Date Printed: 07/19/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/18/2016

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	22.3	23.8	24.4	25.0	1.52	2.05	2.71	.54	1.19
01:00	21.8	23.1	23.9	24.3	1.31	2.06	2.49	.75	1.17
02:00	21.4	22.3	23.2	23.7	.92	1.84	2.36	.93	1.44
03:00	21.1	22.1	22.7	23.4	1.00	1.56	2.27	.56	1.27
04:00	20.7	21.7	22.3	22.9	1.03	1.54	2.18	.51	1.15
05:00	20.5	21.4	21.8	22.6	.96	1.34	2.16	.38	1.20
06:00	20.3	21.2	21.6	22.1	.86	1.28	1.76	.43	.90
07:00	21.3	21.4	21.9	22.2	.11	.56	.88	.45	.77
08:00	24.3	23.9	23.7	23.6	-.38	-.60	-.66	-.22	-.28
09:00	26.7	26.0	25.7	25.6	-.73	-1.06	-1.17	-.33	-.44
10:00	28.1	27.2	26.9	26.8	-.90	-1.25	-1.35	-.35	-.46
11:00	29.4	28.3	28.0	27.9	-1.04	-1.39	-1.47	-.35	-.43
12:00	30.8	29.6	29.2	29.1	-1.22	-1.62	-1.72	-.39	-.50
13:00	32.0	30.7	30.4	30.2	-1.30	-1.65	-1.77	-.35	-.47
14:00	28.4	27.8	27.7	27.7	-.62	-.73	-.67	-.11	-.06
15:00	29.7	28.5	28.2	28.1	-1.19	-1.49	-1.57	-.29	-.37
16:00	30.1	29.1	28.7	28.7	-1.04	-1.38	-1.44	-.34	-.39
17:00	31.1	30.0	29.6	29.5	-1.09	-1.45	-1.56	-.36	-.48
18:00	31.7	31.0	30.6	30.6	-.73	-1.06	-1.13	-.33	-.41
19:00	30.0	30.0	30.0	30.0	-.01	-.08	-.03	-.07	-.02
20:00	27.3	28.4	28.6	28.8	1.07	1.27	1.44	.20	.36
21:00	25.8	26.9	27.2	27.5	1.08	1.46	1.73	.38	.66
22:00	24.8	25.8	26.5	26.9	.95	1.67	2.05	.71	1.10
23:00	24.1	25.0	25.4	25.8	.86	1.30	1.70	.44	.84
Avg	26.0	26.1	26.2	26.4	.06	.17	.38	.12	.32
Max	32.0	31.0	30.6	30.6	1.52	2.06	2.71	.93	1.44
Hr. of Max	13	18	18	18	00	01	00	02	02
Min	20.3	21.2	21.6	22.1	-1.30	-1.65	-1.77	-.39	-.50
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/18/2016

