Date Printed: 07/18/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/17/2016

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	20.6	21.9	22.1	22.7	1.29	1.55	2.08	.26	.79
01:00	20.2	21.5	21.7	22.1	1.24	1.50	1.88	.26	.64
02:00	19.7	20.9	21.2	21.4	1.17	1.45	1.68	.27	.51
03:00	19.9	20.7	20.7	21.1	.80	.89	1.25	.09	.45
04:00	19.7	20.4	20.5	20.6	.70	.76	.94	.06	.23
05:00	19.9	20.4	20.4	20.6	.49	.50	.64	.01	.14
06:00	19.8	20.4	20.4	20.5	.52	.57	.68	.05	.16
07:00	20.4	20.6	20.5	20.5	.16	.13	.11	-.02	-.05
08:00	22.3	21.9	21.7	21.5	-.36	-.60	-.75	-.24	-.39
09:00	24.3	23.7	23.4	23.2	-.65	-.95	-1.06	-.30	-.41
10:00	26.7	25.7	25.4	25.3	-.94	-1.26	-1.39	-.33	-.46
11:00	28.2	27.1	26.8	26.7	-1.14	-1.46	-1.57	-.32	-.43
12:00	29.6	28.3	28.0	27.9	-1.25	-1.61	-1.74	-.36	-.49
13:00	30.7	29.0	28.7	28.7	-1.64	-1.97	-2.01	-.33	-.37
14:00	31.3	30.0	29.7	29.6	-1.24	-1.56	-1.69	-.32	-.45
15:00	32.0	30.8	30.5	30.3	-1.16	-1.52	-1.68	-.36	-.52
16:00	32.6	31.5	31.1	31.0	-1.16	-1.52	-1.58	-.36	-.43
17:00	31.7	31.0	30.9	31.0	-.73	-.78	-.77	-.05	-.03
18:00	32.2	31.4	31.1	31.0	-.86	-1.15	-1.24	-.29	-.38
19:00	30.2	30.2	30.2	30.2	-.01	-.03	.02	-.02	.03
20:00	27.1	28.1	28.7	29.1	1.04	1.56	1.97	.52	.94
21:00	24.9	26.4	27.3	28.0	1.47	2.34	3.10	.87	1.63
22:00	23.7	25.3	26.0	26.5	1.59	2.29	2.81	.70	1.22
23:00	22.8	24.5	25.2	25.8	1.63	2.39	2.96	.76	1.33
Avg	25.4	25.5	25.5	25.6	.04	.06	.19	.02	.15
Max	32.6	31.5	31.1	31.0	1.63	2.39	3.10	.87	1.63
Hr. of Max	16	16	18	18	23	23	21	21	21
Min	19.7	20.4	20.4	20.5	-1.64	-1.97	-2.01	-.36	-.52
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/17/2016

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	19.0	19.5	19.5	26.9	92.6	88.2	16.2	16.7	0.014134
01:00	18.8	19.3	19.3	26.6	93.5	89.8	16.1	16.6	0.013973
02:00	18.4	19.2	18.9	26.4	94.3	91.9	15.7	16.4	0.013649
03:00	18.7	19.1	19.1	26.2	95.3	92.9	16.0	16.3	0.01391
04:00	18.5	19.0	18.9	25.9	94.9	93.8	15.8	16.3	0.013731
05:00	18.7	19.1	19.1	25.7	95.0	94.1	16.0	16.3	0.013925
06:00	18.7	19.2	19.1	25.5	95.6	95.2	16.0	16.5	0.013921
07:00	19.2	19.2	19.6	25.3	94.8	93.8	16.4	16.4	0.014297
08:00	19.3	18.8	20.3	25.2	85.2	84.6	16.4	16.0	0.01439
09:00	19.4	18.9	21.0	25.1	75.9	76.4	16.5	16.0	0.014509
10:00	19.8	19.0	22.1	25.1	68.0	68.1	16.8	16.0	0.014944
11:00	19.7	19.1	22.6	25.3	61.7	63.1	16.7	16.0	0.014865
12:00	20.3	19.8	23.4	25.8	59.1	61.5	17.2	16.7	0.015411
13:00	20.2	19.7	23.7	26.5	55.2	58.8	17.0	16.6	0.015319
14:00	19.9	19.7	23.7	27.2	52.5	55.5	16.7	16.5	0.015065
15:00	19.5	19.1	23.7	27.7	49.2	51.2	16.3	15.9	0.014737
16:00	19.0	18.5	23.6	28.1	46.1	47.5	15.8	15.3	0.014321
17:00	19.9	19.2	23.8	28.5	51.4	51.0	16.7	16.0	0.015111
18:00	20.3	19.8	24.3	28.7	51.0	52.0	17.1	16.7	0.015515
19:00	21.3	20.5	24.3	28.9	60.9	58.0	18.2	17.4	0.016452
20:00	21.5	21.0	23.4	28.9	73.8	67.3	18.7	18.0	0.016666
21:00	21.0	21.0	22.3	28.8	80.9	74.2	18.1	18.1	0.016043
22:00	20.9	21.1	21.8	28.6	86.5	80.0	18.1	18.3	0.015942
23:00	20.6	21.1	21.4	28.3	89.8	83.8	17.9	18.3	0.015702
Avg	19.7	19.6	21.6	26.9	75.1	73.9	16.8	16.6	0.014856
Max	21.5	21.1	24.3	28.9	95.6	95.2	18.7	18.3	0.016666
Hr. of Max	20	23	19	20	06	06	20	23	20
Min	18.4	18.5	18.9	25.1	46.1	47.5	15.7	15.3	0.013649
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)

