Date Printed: 12/03/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

12/2/2016

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	-.8	1.3	2.0	3.3	2.10	2.82	4.13	.72	2.02
01:00	-1.3	.4	1.2	2.5	1.68	2.49	3.77	.81	2.09
02:00	-1.5	-.2	.5	1.8	1.34	1.98	3.33	.64	1.99
03:00	-1.9	-.3	.2	1.6	1.53	2.07	3.50	.54	1.97
04:00	-1.9	-.6	.3	2.2	1.31	2.23	4.16	.92	2.85
05:00	-2.1	-.7	.1	1.5	1.44	2.23	3.64	.79	2.20
06:00	-2.3	-.7	.1	1.0	1.57	2.38	3.27	.81	1.70
07:00	-2.5	-1.4	-.3	.5	1.13	2.21	2.94	1.08	1.81
08:00	-.8	-.2	.4	1.0	.55	1.12	1.79	.57	1.24
09:00	2.6	2.3	2.3	2.5	-.27	-.23	-.03	.03	.24
10:00	6.1	5.4	5.2	5.1	-.71	-.95	-1.03	-.24	-.32
11:00	9.0	8.2	7.9	7.7	-.82	-1.16	-1.33	-.33	-.51
12:00	10.9	10.0	9.7	9.6	-.94	-1.25	-1.36	-.31	-.42
13:00	12.0	11.1	10.8	10.7	-.91	-1.18	-1.28	-.26	-.37
14:00	13.0	12.2	11.9	11.8	-.82	-1.09	-1.20	-.27	-.39
15:00	13.3	12.7	12.4	12.3	-.55	-.84	-.96	-.29	-.41
16:00	12.6	12.7	12.5	12.5	.06	-.10	-.17	-.16	-.24
17:00	8.4	11.8	12.2	12.2	3.36	3.74	3.79	.38	.43
18:00	6.9	11.4	11.5	11.5	4.51	4.57	4.60	.06	.10
19:00	5.0 P	9.8 P	10.5 P	10.6 P	P	P	P	P	P
20:00	3.7	7.3	8.9	10.0	3.62	5.16	6.25	1.54	2.63
21:00	3.2	6.2	8.3	9.4	3.06	5.19	6.28	2.13	3.22
22:00	2.4	4.7	6.9	8.3	2.31	4.57	5.96	2.26	3.65
23:00	1.5	3.8	5.5	7.2	2.26	3.95	5.68	1.69	3.42
Avg	4.0	5.3	5.9	6.5	1.17	1.74	2.42	.57	1.26
Max	13.3	12.7	12.5	12.5	4.51	5.19	6.28	2.26	3.65
Hr. of Max	15	16	16	16	18	21	21	22	22
Min	-2.5	-1.4	-.3	.5	-.94	-1.25	-1.36	-.33	-.51
Count	24	24	24	24	23	23	23	23	23
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