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	20.4	21.0	21.0	28.1	91.1	86.6	17.6	18.2	0.015442
01:00	20.1	21.1	20.7	27.8	92.4	90.5	17.4	18.3	0.015197
02:00	19.8	20.9	20.4	27.5	93.1	94.0	17.1	18.1	0.01491
03:00	19.7	20.9	20.2	27.3	93.9	95.5	16.9	18.2	0.014774
04:00	19.3	20.8	19.8	27.0	93.9	96.6	16.6	18.1	0.014433
05:00	19.1	20.8	19.6	26.8	94.1	98.5	16.4	18.1	0.014256
06:00	19.0	20.6	19.4	26.6	94.2	98.7	16.2	17.9	0.014107
07:00	19.8	20.2	20.3	26.4	93.3	95.2	17.1	17.5	0.014884
08:00	20.8	20.4	22.0	26.2	83.3	83.1	18.0	17.6	0.01587
09:00	21.0	20.5	22.9	26.0	73.1	73.7	18.1	17.5	0.016095
10:00	21.1	20.5		26.0	67.5	68.8	18.1	17.5	0.016124
11:00	21.4	20.8	24.1	26.3	64.3	65.7	18.4	17.8	0.016524
12:00	21.3	20.9	24.5	26.7	58.9	61.4	18.2	17.8	0.016441
13:00	20.8	20.4	24.5	27.2	53.2	56.1	17.6	17.3	0.015906
14:00	21.2	20.6	23.6	27.8	67.4	67.2	18.3	17.7	0.016379
15:00	20.5	20.2	23.6	28.2	59.6	62.4	17.4	17.1	0.015633
16:00	21.3	20.8	24.2	28.4	61.1	63.0	18.2	17.8	0.016426
17:00	21.2	20.8	24.5	28.6	57.6	59.7	18.1	17.7	0.016385
18:00	20.5	20.1	24.2	28.8	53.2	53.9	17.3	16.9	0.015669
19:00	21.7	21.1	24.5	29.0	63.3	60.8	18.7	18.0	0.016885
20:00	22.6	22.8	24.2	29.1	78.0	74.2	19.9	20.1	0.017836
21:00	22.9	23.2	23.8	29.0	86.6	82.9	20.3	20.6	0.018083
22:00	22.6	23.4	23.3	28.8	90.0	89.4	20.0	20.9	0.017724
23:00	22.3	23.2	22.9	28.5	92.0	92.8	19.7	20.8	0.017388
Avg	20.9	21.1	22.5	27.6	77.3	77.9	18.0	18.2	0.015974
Max	22.9	23.4	24.5	29.1	94.2	98.7	20.3	20.9	0.018083
Hr. of Max	21	22	19	20	06	06	21	22	21
Min	19.0	20.1	19.4	26.0	53.2	53.9	16.2	16.9	0.014107
Count	24	24	23	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)

7/18/2016

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	0.016086	24.0	25.0	.00	29.30	992.1	-2.5	.00	300.1
01:00	0.01612	23.7	25.1	.00	29.29	991.9	-2.4	.00	293.3
02:00	0.015917	23.2	24.7	.00	29.28	991.7	-2.4	.00	263.8
03:00	0.015981	23.0	24.8	.00	29.28	991.7	-2.2	.00	325.5
04:00	0.015809	22.5	24.6	.00	29.28	991.7	-2.1	.00	262.1
05:00	0.015822	22.2	24.6	.00	29.29	991.8	-2.0	.00	277.5
06:00	0.015592	22.0	24.3	.00	29.30	992.4	3.0	.00	234.1
07:00	0.015259	23.2	23.8	.00	29.32	992.9	77.4	.11	233.7
08:00	0.015473	24.7	24.1	.00	29.34	993.6	308.2	.44	228.4
09:00	0.015528	25.1	24.2	.00	29.35	994.1	512.2	.73	214.1
10:00	0.015595	25.1	24.3	.00	29.36	994.2	615.2	.88	207.2
11:00	0.01587	25.7	24.7	.00	29.36	994.1	737.5	1.06	192.8
12:00	0.015967	25.6	24.9	.00	29.34	993.7	776.2	1.11	222.6
13:00	0.015563	24.8	24.2	.00	29.33	993.2	848.8	1.22	264.8
14:00	0.015758	25.5	24.5	.00	29.32	992.8	317.3	.45	256.6
15:00	0.015277	24.3	23.8	.00	29.30	992.3	659.7	.95	258.2
16:00	0.015958	25.5	24.8	.00	29.28	991.7	481.8	.69	230.7
17:00	0.015954	25.4	24.8	.00	29.27	991.2	518.2	.74	248.2
18:00	0.015238	24.3	23.7	.00	29.26	990.9	373.9	.54	242.0
19:00	0.016252	26.2	25.2	.00	29.26	990.8	181.3	.26	256.7
20:00	0.018057	27.6	27.9	.00	29.24	990.4	18.5	.03	243.1
21:00	0.018438	28.0	28.5	.00	29.26	990.9	-1.5	.00	263.9
22:00	0.018648	27.5	28.9	.00	29.28	991.7	-1.9	.00	246.2
23:00	0.018458	27.0	28.6	.00	29.29	992.1	-2.0	.00	262.2
Avg	0.016192	24.8	25.2	.00	29.30	992.2	267.1	.38	250.0
Max	0.018648	28.0	28.9	.00	29.36	994.2	848.8	1.22	325.5
Hr. of Max	22	21	22	23	11	10	13	13	03
Min	0.015238	22.0	23.7	.00	29.24	990.4	-2.5	.00	192.8
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/18/2016

