Date Printed: 06/13/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/12/2017

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	20.7	22.4	22.9	24.0	1.69	2.19	3.28	.50	1.60
01:00	20.3	22.0	23.1	24.1	1.65	2.75	3.75	1.09	2.10
02:00	20.4	22.5	23.6	23.9	2.07	3.16	3.51	1.09	1.45
03:00	20.2	22.6	23.4	23.7	2.43	3.24	3.48	.81	1.05
04:00	19.7	21.6	22.5	23.0	1.83	2.74	3.32	.91	1.49
05:00	19.6	21.1	21.6	22.4	1.57	2.05	2.84	.48	1.26
06:00	19.8	20.9	21.2	22.1	1.17	1.43	2.30	.26	1.13
07:00	20.8	21.3	21.6	22.2	.49	.75	1.35	.26	.86
08:00	23.2	22.9	22.8	23.1	-.32	-.34	-.10	-.01	.23
09:00	25.0	24.6	24.3	24.2	-.49	-.74	-.83	-.24	-.34
10:00	26.2	25.6	25.3	25.2	-.56	-.85	-.99	-.29	-.43
11:00	26.8	26.2	25.9	25.9	-.63	-.89	-.95	-.26	-.32
12:00	28.3	27.5	27.1	27.0	-.88	-1.21	-1.35	-.33	-.47
13:00	29.0	28.0	27.7	27.6	-1.04	-1.35	-1.48	-.32	-.44
14:00	30.1	29.0	28.7	28.5	-1.05	-1.38	-1.52	-.33	-.47
15:00	30.6	29.7	29.3	29.1	-.94	-1.32	-1.46	-.39	-.53
16:00	30.1	29.6	29.3	29.3	-.51	-.75	-.79	-.24	-.28
17:00	30.5	29.8	29.5	29.3	-.66	-1.01	-1.17	-.35	-.51
18:00	30.5	30.2	29.8	29.6	-.32	-.66	-.87	-.33	-.55
19:00	28.2	28.7	29.1	29.3	.52	.92	1.11	.40	.60
20:00	26.7	27.0	27.0	27.1	.33	.31	.41	-.02	.08
21:00	24.4	25.8	26.0	26.1	1.39	1.59	1.73	.19	.34
22:00	23.3	24.9	25.1	25.1	1.60	1.74	1.84	.14	.24
23:00	21.5	23.5	24.1	24.5	2.02	2.58	3.03	.57	1.01
Avg	24.8	25.3	25.5	25.7	.47	.62	.85	.15	.38
Max	30.6	30.2	29.8	29.6	2.43	3.24	3.75	1.09	2.10
Hr. of Max	15	18	18	18	03	03	01	02	01
Min	19.6	20.9	21.2	22.1	-1.05	-1.38	-1.52	-.39	-.55
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/12/2017

