Date Printed: 11/25/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

11/24/2016

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	10.6	11.5	12.0	12.5	.85	1.36	1.86	.51	1.01
01:00	11.5	12.2	12.3	12.5	.70	.83	.98	.12	.28
02:00	11.2	12.0	12.0	12.1	.75	.82	.85	.07	.10
03:00	10.8	11.6	11.8	11.8	.74	.94	1.01	.20	.26
04:00	10.5	11.3	11.6	11.7	.80	1.11	1.25	.31	.45
05:00	10.0	11.1	11.3	11.5	1.05	1.24	1.44	.18	.39
06:00	9.2	10.4	10.8	10.9	1.18	1.55	1.72	.38	.54
07:00	9.4	10.3	10.5	10.7	.98	1.16	1.39	.19	.41
08:00	10.2	10.6	10.7	10.9	.42	.51	.67	.08	.25
09:00	11.4	11.4	11.4	11.4	.01	-.08	-.05	-.09	-.06
10:00	12.9	12.8	12.5	12.5	-.15	-.36	-.45	-.22	-.30
11:00	14.8	14.4	14.1	14.0	-.46	-.73	-.82	-.27	-.36
12:00	17.2	16.5	16.2	16.1	-.73	-1.01	-1.12	-.29	-.39
13:00	19.0	18.1	17.8	17.7	-.87	-1.19	-1.34	-.32	-.47
14:00	20.0	19.2	18.9	18.8	-.74	-1.07	-1.21	-.33	-.47
15:00	19.9	19.4	19.2	19.0	-.47	-.76	-.89	-.29	-.42
16:00	19.3	19.3	19.1	19.0	-.06	-.26	-.32	-.20	-.26
17:00	16.6	18.2	18.4	18.6	1.55	1.83	1.96	.28	.41
18:00	14.0	16.1	16.7	17.6	2.05	2.64	3.51	.59	1.46
19:00	13.1	14.8	15.6	16.5	1.72	2.46	3.44	.75	1.72
20:00	11.3	13.5	14.0	15.2	2.16	2.73	3.89	.57	1.74
21:00	10.1	12.1	12.8	14.0	2.01	2.71	3.98	.70	1.97
22:00	8.8	11.0	11.7	13.0	2.15	2.88	4.20	.73	2.05
23:00	8.1	10.1	10.9	12.1	2.01	2.86	4.00	.85	1.99
Avg	12.9	13.7	13.8	14.2	.74	.92	1.25	.19	.51
Max	20.0	19.4	19.2	19.0	2.16	2.88	4.20	.85	2.05
Hr. of Max	14	15	15	16	20	22	22	23	22
Min	8.1	10.1	10.5	10.7	-.87	-1.19	-1.34	-.33	-.47
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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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	10.1	9.6	10.3	11.5	97.8	89.3	9.5	9.1	0.007885
01:00	10.2	9.4	10.6	11.6	93.0	84.0	9.5	9.0	0.00792
02:00	10.4	9.8	10.6	11.6	95.6	87.9	9.6	9.3	0.008013
03:00	10.3	10.0	10.5	11.7	97.9	91.5	9.6	9.4	0.007984
04:00	10.0	10.0	10.1	11.7	97.9	92.7	9.4	9.4	0.007814
05:00	9.5	9.9	9.7	11.8	97.8	93.6	9.1	9.3	0.007574
06:00	8.7	9.8	8.9	11.8	97.6	97.3	8.6	9.3	0.007151
07:00	8.8	9.9	9.0	11.8	97.6	98.5	8.7	9.3	0.007212
08:00	9.7	10.0	9.8	11.8	97.8	97.2	9.2	9.4	0.007632
09:00	10.9	10.6	11.1	11.8	97.7	95.6	9.9	9.7	0.008293
10:00	11.0	10.4	11.6	11.8	89.6	87.0	10.0	9.6	0.008358
