Date Printed: 11/05/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

11/4/2016

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	16.1	18.8	19.9	20.4	2.67	3.78	4.27	1.11	1.60
01:00	15.7	19.2	20.2	20.4	3.47	4.55	4.68	1.08	1.21
02:00	16.8	19.1	19.6	19.7	2.27	2.75	2.90	.48	.63
03:00	16.0	18.3	18.7	19.0	2.28	2.74	2.98	.46	.70
04:00	14.8	17.8	18.3	18.6	2.95	3.51	3.80	.55	.85
05:00	13.8	17.1	17.5	17.7	3.28	3.73	3.92	.45	.64
06:00	13.4	15.7	16.2	16.5	2.29	2.78	3.10	.49	.80
07:00	12.6	14.8	15.0	15.2	2.16	2.41	2.60	.25	.44
08:00	13.5	14.6	14.7	14.7	1.12	1.18	1.22	.06	.10
09:00	15.7	15.6	15.4	15.2	-.13	-.36	-.48	-.23	-.35
10:00	17.3	16.8	16.4	16.2	-.48	-.87	-1.11	-.39	-.63
11:00	18.8	17.9	17.4	17.1	-.90	-1.41	-1.69	-.51	-.79
12:00	20.1	19.0	18.6	18.3	-1.17	-1.59	-1.82	-.42	-.65
13:00	21.3	20.4	19.8	19.6	-.98	-1.53	-1.79	-.55	-.81
14:00	22.2	21.1	20.6	20.3	-1.03	-1.62	-1.93	-.58	-.89
15:00	22.5	21.5	21.0	20.7	-.97	-1.44	-1.71	-.48	-.75
16:00	22.4	21.8	21.3	21.1	-.67	-1.13	-1.35	-.46	-.69
17:00	21.2	21.0	20.7	20.6	-.24	-.50	-.62	-.27	-.38
18:00	18.8	19.5	19.6	19.6	.77	.80	.82	.03	.05
19:00	16.2	18.1	18.3	18.5	1.92	2.14	2.25	.22	.33
20:00	15.7	17.1	17.3	17.5	1.38	1.58	1.71	.20	.33
21:00	14.7	16.1	16.3	16.5	1.49	1.68	1.84	.19	.36
22:00	14.7	15.6	15.8	15.9	.96	1.11	1.25	.14	.29
23:00	13.7	14.7	14.7	14.9	.97	1.06	1.20	.10	.23
Avg	17.0	18.0	18.1	18.1	.98	1.06	1.09	.08	.11
Max	22.5	21.8	21.3	21.1	3.47	4.55	4.68	1.11	1.60
Hr. of Max	15	16	16	16	01	01	01	00	00
Min	12.6	14.6	14.7	14.7	-1.17	-1.62	-1.93	-.58	-.89
Count	24	24	24	24	24	24	24	24	24
Total									

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OAK RIDGE NATIONAL LABORATORY
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Daily Summary Report

Site: Tower "D" (1000 Area)

