Date Printed: 08/07/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/6/2016

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	22.7	23.2	23.9	24.3	.54	1.22	1.56	.67	1.01
01:00	22.2	22.9	23.3	23.9	.73	1.09	1.73	.35	1.00
02:00	22.0	22.4	22.9	23.4	.43	.96	1.39	.53	.96
03:00	21.7	22.4	22.8	23.1	.71	1.10	1.36	.39	.65
04:00	21.4	22.0	22.4	22.9	.61	.96	1.45	.35	.84
05:00	21.1	21.9	22.1	22.5	.81	1.02	1.40	.21	.58
06:00	20.8	21.6	21.9	22.1	.83	1.07	1.31	.24	.48
07:00	21.5	21.8	22.0	22.3	.30	.47	.78	.17	.48
08:00	22.7	22.4	22.4	22.5	-.30	-.35	-.20	-.05	.10
09:00	24.1	23.6	23.5	23.5	-.42	-.58	-.53	-.16	-.10
10:00	25.1	24.7	24.5	24.4	-.45	-.66	-.71	-.21	-.26
11:00	26.6	26.1	25.8	25.7	-.48	-.78	-.91	-.30	-.43
12:00	27.6	27.1	26.8	26.7	-.55	-.83	-.90	-.27	-.34
13:00	28.5	27.8	27.5	27.5	-.73	-1.02	-1.08	-.30	-.36
14:00	30.2	29.1	28.8	28.7	-1.08	-1.42	-1.50	-.34	-.42
15:00	30.7	29.8	29.5	29.4	-.90	-1.20	-1.32	-.30	-.42
16:00	31.6	30.7	30.3	30.2	-.89	-1.28	-1.41	-.39	-.51
17:00	31.6	30.9	30.6	30.5	-.70	-1.02	-1.15	-.32	-.45
18:00	31.4	30.9	30.7	30.6	-.50	-.73	-.78	-.23	-.28
19:00	29.0	29.8	30.0	30.0	.78	.94	1.00	.15	.22
20:00	26.2	27.2	28.2	28.8	.96	1.96	2.51	.99	1.54
21:00	26.0	27.0	27.4	27.8	.96	1.37	1.73	.41	.77
22:00	25.8	26.2	26.3	26.5	.40	.49	.69	.10	.29
23:00	24.2	24.2	24.2	24.2	.01	-.05	-.02	-.06	-.03
Avg	25.6	25.7	25.7	25.9	.04	.11	.27	.07	.22
Max	31.6	30.9	30.7	30.6	.96	1.96	2.51	.99	1.54
Hr. of Max	17	18	18	18	21	20	20	20	20
Min	20.8	21.6	21.9	22.1	-1.08	-1.42	-1.50	-.39	-.51
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/6/2016

