Date Printed: 09/07/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/6/2016

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	19.1	20.7	21.3	22.4	1.65	2.19	3.30	.55	1.65
01:00	18.1	19.6	20.2	20.8	1.50	2.12	2.71	.62	1.21
02:00	17.7	19.0	19.6	20.7	1.34	1.95	3.00	.61	1.67
03:00	17.5	18.7	19.1	19.9	1.26	1.62	2.45	.36	1.20
04:00	17.0	18.1	18.5	19.2	1.09	1.55	2.20	.46	1.11
05:00	16.6	17.8	18.2	18.7	1.25	1.65	2.11	.41	.87
06:00	16.4	17.4	17.8	18.5	1.06	1.40	2.08	.34	1.02
07:00	16.4	17.5	17.8	18.1	1.03	1.37	1.69	.35	.66
08:00	19.0	18.9	18.8	18.8	-.11	-.26	-.27	-.15	-.16
09:00	22.3	21.7	21.4	21.3	-.65	-.92	-1.00	-.28	-.35
10:00	25.4	24.5	24.1	24.1	-.92	-1.27	-1.35	-.35	-.44
11:00	28.2	26.9	26.6	26.4	-1.27	-1.64	-1.78	-.37	-.51
12:00	30.4	29.0	28.6	28.4	-1.41	-1.84	-2.00	-.43	-.59
13:00	32.3	30.8	30.3	30.2	-1.45	-1.96	-2.11	-.51	-.66
14:00	33.1	31.6	31.2	31.0	-1.49	-1.93	-2.11	-.44	-.61
15:00	33.8	32.4	31.9	31.8	-1.46	-1.92	-2.06	-.46	-.60
16:00	33.9	32.6	32.2	32.0	-1.33	-1.71	-1.91	-.38	-.58
17:00	33.4	32.6	32.3	32.1	-.79	-1.12	-1.29	-.33	-.51
18:00	32.1	32.1	31.9	31.8	.02	-.17	-.25	-.20	-.27
19:00	27.7	29.1	30.4	31.1	1.38	2.67	3.39	1.29	2.01
20:00	25.0	27.2	27.8	28.5	2.21	2.74	3.50	.53	1.29
21:00	23.2	25.2	25.8	26.8	2.07	2.68	3.64	.61	1.57
22:00	21.7	23.6	24.2	24.9	1.92	2.48	3.15	.55	1.23
23:00	20.6	22.2	23.0	23.7	1.62	2.37	3.14	.76	1.52
Avg	24.2	24.6	24.7	25.1	.36	.50	.84	.15	.49
Max	33.9	32.6	32.3	32.1	2.21	2.74	3.64	1.29	2.01
Hr. of Max	16	17	17	17	20	20	21	19	19
Min	16.4	17.4	17.8	18.1	-1.49	-1.96	-2.11	-.51	-.66
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)