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	18.8	19.1	19.4	22.7	90.8	83.9	16.0	16.3	0.013943
01:00	18.8	19.3	19.3	22.6	92.9	86.7	16.0	16.5	0.013944
02:00	18.9	19.0	19.4	22.5	93.3	82.7	16.2	16.2	0.014108
03:00	18.9	18.4	19.3	22.4	94.5	78.7	16.2	15.5	0.014085
04:00	18.6	18.6	19.0	22.3	95.2	85.0	15.9	15.8	0.013793
05:00	18.6	18.7	18.9	22.2	96.0	88.2	15.9	16.0	0.013757
06:00	18.8	18.9	19.1	22.1	96.2	90.3	16.1	16.2	0.013951
07:00	19.4	18.9	19.8	22.0	93.7	88.5	16.6	16.2	0.014474
08:00	19.7	19.3	20.8	21.9	82.7	82.2	16.8	16.4	0.01475
09:00	19.8	19.4	21.5	21.9	74.4	74.9	16.8	16.5	0.014855
10:00	20.1	19.7	22.1	21.9	71.2	71.6	17.1	16.7	0.015206
11:00	20.2	19.8	22.4	22.0	68.9	69.6	17.2	16.8	0.015303
12:00	20.2	19.7	22.9	22.2	63.3	64.4	17.2	16.7	0.01537
13:00	20.0	19.4	23.0	22.4	60.2	61.5	16.9	16.4	0.015194
14:00	19.6	19.2	23.1	22.7	55.3	57.1	16.5	16.1	0.014848
15:00	19.0	18.4	22.9	23.0	51.7	52.3	15.9	15.3	0.014346
16:00	19.1	18.3	22.7	23.2	53.4	52.3	16.0	15.2	0.014381
17:00	19.3	18.7	23.0	23.4	52.9	52.8	16.2	15.6	0.014604
18:00	18.6	18.2	22.6	23.5	50.7	50.1	15.5	15.1	0.013988
19:00	19.6	18.9	22.5	23.6	61.7	57.1	16.5	15.8	0.014805
20:00	18.2	17.8	21.0	23.7	61.4	58.8	15.2	14.9	0.013567
21:00	18.0	17.4	20.1	23.7	69.3	61.5	15.1	14.5	0.013346
22:00	17.7	17.9	19.6	23.6	72.7	66.6	14.9	15.0	0.013108
23:00	18.1	18.3	19.2	23.5	82.9	74.5	15.3	15.5	0.013411
Avg	19.1	18.8	21.0	22.7	74.4	70.5	16.2	15.9	0.014297
Max	20.2	19.8	23.1	23.7	96.2	90.3	17.2	16.8	0.01537
Hr. of Max	12	11	14	21	06	06	12	11	12
Min	17.7	17.4	18.9	21.9	50.7	50.1	14.9	14.5	0.013108
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/12/2017

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	0.014294	21.7	22.2	.00	29.23	989.9	-2.5	.00	57.6
01:00	0.014407	21.7	22.4	.00	29.23	989.9	-2.8	.00	73.6
02:00	0.014181	22.0	22.1	.00	29.23	989.9	-2.3	.00	193.6
03:00	0.013611	21.9	21.2	.00	29.22	989.7	-1.9	.00	257.9
04:00	0.013781	21.5	21.5	.00	29.23	989.9	-3.0	.00	165.1
05:00	0.013932	21.4	21.7	.00	29.24	990.2	-3.0	.00	59.4
06:00	0.014077	21.7	21.9	.00	29.25	990.7	5.6	.01	71.4
07:00	0.014091	22.5	22.0	.00	29.28	991.6	60.2	.09	142.5
08:00	0.014386	23.0	22.4	.00	29.29	991.9	265.7	.38	224.7
09:00	0.014529	23.1	22.6	.00	29.30	992.1	365.7	.52	230.8
10:00	0.014798	23.7	23.1	.00	29.29	991.9	462.4	.66	202.8
11:00	0.014893	23.8	23.2	.00	29.28	991.4	474.6	.68	257.1
12:00	0.014849	23.9	23.1	.00	29.26	991.0	657.9	.94	196.6
13:00	0.014632	23.6	22.8	.00	29.24	990.4	937.2	1.34	140.7
14:00	0.014439	23.1	22.4	.00	29.22	989.4	858.6	1.23	175.7
15:00	0.013764	22.3	21.4	.00	29.19	988.5	775.1	1.11	173.6
16:00	0.013664	22.3	21.2	.00	29.17	988.0	359.1	.51	316.7
17:00	0.01404	22.6	21.8	.00	29.15	987.2	415.0	.59	261.0
18:00	0.013565	21.7	21.1	.00	29.15	987.2	325.5	.47	174.6
19:00	0.014176	23.0	22.0	.00	29.15	987.2	96.1	.14	170.0
20:00	0.013269	21.1	20.6	.00	29.15	987.2	25.1	.04	210.6
21:00	0.012891	20.7	20.1	.00	29.16	987.5	-2.2	.00	214.3
22:00	0.013238	20.4	20.6	.00	29.18	988.2	-2.2	.00	216.6
23:00	0.013623	20.9	21.2	.00	29.19	988.7	-3.2	.00	257.6
Avg	0.014047	22.2	21.9	.00	29.22	989.6	252.5	.36	194.0
Max	0.014893	23.9	23.2	.00	29.30	992.1	937.2	1.34	316.7
Hr. of Max	11	12	11	23	09	09	13	13	16
Min	0.012891	20.4	20.1	.00	29.15	987.2	-3.2	.00	57.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/12/2017

