Date Printed: 11/19/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

11/18/2016

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	6.6	9.0	9.9	12.3	2.37	3.29	5.65	.92	3.28
01:00	6.1	8.3	9.4	12.1	2.24	3.30	6.03	1.06	3.79
02:00	5.2	7.7	8.8	11.5	2.48	3.65	6.27	1.17	3.79
03:00	4.8	6.9	7.9	10.0	2.12	3.10	5.14	.97	3.01
04:00	4.8	6.7	7.5	8.7	1.95	2.77	3.95	.82	2.01
05:00	4.2	6.4	7.0	8.3	2.14	2.81	4.04	.68	1.90
06:00	3.7	6.0	6.6	7.6	2.30	2.93	3.91	.63	1.61
07:00	3.3	5.6	6.1	7.1	2.30	2.81	3.79	.51	1.49
08:00	6.1	6.4	6.8	7.6	.29	.66	1.47	.38	1.19
09:00	10.1	9.8	9.6	10.2	-.31	-.46	.14	-.15	.44
10:00	14.8	14.2	14.0	14.0	-.52	-.74	-.80	-.22	-.29
11:00	18.6	17.9	17.6	17.5	-.71	-.99	-1.12	-.28	-.41
12:00	21.2	20.4	20.1	20.0	-.78	-1.09	-1.21	-.31	-.43
13:00	23.1	22.2	21.8	21.7	-.92	-1.26	-1.36	-.34	-.44
14:00	24.3	23.4	23.1	23.0	-.82	-1.14	-1.30	-.32	-.48
15:00	24.9	24.3	24.0	23.9	-.58	-.88	-1.01	-.30	-.43
16:00	23.9	23.8	23.6	23.6	-.10	-.29	-.34	-.19	-.23
17:00	19.9	22.1	22.3	22.6	2.26	2.46	2.72	.20	.46
18:00	15.9	19.1	20.4	21.2	3.21	4.45	5.33	1.24	2.12
19:00	13.7	16.8	18.5	19.8	3.08	4.74	6.05	1.66	2.97
20:00	11.6	15.7	18.5	19.7	4.07	6.86	8.11	2.79	4.04
21:00	10.8	16.4	17.9	18.5	5.54	7.06	7.72	1.52	2.18
22:00	10.3	14.5	16.8	17.9	4.12	6.49	7.58	2.37	3.46
23:00	9.7	15.2	17.1	17.7	5.53	7.34	7.97	1.81	2.44
Avg	12.4	14.1	14.8	15.7	1.72	2.41	3.28	.69	1.56
Max	24.9	24.3	24.0	23.9	5.54	7.34	8.11	2.79	4.04
Hr. of Max	15	15	15	15	21	23	20	20	20
Min	3.3	5.6	6.1	7.1	-.92	-1.26	-1.36	-.34	-.48
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/18/2016

