Date Printed: 12/15/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

12/14/2016

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	5.9	5.9	5.9	5.8	.05	-.03	-.10	-.08	-.15
01:00	5.0	5.4	5.3	5.3	.33	.30	.23	-.03	-.10
02:00	4.7	4.9	4.8	4.8	.23	.18	.12	-.05	-.11
03:00	3.9	4.0	3.9	3.8	.05	-.07	-.14	-.12	-.19
04:00	3.3	3.5	3.5	3.5	.16	.13	.12	-.03	-.05
05:00	2.2	3.1	3.1	3.2	.87	.89	.98	.02	.11
06:00	1.0	2.5	2.8	3.0	1.46	1.83	2.06	.37	.60
07:00	.5	2.1	2.6	2.8	1.61	2.14	2.28	.53	.67
08:00	1.4	2.4	2.5	2.6	.98	1.11	1.16	.13	.18
09:00	3.4	3.4	3.2	3.1	-.02	-.16	-.26	-.14	-.23
10:00	5.0	4.6	4.3	4.1	-.37	-.73	-.94	-.36	-.56
11:00	6.0	5.5	5.2	5.1	-.46	-.76	-.95	-.30	-.49
12:00	6.5	6.1	5.7	5.6	-.44	-.76	-.95	-.32	-.52
13:00	6.8	6.5	6.2	6.0	-.38	-.68	-.85	-.30	-.46
14:00	7.0	6.8	6.5	6.3	-.25	-.52	-.66	-.27	-.41
15:00	7.6	7.2	6.9	6.7	-.41	-.70	-.87	-.29	-.46
16:00	7.6	7.5	7.3	7.2	-.10	-.29	-.40	-.19	-.30
17:00	4.9	6.4	6.8	6.8	1.55	1.93	1.96	.39	.41
18:00	2.4	4.8	5.3	6.1	2.35	2.85	3.66	.50	1.32
19:00	.9	3.2	4.4	5.6	2.33	3.53	4.78	1.20	2.45
20:00	.4	3.1	4.2	4.9	2.72	3.79	4.46	1.07	1.74
21:00	2.4	3.3	3.3	3.3	.80	.84	.84	.04	.04
22:00	2.5	3.1	3.1	3.2	.65	.67	.69	.03	.04
23:00	.7	2.8	3.1	3.2	2.06	2.38	2.46	.31	.40
Avg	3.8	4.5	4.6	4.7	.66	.74	.82	.09	.16
Max	7.6	7.5	7.3	7.2	2.72	3.79	4.78	1.20	2.45
Hr. of Max	16	16	16	16	20	20	19	19	19
Min	.4	2.1	2.5	2.6	-.46	-.76	-.95	-.36	-.56
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/14/2016

