Date Printed: 06/08/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/7/2016

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	17.2	18.4	19.0	20.2	1.26	1.86	3.07	.60	1.81
01:00	16.7	17.7	18.4	19.9	1.00	1.72	3.20	.73	2.20
02:00	16.1	17.1	18.1	19.0	.94	2.01	2.93	1.07	1.99
03:00	15.7	16.3	17.4	18.3	.58	1.68	2.60	1.09	2.02
04:00	15.5	15.9	17.1	17.7	.37	1.58	2.15	1.20	1.77
05:00	15.2	15.7	16.4	17.5	.50	1.17	2.26	.67	1.76
06:00	15.3	15.9	16.5	17.6	.59	1.17	2.28	.58	1.69
07:00	16.6	16.6	16.9	17.5	.05	.36	.89	.31	.84
08:00	19.5	19.2	19.0	20.1	-.31	-.43	.59	-.12	.90
09:00	22.7	22.1	21.8	21.8	-.60	-.91	-.86	-.31	-.25
10:00	24.8	24.0	23.7	23.6	-.81	-1.12	-1.26	-.31	-.45
11:00	26.4	25.5	25.1	25.0	-.91	-1.25	-1.43	-.33	-.51
12:00	27.7	26.8	26.5	26.4	-.92	-1.22	-1.37	-.30	-.45
13:00	28.8	27.8	27.5	27.4	-.99	-1.28	-1.42	-.30	-.43
14:00	28.9	28.0	27.7	27.5	-.87	-1.18	-1.32	-.31	-.45
15:00	29.0	28.2	27.8	27.6	-.82	-1.18	-1.33	-.36	-.52
16:00	28.8	28.0	27.7	27.5	-.74	-1.08	-1.25	-.34	-.51
17:00	28.0	27.5	27.2	27.0	-.54	-.86	-1.04	-.31	-.49
18:00	27.2	26.8	26.6	26.5	-.38	-.62	-.72	-.24	-.33
19:00	25.6	25.7	25.6	25.7	.17	.07	.09	-.10	-.08
20:00	21.1	24.1	24.3	24.5	2.97	3.19	3.32	.22	.35
21:00	18.6	22.7	23.1	23.3	4.07	4.43	4.67	.37	.61
22:00	16.8	20.3	21.9	22.7	3.52	5.12	5.91	1.60	2.39
23:00	15.4	18.2	19.0	21.2	2.74	3.55	5.72	.80	2.98
Avg	21.6	22.0	22.3	22.7	.45	.70	1.15	.25	.70
Max	29.0	28.2	27.8	27.6	4.07	5.12	5.91	1.60	2.98
Hr. of Max	15	15	15	15	21	22	22	22	23
Min	15.2	15.7	16.4	17.5	-.99	-1.28	-1.43	-.36	-.52
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)

6/7/2016

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	16.3	17.9	16.6	23.9	96.4	98.9	13.8	15.3	0.012017
01:00	15.9	17.2	16.2	23.7	96.9	98.9	13.5	14.7	0.011728
02:00	15.3	16.6	15.6	23.5	97.0	98.9	13.1	14.1	0.011317
03:00	15.0	15.8	15.3	23.2	97.4	99.0	12.8	13.5	0.01108
04:00	14.9	15.5	15.1	23.0	97.5	99.0	12.7	13.2	0.010971
05:00	14.6	15.3	14.8	22.8	97.5	99.1	12.5	13.1	0.010765
06:00	14.6	15.4	14.8	22.6	97.5	99.1	12.5	13.2	0.010782
07:00	15.9	16.2	16.1	22.4	97.4	99.2	13.5	13.8	0.011711
08:00	17.4	17.3	18.1	22.2	90.1	91.3	14.8	14.7	0.012979
09:00	17.4	16.5	19.2	22.1	74.0	72.3	14.6	13.8	0.012981
10:00	16.4	15.5	19.2	22.0	61.0	60.3	13.7	12.9	0.012202
11:00	16.4	15.4	19.7	22.1	55.6	55.1	13.6	12.8	0.012192
12:00	14.4	13.2	18.8	22.4	45.2	44.2	12.0	11.1	0.010749
13:00	12.2	10.8	17.7	22.8	36.9	35.5	10.4	9.5	0.009336
14:00	10.9	9.7	16.9	23.3	33.8	32.7	9.5	8.8	0.008563
15:00	10.5	9.2	16.6	23.6	32.7	31.3	9.3	8.5	0.008345
16:00	10.0	8.5	16.2	23.9	31.9	30.2	9.0	8.2	0.008062
17:00	9.0	7.7	15.3	24.2	31.2	29.6	8.4	7.7	0.007535
18:00	8.5	7.5	14.8	24.3	31.7	30.3	8.2	7.7	0.007303
19:00	8.5	7.1	14.2	24.4	34.8	31.2	8.2	7.4	0.007254
20:00	11.9	8.3	15.0	24.4	56.9	37.3	10.3	8.1	0.009043
21:00	12.1	8.2	14.3	24.3	67.0	40.2	10.6	8.1	0.009154
22:00	11.9	9.3	13.5	24.0	73.9	50.5	10.4	8.7	0.008991
23:00	11.7	10.5	12.9	23.8	79.6	61.8	10.4	9.5	0.008866
Avg	13.4	12.7	16.1	23.3	67.2	63.6	11.6	11.2	0.010164
Max	17.4	17.9	19.7	24.4	97.5	99.2	14.8	15.3	0.012981
Hr. of Max	09	00	11	20	06	07	08	00	09
Min	8.5	7.1	12.9	22.0	31.2	29.6	8.2	7.4	0.007254
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/7/2016

