Date Printed: 04/15/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/14/2017

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	12.7	15.4	16.5	18.4	2.74	3.84	5.78	1.10	3.05
01:00	11.8	14.3	15.3	17.3	2.51	3.47	5.54	.96	3.03
02:00	10.3	13.0	13.8	15.6	2.64	3.43	5.22	.78	2.58
03:00	9.6	12.2	12.9	14.8	2.56	3.26	5.11	.70	2.56
04:00	9.6	11.4	12.2	14.1	1.81	2.58	4.53	.77	2.72
05:00	8.9	10.8	11.6	13.2	1.85	2.66	4.24	.81	2.39
06:00	7.9	10.1	10.8	11.9	2.19	2.85	4.00	.66	1.81
07:00	8.4	9.8	10.4	11.6	1.37	2.00	3.14	.63	1.77
08:00	11.7	11.6	11.7	12.5	-.07	.04	.81	.11	.87
09:00	16.4	16.1	15.9	15.9	-.29	-.49	-.48	-.20	-.19
10:00	20.8	20.3	20.1	20.0	-.48	-.69	-.77	-.21	-.29
11:00	23.9	23.0	22.7	22.6	-.87	-1.17	-1.24	-.30	-.37
12:00	25.8	24.9	24.5	24.4	-.99	-1.33	-1.44	-.34	-.45
13:00	27.3	26.3	26.0	25.9	-.96	-1.29	-1.38	-.33	-.42
14:00	28.9	27.9	27.6	27.5	-1.01	-1.34	-1.40	-.33	-.39
15:00	29.6	28.8	28.5	28.4	-.82	-1.14	-1.23	-.31	-.41
16:00	29.5	28.8	28.5	28.4	-.67	-.99	-1.12	-.32	-.45
17:00	29.2	28.8	28.5	28.4	-.39	-.71	-.89	-.31	-.49
18:00	28.2	28.3	28.0	27.9	.03	-.20	-.30	-.23	-.33
19:00	26.9	27.2	27.0	27.0	.28	.12	.08	-.16	-.20
20:00	24.6	25.0	24.9	25.0	.45	.38	.40	-.07	-.05
21:00	21.6	23.6	23.8	23.9	2.01	2.20	2.27	.19	.27
22:00	19.2	22.0	22.8	23.0	2.83	3.65	3.81	.82	.98
23:00	17.8	20.2	21.3	22.3	2.46	3.48	4.54	1.02	2.08
Avg	19.2	20.0	20.2	20.8	.80	1.03	1.63	.23	.84
Max	29.6	28.8	28.5	28.4	2.83	3.84	5.78	1.10	3.05
Hr. of Max	15	17	17	17	22	00	00	00	00
Min	7.9	9.8	10.4	11.6	-1.01	-1.34	-1.44	-.34	-.49
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/14/2017

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	5.4	5.5	7.8	18.1	62.0	52.4	6.8	6.8	0.005699
01:00	5.6	5.8	7.6	17.9	66.5	57.6	6.9	7.0	0.005763
02:00	5.5	5.8	7.1	17.7	72.7	62.3	6.9	7.0	0.005734
03:00	5.7	5.9	7.0	17.4	77.0	66.2	7.0	7.1	0.005794
04:00	5.9	6.2	7.1	17.2	78.3	71.3	7.1	7.3	0.005873
05:00	5.6	5.6	6.7	16.9	80.1	71.0	7.0	7.0	0.005752
06:00	5.2	5.2	6.1	16.7	83.7	72.6	6.8	6.8	0.005592
07:00	5.5	5.4	6.5	16.5	82.8	75.0	7.0	6.9	0.005731
08:00	6.8	5.9	8.4	16.3	72.9	68.7	7.5	7.1	0.006261
09:00	7.0	5.9	10.1	16.1	54.9	51.8	7.6	7.0	0.006376
10:00	7.3	5.8	11.8	16.0	42.6	39.5	7.7	6.9	0.006561