11:00	11.0	10.2	12.3	11.9	79.0	77.1	9.9	9.4	0.008365
12:00	10.7	10.2	12.9	12.2	66.7	67.4	9.6	9.3	0.008216
13:00	10.4	10.2	13.3	12.4	58.6	60.6	9.4	9.3	0.008102
14:00	9.1	8.7	12.7	12.7	50.3	51.5	8.6	8.4	0.007389
15:00	8.8	8.5	12.5	13.0	49.8	50.2	8.5	8.3	0.00728
16:00	9.1	8.9	12.5	13.2	52.5	51.8	8.6	8.5	0.007411
17:00	9.1	8.9	11.6	13.4	62.4	55.6	8.7	8.5	0.007387
18:00	9.0	9.2	10.7	13.5	72.4	64.5	8.7	8.7	0.007296
19:00	9.0	9.3	10.4	13.5	77.3	70.5	8.7	8.8	0.007318
20:00	8.5	9.2	9.4	13.4	83.9	76.6	8.5	8.8	0.007065
21:00	8.2	9.0	8.8	13.3	89.1	82.8	8.3	8.8	0.006903
22:00	7.6	9.1	8.0	13.2	92.7	89.4	8.0	8.8	0.006615
23:00	7.0	9.0	7.4	13.1	94.2	94.3	7.7	8.8	0.006368
Avg	9.5	9.6	10.6	12.4	82.9	79.5	9.0	9.1	0.007565
Max	11.0	10.6	13.3	13.5	97.9	98.5	10.0	9.7	0.008365
Hr. of Max	11	09	13	19	04	07	10	09	11
Min	7.0	8.5	7.4	11.5	49.8	50.2	7.7	8.3	0.006368
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/24/2016

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	0.007602	12.4	12.0	.00	29.24	990.2	-2.0	.00	187.2
01:00	0.007496	12.4	11.8	.00	29.23	990.0	-2.3	.00	232.8
02:00	0.007748	12.6	12.2	.00	29.24	990.1	-2.5	.00	228.4
03:00	0.007836	12.5	12.3	.00	29.23	989.9	-2.1	.00	181.3
04:00	0.007808	12.3	12.3	.01	29.23	990.0	-2.2	.00	169.6
05:00	0.007774	11.9	12.2	.00	29.25	990.5	-1.0	.00	67.2
06:00	0.007713	11.3	12.1	.00	29.26	990.9	-2.3	.00	64.9
07:00	0.007767	11.4	12.2	.00	29.28	991.4	4.1	.01	74.5
08:00	0.007801	12.0	12.3	.00	29.29	992.0	32.7	.05	86.5
09:00	0.008114	13.1	12.8	.00	29.31	992.5	71.9	.10	73.9
10:00	0.008041	13.2	12.7	.00	29.32	992.9	163.1	.23	129.8
11:00	0.007931	13.2	12.5	.00	29.30	992.3	390.3	.56	223.0
12:00	0.007929	12.9	12.5	.00	29.28	991.5	509.5	.73	231.1
13:00	0.007936	12.7	12.5	.00	29.26	990.7	463.6	.66	202.5
14:00	0.007223	11.6	11.4	.00	29.24	990.3	413.9	.59	216.4
15:00	0.007131	11.5	11.2	.00	29.25	990.4	242.5	.35	229.4
16:00	0.007278	11.7	11.5	.00	29.25	990.7	79.3	.11	203.2
17:00	0.007289	11.6	11.5	.00	29.27	991.1	4.9	.01	238.5
18:00	0.007411	11.5	11.7	.00	29.27	991.4	-2.3	.00	74.0
19:00	0.007459	11.5	11.7	.00	29.27	991.3	-2.0	.00	71.0
20:00	0.00743	11.1	11.7	.00	29.27	991.3	-2.2	.00	85.6
21:00	0.007326	10.9	11.5	.00	29.27	991.3	-2.1	.00	84.5