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	0.013348	18.5	20.6	.00	28.89	978.5	-1.7	.00	247.1
01:00	0.012762	18.1	19.7	.00	28.89	978.3	-1.9	.00	235.7
02:00	0.012256	17.5	18.9	.00	28.88	978.1	-2.3	.00	226.6
03:00	0.011684	17.1	18.0	.00	28.87	977.8	-2.7	.00	228.3
04:00	0.011413	16.9	17.6	.00	28.87	977.7	-2.2	.00	224.7
05:00	0.011293	16.6	17.4	.00	28.87	977.7	-2.3	.00	231.9
06:00	0.011387	16.7	17.6	.00	28.88	978.0	9.1	.01	247.8
07:00	0.011956	18.1	18.4	.00	28.88	978.0	124.6	.18	236.0
08:00	0.012868	20.0	19.8	.00	28.88	978.1	353.9	.51	214.0
09:00	0.012232	20.0	18.9	.00	28.88	978.0	574.2	.82	211.9
10:00	0.011498	18.8	17.7	.00	28.88	977.9	752.8	1.08	247.6
11:00	0.011426	18.8	17.6	.00	28.88	978.0	894.1	1.28	264.9
12:00	0.009934	16.6	15.4	.00	28.88	978.0	969.5	1.39	268.3
13:00	0.008473	14.5	13.1	.00	28.87	977.8	1079.7	1.55	274.6
14:00	0.007889	13.3	12.2	.00	28.87	977.6	1032.2	1.48	273.6
15:00	0.007624	12.9	11.8	.00	28.86	977.4	951.6	1.36	292.0
16:00	0.0073	12.5	11.3	.00	28.86	977.5	535.3	.77	290.2
17:00	0.006911	11.7	10.7	.00	28.87	977.8	337.9	.48	297.2
18:00	0.006817	11.3	10.6	.00	28.88	977.9	330.2	.47	294.8
19:00	0.006588	11.3	10.3	.00	28.89	978.4	201.9	.29	271.5
20:00	0.007133	14.0	11.1	.00	28.91	978.9	16.0	.02	261.8
21:00	0.007059	14.2	11.0	.00	28.93	979.6	-2.5	.00	279.3
22:00	0.007596	14.0	11.8	.00	28.95	980.4	-2.4	.00	318.8
23:00	0.008188	13.8	12.7	.00	28.97	981.1	-1.7	.00	346.5
Avg	0.009818	15.7	15.2	.00	28.89	978.3	339.3	.49	260.0
Max	0.013348	20.0	20.6	.00	28.97	981.1	1079.7	1.55	346.5
Hr. of Max	00	09	00	23	23	23	13	13	23
Min	0.006588	11.3	10.3	.00	28.86	977.4	-2.7	.00	211.9
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/7/2016

