Date Printed: 10/25/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

10/24/2016

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	7.8	10.9	12.4	13.8	3.11	4.57	6.00	1.46	2.89
01:00	7.2	9.7	11.9	13.2	2.48	4.70	6.02	2.22	3.54
02:00	6.5	9.0	10.9	12.6	2.47	4.36	6.11	1.88	3.64
03:00	6.1	8.6	10.3	12.1	2.44	4.14	5.98	1.70	3.54
04:00	6.0	8.4	9.6	11.6	2.41	3.66	5.68	1.25	3.27
05:00	5.9	8.2	9.9	11.6	2.31	3.99	5.78	1.69	3.47
06:00	5.8	7.8	8.9	11.0	2.02	3.07	5.20	1.05	3.18
07:00	5.6	7.6	8.7	11.0	1.94	3.10	5.37	1.16	3.43
08:00	6.7	7.5	9.1	11.1	.86	2.41	4.44	1.55	3.57
09:00	11.1	10.8	11.5	13.3	-.26	.48	2.24	.74	2.51
10:00	16.2	15.4	15.2	15.3	-.78	-1.05	-.93	-.27	-.15
11:00	19.8	18.8	18.4	18.3	-1.03	-1.37	-1.52	-.33	-.48
12:00	22.0	20.8	20.4	20.2	-1.21	-1.63	-1.77	-.42	-.56
13:00	23.3	22.1	21.8	21.7	-1.20	-1.56	-1.68	-.37	-.48
14:00	25.4	24.2	23.8	23.6	-1.19	-1.59	-1.78	-.40	-.58
15:00	26.4	25.3	24.9	24.8	-1.16	-1.52	-1.64	-.36	-.48
16:00	26.5	25.8	25.4	25.3	-.80	-1.13	-1.24	-.33	-.44
17:00	25.9	25.5	25.2	25.1	-.43	-.69	-.76	-.26	-.33
18:00	22.6	24.1	24.1	24.1	1.51	1.46	1.52	-.05	.02
19:00	17.8	21.2	22.1	22.4	3.46	4.35	4.67	.89	1.21
20:00	14.9	17.9	19.3	20.6	3.04	4.41	5.70	1.37	2.66
21:00	12.9	15.6	17.3	18.4	2.64	4.38	5.46	1.74	2.82
22:00	11.2	15.2	16.3	17.2	3.93	5.07	5.97	1.14	2.03
23:00	11.5	15.1	15.8	16.4	3.66	4.31	4.92	.65	1.26
Avg	14.4	15.6	16.4	17.3	1.26	2.00	2.91	.74	1.65
Max	26.5	25.8	25.4	25.3	3.93	5.07	6.11	2.22	3.64
Hr. of Max	16	16	16	16	22	22	02	01	02
Min	5.6	7.5	8.7	11.0	-1.21	-1.63	-1.78	-.42	-.58
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/24/2016