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	219.4	203.2	291.7	203.4	54.5	23.5	17.7	.8	1.1
01:00	240.1	190.2	283.3	192.8	49.9	37.0	12.1	.9	1.6
02:00	254.1	221.3	262.6	218.7	29.5	17.0	9.7	1.1	1.8
03:00	55.8	95.3	313.0	14.7	47.2	60.6	34.0	.3	.6
04:00	239.9	210.7	263.2	216.0	12.6	36.7	15.5	1.2	1.1
05:00	242.4	175.7	272.2	217.3	24.7	17.3	30.9	.4	.7
06:00	227.3	204.1	240.8	208.8	34.0	39.8	16.5	1.6	1.9
07:00	252.6	173.2	241.2	234.0	29.2	18.6	23.6	.7	.6
08:00	238.0	214.4	231.8	215.9	26.1	26.0	20.0	1.5	1.8
09:00	225.5	224.1	220.7	219.2	24.8	22.2	16.9	3.2	4.0
10:00	216.2	214.4	212.9	209.2	25.2	21.3	16.5	4.1	5.3
11:00	207.4	209.3	202.3	207.8	46.0	42.3	37.6	2.0	2.3
12:00	255.0	260.2	232.3	258.1	58.9	49.5	42.2	1.6	1.9
13:00	283.4	281.5	264.3	274.6	56.4	44.6	42.7	1.0	2.0
14:00	258.6	254.1	261.7	247.4	23.3	20.0	16.7	4.1	6.1
15:00	270.8	271.6	262.0	264.9	39.2	38.6	36.7	2.6	2.9
16:00	247.5	254.8	235.8	249.2	28.4	27.2	24.2	2.8	3.3
17:00	261.1	261.6	251.4	255.0	36.2	26.7	23.6	2.4	3.0
18:00	259.7	254.2	245.7	249.4	28.2	23.1	22.8	2.3	2.8
19:00	247.0	243.2	257.2	238.8	27.0	18.0	15.7	1.2	2.5
20:00	222.0	206.3	247.1	201.4	16.4	11.9	8.3	2.1	3.5
21:00	247.4	223.0	263.9	218.7	29.3	16.1	10.7	1.0	2.2
22:00	245.4	250.6	248.7	246.4	23.1	20.1	12.3	1.6	2.8
23:00	246.6	221.6	260.9	218.7	28.3	12.9	7.5	1.1	2.2
Avg	244.0	225.0	252.0	230.0	33.3	28.0	21.4	.0	.0
Max	283.4	281.5	313.0	274.6	58.9	60.6	42.7	4.1	6.1
Hr. of Max	13	13	03	13	12	03	13	14	14
Min	55.8	95.3	202.3	14.7	12.6	11.9	7.5	.3	.6
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)