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	53.4	207.5	18.7	198.2	32.3	18.0	13.9	.4	1.2
01:00	296.9	218.9	310.4	214.6	36.1	41.7	10.7	.1	.6
02:00	243.2	232.4	233.6	228.1	48.7	10.1	7.2	1.1	3.3
03:00	248.5	232.1	259.0	227.9	43.2	8.8	8.9	1.2	3.2
04:00	209.8	248.7	263.2	244.9	45.6	29.1	8.7	.3	1.0
05:00	39.0	27.9	29.1	30.5	18.7	14.3	49.3	.6	1.5
06:00	84.4	22.3	267.3	348.4	25.6	14.0	34.2	.2	.7
07:00	166.1	144.6	249.1	140.8	32.7	33.9	22.8	.3	.2
08:00	233.0	218.0	235.0	213.4	34.9	24.9	21.4	1.4	1.9
09:00	245.4	247.0	237.3	242.7	46.7	28.7	22.0	2.5	3.3
10:00	229.2	222.9	213.6	216.8	53.9	33.3	41.2	2.3	3.0
11:00	261.5	252.6	262.8	248.1	59.4	50.7	44.0	1.4	2.0
12:00	207.3	198.7	198.4	193.8	43.6	42.1	35.2	2.7	3.4
13:00	157.2	160.1	142.9	153.2	49.8	46.1	41.7	2.5	2.8
14:00	195.0	190.5	184.9	187.6	47.2	40.2	36.9	2.8	3.3
15:00	197.7	189.9	179.2	181.1	48.8	47.4	53.0	1.6	1.7
16:00	309.6	302.3	295.7	293.7	54.4	24.8	26.8	1.2	1.7
17:00	2.2	11.7	282.8	1.0	56.3	48.6	48.9	.1	.7
18:00	183.6	176.2	185.2	171.0	30.7	20.6	21.6	2.3	2.8
19:00	168.7	144.5	223.3	137.7	37.9	33.4	17.2	.6	1.4
20:00	206.9	196.2	213.5	192.0	21.2	15.4	13.5	3.5	5.4
21:00	205.0	196.4	218.1	192.0	16.3	10.4	9.3	2.8	4.9
22:00	206.4	192.9	223.1	188.3	21.8	12.1	9.5	2.3	4.2
23:00	256.1	242.7	254.3	238.5	25.2	17.4	13.0	1.3	2.6
Avg	218.0	211.0	237.0	208.0	38.8	27.8	25.5	.0	.0
Max	309.6	302.3	310.4	348.4	59.4	50.7	53.0	3.5	5.4
Hr. of Max	16	16	01	06	11	11	15	20	20
Min	2.2	11.7	18.7	1.0	16.3	8.8	7.2	.1	.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)