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	4.6	5.3	5.7	17.3	81.1	68.9	6.6	6.8	0.005395
01:00	4.5	5.3	5.4	17.1	83.7	74.9	6.5	6.8	0.005326
02:00	4.3	5.3	5.1	17.0	86.7	78.5	6.5	6.9	0.005273
03:00	4.2	5.4	4.8	16.8	88.1	81.4	6.4	6.9	0.005212
04:00	4.2	5.4	4.8	16.6	89.2	82.3	6.4	6.9	0.005222
05:00	4.3	5.7	4.8	16.5	90.2	85.1	6.4	7.1	0.005243
06:00	4.3	5.6	4.8	16.3	90.6	86.8	6.4	7.0	0.005244
07:00	4.2	5.5	4.7	16.1	91.1	87.4	6.4	7.0	0.005209
08:00	4.7	5.2	5.4	16.0	88.3	86.2	6.6	6.8	0.005416
09:00	6.5	5.6	8.0	15.9	74.7	71.5	7.4	7.0	0.006143
10:00	6.4	5.9	9.6	15.8	53.0	53.8	7.2	7.0	0.006106
11:00	6.2	5.7	10.7	15.9	41.8	43.1	7.1	6.9	0.00605
12:00	6.5	6.0	11.6	16.0	37.4	39.0	7.2	7.0	0.006201
13:00	6.7	6.6	12.3	16.2	35.1	37.4	7.3	7.3	0.006332
14:00	6.8	6.8	13.0	16.6	31.3	33.6	7.3	7.3	0.006381
15:00	4.9	4.6	12.1	17.1	25.8	27.1	6.4	6.3	0.005604
16:00	3.8	3.5	11.4	17.5	23.8	24.5	5.9	5.8	0.005204
17:00	3.5	3.1	11.0	17.8	24.2	24.1	5.8	5.7	0.005086
18:00	4.2	2.8	10.3	18.1	31.0	25.6	6.1	5.6	0.005306
19:00	4.5	1.6	8.9	18.3	42.2	28.0	6.3	5.2	0.005382
20:00	3.9	3.1	7.6	18.3	48.4	37.8	6.1	5.7	0.005141
21:00	3.9	4.0	6.9	18.3	54.9	46.7	6.2	6.2	0.005135
22:00	4.3	4.6	6.6	18.2	63.0	49.9	6.4	6.4	0.005265
23:00	5.2	5.2	7.3	18.0	65.9	52.2	6.8	6.7	0.005597
Avg	4.9	4.9	8.0	17.0	60.1	55.2	6.6	6.6	0.00552
Max	6.8	6.8	13.0	18.3	91.1	87.4	7.4	7.3	0.006381
Hr. of Max	14	14	14	21	07	07	09	14	14
Min	3.5	1.6	4.7	15.8	23.8	24.1	5.8	5.2	0.005086
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)

10/24/2016

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	0.005651	8.5	8.9	.00	29.30	992.2	-2.2	.00	211.7
01:00	0.005638	8.4	8.9	.00	29.30	992.1	-2.5	.00	222.8
02:00	0.005656	8.3	8.9	.00	29.29	992.1	-2.0	.00	211.7
03:00	0.00569	8.2	9.0	.00	29.30	992.3	-2.5	.00	166.1
04:00	0.005686	8.3	9.0	.00	29.30	992.3	-2.3	.00	92.6
05:00	0.005795	8.3	9.2	.00	29.31	992.5	-2.6	.00	141.5
06:00	0.005778	8.3	9.1	.00	29.32	992.8	-1.6	.00	91.8
07:00	0.005712	8.2	9.0	.00	29.32	993.0	-2.0	.00	221.1
08:00	0.005606	8.6	8.9	.00	29.33	993.3	90.3	.13	220.3
09:00	0.005784	9.7	9.2	.00	29.35	993.8	286.7	.41	177.6
10:00	0.005897	9.7	9.3	.00	29.34	993.7	462.3	.66	199.4
11:00	0.005844	9.6	9.2	.00	29.33	993.3	602.5	.86	228.4
12:00	0.006003	9.8	9.5	.00	29.32	993.0	693.1	.99	228.4
13:00	0.006257	10.0	9.9	.00	29.31	992.5	722.9	1.04	233.7
14:00	0.006371	10.1	10.1	.00	29.28	991.6	685.3	.98	262.0
15:00	0.005476	8.8	8.6	.00	29.26	991.0	592.4	.85	264.8
16:00	0.005101	8.2	8.1	.00	29.26	990.9	426.0	.61	281.7
17:00	0.004952	8.0	7.8	.00	29.26	991.0	236.0	.34	272.9
18:00	0.004839	8.4	7.7	.00	29.27	991.4	33.5	.05	323.3
19:00	0.004431	8.5	7.0	.00	29.30	992.1	-2.3	.00	5.2
20:00	0.004875	8.1	7.7	.00	29.32	992.8	-2.0	.00	85.7
21:00	0.00518	8.1	8.2	.00	29.33	993.3	-2.2	.00	79.6
22:00	0.005395	8.3	8.5	.00	29.35	993.9	-3.2	.00	67.8
23:00	0.005624	8.9	8.9	.00	29.36	994.4	-2.2	.00	59.3
Avg	0.005552	8.7	8.8	.00	29.31	992.6	200.1	.29	207.0
Max	0.006371	10.1	10.1	.00	29.36	994.4	722.9	1.04	323.3
Hr. of Max	14	14	14	23	23	23	13	13	18
Min	0.004431	8.0	7.0	.00	29.26	990.9	-3.2	.00	5.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/24/2016