9/6/2016

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	15.5	15.8	16.7	26.7	81.3	74.8	13.1	13.3	0.011287
01:00	15.4	16.0	16.3	26.5	85.7	81.3	13.0	13.5	0.01118
02:00	15.4	16.3	16.2	26.2	88.1	86.0	13.1	13.8	0.011207
03:00	15.5	16.4	16.2	26.0	90.0	88.1	13.2	13.9	0.011301
04:00	15.2	16.6	15.8	25.7	91.2	92.9	13.0	14.1	0.011074
05:00	15.0	16.4	15.5	25.5	92.0	93.5	12.8	14.0	0.010897
06:00	14.9	16.4	15.4	25.3	92.3	95.3	12.7	13.9	0.010799
07:00	14.8	16.3	15.4	25.1	91.9	94.4	12.7	13.8	0.010775
08:00	16.4	16.2	17.3	24.9	86.5	86.0	13.9	13.7	0.011944
09:00	16.9	16.3	18.7	24.7	73.1	73.1	14.2	13.7	0.012352
10:00	16.2	15.8	19.3	24.7	58.3	59.9	13.5	13.2	0.011875
11:00	16.2	16.0	20.2	24.8	49.5	52.4	13.4	13.2	0.011873
12:00	16.0	15.8	20.8	25.1	43.0	45.9	13.1	13.0	0.011743
13:00	14.4	14.4	20.4	25.6	35.2	38.1	11.9	11.9	0.010667
14:00	12.1	12.0	19.1	26.3	28.8	31.3	10.2	10.2	0.009171
15:00	11.4	11.2	18.9	26.9	26.6	28.3	9.8	9.6	0.008809
16:00	11.2	11.0	18.8	27.4	26.0	27.5	9.6	9.5	0.008703
17:00	11.8	11.7	19.0	27.8	27.9	28.8	10.0	9.9	0.009044
18:00	13.2	12.2	19.5	28.0	32.9	30.6	11.0	10.3	0.009878
19:00	16.0	14.1	19.9	28.1	50.4	41.4	13.2	11.7	0.011746
20:00	16.2	15.3	19.1	28.1	59.3	49.3	13.4	12.6	0.011838
21:00	16.1	15.7	18.4	27.9	65.8	57.0	13.4	13.1	0.011748
22:00	16.2	16.5	18.0	27.7	72.2	65.7	13.6	13.8	0.011801
23:00	16.3	16.7	17.8	27.5	78.2	72.4	13.8	14.0	0.011931
Avg	14.9	15.0	18.0	26.4	63.6	62.3	12.6	12.7	0.010985
Max	16.9	16.7	20.8	28.1	92.3	95.3	14.2	14.1	0.012352
Hr. of Max	09	23	12	20	06	06	09	04	09
Min	11.2	11.0	15.4	24.7	26.0	27.5	9.6	9.5	0.008703
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/6/2016

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	0.011507	17.7	18.0	.00	29.30	992.3	-2.9	.00	51.3
01:00	0.011646	17.5	18.2	.00	29.31	992.5	-2.5	.00	296.5
02:00	0.011898	17.6	18.6	.00	29.31	992.4	-2.2	.00	329.6
03:00	0.01196	17.7	18.7	.00	29.30	992.1	-1.8	.00	316.2
04:00	0.012082	17.4	18.9	.00	29.29	992.1	-1.5	.00	294.3
05:00	0.011985	17.1	18.8	.00	29.30	992.2	-1.6	.00	342.2
06:00	0.01193	16.9	18.7	.00	29.31	992.5	-1.7	.00	348.2
07:00	0.011821	16.9	18.5	.00	29.32	993.1	24.8	.04	35.2
08:00	0.011787	18.7	18.5	.00	29.34	993.5	197.6	.28	59.3
09:00	0.011882	19.3	18.6	.00	29.34	993.5	411.9	.59	193.4
10:00	0.011541	18.6	18.1	.00	29.35	993.8	608.6	.87	212.8
11:00	0.011671	18.6	18.3	.00	29.35	993.9	763.0	1.09	208.8
12:00	0.011561	18.4	18.1	.00	29.34	993.5	860.1	1.23	207.9
13:00	0.01064	16.7	16.7	.00	29.31	992.7	906.8	1.30	225.6
14:00	0.009139	14.4	14.4	.00	29.29	992.0	927.3	1.33	107.4
15:00	0.008638	13.8	13.6	.00	29.27	991.3	841.3	1.21	120.3
16:00	0.008528	13.7	13.4	.00	29.26	990.7	680.3	.98	208.5
17:00	0.008935	14.2	14.0	.00	29.25	990.5	404.7	.58	33.3
18:00	0.009238	15.5	14.5	.00	29.25	990.4	194.9	.28	324.6
19:00	0.010441	18.4	16.3	.00	29.24	990.1	26.3	.04	306.9
20:00	0.011197	18.5	17.5	.00	29.24	990.1	-1.6	.00	16.9
21:00	0.011525	18.4	18.0	.00	29.25	990.5	-1.5	.00	322.4
22:00	0.012067	18.4	18.9	.00	29.26	990.8	-1.6	.00	343.7
23:00	0.012205	18.7	19.1	.00	29.26	991.0	-3.1	.00	307.6
Avg	0.011076	17.2	17.4	.00	29.29	992.0	284.4	.41	322.0
Max	0.012205	19.3	19.1	.00	29.35	993.9	927.3	1.33	348.2
Hr. of Max	23	09	23	23	11	11	14	14	06
Min	0.008528	13.7	13.4	.00	29.24	990.1	-3.1	.00	16.9
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/6/2016

