2.0	.00	24.2
05:00	0.009396	14.0	14.7	.00	29.18	988.2	-2.1	.00	44.7
06:00	0.009607	14.0	15.0	.00	29.20	988.8	7.3	.01	48.5
07:00	0.009656	14.9	15.1	.00	29.20	988.9	78.2	.11	83.9
08:00	0.009872	15.9	15.5	.00	29.22	989.4	236.2	.34	129.0
09:00	0.009746	16.0	15.3	.00	29.22	989.7	490.1	.70	71.2
10:00	0.00911	14.9	14.3	.00	29.23	989.7	529.1	.76	33.5
11:00	0.00879	14.2	13.8	.00	29.23	989.9	516.8	.74	21.9
12:00	0.008656	14.0	13.6	.00	29.22	989.6	503.1	.72	35.9
13:00	0.008298	13.8	13.0	.00	29.21	989.3	961.1	1.38	53.6
14:00	0.007976	13.3	12.5	.00	29.20	988.9	932.9	1.34	118.5
15:00	0.007813	13.1	12.3	.00	29.19	988.5	815.5	1.17	97.8
16:00	0.007743	13.0	12.1	.00	29.18	988.1	525.8	.75	79.0
17:00	0.007612	12.8	11.9	.00	29.17	987.7	539.3	.77	103.4
18:00	0.007935	13.0	12.4	.00	29.16	987.4	366.6	.53	40.9
19:00	0.008037	14.6	12.6	.00	29.16	987.4	224.8	.32	1.4
20:00	0.008854	15.4	13.9	.00	29.16	987.4	18.8	.03	3.1
21:00	0.009097	14.9	14.2	.00	29.17	987.8	-1.9	.00	50.1
22:00	0.009262	14.4	14.5	.00	29.19	988.5	-2.3	.00	63.3
23:00	0.009342	14.4	14.6	.00	29.21	989.2	-2.2	.00	45.5
Avg	0.008879	14.3	13.9	.00	29.19	988.6	280.2	.40	57.0
Max	0.009872	16.0	15.5	.00	29.23	989.9	961.1	1.38	172.2
Hr. of Max	08	09	08	23	11	11	13	13	01
Min	0.007612	12.8	11.9	.00	29.16	987.4	-3.0	.00	1.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/27/2017

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	73.1	90.0	353.9	56.9	36.8	30.9	37.6	.7	.8
01:00	228.9	218.6	262.2	214.8	36.6	55.7	15.6	.5	.4
02:00	87.2	147.5	303.2	135.4	43.9	27.7	34.2	.2	.2
03:00	342.5	6.9	307.5	355.7	44.0	25.9	21.8	.5	1.5
04:00	56.5	60.0	349.8	51.2	26.4	22.8	12.4	.6	1.6
05:00	61.1	42.9	330.5	30.1	40.0	9.1	6.4	.2	1.0
06:00	63.1	55.2	323.5	44.1	27.0	37.6	16.3	.1	.8
07:00	50.8	39.2	57.4	27.5	46.5	17.9	10.5	.1	1.1
08:00	67.6	57.1	210.6	49.1	53.8	58.4	29.9	.2	.4
09:00	42.7	23.9	63.5	16.6	48.7	62.6	62.1	.6	.8
10:00	39.8	39.8	23.1	32.1	39.0	31.0	30.1	2.1	3.8
11:00	29.3	31.0	7.7	21.1	43.3	29.5	26.6	2.3	3.9
12:00	31.3	33.4	19.6	23.6	45.7	30.9	26.9	1.8	3.1
13:00	50.8	48.5	45.3	38.5	39.3	30.1	23.7	2.5	3.7
14:00	113.9	107.7	116.9	99.6	44.5	40.4	37.4	3.0	3.4
15:00	97.1	92.9	93.8 +	83.9	36.3	32.6	31.5	3.1	3.7
16:00	62.6	68.9	71.9	55.8	65.8	55.3	54.0	1.7	1.8
17:00	88.7	75.0	99.0	65.4	41.9	46.6	43.5	1.7	1.8
18:00	31.8	34.2	20.0	23.8	49.8	30.5	22.2	1.3	2.4
19:00	6.7	19.7	328.5	7.2	30.9	16.7	16.2	1.0	1.7
20:00	50.2	75.0	323.5	65.7	32.6	9.6	10.3	.8	2.2
21:00	63.1	65.5	3.4	57.1	25.8	8.5	5.6	.4	1.8
22:00	58.9	63.4	350.1	53.9	26.6	14.0	10.8	.6	1.3
23:00	58.4	60.4	356.1	50.6	39.3	15.2	12.7	.5	1.3
Avg	55.0	57.0	7.0	46.0	40.2	30.8	24.9	.0	.0
Max	342.5	218.6	356.1	355.7	65.8	62.6	62.1	3.1	3.9
Hr. of Max	03	01	23	03	16	09	09	15	11
Min	6.7	6.9	3.4	7.2	25.8	8.5	5.6	.1	.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/27/2017