7/18/2016

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	2.0	1.0	1.1	2.3	1.2	2.5	1.8	.1	.02
01:00	2.7	1.2	1.9	2.8	1.4	3.0	1.5	-1.3	.03
02:00	2.7	1.2	1.8	2.9	1.6	3.1	1.6	.0	.03
03:00	.3	.8	.8	.6	1.1	1.1	2.8	.5	.05
04:00	1.3	1.2	1.1	1.5	1.5	1.8	.7	-.8	.01
05:00	.4	.5	.8	.6	.9	1.1	.4	-.2	.01
06:00	1.7	1.7	2.0	1.7	2.0	2.0	.1	.4	-.02
07:00	.2	.7	.7	.3	1.2	.9	1.4	-.7	.02
08:00	2.0	1.6	2.0	2.1	2.1	2.4	-1.0	-3.7	-.12
09:00	4.7	3.5	4.3	4.9	4.1	5.4	1.2	-2.5	-.07
10:00	6.0	4.6	5.7	6.2	5.2	6.7	-1.1	-1.6	-.23
11:00	2.8	2.8	3.0	3.3	3.4	4.0	-2.9	-6.9	-.12
12:00	2.2	2.9	3.3	3.4	3.4	4.0	-2.6	-6.3	-.16
13:00	2.4	2.4	3.2	3.5	3.1	4.3	-1.1	-5.5	-.13
14:00	7.5	4.9	7.1	8.5	5.3	8.9	-.7	-2.2	-.21
15:00	3.0	3.6	4.2	4.4	4.0	4.9	-4.6	-6.4	-.44
16:00	3.6	3.3	3.9	4.2	3.9	4.6	-.2	-1.9	-.08
17:00	3.4	3.1	3.8	4.2	3.5	4.6	1.7	-3.3	.02
18:00	3.0	2.6	3.1	3.2	3.2	3.6	-2.5	2.1	-.24
19:00	3.3	1.5	2.9	3.6	2.0	3.8	.5	-.6	-.07
20:00	4.8	2.2	3.6	4.9	2.6	5.2	-1.9	-.7	-.10
21:00	3.9	1.5	2.8	4.6	1.8	4.8	.8	.0	.01
22:00	4.2	1.9	3.4	4.6	2.2	4.7	-.8	1.9	-.05
23:00	3.5	1.2	2.3	3.6	1.6	3.9	.6	.1	-.02
Avg	.0	2.2	2.9	3.4	2.6	3.8	-.2	-1.6	-.08
Max	7.5	4.9	7.1	8.5	5.3	8.9	2.8	2.1	.05
Hr. of Max	14	14	14	14	14	14	03	18	03
Min	.2	.5	.7	.3	.9	.9	-4.6	-6.9	-.44
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/18/2016

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	.00	2.7	2.5	3.7	8.0	3.7	25.4	26.4
01:00	-.08	3.2	5.3	7.1	9.2	8.1	24.7	25.7
02:00	.01	3.0	3.7	4.6	7.5	2.8	23.9	25.2
03:00	.03	2.3	3.7	4.8	8.3	9.4	23.7	24.8
04:00	-.01	2.5	2.7	3.0	4.8	4.1	23.3	24.4
05:00	.00	2.1	2.7	3.7	6.4	8.2	23.0	24.1
06:00	.02	3.4	4.8	3.7	5.8	6.4	22.7	23.5
07:00	-.02	2.5	4.8	2.3	11.9	10.2	23.0	23.5
08:00	-.23	4.4	4.4	5.3	22.9	16.6	25.5	24.8
09:00	-.37	8.9	9.2	9.6	20.5	17.7	27.4	26.6
10:00	-.35	9.8	11.4	11.2	16.4	14.9	28.6	27.7
11:00	-.44	8.7	9.6	8.7	25.1	30.2	29.7	29.0
12:00	-.53	9.8	10.5	10.5	26.2	25.9	31.0	30.1
13:00	-.55	8.0	11.7	14.7	31.5	30.3	32.1	31.2
14:00	-.37	13.1	18.1	18.5	14.6	7.7	29.2	28.7
15:00	-.60	10.3	13.3	15.6	20.4	16.8	29.9	29.1
16:00	-.21	8.7	9.8	9.8	18.8	16.2	30.5	29.7
17:00	-.29	8.5	8.7	8.9	23.1	17.5	31.5	30.6
18:00	.02	8.5	10.3	11.2	20.1	22.1	32.2	31.4
19:00	-.06	10.8	10.5	9.8	16.3	6.6	31.6	31.1
20:00	-.06	4.4	8.5	10.1	7.2	4.2	30.2	30.2
21:00	.04	5.7	8.2	11.0	11.7	5.5	28.7	29.2
22:00	.16	4.4	8.2	12.8	9.9	5.6	27.7	28.5
23:00	.02	3.7	6.9	10.8	10.9	2.5	26.9	27.5
Avg	-.16	6.2	7.9	8.8	14.9	12.2	27.6	27.6
Max	.16	13.1	18.1	18.5	31.5	30.3	32.2	31.4
Hr. of Max	22	14	14	14	13	13	18	18
Min	-.60	2.1	2.5	2.3	4.8	2.5	22.7	23.5
Count	24	24	24	24	24	24	24	24
Total								