11:00	9.1	8.0	14.0	16.2	40.0	39.1	8.6	8.0	0.007421
12:00	9.9	8.9	15.2	16.6	37.6	37.3	9.0	8.4	0.007864
13:00	9.4	8.3	15.4	17.2	33.5	32.9	8.7	8.1	0.007626
14:00	6.8	5.5	14.1	17.9	25.8	25.0	7.3	6.7	0.006442
15:00	5.3	4.0	13.4	18.4	22.2	21.2	6.6	6.0	0.005821
16:00	5.3	3.7	13.3	18.8	22.3	20.8	6.6	5.9	0.005801
17:00	6.2	5.1	13.9	19.1	24.1	22.9	7.0	6.5	0.00618
18:00	6.8	6.0	13.9	19.3	26.6	25.2	7.3	6.9	0.00642
19:00	8.2	7.7	14.5	19.4	31.6	30.0	8.0	7.7	0.007052
20:00	9.9	9.6	14.8	19.4	40.4	38.6	9.0	8.8	0.007835
21:00	10.4	9.9	14.1	19.3	49.9	42.9	9.3	9.0	0.008062
22:00	10.8	10.3	13.6	19.2	59.6	48.5	9.7	9.3	0.008297
23:00	11.0	10.9	13.3	19.0	65.6	56.1	9.8	9.7	0.008385
Avg	7.3	6.7	11.2	17.8	52.2	47.0	7.7	7.4	0.006598
Max	11.0	10.9	15.4	19.4	83.7	75.0	9.8	9.7	0.008385
Hr. of Max	23	23	13	20	06	07	23	23	23
Min	5.2	3.7	6.1	16.0	22.2	20.8	6.6	5.9	0.005592
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/14/2017

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	0.005756	9.0	9.1	.00	29.31	992.4	-2.4	.00	84.8
01:00	0.005892	9.1	9.3	.00	29.30	992.4	-2.1	.00	80.6
02:00	0.005853	9.1	9.2	.00	29.30	992.2	-2.8	.00	86.1
03:00	0.005907	9.2	9.3	.00	29.30	992.1	-1.8	.00	74.9
04:00	0.006031	9.3	9.5	.00	29.30	992.3	-2.4	.00	77.5
05:00	0.00577	9.1	9.1	.00	29.31	992.4	-2.2	.00	87.4
06:00	0.00563	8.8	8.9	.00	29.32	992.9	-2.1	.00	101.5
07:00	0.0057	9.1	9.0	.00	29.34	993.6	42.3	.06	73.1
08:00	0.00588	9.9	9.3	.00	29.36	994.3	232.7	.33	102.8
09:00	0.005899	10.1	9.3	.00	29.37	994.6	460.5	.66	108.7
10:00	0.005917	10.4	9.4	.00	29.37	994.6	652.3	.94	113.3
11:00	0.006895	11.7	10.9	.00	29.37	994.5	801.5	1.15	229.8
12:00	0.007351	12.4	11.6	.00	29.35	994.0	905.1	1.30	237.9
13:00	0.007081	12.0	11.2	.00	29.32	993.1	955.5	1.37	187.3
14:00	0.0059	10.2	9.3	.00	29.29	992.0	959.0	1.37	203.5
15:00	0.005302	9.2	8.4	.00	29.27	991.2	815.8	1.17	211.8
16:00	0.00521	9.2	8.2	.00	29.25	990.7	650.0	.93	207.8
17:00	0.00572	9.7	9.0	.00	29.25	990.4	388.2	.56	182.7
18:00	0.006087	10.1	9.6	.00	29.25	990.5	166.1	.24	179.8
19:00	0.006803	11.1	10.7	.00	29.25	990.6	57.8	.08	195.7
20:00	0.007698	12.3	12.1	.00	29.27	991.1	-1.7	.00	207.5
21:00	0.00785	12.7	12.4	.00	29.29	991.8	-3.7	-.01	205.4
22:00	0.008041	13.1	12.7	.00	29.30	992.4	-3.0	.00	255.6