11/4/2016

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	14.0	14.2	14.7	20.1	88.6	76.2	12.0	12.1	0.010221
01:00	13.7	13.9	14.4	20.0	89.7	73.1	11.8	11.9	0.010081
02:00	13.8	13.6	14.8	19.9	83.9	71.8	11.9	11.6	0.010148
03:00	13.4	13.2	14.2	19.7	85.9	73.6	11.5	11.3	0.00983
04:00	12.8	12.5	13.4	19.6	88.9	72.4	11.1	10.8	0.009435
05:00	11.9	11.3	12.5	19.4	89.3	70.1	10.5	10.1	0.008873
06:00	10.9	10.8	11.7	19.3	86.0	73.9	9.9	9.8	0.008315
07:00	10.6	10.7	11.3	19.1	88.6	77.8	9.7	9.7	0.008129
08:00	10.1	9.5	11.2	18.9	81.1	72.7	9.4	9.0	0.00786
09:00	9.4	8.8	11.5	18.7	67.1	64.9	8.9	8.5	0.00751
10:00	8.9	8.6		18.6	58.7	59.3	8.6	8.4	0.007256
11:00	8.4	8.2	11.9	18.5	51.9	54.0	8.3	8.1	0.007045
12:00	6.9	6.6	11.3	18.5	42.9	45.2	7.4	7.3	0.006347
13:00	4.5	4.3	10.1	18.5	34.0	35.7	6.3	6.3	0.005411
14:00	1.5	1.3	8.4	18.6	26.2	27.5	5.1	5.1	0.004404
15:00	1.7	1.4	8.6	18.8	26.0	27.1	5.2	5.1	0.004446
16:00	.9	.7	8.1	19.0	24.7	25.3	4.9	4.8	0.004207
17:00	1.0	.9	7.8	19.1	26.8	26.9	5.0	4.9	0.004246
18:00	2.1	1.7	7.7	19.2	33.6	31.1	5.4	5.2	0.00456
19:00	3.0	2.4	7.4	19.2	42.0	35.7	5.8	5.5	0.00485
20:00	3.3	2.6	7.5	19.1	44.1	38.4	5.9	5.6	0.004939
21:00	3.3	2.4	7.1	19.0	47.2	40.2	5.9	5.5	0.00493
22:00	2.9	2.2	6.8	18.8	45.7	40.9	5.7	5.4	0.004781
23:00	2.9	2.4	6.5	18.7	48.7	44.2	5.7	5.5	0.004768
Avg	7.2	6.8	10.4	19.1	58.4	52.4	8.0	7.8	0.006775
Max	14.0	14.2	14.8	20.1	89.7	77.8	12.0	12.1	0.010221
Hr. of Max	00	00	02	00	01	07	00	00	00
Min	.9	.7	6.5	18.5	24.7	25.3	4.9	4.8	0.004207
Count	24	24	23	24	24	24	24	24	24
Total									

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OAK RIDGE NATIONAL LABORATORY
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Daily Summary Report

Site: Tower "D" (1000 Area)

11/4/2016

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	0.010405	16.0	16.3	.00	29.20	989.0	-1.9	.00	86.8
01:00	0.01022	15.8	16.0	.00	29.20	989.0	-2.2	.00	27.5
02:00	0.010012	15.9	15.7	.00	29.21	989.1	-2.2	.00	45.6
03:00	0.009731	15.4	15.2	.00	29.21	989.4	-2.0	.00	69.4
04:00	0.009268	14.8	14.5	.00	29.22	989.6	-1.8	.00	22.1
05:00	0.008593	13.9	13.5	.00	29.24	990.2	-2.2	.00	347.7
06:00	0.008284	13.1	13.0	.00	29.26	991.0	-2.6	.00	59.8
07:00	0.008219	12.8	12.9	.00	29.29	991.8	-1.5	.00	60.8
08:00	0.007582	12.4	12.0	.00	29.31	992.6	56.8	.08	60.6
09:00	0.007203	11.8	11.4	.00	29.33	993.2	245.2	.35	51.1
10:00	0.00711	11.5	11.2	.00	29.35	993.8	419.5	.60	62.9
11:00	0.006923	11.1	10.9	.00	29.36	994.3	572.7	.82	66.1
12:00	0.00621	10.0	9.8	.00	29.36	994.2	657.4	.94	93.3
13:00	0.005354	8.6	8.5	.00	29.34	993.6	648.1	.93	44.4
14:00	0.004331	7.0	6.9	.00	29.32	992.8	633.9	.91	70.3
15:00	0.004363	7.0	6.9	.00	29.30	992.3	528.7	.76	67.7
16:00	0.004148	6.7	6.6	.00	29.30	992.2	375.3	.54	57.3
17:00	0.004202	6.7	6.7	.00	29.31	992.5	183.6	.26	47.6
18:00	0.004436	7.2	7.0	.00	29.32	993.0	18.1	.03	29.6
19:00	0.004655	7.7	7.4	.00	29.34	993.7	-2.3	.00	38.7
20:00	0.004707	7.8	7.5	.00	29.35	994.0	-2.0	.00	44.4
21:00	0.004624	7.8	7.3	.00	29.36	994.4	-2.1	.00	44.8
22:00	0.004551	7.6	7.2	.00	29.37	994.6	-2.3	.00	57.1
23:00	0.004615	7.6	7.3	.00	29.38	994.8	-2.2	.00	56.2
Avg	0.006656	10.7	10.5	.00	29.30	992.3	179.7	.26	52.0
Max	0.010405	16.0	16.3	.00	29.38	994.8	657.4	.94	347.7
Hr. of Max	00	00	00	23	23	23	12	12	05
Min	0.004148	6.7	6.6	.00	29.20	989.0	-2.6	.00	22.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/4/2016