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	74.0	70.2	52.1	58.3	26.7	9.6	15.5	1.1	2.6
01:00	303.3	112.1	295.8	97.5	36.9	30.1	14.2	.7	.2
02:00	42.0	88.4	332.9	356.1	23.1	55.4	33.5	.4	.8
03:00	57.2	69.6	309.0 +	56.2	44.3	31.6	14.9	.2	1.3
04:00	67.0	59.1	289.9	44.0	42.7	37.0	9.4	.2	.5
05:00	62.1	62.6	350.6	47.2	42.3	6.1	6.4	.2	.8
06:00	67.5	54.7	357.2	38.2	49.2	9.6	6.5	.0	.8
07:00	65.8	57.9	20.7	42.5	52.3	10.1	6.2	.2	1.3
08:00	61.4	62.0	59.1	46.9	22.9	25.3	13.3	1.1	1.5
09:00	189.6	157.1	191.6	182.8	44.5	50.2	52.9	.8	.6
10:00	220.6	221.6	219.8	216.3	28.6	19.5	21.6	2.7	3.3
11:00	218.6	215.4	213.7	208.8	38.5	31.8	27.0	3.4	4.0
12:00	219.6	223.0	213.0	215.6	52.4	40.9	37.5	2.4	3.1
13:00	239.7	242.0	231.2	235.0	58.6	54.5	51.3	2.8	3.5
14:00	111.8	111.8	109.8	99.7	38.9	36.9	41.3	2.8	2.7
15:00	121.4	116.9	126.0	105.2	40.9	41.3	39.0	3.3	3.6
16:00	219.5	220.5	217.1	216.4	54.7	42.3	35.7	.9	1.0
17:00	5.4	8.0	39.1	354.9	53.5	50.2	34.5	.8	1.9
18:00	332.1	334.0	322.8	318.4	33.9	25.1	27.8	1.1	1.7
19:00	259.5	281.6	298.5	272.6	39.6	29.4	12.4	.7	1.4
20:00	68.7	57.4	18.9	38.3	37.3	16.1	29.7	.8	1.8
21:00	69.8	56.2	321.5	40.1	17.9	19.6	14.3	.4	.7
22:00	65.3	72.0	341.1	58.1	31.4	15.4	14.3	.5	.9
23:00	101.1	82.7	302.1	336.2	48.9	43.8	19.6	.5	.1
Avg	78.0	82.0	318.0	44.0	40.0	30.5	24.1	.0	.0
Max	332.1	334.0	357.2	356.1	58.6	55.4	52.9	3.4	4.0
Hr. of Max	18	18	06	02	13	02	09	11	11
Min	5.4	8.0	18.9	38.2	17.9	6.1	6.2	.0	.1
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)