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	5.2	4.8	5.4	8.0	96.3	93.4	6.9	6.7	0.005624
01:00	4.1	3.1	4.4	8.0	94.5	85.8	6.4	5.9	0.005202
02:00	3.5	2.4	3.9	7.9	92.7	84.7	6.1	5.7	0.004969
03:00	2.3	1.7	2.8	7.9	89.6	85.4	5.6	5.4	0.004564
04:00	1.5	.8	2.1	7.9	88.6	83.3	5.4	5.1	0.004324
05:00	1.1	.6	1.5	7.8	93.2	84.1	5.2	5.0	0.0042
06:00	.4	.5	.6	7.7	96.5	87.7	5.0	5.0	0.003978
07:00	.0	.5	.2	7.6	97.0	89.6	4.8	5.0	0.003853
08:00	.9	.4	1.1	7.4	97.2	87.2	5.2	5.0	0.004129
09:00	1.7	.5	2.3	7.3	89.6	82.2	5.4	5.0	0.004373
10:00	1.2	.3	2.4	7.2	76.8	74.1	5.2	4.9	0.004208
11:00	.7	-.1	2.5	7.2	69.6	67.4	5.0	4.7	0.004086
12:00	.7	.0	2.6	7.3	67.1	65.8	5.0	4.8	0.004087
13:00	.6	.0	2.7	7.4	64.8	64.1	4.9	4.8	0.004045
14:00	.7	.4	2.8	7.6	64.7	64.3	5.0	4.9	0.004085
15:00	1.0	.5	3.2	7.7	63.4	63.1	5.1	4.9	0.004174
16:00	1.0	.3	3.2	7.8	63.6	61.1	5.1	4.9	0.004167
17:00	1.6	.5	2.7	7.8	80.1	66.4	5.3	4.9	0.004348
18:00	.9	.7	1.4	7.8	90.4	75.8	5.1	5.0	0.004131
19:00	-.2	.7	.2	7.7	93.4	84.2	4.8	5.0	0.00382
20:00	-.4	.9	-.2	7.6	94.5	85.7	4.7	5.1	0.003747
21:00	.5	.4	1.2	7.5	87.6	82.0	5.0	4.9	0.004014
22:00	-.3	-.5	.6	7.3	82.5	77.7	4.7	4.6	0.003783
23:00	-.7	-.9	-.2	7.2	90.5	76.9	4.6	4.5	0.003664
Avg	1.2	.8	2.1	7.6	84.3	78.0	5.2	5.1	0.004232
Max	5.2	4.8	5.4	8.0	97.2	93.4	6.9	6.7	0.005624
Hr. of Max	00	00	00	01	08	00	00	00	00
Min	-.7	-.9	-.2	7.2	63.4	61.1	4.6	4.5	0.003664
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/14/2016

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	0.005477	8.9	8.6	.01	29.19	988.7	-2.5	.00	53.7
01:00	0.004835	8.2	7.6	.00	29.20	989.0	-2.3	.00	34.7
02:00	0.004612	7.8	7.3	.00	29.21	989.4	-2.1	.00	48.9
03:00	0.004362	7.2	6.9	.00	29.22	989.7	-2.4	.00	60.7
04:00	0.004112	6.8	6.5	.00	29.23	989.9	-2.1	.00	57.9
05:00	0.00403	6.6	6.4	.00	29.24	990.1	-2.4	.00	56.4
06:00	0.004015	6.3	6.4	.00	29.25	990.5	-2.5	.00	49.7
07:00	0.003994	6.1	6.3	.00	29.27	991.2	.8	.00	53.8
08:00	0.003974	6.5	6.3	.00	29.28	991.6	47.2	.07	67.9
09:00	0.004007	6.9	6.3	.00	29.29	992.0	123.4	.18	64.6
10:00	0.003953	6.7	6.3	.00	29.29	992.0	350.5	.50	61.6
11:00	0.003833	6.5	6.1	.00	29.28	991.7	424.3	.61	77.5
12:00	0.003889	6.5	6.2	.00	29.24	990.3	421.1	.60	78.8
13:00	0.003895	6.4	6.2	.00	29.21	989.2	284.6	.41	82.6
14:00	0.003988	6.5	6.3	.00	29.19	988.6	170.7	.24	49.1
15:00	0.004043	6.6	6.4	.00	29.17	987.8	268.9	.39	67.2
16:00	0.003978	6.6	6.3	.00	29.19	988.4	136.8	.20	249.7
17:00	0.004016	6.9	6.3	.00	29.18	988.2	5.7	.01	297.4
18:00	0.004087	6.5	6.5	.00	29.19	988.4	-2.4	.00	29.0
19:00	0.004066	6.0	6.4	.00	29.20	988.7	-2.4	.00	197.3
20:00	0.004124	5.9	6.5	.00	29.21	989.1	-2.3	.00	243.1
21:00	0.003976	6.3	6.3	.00	29.23	989.7	-2.4	.00	247.5
22:00	0.003733	6.0	5.9	.00	29.24	990.2	-2.3	.00	230.3
23:00	0.003608	5.8	5.7	.00	29.25	990.6	-2.6	.00	269.7
Avg	0.004109	6.7	6.5	.00	29.23	989.8	91.8	.13	52.0
Max	0.005477	8.9	8.6	.01	29.29	992.0	424.3	.61	297.4
Hr. of Max	00	00	00	00	10	10	11	11	17
Min	0.003608	5.8	5.7	.00	29.17	987.8	-2.6	.00	29.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/14/2016