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	4.3	5.5	5.1	13.5	85.7	79.7	6.4	7.0	0.005267
01:00	4.2	5.4	4.8	13.3	88.4	82.6	6.4	6.9	0.005219
02:00	3.5	5.3	4.1	13.2	89.7	85.5	6.1	6.9	0.004985
03:00	3.4	5.0	3.9	13.1	91.1	88.4	6.1	6.8	0.004937
04:00	3.4	4.9	3.9	12.9	91.7	89.3	6.1	6.7	0.004944
05:00	2.9	4.9	3.3	12.8	91.9	90.9	5.9	6.7	0.004769
06:00	2.4	4.5	2.8	12.6	92.1	91.0	5.7	6.6	0.004598
07:00	2.1	4.3	2.5	12.5	92.5	92.2	5.6	6.5	0.004496
08:00	4.0	3.8	4.7	12.4	87.1	84.3	6.3	6.2	0.005139
09:00	5.9	5.1	7.3	12.3	76.0	73.4	7.1	6.8	0.005888
10:00	6.7	6.1	9.4	12.2	59.4	58.9	7.4	7.1	0.006245
11:00	5.6	4.8	9.9	12.3	43.3	42.9	6.8	6.5	0.005809
12:00	4.5	4.1	10.0	12.4	34.2	35.0	6.3	6.1	0.00541
13:00	3.9	3.7	10.3	12.6	29.3	30.6	6.0	6.0	0.005222
14:00	3.5	3.1	10.4	12.9	26.6	27.2	5.9	5.7	0.005096
15:00	1.9	1.6	9.6	13.3	23.0	23.1	5.2	5.1	0.004572
16:00	2.2	1.9	9.4	13.6	24.8	24.4	5.3	5.2	0.004644
17:00	3.0	2.6	8.6	13.9	33.6	28.3	5.7	5.5	0.00488
18:00	3.5	3.2	7.6	14.1	44.3	35.5	6.0	5.8	0.005038
19:00	3.9	3.8	7.2	14.1	52.1	42.5	6.1	6.0	0.00516
20:00	3.8	4.2	6.4	14.1	59.4	47.0	6.1	6.2	0.00513
21:00	4.2	3.8	6.4	14.1	64.4	43.9	6.3	6.1	0.005271
22:00	4.1	3.9	6.2	14.0	66.1	49.8	6.3	6.1	0.005237
23:00	4.1	4.0	6.0	13.9	68.8	47.8	6.3	6.2	0.005228
Avg	3.8	4.1	6.7	13.2	63.1	58.1	6.1	6.3	0.005133
Max	6.7	6.1	10.4	14.1	92.5	92.2	7.4	7.1	0.006245
Hr. of Max	10	10	14	21	07	07	10	10	10
Min	1.9	1.6	2.5	12.2	23.0	23.1	5.2	5.1	0.004496
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/18/2016

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	0.005757	8.3	9.1	.00	29.23	989.8	-2.4	.00	92.3
01:00	0.005691	8.2	9.0	.00	29.23	989.9	-2.3	.00	80.4
02:00	0.00564	7.9	8.9	.00	29.23	989.9	-2.4	.00	86.5
03:00	0.005548	7.8	8.8	.00	29.23	990.0	-2.5	.00	88.8
04:00	0.00551	7.8	8.7	.00	29.24	990.4	-2.1	.00	75.8
05:00	0.005475	7.5	8.6	.00	29.26	990.9	-2.7	.00	85.9
06:00	0.00534	7.3	8.4	.00	29.28	991.6	-2.3	.00	88.3
07:00	0.005262	7.1	8.3	.00	29.30	992.3	18.1	.03	88.6
08:00	0.005077	8.1	8.0	.00	29.32	992.9	164.8	.24	96.1
09:00	0.005577	9.3	8.8	.00	29.32	993.0	338.6	.49	118.6
10:00	0.005978	9.9	9.5	.00	29.32	993.0	480.6	.69	114.5
11:00	0.005509	9.2	8.7	.00	29.30	992.2	564.6	.81	140.4
12:00	0.005273	8.5	8.3	.00	29.26	990.7	593.9	.85	147.3
13:00	0.005146	8.2	8.1	.00	29.22	989.7	514.0	.74	211.9
14:00	0.004957	8.0	7.8	.00	29.19	988.6	439.6	.63	192.4
15:00	0.004446	7.2	7.0	.00	29.18	988.1	332.4	.48	227.9
16:00	0.004548	7.3	7.2	.00	29.18	988.2	147.5	.21	232.7
17:00	0.004758	7.7	7.5	.00	29.18	988.1	6.4	.01	234.7
18:00	0.004943	7.9	7.8	.00	29.18	988.1	-2.0	.00	123.3
19:00	0.005132	8.1	8.1	.00	29.16	987.6	-2.1	.00	85.4
20:00	0.005294	8.1	8.3	.00	29.15	987.0	-2.8	.00	148.8
21:00	0.005139	8.3	8.1	.00	29.16	987.4	-3.6	-.01	204.9
22:00	0.00517	8.2	8.1	.00	29.16	987.5	-2.9	.00	291.7
23:00	0.005221	8.2	8.2	.00	29.16	987.4	-2.5	.00	184.6
Avg	0.005266	8.1	8.3	.00	29.23	989.8	148.7	.22	131.0
Max	0.005978	9.9	9.5	.00	29.32	993.0	593.9	.85	291.7
Hr. of Max	10	10	10	23	10	10	12	12	22
Min	0.004446	7.1	7.0	.00	29.15	987.0	-3.6	-.01	75.8
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/18/2016