9/6/2016

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	3.5	1.2	2.7	3.6	1.3	3.8	3.8	1.6	.09
01:00	.6	.8	.7	.6	1.0	.9	.8	-.6	.02
02:00	.3	1.1	1.2	.7	1.3	1.1	.9	-.4	.00
03:00	2.1	1.1	1.5	2.3	1.3	2.5	.5	.4	.00
04:00	1.9	.5	.6	1.9	.8	2.1	2.1	.2	.03
05:00	1.6	.3	.8	1.7	.4	1.9	.8	-.4	.01
06:00	1.7	.0	.8	1.7	.3	1.9	1.5	-.8	.02
07:00	2.0	.4	1.3	2.1	.7	2.3	2.0	.5	.03
08:00	2.3	1.2	1.7	2.4	1.5	2.6	-5.8	-3.6	-.18
09:00	.5	1.4	1.4	1.3	2.0	1.8	-8.5	-10.1	-.27
10:00	3.4	3.1	3.6	3.6	3.6	4.1	-1.9	-7.8	-.23
11:00	4.5	4.0	4.6	5.0	4.6	5.5	2.4	2.1	-.01
12:00	3.4	3.4	3.9	4.2	4.1	4.9	2.9	1.9	.13
13:00	3.7	4.0	4.8	5.2	4.5	5.9	3.6	2.2	.20
14:00	2.4	4.4	4.8	4.7	5.1	5.4	1.4	2.8	.00
15:00	3.5	3.9	4.6	4.9	4.7	5.5	2.5	8.0	.23
16:00	1.3	3.5	4.0	4.2	4.0	4.7	1.4	-.8	.06
17:00	2.6	2.2	2.8	3.4	2.9	3.9	2.4	11.0	.02
18:00	1.8	1.5	2.4	2.8	1.8	3.1	.8	4.4	-.03
19:00	3.0	.7	1.8	3.5	.9	3.5	3.9	2.0	.07
20:00	1.9	.9	1.9	2.0	1.1	2.3	2.7	1.9	.05
21:00	1.7	.4	.7	1.9	.6	2.1	1.1	-.1	.01
22:00	1.6	.7	.9	1.8	.9	2.0	1.4	-.1	.03
23:00	.2	.8	.2	.2	1.0	.6	2.6	.1	.05
Avg	.0	1.7	2.2	2.7	2.1	3.1	1.1	.6	.01
Max	4.5	4.4	4.8	5.2	5.1	5.9	3.9	11.0	.23
Hr. of Max	11	14	14	13	14	13	19	17	15
Min	.2	.0	.2	.2	.3	.6	-8.5	-10.1	-.27
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/6/2016

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	3.0	4.1	5.3	7.5	3.0	21.7	23.2
01:00	-.01	2.5	3.7	7.8	5.7	7.4	20.6	21.7
02:00	.02	2.7	3.2	3.4	7.8	9.0	20.1	21.7
03:00	.05	4.6	6.2	6.0	8.7	5.8	19.9	20.9
04:00	.01	1.6	1.6	2.7	7.0	4.1	19.2	20.1
05:00	-.01	1.6	2.5	4.4	7.0	3.8	18.9	19.6
06:00	-.02	.0	2.1	3.7	6.1	2.8	18.6	19.4
07:00	.02	1.8	3.0	5.0	7.0	3.9	18.6	19.0
08:00	-.17	3.4	3.7	6.2	17.1	12.6	20.2	19.7
09:00	-.38	4.8	4.8	5.0	25.5	28.7	22.9	22.2
10:00	-.63	8.9	7.6	8.0	21.4	19.6	25.4	24.5
11:00	.04	10.1	10.5	16.5	23.2	22.3	27.7	26.8
12:00	.11	15.6	13.5	11.9	25.5	26.1	29.7	28.7
13:00	.17	10.5	11.7	11.7	25.2	24.2	31.3	30.2
14:00	.29	11.0	11.9	10.5	22.1	25.7	32.0	31.0
15:00	.78	12.6	13.1	10.8	22.9	22.3	32.7	31.7
16:00	-.12	9.2	9.6	8.7	22.5	25.0	32.9	31.9
17:00	.70	7.3	9.6	9.6	26.1	24.9	33.1	32.3
18:00	.26	6.2	6.6	9.4	20.7	16.7	32.7	31.9
19:00	.13	2.1	5.0	6.6	11.1	6.6	29.7	31.3
20:00	.07	3.0	3.4	3.7	9.3	10.7	28.0	29.0
21:00	.00	1.8	2.7	3.9	5.5	4.7	26.0	27.5
22:00	.00	2.1	3.7	3.9	8.0	3.9	24.6	25.7
23:00	.00	3.0	1.4	2.3	7.1	5.8	23.2	24.6
Avg	.06	5.4	6.1	7.0	14.6	13.3	25.4	25.6
Max	.78	15.6	13.5	16.5	26.1	28.7	33.1	32.3
Hr. of Max	15	12	12	11	17	09	17	17
Min	-.63	.0	1.4	2.3	5.5	2.8	18.6	19.0
Count	24	24	24	24	24	24	24	24
Total								