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	21.5	22.7	21.9	28.1	95.6	99.4	18.9	20.2	0.016731
01:00	21.1	22.4	21.5	27.9	96.1	99.4	18.4	19.9	0.016314
02:00	20.9	21.9	21.3	27.7	96.3	99.4	18.2	19.3	0.01613
03:00	20.7	21.9	21.0	27.5	96.3	99.4	18.0	19.3	0.015863
04:00	20.4	21.5	20.8	27.3	96.3	99.3	17.7	18.9	0.015603
05:00	20.1	21.4	20.4	27.1	96.4	99.3	17.4	18.7	0.015309
06:00	19.8	21.1	20.2	26.9	96.5	99.3	17.1	18.4	0.015031
07:00	20.5	21.2	20.9	26.7	96.6	99.2	17.8	18.6	0.015709
08:00	21.5	21.8	21.9	26.6	95.4	99.0	18.8	19.2	0.016699
09:00	21.8	21.7	22.6	26.5	89.9	91.5	19.1	19.0	0.017053
10:00	21.1	20.7	22.4	26.5	80.3	80.9	18.2	17.9	0.016266
11:00	21.2	20.7	23.0	26.6	74.7	74.1	18.4	17.7	0.01647
12:00	20.7	20.2	23.0	26.7	68.0	67.8	17.7	17.2	0.015953
13:00	21.2	20.6	23.6	26.9	66.3	66.6	18.2	17.5	0.016422
14:00	21.0	20.3	24.0	27.2	59.7	60.9	17.9	17.2	0.016257
15:00	21.2	20.6	24.4	27.6	58.8	59.6	18.1	17.5	0.016504
16:00	20.6	20.0	24.3	28.0	54.1	54.5	17.5	16.8	0.01598
17:00	20.9	20.1	24.5	28.3	54.7	54.3	17.7	16.9	0.016218
18:00	21.3	20.7	24.7	28.5	57.0	56.5	18.2	17.6	0.016679
19:00	22.5	21.3	24.6	28.7	70.3	62.5	19.6	18.3	0.017844
20:00	22.7	22.2	23.9	28.8	83.5	76.3	20.1	19.4	0.018115
21:00	22.6	22.1	23.7	28.7	83.6	76.7	19.9	19.3	0.017897
22:00	23.0	22.8	23.9	28.5	87.1	84.1	20.4	20.2	0.018388
23:00	22.4	22.4	23.0	28.4	92.0	92.1	19.8	19.8	0.017676
Avg	21.3	21.3	22.7	27.6	81.1	81.3	18.5	18.5	0.016546
Max	23.0	22.8	24.7	28.8	96.6	99.4	20.4	20.2	0.018388
Hr. of Max	22	22	18	20	07	03	22	22	22
Min	19.8	20.0	20.2	26.5	54.1	54.3	17.1	16.8	0.015031
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/6/2016

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	0.017971	25.8	27.6	.00	29.04	983.5	-2.5	.00	234.3
01:00	0.017652	25.1	27.1	.00	29.03	983.2	-2.4	.00	259.0
02:00	0.017103	24.8	26.3	.00	29.03	983.0	-2.8	.00	236.6
03:00	0.017103	24.4	26.3	.00	29.02	982.7	-1.8	.00	279.8
04:00	0.016714	24.0	25.7	.00	29.02	982.7	-2.7	.00	232.5
05:00	0.016584	23.6	25.5	.00	29.03	983.0	-2.4	.00	260.2
06:00	0.016273	23.2	25.1	.00	29.04	983.4	-.1	.00	57.5
07:00	0.01643	24.2	25.3	.00	29.05	983.8	34.3	.05	118.6
08:00	0.017027	25.7	26.2	.00	29.06	984.1	120.1	.17	236.1
09:00	0.016914	26.3	26.1	.00	29.06	984.2	247.3	.35	209.5
10:00	0.015943	25.1	24.6	.00	29.06	984.1	244.5	.35	280.5
11:00	0.015859	25.4	24.5	.00	29.06	984.1	408.1	.58	197.9
12:00	0.0154	24.6	23.8	.00	29.06	984.0	416.2	.60	218.5
13:00	0.015799	25.3	24.4	.00	29.05	983.8	619.3	.89	211.4
14:00	0.015578	25.0	24.0	.00	29.03	983.2	813.8	1.17	226.2
15:00	0.015866	25.4	24.4	.00	29.01	982.3	731.4	1.05	222.6
16:00	0.015296	24.6	23.5	.00	28.97	981.1	701.7	1.01	216.9
17:00	0.015458	24.9	23.8	.00	28.96	980.8	426.7	.61	225.8
18:00	0.016051	25.6	24.7	.00	28.96	980.7	303.0	.43	246.8
19:00	0.016641	27.4	25.6	.00	28.97	980.9	76.6	.11	263.2
20:00	0.017514	27.8	26.9	.00	28.97	981.2	3.7	.01	316.7
21:00	0.017371	27.5	26.7	.00	28.99	981.9	-2.1	.00	305.7
22:00	0.01818	28.2	27.9	.01	29.01	982.4	-1.9	.00	55.9
23:00	0.01771	27.1	27.2	.00	29.01	982.4	-2.1	.00	80.7
Avg	0.016602	25.5	25.6	.00	29.02	982.8	213.6	.31	238.0
Max	0.01818	28.2	27.9	.01	29.06	984.2	813.8	1.17	316.7
Hr. of Max	22	22	22	22	12	09	14	14	20
Min	0.015296	23.2	23.5	.00	28.96	980.7	-2.8	.00	55.9
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/6/2016