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	344.7	340.4	302.7	329.7	53.3	29.1	19.4	.1	1.4
01:00	346.6	345.1	334.9	333.3	37.2	17.5	12.2	1.0	2.9
02:00	.8	.2	346.4	349.0	48.4	21.1	17.5	.8	2.9
03:00	4.6	24.6	16.7	15.0	67.1	57.3	31.7	.7	1.3
04:00	25.0	27.3	2.8	15.6	40.5	20.1	13.7	1.6	4.7
05:00	353.2	2.4	335.4	351.1	31.0	16.0	17.1	2.5	4.9
06:00	50.1	49.4	45.9	39.4	23.2	17.1	13.6	1.4	3.9
07:00	57.8	57.4	53.4	48.0	20.9	13.1	8.2	2.3	5.5
08:00	57.9	53.5	54.9	43.5	21.8	17.0	13.6	2.7	5.4
09:00	46.5	40.0	40.4	29.9	30.8	22.4	15.8	3.8	6.6
10:00	55.8	53.5	57.7	44.2	31.1	25.4	20.1	5.3	7.8
11:00	60.0	59.0	59.3	49.4	32.9	25.3	21.4	4.9	7.3
12:00	90.1	86.5	89.3	77.3	17.9	17.1	16.1	7.9	9.1
13:00	41.8	37.9	36.1	27.2	46.6	34.3	29.2	3.8	6.7
14:00	61.4	59.5	64.7	49.6	26.2	20.4	17.2	5.9	8.5
15:00	64.2	59.0	62.5	49.4	30.9	24.8	20.1	6.1	8.3
16:00	51.6	50.9	50.8	41.1	35.9	25.1	17.5	4.5	8.0
17:00	41.9	40.1	39.4	29.4	31.7	18.8	14.2	4.1	7.6
18:00	27.6	26.9	19.5	15.1	26.6	13.2	10.7	3.3	6.7
19:00	29.2	25.0	28.0	12.9	22.1	10.4	9.4	2.4	6.1
20:00	34.0	32.4	34.3	20.5	19.6	10.6	8.4	2.6	6.2
21:00	38.3	36.7	36.5	25.3	20.6	11.6	9.0	3.0	6.5
22:00	48.1	45.5	49.9	35.1	23.4	12.5	9.4	3.3	7.4
23:00	53.8	53.7	50.3	44.1	21.2	11.8	7.9	3.0	6.8
Avg	38.0	37.0	34.0	27.0	31.7	20.5	15.6	.0	.0
Max	353.2	345.1	346.4	351.1	67.1	57.3	31.7	7.9	9.1
Hr. of Max	05	01	02	05	03	03	03	12	12
Min	.8	.2	2.8	12.9	17.9	10.4	7.9	.1	1.3
Count	24	24	24	24	24	24	24	24	24
Total									

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OAK RIDGE NATIONAL LABORATORY
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Daily Summary Report

Site: Tower "D" (1000 Area)