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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	-1.9	-1.6	-1.5	10.6	93.1	81.4	4.2	4.3	0.00337
01:00	-2.2	-1.9	-1.9	10.4	93.5	84.8	4.1	4.2	0.003277
02:00	-2.4	-1.9	-2.1	10.2	94.1	88.9	4.1	4.2	0.003233
03:00	-2.7	-1.6	-2.4	10.0	94.4	91.3	4.0	4.3	0.003161
04:00	-2.8	-1.5	-2.5	9.8	94.5	94.1	4.0	4.3	0.003141
05:00	-3.0	-1.4	-2.7	9.6	93.9	94.9	3.9	4.4	0.003086
06:00	-3.2	-1.5	-2.9	9.4	93.5	94.9	3.8	4.4	0.00303
07:00	-3.5	-2.1	-3.2	9.2	93.2	95.0	3.8	4.2	0.002973
08:00	-1.7	-1.4	-1.4	9.1	93.7	91.9	4.3	4.4	0.003395
09:00	-.1	-1.1	.8	8.9	83.3	78.9	4.8	4.4	0.003823
10:00	-.7	-1.9	1.5	8.8	62.2	59.8	4.5	4.1	0.003663
11:00	-1.1	-2.1	2.3	8.8	49.6	48.7	4.4	4.1	0.003575
12:00	-2.1	-3.1	2.3	8.8	40.8	40.3	4.0	3.8	0.003341
13:00	-2.3	-3.1	2.4	8.9	37.4	37.6	4.0	3.8	0.003288
14:00	-2.4	-3.3	2.8	9.1	34.9	34.4	3.9	3.7	0.003284
15:00	-2.5	-3.4	2.7	9.2	33.9	33.0	3.9	3.7	0.003243
16:00	-1.8	-3.0	3.0	9.4	37.3	34.0	4.1	3.8	0.003423
17:00	.4	-2.6	3.1	9.6	58.0	37.1	4.9	3.9	0.004001
18:00	.5	-3.8	2.7	9.8	64.4	34.8	4.9	3.6	0.004016
19:00	P	P	P	9.8 P	71.2 P	38.8 P	P	P	P
20:00	.1	-3.0	1.3	9.8	77.8	48.6	4.8	3.8	0.00388
21:00	-.2	-2.1	.9	9.8	78.9	56.0	4.7	4.1	0.003786
22:00	-.3	-.9	.6	9.7	83.0	68.1	4.7	4.5	0.003757
23:00	-.5	-.2	.2	9.6	86.9	75.5	4.7	4.7	0.003712
Avg	-1.6	-2.1	.3	9.5	72.6	64.3	4.3	4.1	0.003455
Max	.5	-.2	3.1	10.6	94.5	95.0	4.9	4.7	0.004016
Hr. of Max	18	23	17	00	04	07	18	23	18
Min	-3.5	-3.8	-3.2	8.8	33.9	33.0	3.8	3.6	0.002973
Count	23	23	23	24	24	24	23	23	23
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/2/2016

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	0.003432	5.3	5.4	.00	29.19	988.5	-2.7	.00	97.8
01:00	0.003359	5.2	5.3	.00	29.20	989.0	-2.7	.00	227.7
02:00	0.003372	5.1	5.3	.00	29.22	989.7	-2.6	.00	235.6
03:00	0.003422	5.0	5.4	.00	29.24	990.1	-2.7	.00	198.5
04:00	0.003444	5.0	5.5	.00	29.25	990.7	-2.4	.00	238.2
05:00	0.003467	4.9	5.5	.00	29.27	991.3	-2.2	.00	231.5
06:00	0.003454	4.8	5.5	.00	29.28	991.7	-2.5	.00	254.0
07:00	0.003296	4.7	5.2	.00	29.30	992.3	11.3	.02	105.7
08:00	0.003463	5.4	5.5	.00	29.32	992.9	192.0	.28	96.3
09:00	0.003553	6.1	5.6	.00	29.33	993.4	300.4	.43	166.4
10:00	0.003354	5.8	5.3	.00	29.34	993.7	461.1	.66	197.8
11:00	0.003312	5.7	5.3	.00	29.34	993.5	546.4	.78	193.7
12:00	0.003098	5.3	4.9	.00	29.32	992.9	575.3	.82	225.0
13:00	0.003109	5.2	4.9	.00	29.30	992.3	488.7	.70	223.8
14:00	0.003062	5.2	4.9	.00	29.29	991.9	449.0	.64	228.7
15:00	0.003043	5.1	4.8	.00	29.29	991.8	319.7	.46	222.6
16:00	0.003134	5.4	5.0	.00	29.28	991.6	127.0	.18	211.9
17:00	0.003221	6.3	5.1	.00	29.30	992.4	3.7	.01	272.7
18:00	0.002946	6.4	4.7	.00	29.32	992.9	-2.4	.00	322.4
19:00	P	P	P	.00 P	29.34 P	993.5 P	-2.4 P	.00 P	271.8 P
20:00	0.003114	6.2	4.9	.00	29.34	993.6	-2.4	.00	257.5
21:00	0.003321	6.0	5.3	.00	29.35	993.9	-2.3	.00	223.4
22:00	0.003621	6.0	5.8	.00	29.37	994.5	-2.6	.00	99.5
23:00	0.003788	5.9	6.0	.00	29.36	994.4	-2.5	.00	88.4
Avg	0.003321	5.5	5.3	.00	29.30	992.2	143.4	.21	214.0
Max	0.003788	6.4	6.0	.00	29.37	994.5	575.3	.82	322.4
Hr. of Max	23	18	23	23	22	22	12	12	18
Min	0.002946	4.7	4.7	.00	29.19	988.5	-2.7	.00	88.4
Count	23	23	23	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/2/2016