Interval: 001h

	41_WDir_035m	42_WDir_060m	46_SWDir_015m	50_Sigma_015m	51_Sigma_035m	52_Sigma_060m	55_RWSpd_015m	56_RWSpd_035m	57_RWSpd_060m
Hour	DEG	DEG	DEG	DEG	DEG	DEG	MPH	MPH	MPH
00:00	226.4	248.9	251.9	10.6	4.3	9.6	2.1	3.8	3.1
01:00	233.2	268.7	240.4	8.6	3.6	9.6	2.5	4.4	3.5
02:00	241.0	249.3	231.9	6.9	8.4	5.2	2.7	2.9	4.3
03:00	241.2	250.1	234.4	9.7	6.9	6.1	2.9	3.1	4.6
04:00	241.5	248.3	230.2	9.1	8.2	6.0	2.9	2.9	4.0
05:00	241.7	238.4	237.3	9.2	8.1	4.2	3.1	4.4	6.2
06:00	240.2	230.7	252.8	14.5	9.8	9.2	2.6	5.0	5.2
07:00	252.8	235.8	240.7	14.1	10.5	10.7	2.6	3.9	4.9
08:00	233.1	246.1	219.5	23.2	16.5	9.4	2.2	3.2	4.8
09:00	221.6	224.4	216.8	21.0	15.8	13.7	3.7	5.1	5.8
10:00	256.2	257.9	253.8	25.6	19.3	17.8	6.1	8.0	9.2
11:00	273.8	273.8	268.5	33.2	26.9	24.8	5.0	6.5	7.6
12:00	275.6	276.8	271.4	38.2	30.9	26.6	4.9	6.5	7.6
13:00	285.1	285.9	276.9	45.2	35.5	31.4	5.6	7.9	9.5
14:00	284.8	287.4	277.8	31.9	25.6	22.4	7.9	10.6	13.2
15:00	300.9	302.1	294.1	42.1	34.0	28.9	5.0	7.0	9.1
16:00	300.3	305.7	294.4	44.8	37.9	32.7	4.0	5.5	6.8
17:00	309.8	308.2	299.2	44.7	35.7	29.3	4.1	6.2	8.2
18:00	302.7	302.6	297.7	34.4	28.4	24.1	4.3	5.8	7.2
19:00	282.3	287.7	276.7	33.7	23.6	19.0	3.6	5.7	7.6
20:00	275.5	283.6	265.8	18.5	15.8	14.1	2.4	4.1	5.6
21:00	281.9	286.0	282.1	15.2	9.7	7.9	2.6	4.9	7.2
22:00	290.7	291.3	317.9	30.7	36.8	6.4	1.3	3.6	5.7
23:00	56.6	319.8	341.9	50.2	52.6	19.4	.5	.6	3.4
Avg	266.0	271.0	264.0	25.6	21.0	16.2	.0	.0	.0
Max	309.8	319.8	341.9	50.2	52.6	32.7	7.9	10.6	13.2
Hr. of Max	17	23	23	23	23	16	14	14	14
Min	56.6	224.4	216.8	6.9	3.6	4.2	.5	.6	3.1
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)

6/7/2016

Interval: 001h

	58_WSpd_015m	59_WSpd_035m	60_WSpd_060m	66_HSSpd_015m	67_HSSpd_060m	70_WElev_015m	71_WElev_060m	72_VSSpd_015m	73_VSSpd_060m
Hour	MPH	MPH	MPH	MPH	MPH	DEG	DEG	MPH	MPH
00:00	2.1	3.8	3.2	2.4	3.4	-.7	1.8	-.04	.11
01:00	2.6	4.5	3.6	3.0	3.7	.1	3.4	.00	.23
02:00	2.8	2.9	4.3	3.1	4.5	-.8	2.4	-.05	.18
03:00	2.9	3.2	4.6	3.2	4.8	.3	2.0	.00	.16
04:00	2.9	3.0	4.0	3.2	4.2	.4	-.1	.01	-.01
05:00	3.2	4.4	6.3	3.6	6.6	-1.9	.4	-.14	.04
06:00	2.8	5.2	5.4	3.1	5.7	-1.4	.2	-.11	.02
07:00	2.7	4.0	5.0	3.2	5.3	-2.1	-2.3	-.15	-.21
08:00	2.4	3.3	4.9	2.8	5.2	2.3	.5	.03	.03
09:00	4.0	5.2	5.9	4.6	6.4	-.4	-1.5	-.15	-.22
10:00	6.8	8.5	9.8	7.3	10.3	-2.2	-2.7	-.53	-.63
11:00	5.8	7.2	8.3	6.4	8.8	-1.8	-1.4	-.43	-.49
12:00	6.0	7.4	8.4	6.4	9.1	-4.0	-.4	-.73	-.51
13:00	6.7	8.8	10.3	7.5	11.0	-1.4	.8	-.51	-.57
14:00	8.8	11.5	14.1	9.5	14.7	-3.0	-2.4	-.95	-1.18
15:00	6.4	8.3	10.3	7.2	11.0	-1.8	-.2	-.52	-.53
16:00	5.2	6.6	7.9	5.8	8.4	-1.2	.7	-.44	-.44
17:00	5.3	7.4	9.2	6.0	9.8	-1.2	-.6	-.48	-.63
18:00	5.0	6.5	7.9	5.5	8.4	-5.4	-1.7	-.75	-.59
19:00	4.1	6.1	8.0	4.7	8.3	-1.6	-.8	-.38	-.37
20:00	2.5	4.3	5.7	2.9	5.8	-4.0	-1.2	-.23	-.19
21:00	2.8	5.0	7.3	2.9	7.3	-4.3	-.4	-.27	-.11
22:00	1.6	3.7	5.7	1.7	5.5	1.4	2.5	.00	.22
23:00	.8	.9	3.6	1.0	3.5	1.2	4.7	.01	.28
Avg	4.0	5.5	6.8	4.5	7.2	-1.4	.2	-.28	-.23
Max	8.8	11.5	14.1	9.5	14.7	2.3	4.7	.03	.28
Hr. of Max	14	14	14	14	14	08	23	08	23
Min	.8	.9	3.2	1.0	3.4	-5.4	-2.7	-.95	-1.18
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/7/2016