11/4/2016

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	3.2	.8	1.9	3.6	1.2	3.9	2.8	2.0	.05
01:00	4.4	1.2	3.1	4.6	1.6	4.9	2.0	1.1	-.04
02:00	5.1	1.0	3.1	5.4	1.4	5.8	3.2	.7	.01
03:00	2.4	1.3	1.8	3.1	1.7	3.5	3.1	1.6	.06
04:00	6.5	2.0	4.9	6.7	2.3	7.0	-1.8	.6	-.15
05:00	6.1	2.8	5.1	6.4	3.2	6.7	-3.5	.8	-.28
06:00	6.0	1.5	4.1	6.4	1.7	6.6	-.9	1.2	-.06
07:00	8.0	2.5	5.6	8.1	2.6	8.4	-2.6	.0	-.20
08:00	7.4	3.1	5.8	7.7	3.4	8.1	-2.1	.9	-.21
09:00	8.3	4.2	6.9	8.6	4.6	9.1	-.4	.6	-.31
10:00	9.9	6.1	8.4	10.4	6.9	11.1	-.8	3.7	-.32
11:00	8.7	5.7	8.0	9.3	6.3	9.8	-.9	1.6	-.32
12:00	9.8	8.2	9.5	10.2	8.9	10.7	.0	1.3	-.11
13:00	8.0	5.1	7.7	8.9	6.0	9.6	-.8	1.2	-.38
14:00	10.3	6.6	9.2	10.9	7.3	11.5	-.9	.3	-.36
15:00	10.0	7.0	9.2	10.7	7.6	11.3	-.6	2.3	-.23
16:00	10.5	5.3	8.7	11.0	5.8	11.6	1.8	2.7	-.16
17:00	9.8	4.7	8.1	10.2	5.2	10.7	-1.0	-.1	-.44
18:00	8.5	3.6	6.9	8.7	3.7	9.1	-1.9	-.9	-.34
19:00	8.2	2.6	6.2	8.4	2.7	8.8	-1.1	-.3	-.15
20:00	8.5	2.8	6.3	8.6	2.9	9.0	-1.2	.0	-.22
21:00	9.0	3.2	6.6	9.1	3.3	9.6	-2.6	.1	-.28
22:00	10.1	3.5	7.6	10.2	3.8	10.6	-1.6	.6	-.25
23:00	9.5	3.2	7.0	9.6	3.5	9.9	-2.9	.0	-.33
Avg	.0	3.7	6.3	8.2	4.1	8.6	-.6	.9	-.21
Max	10.5	8.2	9.5	11.0	8.9	11.6	3.2	3.7	.06
Hr. of Max	16	12	12	16	12	16	02	10	03
Min	2.4	.8	1.8	3.1	1.2	3.5	-3.5	-.9	-.44
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/4/2016

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	.08	3.4	6.4	11.7	17.8	10.6	19.6	21.0
01:00	.02	7.1	11.2	14.7	14.8	8.6	19.9	20.9
02:00	-.03	4.8	8.2	12.6	24.2	10.1	19.9	20.3
03:00	.01	6.0	8.5	16.7	21.7	16.8	19.1	19.5
04:00	.01	7.8	10.5	12.6	16.5	8.4	18.5	19.1
05:00	.06	8.0	12.1	13.7	12.3	6.1	17.7	18.1
06:00	.11	4.1	7.8	9.8	13.6	5.1	16.3	16.9
07:00	-.04	7.8	11.2	14.4	14.3	6.2	15.4	15.6
08:00	.03	7.8	13.3	14.7	15.2	8.3	15.2	15.0
09:00	-.10	13.1	17.6	17.4	22.1	12.9	16.2	15.5
10:00	.33	18.8	19.0	22.7	19.1	15.5	17.4	16.4
11:00	.08	14.2	22.2	27.5	20.9	15.2	18.4	17.3
12:00	.19	15.8	22.2	17.6	12.0	11.8	19.3	18.3
13:00	-.05	16.9	22.0	22.0	23.0	17.2	20.6	19.4
14:00	-.12	16.0	19.7	21.8	19.2	13.4	21.2	19.9
15:00	.19	23.1	28.2	36.0	19.2	15.0	21.6	20.4
16:00	.21	14.9	20.2	21.8	24.1	13.9	21.9	20.7
17:00	-.13	16.5	28.6	32.3	22.2	11.0	21.1	20.3
18:00	-.25	10.3	14.2	15.6	19.0	8.9	19.6	19.3
19:00	-.11	8.9	17.9	18.3	18.4	7.0	18.2	18.2
20:00	-.08	9.2	11.9	21.1	17.4	6.9	17.3	17.3
21:00	-.08	10.3	16.5	21.1	16.2	7.3	16.3	16.3
22:00	.02	15.8	20.4	28.9	18.3	7.4	15.8	15.7
23:00	-.07	9.4	16.3	18.5	16.5	6.0	14.9	14.7
Avg	.01	11.3	16.1	19.3	18.3	10.4	18.4	18.2
Max	.33	23.1	28.6	36.0	24.2	17.2	21.9	21.0
Hr. of Max	10	15	17	15	02	13	16	00
Min	-.25	3.4	6.4	9.8	12.0	5.1	14.9	14.7
Count	24	24	24	24	24	24	24	24
Total								