Date Printed: 11/04/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

11/3/2016

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	13.7	15.6	16.6	18.0	1.93	2.89	4.29	.95	2.36
01:00	12.9	14.9	16.1	17.8	1.93	3.14	4.84	1.21	2.91
02:00	13.0	14.3	15.1	16.9	1.35	2.12	3.95	.77	2.60
03:00	13.1	14.4	14.9	17.2	1.26	1.80	4.05	.54	2.79
04:00	13.4	14.5	15.0	16.4	1.13	1.59	3.04	.46	1.90
05:00	13.4	14.5	15.1	16.3	1.06	1.62	2.85	.56	1.78
06:00	13.2	14.3	14.9	16.4	1.04	1.65	3.16	.61	2.12
07:00	12.9	14.0	14.7	16.1	1.12	1.82	3.26	.70	2.13
08:00	12.9	13.7	14.6	15.6	.82	1.70	2.66	.88	1.84
09:00	15.9	15.8	15.7	16.4	-.17	-.20	.48	-.03	.65
10:00	19.3	18.7	18.4	18.4	-.65	-.91	-.97	-.27	-.33
11:00	21.8	20.9	20.5	20.4	-.92	-1.28	-1.43	-.36	-.51
12:00	24.0	22.9	22.6	22.4	-1.07	-1.43	-1.55	-.35	-.47
13:00	25.8	24.6	24.3	24.1	-1.18	-1.49	-1.64	-.31	-.46
14:00	26.4	25.4	25.1	24.9	-.99	-1.35	-1.53	-.36	-.53
15:00	26.2	25.6	25.3	25.1	-.66	-.96	-1.07	-.30	-.41
16:00	27.0	26.3	25.9	25.8	-.69	-1.02	-1.14	-.33	-.45
17:00	26.6	26.3	26.1	26.0	-.30	-.54	-.63	-.24	-.33
18:00	25.1	25.2	25.1	25.1	.12	.00	-.03	-.12	-.14
19:00	23.5	24.3	24.4	24.4	.83	.84	.89	.01	.06
20:00	19.7	21.1	21.4	21.8	1.35	1.69	2.03	.34	.68
21:00	18.8	19.4	20.2	21.0	.62	1.35	2.18	.72	1.55
22:00	17.6	18.3	19.4	20.8	.79	1.89	3.21	1.10	2.42
23:00	16.5	18.4	20.1	20.6	1.92	3.60	4.07	1.68	2.15
Avg	18.9	19.3	19.6	20.3	.44	.77	1.46	.33	1.01
Max	27.0	26.3	26.1	26.0	1.93	3.60	4.84	1.68	2.91
Hr. of Max	16	17	17	17	01	23	01	23	01
Min	12.9	13.7	14.6	15.6	-1.18	-1.49	-1.64	-.36	-.53
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/3/2016