Interval: 001h

	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	82_SPkWsH_015m	83_SPkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	86_SonicTemp_015m	87_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	4.8	6.6	7.1	4.2	4.8	5.2	4.3	19.7	21.4
01:00	5.3	8.5	6.4	4.5	5.6	5.0	4.4	18.8	21.1
02:00	4.1	5.7	8.2	4.5	6.6	4.2	2.5	18.1	20.2
03:00	6.6	7.1	7.6	5.2	7.5	5.7	2.9	17.3	19.4
04:00	7.8	5.3	8.2	5.2	5.8	5.5	3.1	16.9	18.7
05:00	5.5	8.0	8.5	5.6	8.8	5.1	1.8	16.7	18.6
06:00	9.8	13.7	12.4	6.8	7.9	8.1	3.8	16.8	18.6
07:00	5.5	7.8	7.3	6.2	8.1	9.3	4.8	17.7	18.1
08:00	7.8	9.4	9.8	6.4	8.7	19.7	6.0	20.3	20.7
09:00	8.5	9.8	12.1	10.7	12.0	16.2	11.4	23.1	22.4
10:00	16.3	17.2	17.9	18.4	19.3	16.1	11.6	24.9	24.0
11:00	14.7	16.5	17.2	19.1	16.7	19.1	16.0	26.3	25.4
12:00	16.9	19.9	21.1	16.5	22.0	19.5	17.8	27.4	26.5
13:00	20.8	22.4	22.9	27.7	22.9	23.0	19.9	28.2	27.3
14:00	22.9	25.6	27.7	25.9	30.2	20.6	15.8	28.2	27.3
15:00	19.0	25.4	29.1	21.2	27.9	22.8	18.8	28.3	27.4
16:00	16.9	22.4	19.5	15.2	20.6	23.1	20.4	28.2	27.3
17:00	18.5	24.0	31.4	20.5	25.7	23.2	19.4	27.6	26.8
18:00	21.1	26.6	33.2	20.4	22.3	19.6	17.0	27.0	26.3
19:00	12.1	15.3	19.7	14.7	21.3	19.9	13.2	25.9	25.5
20:00	6.4	9.8	10.8	8.2	12.9	11.3	8.7	24.5	24.5
21:00	8.0	11.7	14.0	8.1	14.4	9.0	6.3	23.1	23.4
22:00	3.9	5.7	11.7	4.3	9.3	8.7	4.8	20.5	22.9
23:00	3.2	3.9	8.2	3.1	7.5	11.1	8.3	18.7	21.5
Avg	11.1	13.7	15.5	11.8	14.5	13.8	10.1	22.7	23.1
Max	22.9	26.6	33.2	27.7	30.2	23.2	20.4	28.3	27.4
Hr. of Max	14	18	18	13	14	17	16	15	15
Min	3.2	3.9	6.4	3.1	4.8	4.2	1.8	16.7	18.1
Count	24	24	24	24	24	24	24	24	24
Total									