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	237.9	220.1	247.1	215.7	33.5	44.4	6.9	.9	1.8
01:00	263.8	222.2	238.4	218.0	56.3	17.7	7.4	1.4	1.5
02:00	251.7	217.7	239.0	213.7	51.8	9.3	5.5	.9	2.5
03:00	242.1	229.8	225.0	225.7	27.3	32.7	7.0	.8	.9
04:00	49.6	227.8	70.2	230.7	9.0	12.4	29.4	.2	1.3
05:00	255.9	224.7	230.3	221.1	62.8	35.0	11.6	.2	.7
06:00	53.2	253.9	72.5	254.7	40.1	28.5	28.3	.0	.3
07:00	245.2	241.8	241.3	237.7	41.2	19.6	18.6	1.1	1.7
08:00	246.9	244.6	231.5	239.8	21.3	8.5	17.2	1.7	1.7
09:00	231.6	241.0	194.2	235.8	24.4	15.8	7.3	1.3	2.4
10:00	219.5	227.0	202.4	221.9	20.7	17.3	12.1	3.4	4.3
11:00	244.7	245.4	232.0	239.0	40.3	29.0	23.4	3.0	3.8
12:00	252.3	255.1	232.0	249.0	58.4	41.9	35.5	2.6	3.5
13:00	245.8	244.3	231.7	238.4	47.3	38.0	37.0	2.9	3.8
14:00	269.8	276.0	261.8	269.4	49.5	41.8	36.7	2.2	3.3
15:00	277.4	278.2	264.3	271.2	36.5	27.1	24.0	4.9	6.6
16:00	294.9	297.9	276.5	289.6	40.5	30.6	25.7	4.1	5.3
17:00	279.4	281.5	270.1	275.1	31.0	24.4	20.1	3.5	4.6
18:00	327.7	328.7	308.8	318.1	25.4	17.5	17.2	2.5	4.1
19:00	16.3	12.2	334.1	.5	31.2	20.1	15.3	1.2	3.0
20:00	3.9	14.0	76.8	1.4	18.8	32.8	9.2	.4	1.8
21:00	58.2	48.2	69.1	38.0	17.5	26.6	16.5	.8	2.1
22:00	57.1	61.7	49.1	52.4	17.4	9.1	4.7	1.1	3.8
23:00	62.6	60.8	49.3	51.7	15.3	8.8	5.1	1.9	5.7
Avg	276.0	259.0	247.0	255.0	34.1	24.5	17.6	.0	.0
Max	327.7	328.7	334.1	318.1	62.8	44.4	37.0	4.9	6.6
Hr. of Max	18	18	19	18	05	00	13	15	15
Min	3.9	12.2	49.1	.5	9.0	8.5	4.7	.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)

