Date Printed: 10/17/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

10/16/2016

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	16.2	18.3	19.4	19.8	2.10	3.20	3.62	1.10	1.52
01:00	16.7	18.7	19.2	19.4	1.97	2.53	2.72	.56	.76
02:00	16.6	18.3	18.9	19.1	1.77	2.31	2.50	.54	.73
03:00	16.3	17.6	18.1	18.4	1.29	1.82	2.12	.53	.83
04:00	15.2	17.2	17.5	17.8	1.99	2.30	2.57	.31	.58
05:00	15.5	17.0	17.3	17.5	1.51	1.75	1.92	.24	.41
06:00	15.8	16.8	17.1	17.4	1.00	1.30	1.59	.30	.59
07:00	15.8	16.8	17.2	17.5	.98	1.38	1.66	.40	.68
08:00	16.7	17.2	17.6	17.7	.47	.92	1.04	.45	.57
09:00	19.1	18.8	18.5	18.5	-.32	-.55	-.60	-.22	-.28
10:00	21.1	20.2	19.9	19.8	-.88	-1.23	-1.37	-.35	-.49
11:00	23.0	21.9	21.5	21.4	-1.10	-1.50	-1.61	-.40	-.52
12:00	24.5	23.2	22.7	22.6	-1.32	-1.75	-1.87	-.43	-.55
13:00	25.4	24.2	23.8	23.7	-1.24	-1.59	-1.72	-.36	-.49
14:00	26.5	25.4	25.0	24.8	-1.17	-1.57	-1.70	-.40	-.53
15:00	26.7	25.7	25.3	25.2	-1.05	-1.41	-1.53	-.36	-.47
16:00	27.1	26.1	25.7	25.6	-1.02	-1.39	-1.53	-.37	-.51
17:00	26.8	26.2	25.9	25.8	-.64	-.92	-1.04	-.28	-.40
18:00	24.8	25.4	25.5	25.5	.65	.68	.69	.03	.03
19:00	20.7	22.6	23.4	24.1	1.90	2.75	3.43	.85	1.53
20:00	18.7	20.9	21.5	22.5	2.25	2.77	3.81	.52	1.57
21:00	17.3	19.3	19.9	21.0	1.98	2.60	3.66	.62	1.68
22:00	16.3	18.2	18.8	20.3	1.90	2.54	4.06	.65	2.16
23:00	15.5	17.3	18.0	20.0	1.85	2.54	4.59	.69	2.74
Avg	19.9	20.6	20.7	21.1	.62	.81	1.13	.19	.51
Max	27.1	26.2	25.9	25.8	2.25	3.20	4.59	1.10	2.74
Hr. of Max	16	17	17	17	20	00	23	00	23
Min	15.2	16.8	17.1	17.4	-1.32	-1.75	-1.87	-.43	-.55
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/16/2016