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	44.5	41.9	36.6	32.0	24.9	19.7	16.9	1.9	3.8
01:00	22.3	30.5	6.8	18.9	27.8	16.1	15.7	1.2	2.6
02:00	45.1	50.0	33.6	40.1	26.3	15.3	11.6	2.0	4.3
03:00	59.8	58.3	54.8	49.1	25.2	15.1	9.2	2.9	5.9
04:00	48.7	48.8	45.5	38.8	26.0	12.6	7.3	2.1	5.5
05:00	51.7	51.2	42.7	41.6	15.4	12.8	6.6	1.4	3.0
06:00	42.2	39.8	32.1	28.7	24.1	13.3	8.5	1.2	2.9
07:00	13.1	27.0	3.7	14.7	37.5	11.2	8.1	.7	3.4
08:00	52.4	51.0	54.5	40.7	28.9	21.9	14.9	.8	2.7
09:00	53.4	52.1	53.5	42.7	28.3	18.8	13.6	2.0	4.2
10:00	51.1	50.0	52.2	41.2	35.1	23.9	19.5	3.2	5.1
11:00	71.2	64.1	71.9	55.3	29.2	27.1	23.5	3.5	3.9
12:00	73.9	64.7	72.6	55.7	28.3	28.3	26.5	3.2	3.5
13:00	78.3	77.2	78.0	68.6	32.9	29.4	26.4	2.9	3.4
14:00	30.6	44.5	21.3	32.9	38.1	38.7	16.6	1.4	2.2
15:00	68.2	66.8	57.9	57.4	32.6	30.8	28.3	2.0	2.5
16:00	273.9	267.6	263.8	263.8	38.9	33.8	35.7	.9	1.4
17:00	268.0	265.5	272.9	260.1	57.8	17.2	14.2	1.0	2.1
18:00	247.6	194.3	322.7	186.5	50.5	41.3	12.7	.2	.6
19:00	255.2	262.1	240.1	257.0	38.9	30.0	10.2	1.5	2.2
20:00	257.7	273.8	247.9	268.4	14.8	19.5	11.3	3.2	4.7
21:00	269.7	276.7	248.5	270.8	21.1	17.1	13.9	4.6	6.5
22:00	259.5	276.4	236.4	270.4	40.3	28.2	24.3	2.6	4.0
23:00	258.8	265.3	272.6	259.0	39.6	31.7	23.8	1.1	2.7
Avg	25.0	29.0	19.0	17.0	31.8	23.1	16.6	.0	.0
Max	273.9	276.7	322.7	270.8	57.8	41.3	35.7	4.6	6.5
Hr. of Max	16	21	18	21	17	18	16	21	21
Min	13.1	27.0	3.7	14.7	14.8	11.2	6.6	.2	.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