23:00	0.008361	13.2	13.2	.00	29.31	992.6	-1.4	.00	86.2
Avg	0.006356	10.4	10.0	.00	29.31	992.4	294.2	.42	146.0
Max	0.008361	13.2	13.2	.00	29.37	994.6	959.0	1.37	255.6
Hr. of Max	23	23	23	23	11	10	14	14	22
Min	0.00521	8.8	8.2	.00	29.25	990.4	-3.7	-.01	73.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/14/2017

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	63.1	54.0	59.3	44.5	7.9	7.2	4.0	.3	1.7
01:00	59.7	50.1	63.0	40.5	6.4	5.4	4.9	.7	2.3
02:00	68.0	51.0	69.7	41.0	10.3	18.8	9.0	.0	.7
03:00	55.2	50.7	35.6	53.3	7.0	5.2	8.2	.5	1.0
04:00	59.2	54.5	70.2	44.6	9.6	6.7	6.3	.7	2.6
05:00	61.4	61.5	73.0	52.8	29.7	16.5	6.5	1.0	2.7
06:00	77.6	60.2	265.0	52.4	50.7	44.3	9.5	.1	.8
07:00	55.2	57.7	66.2	49.3	12.3	5.4	4.8	1.1	2.3
08:00	61.3	40.8	105.1	29.9	12.2	16.9	7.1	1.1	1.6
09:00	87.2	51.9	110.8	43.8	17.6	43.7	35.8	1.4	1.1
10:00	145.7	154.0	120.0	148.7	45.2	50.3	42.0	1.1	.9
11:00	234.8	231.9	231.6	226.9	31.2	23.9	25.5	3.8	4.6
12:00	243.1	237.4	239.0	232.7	36.6	25.5	22.4	4.3	5.4
13:00	202.6	201.6	195.7	196.2	51.7	40.4	30.7	3.5	4.5
14:00	218.8	224.6	210.7	220.4	52.1	48.3	44.8	3.0	3.6
15:00	222.1	218.5	211.9	214.1	43.1	38.7	34.0	4.1	5.2
16:00	215.2	211.5	212.3	205.8	52.6	46.2	36.3	2.9	3.8
17:00	190.2	187.9	185.6	183.0	27.5	25.9	22.3	5.2	6.2
18:00	192.7	189.9	182.6	185.1	22.2	20.9	19.8	5.1	6.5
19:00	200.7	192.1	200.4	187.5	24.1	19.0	15.6	4.1	5.8
20:00	211.1	204.6	211.8	200.1	22.7	16.3	13.1	3.7	5.6
21:00	211.0	206.5	217.6	202.4	15.1	9.2	8.2	1.9	4.2
22:00	235.2	224.6	253.0	220.6	46.1	13.9	9.3	.8	3.1
23:00	5.3	259.4	43.6	258.6	32.9	29.8	23.6	.3	.3
Avg	149.0	163.0	160.0	161.0	27.8	24.1	18.5	.0	.0
Max	243.1	259.4	265.0	258.6	52.6	50.3	44.8	5.2	6.5
Hr. of Max	12	23	06	23	16	10	14	17	18
Min	5.3	40.8	35.6	29.9	6.4	5.2	4.0	.0	.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/14/2017

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	3.8	.3	1.7	3.8	.6	4.0	2.6	.9	.04
01:00	3.3	.7	2.3	3.4	.9	3.5	1.8	2.5	.02
02:00	1.6	.0	.8	1.7	.3	1.9	2.1	1.2	.02
03:00	1.1	.5	1.0	1.1	.8	1.4	1.3	2.0	.02
04:00	3.1	.8	2.7	3.3	1.1	3.5	3.0	2.9	.05
05:00	4.7	1.1	2.8	4.8	1.4	5.0	2.6	2.2	.05
06:00	2.0	.2	.9	2.1	.8	2.3	2.5	.3	.04
07:00	3.8	1.1	2.3	3.8	1.3	4.0	.4	2.2	-.01