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	12.7	13.1	13.9	21.2	81.3	73.0	11.0	11.2	0.009381
01:00	13.1	13.3	14.3	21.1	80.6	72.3	11.3	11.4	0.009626
02:00	13.3	13.4	14.4	21.0	82.6	74.3	11.5	11.5	0.009773
03:00	13.3	13.4	14.3	20.9	83.6	77.7	11.5	11.5	0.009739
04:00	12.9	13.6	13.7	20.7	87.4	80.4	11.2	11.6	0.00951
05:00	13.2	13.8	14.0	20.6	87.6	82.7	11.4	11.8	0.009708
06:00	13.5	14.0	14.3	20.5	87.6	84.6	11.6	11.9	0.009892
07:00	13.7	14.2	14.4	20.4	88.8	86.2	11.8	12.1	0.010006
08:00	14.3	14.4	15.1	20.3	87.3	85.3	12.2	12.3	0.010435
09:00	15.0	14.8	16.4	20.3	78.9	79.3	12.7	12.5	0.010941
10:00	14.8	14.6	16.9	20.3	68.6	71.4	12.4	12.3	0.010778
11:00	13.9	13.7	17.0	20.3	57.9	61.0	11.7	11.6	0.010229
12:00	13.5	13.3	17.2	20.5	51.5	54.8	11.4	11.2	0.009952
13:00	13.4	13.3	17.4	20.7	48.3	51.6	11.2	11.2	0.009879
14:00	12.8	12.9	17.4	21.1	43.7	47.0	10.8	10.9	0.009562
15:00	12.9	12.8	17.5	21.5	43.6	46.0	10.9	10.8	0.009637
16:00	12.4	12.3	17.3	21.8	41.0	43.2	10.5	10.5	0.009304
17:00	12.1	12.0	17.0	22.1	41.1	42.3	10.3	10.3	0.00915
18:00	12.6	12.2	16.6	22.2	48.0	44.8	10.7	10.4	0.009421
19:00	13.1	13.2	15.6	22.3	63.2	56.8	11.2	11.2	0.009709
20:00	13.1	13.6	14.9	22.3	71.0	64.0	11.2	11.5	0.009664
21:00	13.0	13.7	14.4	22.2	77.0	71.2	11.2	11.7	0.00961
22:00	12.9	13.8	14.0	22.0	81.9	77.0	11.2	11.8	0.009544
23:00	12.7	13.8	13.6	21.8	85.1	81.5	11.1	11.8	0.009427
Avg	13.3	13.5	15.5	21.2	69.5	67.0	11.3	11.5	0.009787
Max	15.0	14.8	17.5	22.3	88.8	86.2	12.7	12.5	0.010941
Hr. of Max	09	09	15	20	07	07	09	09	09
Min	12.1	12.0	13.6	20.3	41.0	42.3	10.3	10.3	0.00915
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)

10/16/2016

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	0.009624	14.7	15.1	.00	29.30	992.3	-2.2	.00	250.4
01:00	0.009779	15.1	15.4	.00	29.30	992.4	-2.3	.00	257.8
02:00	0.009829	15.4	15.4	.00	29.31	992.5	-2.2	.00	236.1
03:00	0.009821	15.3	15.4	.00	29.30	992.4	-1.9	.00	220.3
04:00	0.009937	14.9	15.6	.00	29.30	992.2	-2.4	.00	228.6
05:00	0.010094	15.3	15.8	.00	29.30	992.4	-2.2	.00	218.1
06:00	0.010185	15.5	16.0	.00	29.30	992.3	-1.9	.00	214.3
07:00	0.010348	15.7	16.2	.00	29.31	992.5	-1.2	.00	288.5
08:00	0.0105	16.4	16.5	.00	29.31	992.5	59.5	.09	214.1
09:00	0.010776	17.2	16.9	.00	29.31	992.7	167.3	.24	224.9
10:00	0.010628	16.9	16.7	.00	29.31	992.7	480.6	.69	242.2
11:00	0.010071	16.1	15.8	.00	29.30	992.1	604.3	.87	211.7
12:00	0.009796	15.6	15.4	.00	29.28	991.6	678.1	.97	212.6
13:00	0.009812	15.5	15.4	.00	29.25	990.5	646.1	.93	217.8
14:00	0.009583	15.0	15.0	.00	29.21	989.3	605.2	.87	213.0
15:00	0.009553	15.1	15.0	.00	29.19	988.5	473.0	.68	245.1
16:00	0.009241	14.6	14.5	.00	29.17	987.9	461.7	.66	210.6
17:00	0.009066	14.3	14.2	.00	29.15	987.3	259.6	.37	224.4
18:00	0.009189	14.7	14.4	.00	29.15	987.2	48.3	.07	224.6
19:00	0.009809	15.2	15.3	.00	29.16	987.4	-1.8	.00	318.7
20:00	0.010013	15.1	15.6	.00	29.16	987.6	-2.6	.00	15.4
21:00	0.010062	15.0	15.7	.00	29.17	987.9	-2.5	.00	345.0
22:00	0.010115	14.9	15.8	.00	29.18	988.1	-2.4	.00	306.6
23:00	0.010158	14.8	15.9	.00	29.18	988.1	-2.3	.00	45.0
Avg	0.009916	15.3	15.5	.00	29.25	990.4	185.7	.27	241.0
Max	0.010776	17.2	16.9	.00	29.31	992.7	678.1	.97	345.0
Hr. of Max	09	09	09	23	10	10	12	12	21
Min	0.009066	14.3	14.2	.00	29.15	987.2	-2.6	.00	15.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/16/2016