12/14/2016

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	4.7	2.1	4.1	5.0	2.3	5.4	-.9	.2	-.16
01:00	3.2	1.4	2.7	3.3	1.9	3.6	-4.3	-1.7	-.19
02:00	5.5	2.2	4.6	5.7	2.6	6.0	-1.6	-.7	-.17
03:00	8.1	3.2	6.1	8.2	3.5	8.5	.0	-.3	-.24
04:00	7.9	2.3	5.7	8.0	2.7	8.3	.9	.0	-.14
05:00	4.9	1.5	3.1	5.0	1.7	5.2	-3.3	.6	-.13
06:00	5.0	1.5	3.2	5.1	1.7	5.4	-1.0	.3	-.04
07:00	4.9	.8	3.4	5.0	1.1	5.3	2.1	1.6	.01
08:00	4.3	.9	3.1	4.6	1.2	4.9	-.3	2.5	-.06
09:00	5.7	2.3	4.4	5.9	2.7	6.2	1.3	1.6	-.06
10:00	6.3	3.6	5.4	6.6	4.2	7.1	.3	1.8	-.19
11:00	4.4	4.0	4.4	4.8	4.4	5.3	-.3	2.8	-.10
12:00	3.8	3.6	3.9	4.2	4.0	4.7	-.3	1.4	-.03
13:00	3.8	3.3	3.9	4.2	3.8	4.7	-1.4	2.2	-.14
14:00	2.5	1.7	2.4	2.7	2.1	3.1	-4.5	-11.3	-.24
15:00	2.9	2.6	3.2	3.4	3.1	3.9	1.5	1.6	.04
16:00	1.5	1.9	2.4	2.5	2.2	2.8	1.4	2.9	.00
17:00	3.0	1.2	2.2	3.1	1.5	3.3	.6	1.9	-.01
18:00	1.9	.7	1.0	2.0	1.0	2.2	1.3	-.2	.02
19:00	4.0	1.5	2.4	4.2	1.9	4.3	1.5	2.3	.02
20:00	6.8	3.5	5.2	7.0	3.9	7.1	-.9	1.2	-.14
21:00	8.6	4.9	6.9	9.0	5.4	9.2	.2	-1.2	-.07
22:00	5.2	3.0	4.4	5.6	3.6	6.0	2.1	1.0	.00
23:00	4.2	1.8	3.2	4.6	2.2	4.8	-.7	1.4	-.07
Avg	.0	2.3	3.8	5.0	2.7	5.3	-.3	.5	-.09
Max	8.6	4.9	6.9	9.0	5.4	9.2	2.1	2.9	.04
Hr. of Max	21	21	21	21	21	21	22	16	15
Min	1.5	.7	1.0	2.0	1.0	2.2	-4.5	-11.3	-.24
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	36_SonicTemp_015m	37_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	-.04	8.0	11.0	11.2	21.9	10.9	6.4	5.8
01:00	-.14	6.9	7.6	9.8	16.1	10.8	5.7	5.2
02:00	-.16	8.5	10.3	11.4	20.0	9.8	5.2	4.7
03:00	-.10	9.2	14.9	14.0	21.8	7.7	4.2	3.7
04:00	-.03	8.0	10.8	23.4	21.4	5.8	3.7	3.3
05:00	.03	5.7	10.3	13.7	10.5	4.2	3.3	3.1
06:00	.01	3.4	6.6	9.2	7.4	5.1	2.6	3.0
07:00	.11	3.4	8.5	10.5	16.1	6.3	2.2	2.6
08:00	.13	3.9	7.6	14.2	18.9	9.6	2.6	2.5
09:00	.07	6.4	11.9	16.9	21.8	10.5	3.6	3.0
10:00	-.01	8.9	11.4	11.7	23.9	17.1	4.9	4.0
11:00	.18	9.2	8.2	10.8	19.1	20.3	5.7	4.9
12:00	.11	11.2	9.4	9.6	21.1	23.6	6.2	5.4
13:00	.10	8.7	10.8	10.3	20.5	21.1	6.6	5.9
14:00	-.56	6.0	8.2	7.1	26.0	19.9	6.9	6.2
15:00	.14	6.9	7.8	7.8	23.7	22.8	7.5	6.7
16:00	.09	5.7	6.9	7.8	21.1	19.7	7.7	7.1
17:00	.06	6.9	8.9	10.3	8.6	6.1	6.5	6.8
18:00	.01	2.7	2.7	4.6	6.2	3.3	4.8	6.1
19:00	.19	4.4	5.7	8.5	6.0	3.2	3.3	5.7
20:00	.00	13.3	14.2	15.1	8.0	7.3	3.4	4.9
21:00	-.33	12.8	16.0	20.4	13.5	10.2	3.5	3.2
22:00	-.12	11.9	13.7	15.8	18.9	16.6	3.3	3.1
23:00	.03	8.0	12.1	11.4	15.0	13.4	2.9	3.1
Avg	-.01	7.5	9.8	11.9	17.0	11.9	4.7	4.6
Max	.19	13.3	16.0	23.4	26.0	23.6	7.7	7.1
Hr. of Max	19	20	21	04	14	12	16	16
Min	-.56	2.7	2.7	4.6	6.0	3.2	2.2	2.5
Count	24	24	24	24	24	24	24	24
Total								