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	11.3	12.7	12.1	19.5	86.9	84.1	10.2	11.0	0.008531
01:00	11.1	12.4	11.7	19.3	89.6	86.8	10.0	10.9	0.008382
02:00	11.2	12.5	11.8	19.2	90.0	90.1	10.1	10.9	0.008439
03:00	11.3	12.5	11.9	19.0	89.7	89.8	10.1	11.0	0.008498
04:00	11.5	12.2	12.1	18.9	89.5	87.1	10.3	10.7	0.008625
05:00	11.6	12.4	12.2	18.8	90.2	88.6	10.4	10.9	0.008715
06:00	11.6	12.5	12.1	18.7	91.1	90.6	10.3	11.0	0.008676
07:00	11.4	12.4	11.9	18.6	91.8	91.8	10.2	10.9	0.008551
08:00	11.5	12.4	11.9	18.5	92.3	93.0	10.3	10.9	0.008611
09:00	12.7	12.3	13.8	18.4	82.5	81.4	11.0	10.8	0.009359
10:00	13.7	13.5	15.6	18.3	71.4	72.9	11.7	11.5	0.010043
11:00	14.0	13.8	16.6	18.4	62.3	65.0	11.8	11.7	0.010221
12:00	14.0	13.8	17.4	18.6	55.0	57.7	11.8	11.6	0.010301
13:00	13.4	13.2	17.5	18.8	47.4	50.4	11.2	11.2	0.009886
14:00	12.8	12.8	17.3	19.1	43.9	46.5	10.8	10.8	0.009533
15:00	12.2	12.2	16.9	19.4	42.8	44.3	10.4	10.4	0.0092
16:00	11.3	11.1	16.5	19.8	38.8	39.9	9.8	9.7	0.008679
17:00	9.5	9.4	15.2	20.1	35.0	35.3	8.7	8.6	0.007674
18:00	10.3	10.1	15.2	20.3	40.2	39.6	9.2	9.1	0.008069
19:00	11.1	10.8	15.2	20.4	46.8	43.6	9.8	9.6	0.008526
20:00	15.0	14.0	16.6	20.4	76.3	65.3	12.7	11.8	0.011008
21:00	15.8	15.2	16.8	20.4	84.3	78.0	13.4	12.8	0.011534
22:00	15.3	15.8	16.1	20.3	88.5	86.9	13.0	13.4	0.011193
23:00	14.5	15.2	15.2	20.2	89.4	83.1	12.4	12.9	0.010584
Avg	12.4	12.7	14.6	19.3	71.5	70.5	10.8	11.0	0.009285
Max	15.8	15.8	17.5	20.4	92.3	93.0	13.4	13.4	0.011534
Hr. of Max	21	22	13	21	08	08	21	22	21
Min	9.5	9.4	11.7	18.3	35.0	35.3	8.7	8.6	0.007674
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/3/2016

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	0.009351	13.4	14.7	.00	29.35	993.9	-2.5	.00	104.5
01:00	0.009199	13.2	14.5	.00	29.35	993.8	-2.6	.00	219.7
02:00	0.009229	13.3	14.5	.00	29.34	993.6	-1.8	.00	144.7
03:00	0.009235	13.4	14.5	.00	29.33	993.4	-2.5	.00	86.0
04:00	0.009042	13.6	14.2	.00	29.33	993.4	-2.9	.00	84.4
05:00	0.009169	13.7	14.4	.00	29.34	993.5	-3.0	.00	160.2
06:00	0.009234	13.7	14.5	.00	29.33	993.2	-2.8	.00	133.8
07:00	0.009192	13.5	14.5	.00	29.33	993.4	-1.9	.00	204.2
08:00	0.009154	13.6	14.4	.00	29.34	993.5	46.3	.07	89.9
09:00	0.009137	14.7	14.4	.00	29.34	993.7	196.7	.28	105.9
10:00	0.009859	15.8	15.5	.00	29.34	993.5	389.3	.56	194.1
11:00	0.010086	16.1	15.9	.00	29.33	993.3	488.9	.70	193.1
12:00	0.010127	16.2	15.9	.00	29.30	992.3	589.1	.84	192.9
13:00	0.009794	15.5	15.4	.00	29.26	991.0	643.6	.92	233.8
14:00	0.009527	14.9	14.9	.00	29.23	990.0	449.3	.64	223.8
15:00	0.009142	14.4	14.3	.00	29.21	989.3	291.3	.42	242.7
16:00	0.008584	13.6	13.5	.00	29.20	988.8	320.6	.46	233.4
17:00	0.00761	12.0	12.0	.00	29.20	988.7	160.3	.23	260.8
18:00	0.008006	12.7	12.6	.00	29.19	988.6	13.6	.02	249.6
19:00	0.008363	13.4	13.1	.00	29.20	988.8	-.9	.00	249.7
20:00	0.010268	17.2	16.1	.00	29.21	989.2	-1.4	.00	259.0
21:00	0.011096	18.0	17.3	.00	29.20	989.0	-2.2	.00	232.6
22:00	0.011557	17.5	18.0	.00	29.20	988.9	-2.6	.00	234.8
23:00	0.011078	16.5	17.3	.00	29.20	988.8	-2.1	.00	237.5
Avg	0.00946	14.6	14.9	.00	29.28	991.5	148.3	.21	200.0
Max	0.011557	18.0	18.0	.00	29.35	993.9	643.6	.92	260.8
Hr. of Max	22	21	22	23	01	00	13	13	17
Min	0.00761	12.0	12.0	.00	29.19	988.6	-3.0	.00	84.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/3/2016