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	250.8	242.0	234.3	235.8	19.0	9.1	9.0	1.6	2.0
01:00	234.4	270.6	261.9	262.3	28.6	8.0	40.2	1.2	2.3
02:00	212.9	242.6	242.1	238.2	26.3	17.1	20.9	1.9	2.3
03:00	259.7	216.4	272.5	220.7	44.7	39.4	14.5	.7	1.1
04:00	202.2	206.8	242.7	207.0	37.9	30.3	23.5	.8	1.2
05:00	258.4	178.2	262.5	194.1	16.2	33.0	14.4	1.1	1.7
06:00	50.4	97.1	33.0	72.3	32.5	37.4	48.1	.5	.9
07:00	8.4	37.2	187.4	10.8	43.1	22.9	38.4	.3	.3
08:00	262.8	138.4	242.0	244.1	37.3	25.9	30.6	.7	.6
09:00	222.6	214.3	218.5	242.5	26.1	38.3	27.8	1.2	1.2
10:00	284.9	280.4	277.8	270.0	43.5	41.7	49.1	1.0	1.1
11:00	206.3	195.7	204.2	208.8	37.3	44.3	50.2	1.0	.9
12:00	225.9	219.0	227.8	216.9	27.8	20.4	21.2	1.6	1.9
13:00	225.6	224.1	218.9	219.3	25.3	20.3	18.0	3.2	3.8
14:00	235.3	232.7	231.6	227.0	33.8	25.5	21.5	2.8	3.7
15:00	231.3	230.3	226.7	223.1	31.6	26.0	23.0	3.9	5.1
16:00	225.3	221.5	223.5	215.6	29.9	25.4	19.8	4.3	5.3
17:00	234.2	230.2	231.8	223.9	39.5	31.4	26.9	3.0	3.5
18:00	244.7	236.8	250.0	230.3	29.5	22.7	17.3	2.4	3.5
19:00	235.1	223.6	264.4	218.2	20.2	12.6	10.4	1.6	2.8
20:00	216.1	201.6	311.7	205.4	19.0	25.5	34.3	.7	.3
21:00	336.0	315.7	307.0	296.5	31.5	39.9	41.3	2.0	3.1
22:00	53.8	52.8	56.5	39.8	42.3	24.9	19.2	1.9	4.8
23:00	80.2	74.6	82.9	63.0	31.6	25.0	18.3	1.6	3.2
Avg	240.0	220.0	245.0	229.0	31.4	27.0	26.6	.0	.0
Max	336.0	315.7	311.7	296.5	44.7	44.3	50.2	4.3	5.3
Hr. of Max	21	21	20	21	03	11	11	16	16
Min	8.4	37.2	33.0	10.8	16.2	8.0	9.0	.3	.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)