08:00	3.7	1.1	1.7	3.7	1.5	3.9	1.4	-1.4	.07
09:00	1.2	1.5	1.3	1.4	2.0	1.8	3.1	-1.4	.16
10:00	.9	1.7	1.5	1.6	2.2	2.2	-2.2	-7.2	.01
11:00	4.9	4.3	5.0	5.2	4.9	5.9	-2.3	-4.4	-.26
12:00	5.9	4.9	5.8	6.2	5.5	7.0	-.8	-3.2	-.20
13:00	5.2	4.6	5.3	5.8	5.3	6.5	-.3	-4.3	.01
14:00	4.2	4.5	5.1	5.4	5.2	6.0	1.0	.0	-.02
15:00	6.0	5.3	6.4	7.1	6.1	7.8	2.2	3.1	.09
16:00	4.5	4.6	5.3	5.8	5.1	6.5	2.6	-3.6	.05
17:00	7.0	5.8	6.7	7.5	6.3	7.9	2.3	1.4	.03
18:00	7.8	5.5	6.9	8.2	6.0	8.6	1.6	-.3	-.04
19:00	7.5	4.4	6.1	7.7	5.0	8.1	.4	-1.5	-.13
20:00	7.4	4.0	5.8	7.7	4.5	8.1	.2	-3.2	-.10
21:00	5.8	2.0	4.2	5.9	2.5	6.2	-.8	-2.4	-.06
22:00	4.5	1.4	3.5	4.8	1.8	5.0	1.6	-1.8	.02
23:00	1.7	.4	1.4	1.9	.9	2.2	1.3	-.8	.01
Avg	.0	2.5	3.6	4.6	3.0	5.0	1.2	-.7	-.01
Max	7.8	5.8	6.9	8.2	6.3	8.6	3.1	3.1	.16
Hr. of Max	18	17	18	18	17	18	09	15	09
Min	.9	.0	.8	1.1	.3	1.4	-2.3	-7.2	-.26
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/14/2017

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	.06	2.5	3.7	6.9	8.7	2.3	15.6	18.5
01:00	.16	2.5	7.3	8.0	7.6	2.4	14.5	17.4
02:00	.03	.9	2.7	5.3	6.5	3.6	13.3	15.7
03:00	.06	2.5	2.7	2.5	5.9	4.1	12.5	15.0
04:00	.17	2.5	4.8	6.0	8.4	2.7	11.8	14.2
05:00	.20	3.2	6.4	8.5	10.0	2.5	11.1	13.3
06:00	.02	2.3	2.1	8.0	8.9	4.4	10.4	12.0
07:00	.16	3.0	3.4	5.3	8.4	3.0	10.2	11.8
08:00	-.09	3.7	3.7	10.1	16.7	6.2	12.1	12.6
09:00	-.02	4.1	5.5	5.0	24.3	25.5	16.5	16.1
10:00	-.21	6.4	6.0	7.6	29.2	32.8	20.6	20.0
11:00	-.54	10.8	10.3	11.2	19.3	22.6	23.1	22.3
12:00	-.57	11.4	16.3	17.4	20.5	20.3	25.0	24.1
13:00	-.47	13.3	13.1	12.8	22.7	23.7	26.4	25.5
14:00	-.06	14.2	15.8	16.7	23.4	25.2	27.8	26.9
15:00	.33	16.5	15.8	15.3	19.8	21.0	28.6	27.7
16:00	-.32	14.9	14.4	13.3	20.1	24.4	28.7	27.8
17:00	-.02	13.1	14.2	14.9	17.5	17.2	28.8	27.9
18:00	-.31	14.4	14.0	15.6	16.5	14.1	28.3	27.6
19:00	-.44	14.9	15.6	18.3	16.6	13.4	27.4	26.8
20:00	-.53	12.6	12.6	15.3	15.1	9.7	25.5	25.0
21:00	-.30	6.9	10.5	13.7	8.4	5.5	24.1	24.0
22:00	-.17	5.3	7.8	10.1	11.0	4.9	22.5	23.2
23:00	-.03	2.3	4.6	7.3	9.1	8.3	20.7	22.5
Avg	-.12	7.7	8.9	10.6	14.8	12.5	20.2	20.7
Max	.33	16.5	16.3	18.3	29.2	32.8	28.8	27.9
Hr. of Max	15	15	12	19	10	10	17	17
Min	-.57	.9	2.1	2.5	5.9	2.3	10.2	11.8
Count	24	24	24	24	24	24	24	24
Total								