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	323.9	206.7	196.6	201.1	53.1	52.2	10.9	.1	.1
01:00	237.4	227.9	236.0	223.8	33.3	8.7	6.1	1.1	1.9
02:00	265.4	251.8	225.5	247.1	30.9	23.4	9.7	.3	1.3
03:00	20.1	254.1	223.3	248.6	14.8	40.6	7.2	.1	.0
04:00	137.4	207.2	43.1	190.8	11.4	8.2	21.8	.1	.3
05:00	274.2	182.6	229.5	178.3	36.7	42.0	7.2	.2	.1
06:00	325.3	243.2	276.3	239.8	24.7	27.9	16.3	.4	.3
07:00	227.9	217.2	231.5	212.4	26.1	7.6	11.3	1.1	1.9
08:00	349.3	260.5	336.5	249.7	37.3	30.6	16.7	.1	.5
09:00	56.2	7.6	110.9	354.5	16.0	46.0	33.6	.7	.6
10:00	218.1	224.1	198.8	219.2	27.1	20.5	19.0	3.0	3.7
11:00	205.2	204.6	195.3	199.2	29.9	25.0	22.3	4.7	5.4
12:00	206.9	206.7	194.8	201.4	32.6	28.5	23.1	4.2	5.0
13:00	241.4	242.7	232.7	236.8	51.6	41.4	36.4	3.0	4.0
14:00	230.9	228.5	225.6	223.9	34.8	26.7	21.3	4.4	5.9
15:00	251.3	250.5	244.9	245.4	32.7	24.3	21.0	4.8	6.3
16:00	245.7	243.7	234.0	238.4	32.7	26.3	23.3	4.2	5.8
17:00	263.8	264.9	259.6	259.4	27.7	21.2	17.6	5.7	7.6
18:00	261.9	266.3	250.5	260.9	20.0	16.2	14.0	3.5	4.9
19:00	268.2	275.7	251.9	269.9	26.3	15.4	13.5	2.3	4.1
20:00	281.8	287.9	258.8	280.6	26.1	16.2	10.8	3.1	4.9
21:00	241.2	266.7	234.4	260.9	7.4	7.0	6.4	3.4	4.4
22:00	242.9	257.5	236.0	252.1	5.7	6.2	3.9	3.6	4.1
23:00	258.7	265.7	238.8	260.2	8.2	7.0	8.4	3.2	4.5
Avg	256.0	243.0	233.0	237.0	27.0	23.7	15.9	.0	.0
Max	349.3	287.9	336.5	354.5	53.1	52.2	36.4	5.7	7.6
Hr. of Max	08	20	08	09	00	00	13	17	17
Min	20.1	7.6	43.1	178.3	5.7	6.2	3.9	.1	.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/3/2016