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	64.4	49.6	69.0	39.5	2.9	7.3	7.9	.0	1.4
01:00	59.8	42.8	66.5	32.5	11.4	11.5	10.7	.5	1.5
02:00	64.2	59.5	74.8	50.6	16.4	14.0	8.7	.1	1.5
03:00	67.4	64.8	72.7	56.1	9.6	10.5	7.4	.2	1.3
04:00	58.9	56.1	65.7	47.2	14.0	8.8	3.5	.9	2.3
05:00	59.5	53.1	73.6	43.7	9.9	9.9	3.0	.7	2.1
06:00	61.6	54.1	83.9	44.9	8.0	5.3	2.7	.8	1.9
07:00	75.6	47.8	19.5	37.4	2.1	6.6	3.6	.1	1.2
08:00	54.3	46.4	92.2	36.2	7.1	9.8	4.4	.6	1.8
09:00	80.5	36.9	135.6	25.8	14.1	27.4	10.0	1.1	1.1
10:00	127.5	132.5	125.1	118.6	29.1	51.4	50.7	1.0	.7
11:00	162.5	173.2	145.5	167.7	32.0	44.2	41.2	1.6	1.8
12:00	186.1	190.6	159.4	187.8	64.0	56.5	48.5	1.3	1.7
13:00	222.5	221.6	214.3	216.9	40.8	36.5	31.4	3.6	4.7
14:00	202.5	203.1	195.9	197.7	40.6	32.0	28.5	4.0	5.5
15:00	232.1	228.9	228.6	224.6	23.7	17.9	13.9	6.9	9.0
16:00	237.9	235.5	232.8	231.3	20.2	14.6	12.1	5.4	7.9
17:00	238.8	232.9	239.0	228.6	19.1	7.3	5.8	2.4	4.8
18:00	232.8	227.5	226.6	223.4	20.0	9.7	3.8	.1	2.2
19:00	265.3	211.7	40.9	207.2	24.8	44.6	9.1	.1	.3
20:00	222.3	196.8	228.1	192.0	51.4	23.9	9.2	.4	3.5
21:00	235.4	228.4	228.2	224.0	36.2	8.1	5.5	1.4	4.7
22:00	219.9	218.6	250.5	213.8	48.1	20.1	8.3	.4	3.3
23:00	237.6	219.7	226.9	215.2	36.7	11.7	7.8	1.2	4.0
Avg	161.0	163.0	146.0	162.0	24.3	20.4	14.1	.0	.0
Max	265.3	235.5	250.5	231.3	64.0	56.5	50.7	6.9	9.0
Hr. of Max	19	16	22	16	12	12	10	15	15
Min	54.3	36.9	19.5	25.8	2.1	5.3	2.7	.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)