8/6/2016

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	3.4	1.6	2.1	3.4	1.9	3.7	.6	1.8	.00
01:00	1.9	1.3	2.4	2.1	1.7	2.3	-2.2	.3	-.06
02:00	2.2	2.2	2.4	2.5	2.5	2.7	-1.3	1.4	-.07
03:00	1.4	1.0	1.1	1.4	1.3	1.7	2.2	.6	.03
04:00	1.5	1.0	1.7	1.8	1.3	2.1	-.2	1.8	-.02
05:00	.8	1.1	1.7	.8	1.5	1.3	.5	-1.7	.01
06:00	.9	.6	1.4	1.7	.9	1.9	2.1	1.8	.04
07:00	.7	.4	.6	1.4	.8	1.6	2.4	1.6	.04
08:00	.5	.9	.8	.6	1.3	.9	.4	-1.6	-.03
09:00	1.2	1.4	1.3	1.2	1.9	1.6	-3.5	-10.5	-.11
10:00	1.0	1.7	2.1	2.1	2.1	2.4	-1.9	-8.8	-.11
11:00	.7	1.2	1.2	1.0	1.8	1.6	4.7	-4.2	.20
12:00	2.0	1.7	2.0	2.1	2.3	2.5	-5.6	-12.0	-.24
13:00	3.9	3.5	4.0	4.1	4.0	4.6	-1.8	-6.6	-.22
14:00	4.5	3.8	4.5	5.1	4.2	5.7	3.2	-2.8	.17
15:00	5.9	4.6	5.7	6.4	5.2	6.9	-.6	1.8	-.26
16:00	6.2	4.7	5.7	6.5	5.2	7.0	-.6	-2.5	-.22
17:00	3.8	3.6	4.0	4.3	4.1	4.7	-1.4	-5.6	-.23
18:00	4.2	2.7	3.8	4.5	3.1	4.8	-1.3	1.0	-.20
19:00	3.5	1.8	2.9	3.6	2.2	3.9	-1.8	.0	-.13
20:00	1.4	1.0	1.1	1.8	1.1	2.0	1.6	.2	.03
21:00	4.4	2.3	3.5	4.8	2.6	5.0	-.5	-1.8	-.13
22:00	6.6	2.4	5.4	7.4	2.7	7.7	2.0	2.5	-.05
23:00	4.3	2.5	4.0	4.7	2.8	5.0	-.6	2.2	-.11
Avg	.0	2.0	2.7	3.1	2.4	3.5	-.2	-1.7	-.07
Max	6.6	4.7	5.7	7.4	5.2	7.7	4.7	2.5	.20
Hr. of Max	22	16	16	22	16	22	11	22	11
Min	.5	.4	.6	.6	.8	.9	-5.6	-12.0	-.26
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/6/2016

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	.11	3.4	7.6	8.5	6.8	2.9	25.0	25.9
01:00	.01	3.9	4.6	4.6	8.7	6.5	24.7	25.5
02:00	.06	4.8	6.6	8.9	6.1	5.5	24.1	24.9
03:00	.01	3.4	3.2	3.0	8.8	6.9	24.1	24.6
04:00	.06	2.5	3.2	4.4	8.7	9.5	23.7	24.4
05:00	-.04	3.2	3.4	2.1	5.7	6.2	23.5	24.0
06:00	.05	2.3	3.2	3.0	10.2	6.5	23.1	23.5
07:00	.03	2.1	2.7	5.5	10.2	6.9	23.4	23.8
08:00	-.03	3.2	2.5	2.3	16.4	8.1	24.1	24.0
09:00	-.23	4.4	4.4	4.1	16.9	17.2	25.4	24.9
10:00	-.32	4.8	4.6	4.6	20.9	17.0	26.4	25.7
11:00	-.15	3.7	3.9	3.2	29.1	36.4	27.6	27.0
12:00	-.51	5.5	5.3	5.0	23.0	23.3	28.4	27.7
13:00	-.63	7.8	9.6	9.4	17.8	17.9	29.1	28.4
14:00	-.27	8.7	9.8	11.2	23.4	18.2	30.4	29.5
15:00	-.04	10.5	12.6	14.0	18.7	17.5	31.1	30.2
16:00	-.39	11.7	12.1	18.8	19.6	15.3	31.8	30.9
17:00	-.47	9.2	8.9	11.7	18.1	17.9	32.2	31.4
18:00	.06	8.7	7.3	8.2	18.8	14.5	32.3	31.6
19:00	-.03	9.4	8.5	8.5	9.9	8.0	31.3	31.2
20:00	.00	3.0	2.7	3.9	8.4	6.4	28.9	30.1
21:00	-.32	6.9	12.8	14.2	14.1	10.8	28.7	29.2
22:00	.23	7.6	12.8	19.5	21.1	7.2	28.1	28.0
23:00	.05	11.2	19.5	17.4	18.2	10.6	26.1	25.7
Avg	-.12	5.9	7.2	8.2	15.0	12.4	27.2	27.2
Max	.23	11.7	19.5	19.5	29.1	36.4	32.3	31.6
Hr. of Max	22	16	23	22	11	11	18	18
Min	-.63	2.1	2.5	2.1	5.7	2.9	23.1	23.5
Count	24	24	24	24	24	24	24	24
Total								