6/12/2017

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	1.4	.5	1.2	1.5	.9	1.8	.9	-.1	.00
01:00	3.3	.2	1.2	3.3	.7	3.6	1.0	-1.8	.01
02:00	5.5	1.3	3.4	5.6	1.7	5.9	1.8	-.5	.05
03:00	4.6	1.4	3.3	4.9	1.8	5.2	.6	-.9	.00
04:00	2.8	.7	1.3	2.9	1.1	3.1	.4	-.1	.00
05:00	1.0	.6	1.6	1.1	.9	1.4	1.6	1.6	.01
06:00	.5	.2	.8	.7	.7	1.0	1.5	-.9	.02
07:00	.4	.5	.2	.5	1.0	.8	.7	-.5	.01
08:00	2.4	1.7	2.2	2.6	2.0	2.8	1.8	-1.8	.04
09:00	3.7	2.8	3.6	4.0	3.3	4.4	-.6	-3.7	-.21
10:00	3.6	3.0	3.6	4.1	3.6	4.6	6.5	-.3	.21
11:00	2.3	2.3	2.9	3.0	2.7	3.5	-.8	-1.7	-.12
12:00	3.8	3.6	4.1	4.4	4.1	5.0	2.5	8.3	.09
13:00	3.0	3.7	3.7	3.7	4.3	4.3	1.9	1.7	.05
14:00	3.9	3.4	3.8	4.4	4.0	4.9	5.5	5.2	.23
15:00	1.9	2.5	2.7	2.9	3.1	3.6	4.6	8.0	.28
16:00	1.5	1.5	2.0	1.8	1.9	2.1	4.0	-7.9	.05
17:00	1.0	2.1	2.4	2.6	2.7	3.1	-1.0	3.6	-.02
18:00	3.0	2.6	3.0	3.2	3.1	3.6	1.8	-6.2	.08
19:00	2.5	1.3	1.7	2.6	1.8	3.1	2.5	2.4	.11
20:00	7.1	3.8	5.6	7.3	4.2	7.7	.6	-1.3	-.07
21:00	6.2	3.0	5.0	6.4	3.4	6.6	-1.0	-2.0	-.10
22:00	5.5	2.5	4.4	5.6	2.9	5.8	-.8	-2.6	-.08
23:00	4.3	1.7	2.8	4.6	2.0	4.8	-.2	-.4	-.03
Avg	.0	2.0	2.8	3.5	2.4	3.9	1.5	-.1	.03
Max	7.1	3.8	5.6	7.3	4.3	7.7	6.5	8.3	.28
Hr. of Max	20	20	20	20	13	20	10	12	15
Min	.4	.2	.2	.5	.7	.8	-1.0	-7.9	-.21
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/12/2017

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	-.04	1.8	2.5	5.0	10.4	12.9	23.7	25.1
01:00	-.10	1.8	3.4	7.1	7.6	7.1	23.3	25.1
02:00	-.07	3.7	8.2	10.8	9.3	4.5	23.8	24.9
03:00	-.11	5.0	10.1	17.6	8.4	4.8	23.8	24.7
04:00	-.01	3.7	5.0	12.6	5.4	4.1	22.8	24.1
05:00	.07	2.5	3.2	2.7	8.4	7.6	22.4	23.5
06:00	.00	1.4	2.7	3.0	10.2	12.8	22.3	23.2
07:00	-.01	2.7	1.6	2.1	6.7	9.0	22.6	23.3
08:00	-.09	4.4	4.1	4.6	19.1	11.7	24.3	24.1
09:00	-.50	9.6	11.2	9.4	22.1	18.6	26.0	25.2
10:00	-.22	8.7	9.4	10.8	24.8	24.5	27.0	26.2
11:00	-.14	6.9	7.6	6.6	24.1	26.0	27.7	26.9
12:00	.62	9.2	8.9	8.9	21.1	22.7	28.7	27.9
13:00	.13	11.4	11.9	11.2	23.3	27.7	29.4	28.6
14:00	.24	9.8	11.7	11.0	24.2	26.5	30.2	29.4
15:00	.49	8.9	14.0	13.7	26.0	31.7	30.7	30.0
16:00	-.38	4.8	5.3	5.5	27.7	25.6	30.8	30.1
17:00	.26	6.2	6.0	6.6	25.2	28.1	31.1	30.3
18:00	-.39	7.8	7.3	6.9	22.4	19.2	31.2	30.4
19:00	.17	4.6	4.8	8.9	16.8	14.2	29.9	30.2
20:00	-.28	11.4	12.1	16.0	14.8	9.7	28.1	27.9
21:00	-.23	6.9	9.4	13.5	8.8	6.3	26.9	26.9
22:00	-.29	9.4	13.3	11.0	9.8	7.0	26.1	26.1
23:00	-.04	4.8	7.8	9.2	9.8	4.7	24.8	25.6
Avg	-.04	6.1	7.6	8.9	16.1	15.3	26.6	26.7
Max	.62	11.4	14.0	17.6	27.7	31.7	31.2	30.4
Hr. of Max	12	20	15	03	16	15	18	18
Min	-.50	1.4	1.6	2.1	5.4	4.1	22.3	23.2
Count	24	24	24	24	24	24	24	24
Total								