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	237.8	250.6	256.7	244.2	36.3	24.7	9.2	.5	2.0
01:00	235.3	236.7	260.9	231.1	16.6	9.6	6.2	.6	1.8
02:00	247.9	243.5	240.4	237.0	12.5	8.9	7.4	2.1	3.7
03:00	241.9	243.2	225.2	236.5	7.0	5.9	4.7	2.9	3.9
04:00	244.2	242.1	233.6	235.4	11.5	7.1	6.1	2.2	3.4
05:00	246.8	256.4	222.6	249.8	12.0	12.3	8.3	2.0	3.3
06:00	222.8	249.2	228.0	244.4	30.3	21.1	18.2	1.1	1.8
07:00	270.9	275.2	265.0	267.7	21.7	51.6	12.9	.4	1.0
08:00	256.2	267.3	218.4	260.9	18.0	13.6	11.6	1.3	2.5
09:00	244.1	250.4	230.7	244.1	24.9	20.1	15.8	2.8	3.7
10:00	249.3	245.9	247.5	239.0	24.2	19.5	16.1	4.7	6.2
11:00	217.2	215.7	217.4	209.0	26.7	18.7	15.7	6.2	8.6
12:00	217.9	215.5	218.7	208.9	27.1	20.7	17.9	6.7	8.8
13:00	223.3	221.1	222.8	214.5	33.7	25.3	23.5	4.6	6.1
14:00	219.1	218.5	217.7	211.7	37.7	29.8	23.0	4.4	6.0
15:00	251.3	248.0	250.7	241.2	31.9	24.5	21.3	4.4	5.9
16:00	220.2	219.7	218.2	213.1	31.7	30.5	27.7	3.7	4.6
17:00	227.8	222.7	231.0	216.8	34.3	27.3	21.4	3.4	4.4
18:00	211.5	204.7	228.3	199.5	25.8	15.8	11.2	1.6	3.1
19:00	289.9	153.3	313.8	153.1	22.5	31.4	19.9	.5	.3
20:00	58.2	60.8	12.1	10.5	29.8	8.7	13.0	.4	.9
21:00	68.3	126.6	66.0	131.0	37.2	9.0	12.4	.2	.5
22:00	27.3	124.1	291.1	242.2	28.6	40.8	35.1	.3	.2
23:00	43.5	210.2	296.3	213.7	45.4	13.7	21.8	.2	.9
Avg	240.0	227.0	243.0	227.0	26.1	20.4	15.9	.0	.0
Max	289.9	275.2	313.8	267.7	45.4	51.6	35.1	6.7	8.8
Hr. of Max	19	07	19	07	23	07	22	12	12
Min	27.3	60.8	12.1	10.5	7.0	5.9	4.7	.2	.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/16/2016