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	1.2	.2	.2	1.3	.7	1.5	1.3	-1.1	.01
01:00	2.7	1.1	1.9	2.7	1.6	3.0	2.0	1.0	.05
02:00	2.0	.3	1.6	2.1	.7	2.3	1.2	1.1	.01
03:00	2.1	.1	.0	2.1	.5	2.3	2.4	.9	.03
04:00	.3	.1	.3	.4	.5	.7	2.0	-.7	.02
05:00	1.4	.2	.1	1.4	1.0	1.6	2.4	-1.4	.04
06:00	1.5	.4	.7	1.7	.8	1.9	1.0	.2	.01
07:00	2.4	1.2	2.0	2.7	1.8	2.9	1.6	.7	.04
08:00	1.5	.6	1.6	1.9	.9	2.0	1.7	.1	.03
09:00	.6	.8	.8	1.3	1.2	1.5	7.4	-2.9	.24
10:00	4.4	3.4	4.0	4.6	3.8	5.1	3.8	.6	.18
11:00	6.0	5.2	5.8	6.3	5.7	6.8	1.9	1.9	.06
12:00	5.6	5.0	5.6	6.0	5.5	6.6	1.1	2.4	.06
13:00	4.9	4.8	5.4	6.1	5.4	6.8	1.6	2.4	.00
14:00	7.3	5.2	6.6	7.8	5.8	8.4	3.8	.3	.24
15:00	7.1	5.5	6.9	7.7	6.0	8.2	-3.3	-5.0	-.44
16:00	6.9	5.1	6.6	7.8	5.7	8.4	1.3	2.5	-.08
17:00	9.4	6.3	8.2	9.9	6.8	10.4	-.2	.6	-.35
18:00	6.4	3.7	5.1	6.6	4.2	7.0	-1.7	.0	-.23
19:00	5.6	2.5	4.3	5.8	3.0	6.0	-1.4	-.7	-.10
20:00	7.2	3.5	5.3	7.6	3.8	7.6	-1.5	-1.4	-.15
21:00	3.9	3.4	4.4	4.0	3.8	4.1	-.2	.1	-.03
22:00	5.2	3.6	4.1	5.3	4.0	5.5	-.6	-.8	-.05
23:00	6.4	3.3	4.6	6.5	3.7	6.7	-.6	-.8	-.03
Avg	.0	2.7	3.6	4.6	3.2	4.9	1.1	.0	-.02
Max	9.4	6.3	8.2	9.9	6.8	10.4	7.4	2.5	.24
Hr. of Max	17	17	17	17	17	17	09	16	14
Min	.3	.1	.0	.4	.5	.7	-3.3	-5.0	-.44
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/3/2016

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	-.02	1.8	2.7	4.4	5.2	4.0	16.4	18.7
01:00	.05	3.2	4.4	5.5	5.7	3.7	15.7	18.6
02:00	.05	2.1	6.4	5.3	5.5	4.0	15.1	17.6
03:00	.04	1.1	.7	4.4	6.4	3.9	15.2	17.8
04:00	-.01	1.4	1.4	1.6	6.3	11.2	15.3	17.1
05:00	-.04	1.8	.9	3.2	5.3	4.5	15.3	17.0
06:00	.01	2.3	1.8	3.7	5.4	9.0	15.1	17.1
07:00	.03	3.4	4.6	5.0	4.9	6.7	14.8	16.8
08:00	.01	4.6	8.0	6.6	9.5	5.4	14.5	16.3
09:00	-.09	2.3	3.2	4.1	23.5	12.3	16.7	17.1
10:00	.01	8.9	9.8	10.3	20.5	16.3	19.5	18.8
11:00	.04	10.8	10.5	10.5	17.9	17.6	21.7	20.8
12:00	.24	13.1	17.4	16.5	17.6	19.0	23.6	22.8
13:00	.12	13.1	16.7	15.3	22.0	22.6	25.2	24.3
14:00	-.01	12.8	14.7	16.0	20.4	16.2	26.0	25.0
15:00	-.77	13.5	14.4	19.2	16.9	12.3	26.1	25.3
16:00	.09	15.1	16.3	20.4	18.1	15.6	26.7	25.9
17:00	-.19	16.9	29.3	38.2	18.7	13.3	26.7	25.9
18:00	-.17	12.8	13.5	14.9	13.7	10.7	25.7	25.2
19:00	-.14	8.5	13.3	16.9	13.3	10.0	24.9	24.6
20:00	-.22	13.1	18.1	22.7	9.7	6.6	22.0	22.3
21:00	.00	5.3	6.4	10.8	4.8	2.8	20.4	21.7
22:00	-.08	7.1	9.2	7.8	3.8	2.4	19.5	21.5
23:00	-.11	10.5	8.2	14.4	4.7	4.6	19.4	21.2
Avg	-.05	7.7	9.7	11.6	11.7	9.8	20.1	20.8
Max	.24	16.9	29.3	38.2	23.5	22.6	26.7	25.9
Hr. of Max	12	17	17	17	09	13	17	17
Min	-.77	1.1	.7	1.6	3.8	2.4	14.5	16.3
Count	24	24	24	24	24	24	24	24
Total								