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	.4	.8	1.3	1.2	1.0	1.5	.4	.6	.01
01:00	1.7	.8	.6	1.9	1.3	2.1	.9	-.2	.02
02:00	.8	.6	1.6	2.3	1.2	2.5	2.3	1.1	.04
03:00	2.0	.9	1.7	2.2	1.3	2.5	-.7	3.2	-.03
04:00	2.3	.7	1.8	2.4	1.0	2.6	1.0	3.0	.03
05:00	1.8	.4	1.1	1.8	.9	2.1	-.5	1.2	-.01
06:00	1.5	.3	.9	1.8	.8	2.0	1.5	.8	.03
07:00	2.0	.7	1.2	2.1	1.1	2.3	3.5	.4	.06
08:00	1.0	.5	.8	1.4	1.0	1.7	3.9	2.5	.11
09:00	1.1	1.1	1.2	1.6	1.7	2.1	.5	3.6	.00
10:00	4.2	3.4	4.9	5.2	3.9	5.7	-3.1	2.0	-.34
11:00	4.3	3.1	4.3	4.8	3.4	5.2	-1.5	3.5	-.20
12:00	3.6	2.4	3.5	3.9	2.9	4.4	.2	4.6	-.12
13:00	4.3	3.3	4.4	4.9	3.7	5.4	1.0	2.5	-.18
14:00	3.7	3.9	4.4	4.8	4.5	5.4	2.3	3.7	.14
15:00	4.1	3.8	4.4	4.7	4.5	5.4	-3.3	-.1	-.21
16:00	1.9	3.0	3.2	3.2	3.6	3.8	1.9	10.4	.05
17:00	2.3	3.1	3.6	4.0	3.7	4.5	-.6	11.3	-.11
18:00	3.4	2.0	2.8	3.6	2.5	4.1	1.8	6.0	-.04
19:00	1.9	1.1	1.9	2.0	1.5	2.3	-3.7	-1.7	-.12
20:00	2.7	.9	2.2	2.7	1.3	2.9	-.8	.6	-.03
21:00	2.6	.4	1.8	2.7	.9	2.9	3.4	2.2	.05
22:00	1.9	.6	1.5	2.0	1.2	2.2	.6	.5	.01
23:00	1.8	.7	1.3	1.9	1.1	2.1	1.3	.7	.02
Avg	.0	1.6	2.4	2.9	2.1	3.2	.5	2.6	-.03
Max	4.3	3.9	4.9	5.2	4.5	5.7	3.9	11.3	.14
Hr. of Max	13	14	10	10	15	10	08	17	14
Min	.4	.3	.6	1.2	.8	1.5	-3.7	-1.7	-.34
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/27/2017

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	.00	3.0	3.0	6.6	7.1	8.9	16.5	17.9
01:00	-.01	2.5	2.5	3.2	6.3	4.0	15.9	17.7
02:00	.04	2.5	4.1	5.0	10.9	5.6	16.3	17.3
03:00	.15	3.7	5.0	6.0	13.0	8.1	16.4	17.2
04:00	.14	2.7	3.7	3.4	9.8	4.2	15.6	16.6
05:00	.04	1.8	2.7	3.9	10.6	4.9	14.9	16.0
06:00	.03	2.1	2.7	5.0	8.8	6.8	14.7	15.5
07:00	.04	2.3	3.2	3.9	12.6	6.4	15.2	15.5
08:00	.08	2.5	4.1	4.4	25.5	19.1	17.4	16.9
09:00	.13	4.1	5.0	5.5	31.3	32.3	19.9	19.4
10:00	.09	9.2	10.3	10.8	22.3	20.9	21.5	20.8
11:00	.17	8.5	9.8	17.6	25.9	19.4	22.2	21.3
12:00	.28	6.0	11.7	12.4	26.2	22.0	22.7	21.9
13:00	.12	11.2	11.0	11.9	27.8	22.9	23.3	22.3
14:00	.53	10.5	11.7	11.0	20.2	22.1	24.0	23.2
15:00	-.06	12.1	11.4	11.4	24.4	23.6	24.4	23.6
16:00	.64	9.4	10.5	8.9	26.6	28.1	25.2	24.4
17:00	.83	8.2	10.5	10.8	23.1	24.0	25.5	24.7
18:00	.54	6.4	8.0	8.7	24.7	20.0	25.4	24.5
19:00	-.07	2.7	4.1	5.0	13.9	11.6	24.7	24.5
20:00	.02	3.7	6.9	10.1	9.0	4.7	22.1	23.4
21:00	.10	2.3	5.0	6.4	8.7	3.0	20.5	21.5
22:00	.03	3.0	4.1	3.7	7.8	5.1	18.8	20.0
23:00	.04	2.1	3.7	4.1	8.2	4.4	17.7	19.1
Avg	.16	5.1	6.4	7.5	16.9	13.8	20.0	20.2
Max	.83	12.1	11.7	17.6	31.3	32.3	25.5	24.7
Hr. of Max	17	15	14	11	09	09	17	17
Min	-.07	1.8	2.5	3.2	6.3	3.0	14.7	15.5
Count	24	24	24	24	24	24	24	24
Total								