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	4.1	1.2	2.3	4.1	1.4	4.3	1.9	.6	.04
01:00	3.3	.7	1.8	3.4	1.0	3.6	1.6	.0	.02
02:00	5.4	2.2	3.8	5.6	2.5	5.8	-.1	.4	.00
03:00	5.6	3.0	3.9	5.6	3.3	6.0	-2.0	.7	-.12
04:00	5.2	2.3	3.4	5.2	2.6	5.5	-.1	1.3	-.01
05:00	5.1	2.1	3.4	5.2	2.4	5.4	.5	1.5	.02
06:00	3.0	1.5	2.0	3.1	1.8	3.3	.9	.0	.02
07:00	3.3	.7	1.1	3.3	1.1	3.4	.7	1.3	.02
08:00	4.0	1.4	2.6	4.0	1.8	4.2	1.6	1.4	.04
09:00	4.7	3.0	3.9	4.8	3.6	5.2	1.3	1.1	-.11
10:00	7.1	5.2	6.6	7.6	5.9	8.1	-2.0	-1.5	-.42
11:00	9.9	6.9	9.0	10.3	7.5	10.9	-1.5	-4.1	-.34
12:00	9.9	7.4	9.4	10.3	8.1	11.0	-.4	-3.4	-.33
13:00	7.2	5.7	7.1	8.1	6.3	8.6	-1.8	-3.0	-.34
14:00	7.1	5.3	6.8	7.8	6.1	8.4	2.0	-.7	.05
15:00	6.5	5.6	6.9	7.4	6.0	7.9	-1.2	-3.7	-.29
16:00	5.2	4.8	5.8	6.4	5.3	6.8	-1.4	-4.4	-.28
17:00	5.1	4.0	5.0	5.5	4.4	5.9	-.5	-3.2	-.13
18:00	4.5	2.0	3.3	4.6	2.5	4.9	1.2	1.0	-.01
19:00	1.4	.5	.8	1.6	.8	1.8	.5	.0	.00
20:00	1.0	.5	.9	1.0	.6	1.3	1.2	.2	.03
21:00	.2	.4	.6	.2	.7	.5	1.3	-1.1	.02
22:00	.1	.5	.3	.2	.8	.7	1.8	-2.1	.02
23:00	1.3	.2	.9	1.4	.5	1.8	1.8	-1.0	.03
Avg	.0	2.8	3.8	4.9	3.2	5.2	.3	-.8	-.09
Max	9.9	7.4	9.4	10.3	8.1	11.0	2.0	1.5	.05
Hr. of Max	12	12	12	12	12	12	14	05	14
Min	.1	.2	.3	.2	.5	.5	-2.0	-4.4	-.42
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/16/2016

Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	36_SonicTemp_015m	37_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	.05	2.5	7.3	10.1	7.5	5.0	19.1	20.4
01:00	.00	2.1	3.9	6.0	7.5	4.0	19.5	20.0
02:00	.04	4.1	7.1	8.9	4.6	4.0	19.1	19.6
03:00	.07	5.0	8.5	10.5	3.4	3.6	18.5	19.0
04:00	.12	5.0	6.2	10.5	3.8	3.3	18.2	18.5
05:00	.11	4.4	6.9	8.9	6.2	6.2	18.0	18.1
06:00	.01	3.9	4.8	6.9	6.1	5.0	17.8	18.1
07:00	.08	2.5	5.5	7.6	9.0	7.9	17.7	18.2
08:00	.05	4.4	7.8	9.8	9.4	9.1	18.2	18.4
09:00	.00	8.9	8.5	11.2	19.2	12.2	19.8	19.1
10:00	-.38	11.7	13.7	13.7	17.6	13.5	21.1	20.2
11:00	-.89	19.0	20.6	19.9	16.7	11.0	22.6	21.7
12:00	-.83	24.5	34.6	34.3	16.9	13.6	23.8	22.8
13:00	-.53	20.4	19.2	17.4	19.1	14.3	24.8	23.9
14:00	-.16	15.6	17.2	17.4	21.0	17.9	25.9	24.9
15:00	-.59	15.3	16.3	17.9	17.6	14.2	26.3	25.3
16:00	-.57	12.6	14.2	14.4	19.4	16.8	26.7	25.8
17:00	-.28	15.3	19.0	19.0	18.1	16.2	26.8	26.0
18:00	-.02	8.7	8.5	9.8	14.4	9.8	26.0	25.8
19:00	-.01	1.6	3.4	7.1	7.2	8.1	23.3	24.5
20:00	.01	1.8	4.4	3.4	6.5	5.9	21.7	23.1
21:00	-.01	1.8	2.1	1.6	5.0	4.8	20.1	21.6
22:00	-.04	2.5	2.3	2.3	6.6	13.3	19.0	21.0
23:00	-.05	1.8	1.8	3.7	7.0	12.0	18.2	20.8
Avg	-.16	8.1	10.2	11.3	11.2	9.7	21.3	21.5
Max	.12	24.5	34.6	34.3	21.0	17.9	26.8	26.0
Hr. of Max	04	12	12	12	14	14	17	17
Min	-.89	1.6	1.8	1.6	3.4	3.3	17.7	18.1
Count	24	24	24	24	24	24	24	24
Total								