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	32.6	306.1	254.4	250.1	46.4	27.0	15.7	.1	.6
01:00	234.5	234.9	236.7	230.2	13.4	5.4	5.8	1.5	2.6
02:00	233.3	239.6	249.6	234.3	28.3	4.8	9.2	1.6	3.4
03:00	237.4	247.9	249.3	242.4	33.5	6.1	5.5	.9	2.6
04:00	227.2	247.1	242.1	242.0	9.0	3.7	5.0	2.1	4.2
05:00	215.3	236.6	253.8	231.6	36.7	38.6	17.0	1.1	2.8
06:00	251.2	212.8	259.6	208.7	41.8	37.3	7.9	1.3	2.2
07:00	273.9	225.6	245.5	222.0	36.3	33.1	14.5	.0	.4
08:00	306.0	207.7	189.2	203.0	16.4	22.1	11.7	.1	1.2
09:00	213.4	213.3	189.3	208.0	21.2	13.4	10.1	1.1	2.4
10:00	212.7	215.6	203.5	210.9	18.8	15.5	13.6	3.4	3.7
11:00	206.2	211.6	197.6	205.9	34.6	32.2	27.8	3.4	3.8
12:00	234.1	233.4	226.1	228.4	30.3	24.8	20.5	5.5	6.5
13:00	238.1	240.6	227.1	235.8	25.0	20.8	19.7	6.2	7.3
14:00	243.0	247.7	232.0	242.0	29.6	29.6	27.4	4.7	5.3
15:00	235.9	236.3	224.5	231.5	39.3	32.8	27.9	3.1	3.8
16:00	223.3	224.4	215.6	219.8	22.1	20.4	17.9	2.8	3.9
17:00	264.4	262.1	268.6	256.4	24.9	19.1	13.0	2.0	3.4
18:00	318.2	315.2	307.6	305.5	22.9	15.1	13.2	2.1	3.8
19:00	282.6 P	294.9 P	269.3 P	287.6 P	21.9 P	15.1 P	11.7 P	1.3 P	2.3 P
20:00	228.9	278.0	255.5	271.9	18.9	6.2	7.7	1.0	2.5
21:00	238.0	269.9	248.0	264.4	32.4	8.1	7.1	1.3	3.4
22:00	301.0	278.0	51.0	275.2	37.8	34.2	19.9	.2	1.1
23:00	31.3	.9	93.3	349.7	14.3	13.2	15.6	.5	1.2
Avg	248.0	248.0	236.0	241.0	27.3	19.9	14.4	.0	.0
Max	318.2	315.2	307.6	349.7	46.4	38.6	27.9	6.2	7.3
Hr. of Max	18	18	18	23	00	05	15	13	13
Min	31.3	.9	51.0	203.0	9.0	3.7	5.0	.0	.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/2/2016