10/24/2016

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	2.7	.9	1.9	2.7	1.5	3.0	2.9	-.1	.08
01:00	3.3	1.4	1.6	3.4	1.9	3.7	1.8	.5	.04
02:00	4.9	1.0	2.6	4.9	1.5	5.2	1.5	1.2	.02
03:00	3.9	.9	1.3	4.0	1.4	4.3	2.0	.6	.05
04:00	1.0	.2	1.4	1.1	.7	1.4	2.4	-1.6	.04
05:00	1.4	.4	.9	1.4	1.0	1.7	1.1	-2.4	.02
06:00	1.0	.1	.8	1.3	.6	1.6	2.4	-1.0	.03
07:00	1.3	1.2	1.8	1.3	1.7	1.6	1.9	.4	.04
08:00	2.1	1.7	1.7	2.3	2.2	2.5	1.9	.2	.06
09:00	4.3	1.6	2.5	4.4	2.2	4.7	.5	1.2	.03
10:00	5.4	3.7	4.5	5.6	4.2	6.1	2.2	-.4	.10
11:00	4.4	4.1	4.7	5.2	4.6	5.9	1.5	-.5	-.08
12:00	4.3	3.8	4.5	5.0	4.4	5.7	3.5	4.7	.18
13:00	4.2	4.5	5.2	5.2	5.1	5.9	-1.1	-3.4	-.26
14:00	4.2	4.0	5.0	5.7	4.7	6.5	.4	.9	-.14
15:00	7.5	5.8	7.3	8.1	6.4	8.8	-3.0	-2.8	-.57
16:00	6.0	4.8	5.8	6.5	5.2	6.9	-4.8	-3.5	-.62
17:00	5.7	4.0	5.1	6.1	4.3	6.4	-.3	1.2	-.20
18:00	5.5	2.7	4.4	5.9	2.9	6.2	-2.4	-.2	-.21
19:00	4.6	1.3	3.2	4.9	1.7	5.2	-.2	.6	-.06
20:00	5.3	.4	1.9	5.4	.8	5.7	2.5	3.0	.05
21:00	4.3	.9	2.4	4.4	1.2	4.7	3.4	1.5	.07
22:00	7.4	1.2	3.9	7.4	1.4	7.7	2.8	-.4	.06
23:00	9.4	2.0	5.8	9.4	2.0	9.8	-.4	.3	-.06
Avg	.0	2.2	3.3	4.7	2.7	5.1	.9	.0	-.06
Max	9.4	5.8	7.3	9.4	6.4	9.8	3.5	4.7	.18
Hr. of Max	23	15	15	23	15	23	12	12	12
Min	1.0	.1	.8	1.1	.6	1.4	-4.8	-3.5	-.62
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/24/2016

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	2.7	3.9	4.6	5.2	2.6	11.2	14.1
01:00	.03	4.6	7.1	6.6	5.6	3.1	10.0	13.4
02:00	.11	6.2	5.0	9.8	5.8	1.9	9.3	12.9
03:00	.04	3.4	5.7	8.9	6.1	2.0	8.8	12.4
04:00	-.04	1.6	2.7	3.2	8.9	8.7	8.7	11.9
05:00	-.07	2.3	2.5	3.7	6.7	7.1	8.5	11.9
06:00	-.03	1.4	2.5	4.1	8.3	8.9	8.2	11.3
07:00	.02	3.0	4.1	2.3	6.4	6.3	7.9	11.2
08:00	.01	3.4	5.0	4.8	5.1	5.0	7.9	11.3
09:00	.10	5.3	5.7	9.6	16.4	3.6	11.2	13.2
10:00	-.10	9.4	9.2	11.9	17.5	11.8	15.7	15.1
11:00	-.24	11.2	13.1	12.6	23.3	20.7	19.0	18.1
12:00	.32	11.0	11.4	11.0	24.7	22.5	20.9	20.0
13:00	-.43	12.6	16.3	16.0	23.5	25.5	22.3	21.4
14:00	-.08	13.7	13.7	17.9	26.2	22.1	24.4	23.3
15:00	-.63	15.8	16.5	18.1	20.0	16.7	25.3	24.4
16:00	-.72	15.3	16.9	21.1	21.6	17.2	25.8	24.9
17:00	-.12	10.1	16.3	14.9	18.5	15.4	25.6	24.8
18:00	-.15	10.1	9.4	14.2	14.3	11.6	24.2	23.8
19:00	.03	4.6	8.9	11.4	13.3	6.8	21.1	22.1
20:00	.30	1.8	8.0	13.3	12.8	5.1	18.0	20.3
21:00	.09	3.4	4.8	8.9	10.9	5.5	15.8	18.3
22:00	-.06	3.0	8.7	11.2	10.0	2.8	15.2	17.2
23:00	.03	5.5	9.6	14.7	14.6	3.9	15.3	16.4
Avg	-.07	6.7	8.6	10.6	13.6	9.9	15.8	17.2
Max	.32	15.8	16.9	21.1	26.2	25.5	25.8	24.9
Hr. of Max	12	15	16	16	14	13	16	16
Min	-.72	1.4	2.5	2.3	5.1	1.9	7.9	11.2
Count	24	24	24	24	24	24	24	24
Total								