22:00	0.007361	10.4	11.6	.00	29.28	991.5	-2.4	.00	154.7
23:00	0.007304	10.1	11.5	.00	29.29	991.8	-2.1	.00	96.2
Avg	0.007613	11.9	12.0	.00	29.27	991.1	97.8	.14	151.0
Max	0.008114	13.2	12.8	.01	29.32	992.9	509.5	.73	238.5
Hr. of Max	09	11	09	04	10	10	12	12	17
Min	0.007131	10.1	11.2	.00	29.23	989.9	-2.5	.00	64.9
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/24/2016

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	208.0	214.6	248.3	209.6	38.4	47.7	11.6	1.0	2.7
01:00	229.4	219.2	234.7	214.7	15.2	9.3	8.8	3.4	5.7
02:00	252.1	247.2	233.7	242.3	28.1	14.0	10.8	1.8	3.2
03:00	263.2	269.8	224.6	264.8	32.0	15.5	12.1	.9	1.2
04:00	243.5	264.6	234.2	259.3	38.0	15.8	13.0	.3	1.0
05:00	342.3	130.4	310.8	95.3	23.1	23.4	31.5	.1	.2
06:00	61.6	61.0	281.7	77.1	21.1	25.2	44.5	.1	.5
07:00	48.8	60.5	41.2	51.4	14.4	10.6	6.7	.5	1.4
08:00	56.2	61.9	81.0	52.8	13.0	14.8	9.8	.2	1.1
09:00	43.4	53.1	50.6	42.9	31.4	25.8	19.1	.5	1.5
10:00	137.9	153.9	159.1	153.2	45.1	42.0	43.3	.2	.3
11:00	235.5	231.0	229.6	226.0	27.2	19.3	17.5	3.3	4.3
12:00	244.3	238.7	234.1	232.7	40.4	31.1	25.6	2.6	3.4
13:00	210.2	208.3	204.8	204.7	41.4	41.8	37.6	3.6	4.2
14:00	225.5	224.9	216.8	220.4	26.3	20.8	16.8	5.9	7.3
15:00	238.0	234.9	231.5	230.3	28.2	21.2	19.3	4.4	5.6
16:00	218.5	217.1	210.4	212.8	22.6	14.1	11.1	2.9	4.3
17:00	237.7	227.3	257.7	223.0	42.4	10.7	7.1	1.1	2.6
18:00	54.4	30.9	51.4	22.2	25.2	32.8	35.7	.5	.9
19:00	47.0	72.9	47.4	63.1	30.4	18.7	17.2	.5	1.4
20:00	13.8	66.9	35.6	55.5	41.5	51.6	37.4	.1	.3
21:00	61.0	61.8	63.2	52.8	16.2	10.2	5.7	.2	1.1
22:00	287.8	338.3	245.4	320.9	37.7	28.4	23.1	.2	.6
23:00	280.5	229.6	185.7	224.0	35.0	57.8	13.0	.1	.7
Avg	259.0	209.0	230.0	210.0	29.8	25.1	19.9	.0	.0
Max	342.3	338.3	310.8	320.9	45.1	57.8	44.5	5.9	7.3
Hr. of Max	05	22	05	22	10	23	06	14	14
Min	13.8	30.9	35.6	22.2	13.0	9.3	5.7	.1	.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/24/2016

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	5.0	1.2	2.9	5.2	1.7	5.5	1.0	-.7	.00
01:00	7.3	3.5	5.9	7.5	3.9	8.0	-1.1	-1.3	-.13
02:00	4.4	2.0	3.3	4.6	2.4	4.9	.4	.8	.00
03:00	2.2	1.0	1.2	2.3	1.5	2.4	.6	1.0	.02
04:00	2.0	.4	1.1	2.1	1.2	2.2	1.0	2.4	.02
05:00	.5	.1	.2	.7	.6	.9	3.2	2.4	.05
06:00	.5	.2	.5	.6	.6	.9	2.3	.5	.03