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	.9	.1	.7	.9	.7	1.1	3.7	-.3	.05
01:00	3.2	1.6	2.6	3.3	2.0	3.5	1.1	1.2	.03
02:00	3.1	1.7	3.4	3.2	2.1	3.5	-.9	2.2	-.04
03:00	3.7	1.0	2.6	3.7	1.5	3.9	1.5	2.2	.03
04:00	4.6	2.2	4.2	4.7	2.6	5.0	.5	1.2	.02
05:00	3.3	1.6	3.1	3.4	2.1	3.7	.8	2.6	.02
06:00	3.1	1.3	2.3	3.1	1.8	3.4	-.1	.6	-.02
07:00	2.1	.0	.5	2.1	.5	2.4	1.8	-.5	.03
08:00	2.3	.2	1.3	2.4	.6	2.6	2.0	-1.2	.03
09:00	2.7	1.2	2.4	2.8	1.9	3.0	3.9	-1.3	.13
10:00	4.0	3.5	3.8	4.2	3.9	4.6	.1	-4.9	-.08
11:00	4.0	3.9	4.4	4.7	4.4	5.2	4.6	3.0	.33
12:00	7.4	6.2	7.2	7.9	6.8	8.6	.8	.5	-.07
13:00	8.2	6.7	7.7	8.6	7.5	9.4	-1.7	-5.0	-.33
14:00	5.6	5.3	5.9	6.1	5.7	6.7	-2.5	-3.6	-.29
15:00	4.4	3.8	4.5	4.9	4.2	5.4	2.4	2.0	.03
16:00	4.5	3.1	4.2	4.7	3.5	5.1	1.0	1.4	.04
17:00	4.1	2.5	3.8	4.6	2.6	4.8	-.5	.1	-.03
18:00	5.7	2.3	3.9	5.9	2.5	6.0	-2.9	-2.9	-.18
19:00	4.2 P	1.4 P	2.6 P	4.4 P	1.7 P	4.4 P	1.2 P	-1.0 P	.01 P
20:00	3.1	1.1	2.5	3.1	1.4	3.2	2.5	1.4	.06
21:00	4.4	1.3	3.5	4.5	1.8	4.6	2.8	.7	.05
22:00	3.0	1.4	2.2	3.4	1.7	3.6	2.2	1.1	.05
23:00	2.0	.5	1.7	2.7	.8	2.8	1.1	2.2	.01
Avg	.0	2.2	3.4	4.1	2.7	4.4	1.1	.1	-.01
Max	8.2	6.7	7.7	8.6	7.5	9.4	4.6	3.0	.33
Hr. of Max	13	13	13	13	13	13	11	11	11
Min	.9	.0	.5	.9	.5	1.1	-2.9	-5.0	-.33
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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12/2/2016

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	1.4	2.7	3.4	7.1	2.2	1.3	3.3
01:00	.08	4.4	5.5	5.7	5.1	2.6	.6	2.6
02:00	.14	4.8	9.8	8.2	7.1	3.1	.0	1.9
03:00	.15	3.2	5.0	6.2	6.0	2.6	-.2	1.7
04:00	.10	3.7	8.7	8.0	4.1	2.3	-.5	2.2
05:00	.16	5.0	6.9	12.4	7.3	6.6	-.5	1.6
06:00	.06	3.4	4.1	4.8	5.2	5.2	-.7	1.1
07:00	.00	2.1	7.8	8.5	6.9	5.8	-1.3	.5
08:00	-.05	1.6	4.1	3.9	8.7	2.5	.0	.9
09:00	-.06	3.7	5.7	6.0	20.4	8.9	2.5	2.3
10:00	-.41	8.5	8.5	7.8	17.4	14.1	5.4	4.7
11:00	.15	9.2	9.2	12.4	20.4	20.9	8.1	7.3
12:00	.00	15.3	16.3	16.7	17.3	16.2	9.8	9.0
13:00	-.88	15.3	18.1	17.9	15.1	14.4	10.9	10.2
14:00	-.56	14.0	16.9	23.1	17.3	17.2	12.1	11.3
15:00	-.07	9.6	10.5	11.2	21.0	19.6	12.7	11.9
16:00	.11	6.0	8.0	8.0	11.2	10.6	12.7	12.2
17:00	-.02	6.0	12.6	13.1	5.7	6.6	11.8	12.0
18:00	-.41	6.2	8.2	10.5	13.4	9.4	11.4	11.3
19:00	-.19 P	<	<	<	<	<	9.7 P	10.4 P
20:00	.07	2.3	4.8	7.3	6.6	6.1	7.1	9.8
21:00	.04	3.9	6.0	7.6	8.2	5.1	6.1	9.3
22:00	.04	6.2	8.2	10.1	11.0	9.6	4.7	8.2
23:00	.11	2.3	3.7	7.8	9.6	5.8	3.8	7.1
Avg	-.06	6.0	8.3	9.6	11.0	8.6	5.3	6.4
Max	.16	15.3	18.1	23.1	21.0	20.9	12.7	12.2
Hr. of Max	05	13	13	14	15	11	16	16
Min	-.88	1.4	2.7	3.4	4.1	2.2	-1.3	.5
Count	24	23	23	23	23	23	24	24
Total								