11/18/2016

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	2.8	.0	1.4	2.9	.4	3.1	2.1	-.2	.02
01:00	2.1	.5	1.6	2.1	.9	2.3	1.8	.7	.02
02:00	2.6	.2	1.5	2.7	.6	2.9	2.2	.0	.03
03:00	2.8	.2	1.3	2.8	.6	3.0	1.8	.2	.02
04:00	5.1	1.0	2.3	5.1	1.2	5.3	1.8	1.0	.03
05:00	4.8	.7	2.1	4.8	.9	5.0	2.1	.6	.03
06:00	4.4	.9	1.9	4.4	1.2	4.6	3.9	.8	.08
07:00	3.4	.1	1.2	3.4	.3	3.6	1.3	.3	.02
08:00	3.9	.7	1.9	4.0	1.1	4.2	8.6	-.5	.17
09:00	3.0	1.2	1.3	3.1	1.7	3.3	-6.8	-5.9	-.18
10:00	.5	1.1	.8	.8	1.8	1.3	-6.4	-21.0	-.14
11:00	2.1	2.2	2.3	2.6	2.8	3.2	-1.0	-5.0	.02
12:00	2.2	2.6	2.6	2.8	3.2	3.6	5.9	-4.6	.29
13:00	5.3	4.4	5.3	5.8	5.0	6.3	.4	-2.3	-.04
14:00	6.6	4.9	6.2	7.3	5.4	7.8	1.7	-.7	.00
15:00	10.6	7.4	9.5	11.0	8.1	11.7	.5	-.4	-.21
16:00	9.8	5.7	8.2	10.1	6.2	10.6	.4	-1.6	-.10
17:00	6.9	2.5	4.9	6.9	2.9	7.3	1.0	1.0	.03
18:00	5.3	.1	2.2	5.4	.7	5.7	3.5	.9	.05
19:00	3.6	.2	.6	3.9	.5	4.1	2.5	-.1	.03
20:00	7.6	.8	3.6	7.7	1.3	8.1	2.7	.2	.06
21:00	7.1	1.6	4.8	7.1	2.0	7.5	2.5	.3	.08
22:00	5.5	.7	3.6	5.8	1.0	6.1	3.4	.5	.06
23:00	6.9	1.4	4.1	7.2	1.8	7.6	2.3	-.1	.05
Avg	.0	1.7	3.1	5.0	2.2	5.3	1.6	-1.5	.02
Max	10.6	7.4	9.5	11.0	8.1	11.7	8.6	1.0	.29
Hr. of Max	15	15	15	15	15	15	08	17	12
Min	.5	.0	.6	.8	.3	1.3	-6.8	-21.0	-.21
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/18/2016

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	-.01	.7	3.7	7.6	6.3	2.8	9.3	12.6
01:00	.03	2.3	3.0	5.3	9.4	8.1	8.6	12.6
02:00	.00	1.1	3.0	3.9	8.8	8.3	8.0	11.9
03:00	.01	1.6	3.2	5.3	8.8	4.6	7.2	10.3
04:00	.10	2.5	5.5	6.9	8.3	2.9	7.0	9.1
05:00	.05	2.1	3.0	10.5	7.6	2.9	6.7	8.6
06:00	.06	2.1	2.7	8.7	6.2	2.0	6.3	7.9
07:00	.02	1.8	3.4	6.4	5.0	1.9	5.9	7.3
08:00	-.03	2.3	3.9	7.3	15.0	2.6	6.8	7.8
09:00	-.35	3.4	3.7	7.3	21.0	7.6	10.3	10.5
10:00	-.64	3.7	3.9	3.2	29.5	29.9	14.8	14.3
11:00	-.25	6.9	7.6	8.7	28.8	30.7	18.2	17.4
12:00	-.50	7.8	7.6	9.8	27.5	34.0	20.6	19.8
13:00	-.38	14.9	14.9	15.1	20.0	21.8	22.2	21.3
14:00	-.30	27.7	22.0	18.1	21.1	17.5	23.4	22.6
15:00	-.25	16.5	19.0	20.8	15.4	10.7	24.2	23.4
16:00	-.38	14.0	16.9	21.3	14.1	7.3	23.8	23.2
17:00	.11	10.1	13.7	12.8	6.9	4.1	22.2	22.5
18:00	.09	2.1	7.3	11.7	8.0	2.3	19.1	21.2
19:00	-.01	2.1	5.0	10.8	9.0	4.6	16.9	19.9
20:00	.00	3.2	10.8	14.7	18.0	6.1	15.6	19.8
21:00	.03	5.0	10.3	17.6	7.2	3.4	16.3	18.6
22:00	.04	3.2	8.9	11.2	10.9	3.6	14.5	18.0
23:00	-.02	6.4	7.8	14.0	12.4	4.2	15.3	17.7
Avg	-.11	6.0	8.0	10.8	13.6	9.3	14.3	15.8
Max	.11	27.7	22.0	21.3	29.5	34.0	24.2	23.4
Hr. of Max	17	14	14	16	10	12	15	15
Min	-.64	.7	2.7	3.2	5.0	1.9	5.9	7.3
Count	24	24	24	24	24	24	24	24
Total								