07:00	2.2	.5	1.4	2.3	.8	2.5	.8	.6	.00
08:00	2.1	.2	1.2	2.1	.7	2.3	1.5	-.6	.02
09:00	1.9	.7	1.7	2.0	1.0	2.2	-3.0	-3.2	-.08
10:00	.7	.7	.9	1.4	1.2	1.7	-.1	-2.3	.01
11:00	4.8	3.6	4.5	5.0	4.2	5.5	-.4	-2.7	-.11
12:00	3.9	3.3	3.9	4.2	3.8	4.8	.7	-.5	-.02
13:00	4.6	4.6	5.0	5.2	5.1	5.7	1.5	.3	.02
14:00	8.5	6.6	7.9	9.0	7.3	9.7	1.7	-1.1	-.02
15:00	6.5	4.8	5.9	6.8	5.5	7.4	3.8	2.9	.10
16:00	5.6	3.1	4.5	5.7	3.5	6.0	.6	-.5	-.05
17:00	4.0	1.3	2.7	4.0	1.7	4.3	.9	.1	.00
18:00	.2	.7	1.0	.8	1.0	1.1	2.8	1.4	.05
19:00	1.8	.6	1.5	1.9	1.0	2.1	2.9	.3	.06
20:00	.9	.7	.4	1.0	1.1	1.3	2.1	-.5	.05
21:00	1.8	.2	1.2	1.8	.6	2.0	4.9	-.1	.07
22:00	.3	.3	.8	1.3	1.1	1.5	2.8	-.9	.05
23:00	1.6	.2	.8	1.7	.8	2.0	3.8	-.4	.06
Avg	.0	1.7	2.5	3.3	2.2	3.6	1.4	-.1	.01
Max	8.5	6.6	7.9	9.0	7.3	9.7	4.9	2.9	.10
Hr. of Max	14	14	14	14	14	14	21	15	15
Min	.2	.1	.2	.6	.6	.9	-3.0	-3.2	-.13
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

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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	-.14	5.7	8.7	10.8	11.0	6.3	12.1	12.8
01:00	-.21	6.9	10.1	13.3	9.5	5.9	12.8	12.8
02:00	.05	9.6	10.5	18.5	7.7	5.7	12.7	12.4
03:00	.03	3.4	4.8	8.2	6.2	6.2	12.3	12.2
04:00	.09	2.7	2.5	5.0	7.1	6.8	12.0	12.1
05:00	.05	1.1	1.4	2.5	8.7	7.8	11.8	11.9
06:00	.02	1.4	2.1	2.5	6.5	7.3	11.0	11.3
07:00	.02	2.5	2.7	3.9	7.2	6.0	11.0	11.1
08:00	-.03	1.1	2.5	4.1	7.9	3.8	11.3	11.2
09:00	-.13	2.7	4.1	5.7	15.3	9.1	12.2	11.8
10:00	-.02	3.4	4.6	4.8	27.3	23.2	13.5	12.8
11:00	-.39	10.1	10.1	9.8	18.2	15.3	15.0	14.2
12:00	-.08	8.2	12.4	12.1	21.1	24.3	17.0	16.2
13:00	-.16	13.3	13.7	13.5	19.7	22.0	18.6	17.8
14:00	-.29	18.5	16.7	18.8	16.4	13.6	19.6	18.8
15:00	.15	17.2	20.4	19.9	18.5	15.2	19.9	19.1
16:00	-.12	9.2	8.7	15.1	14.3	8.5	19.8	19.2
17:00	-.01	5.5	6.0	7.6	8.3	3.9	18.7	18.9
18:00	.03	2.3	3.0	5.7	7.2	9.1	16.6	17.8
19:00	.03	2.3	3.7	3.4	10.9	4.6	15.4	16.9
20:00	-.01	2.1	2.1	4.8	7.6	6.4	14.0	15.6
21:00	.00	3.0	3.2	3.2	9.6	2.7	12.6	14.5
22:00	-.02	2.3	2.7	3.0	6.4	5.7	11.6	13.5
23:00	-.01	1.8	2.3	3.2	7.8	5.9	10.6	12.6
Avg	-.05	5.7	6.6	8.3	11.7	9.4	14.3	14.5
Max	.15	18.5	20.4	19.9	27.3	24.3	19.9	19.2
Hr. of Max	15	14	15	15	10	12	15	16
Min	-.39	1.1	1.4	2.5	6.2	2.7	10.6	11.1
Count	24	24	24	24	24	24	24	24
Total								