7/17/2016

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	0.01458	22.0	22.7	.00	29.23	990.0	-2.4	.00	47.6
01:00	0.014479	21.7	22.5	.00	29.23	989.9	-2.0	.00	61.1
02:00	0.014313	21.3	22.3	.00	29.22	989.7	-1.6	.00	39.1
03:00	0.014243	21.6	22.2	.00	29.22	989.6	-2.0	.00	47.1
04:00	0.014164	21.4	22.0	.00	29.23	989.9	-3.0	.00	47.6
05:00	0.014214	21.7	22.1	.00	29.24	990.4	-2.8	.00	52.2
06:00	0.014333	21.7	22.3	.00	29.26	990.7	4.2	.01	43.7
07:00	0.014288	22.3	22.3	.00	29.27	991.1	75.2	.11	46.4
08:00	0.013992	22.4	21.8	.00	29.27	991.4	320.8	.46	54.5
09:00	0.014033	22.6	21.9	.00	29.28	991.7	521.0	.75	69.6
10:00	0.014175	23.3	22.1	.00	29.30	992.3	716.0	1.03	204.3
11:00	0.014235	23.2	22.2	.00	29.31	992.6	804.0	1.15	218.3
12:00	0.014929	24.0	23.3	.00	29.31	992.4	914.8	1.31	211.1
13:00	0.014829	23.8	23.1	.00	29.29	992.0	960.3	1.38	214.7
14:00	0.014848	23.4	23.1	.00	29.28	991.6	778.7	1.12	209.9
15:00	0.014357	22.9	22.4	.00	29.26	991.0	862.9	1.24	153.0
16:00	0.013795	22.3	21.5	.00	29.25	990.5	627.4	.90	221.0
17:00	0.014423	23.5	22.4	.00	29.24	990.3	365.4	.52	251.3
18:00	0.015062	24.1	23.4	.00	29.24	990.1	347.9	.50	260.1
19:00	0.015672	25.5	24.3	.00	29.25	990.5	159.1	.23	261.4
20:00	0.016137	25.9	25.1	.00	29.25	990.7	19.4	.03	266.3
21:00	0.016073	24.9	25.0	.00	29.26	990.9	-1.9	.00	278.8
22:00	0.016214	24.8	25.2	.00	29.28	991.4	-2.4	.00	269.5
23:00	0.016155	24.4	25.1	.00	29.28	991.7	-2.3	.00	250.0
Avg	0.014731	23.1	22.9	.00	29.26	990.9	310.7	.45	254.0
Max	0.016214	25.9	25.2	.00	29.31	992.6	960.3	1.38	278.8
Hr. of Max	22	20	22	23	12	11	13	13	21
Min	0.013795	21.3	21.5	.00	29.22	989.6	-3.0	.00	39.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/17/2016

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	61.3	69.0	47.5	55.6	16.4	18.2	9.1	1.4	2.4
01:00	61.8	61.2	66.3	47.6	28.7	11.7	7.5	1.0	2.3
02:00	55.0	62.5	39.6	48.7	29.0	8.8	6.5	1.3	2.8
03:00	62.4	68.3	48.8	55.7	13.2	8.1	5.0	2.0	3.4
04:00	56.6	68.8	49.4	55.1	19.4	12.1	9.9	1.6	2.9
05:00	62.3	69.3	53.6	56.1	14.7	10.4	7.1	2.0	3.4
06:00	61.2	74.1	45.5	61.0	17.2	12.3	8.0	2.2	3.4
07:00	52.1	63.3	47.3	50.0	20.0	9.8	7.2	2.3	4.0
08:00	51.8	55.3	60.4	39.5	47.9	32.2	24.0	1.6	2.9
09:00	75.5	85.6	68.5	64.2	40.4	35.4	33.1	1.1	1.2
10:00	224.1	210.7	212.4	214.4	54.5	50.0	47.6	1.7	1.9
11:00	229.6	216.0	227.0	213.8	59.9	40.3	29.9	1.6	2.1
12:00	223.0	216.7	218.6	211.6	48.5	39.5	33.1	2.5	3.1
13:00	224.7	226.4	220.1	220.1	50.5	47.1	37.7	2.6	3.2
14:00	216.3	210.1	216.1	207.6	53.8	53.6	51.7	1.8	2.1
15:00	165.0	163.2	161.8	162.9	47.1	51.8	49.3	1.7	1.7
16:00	234.1	231.2	225.4	234.4	48.7	48.9	44.4	1.8	2.0
17:00	247.2	236.4	255.8	233.2	33.2	28.3	28.4	1.9	3.1
18:00	260.7	252.9	262.8	249.4	28.9	23.8	19.7	2.1	2.8
19:00	253.1	244.0	263.5	238.2	19.8	12.3	9.9	2.4	4.3
20:00	237.4	230.0	266.9	224.7	16.5	7.8	5.3	1.6	3.5
21:00	232.3	205.6	277.8	200.8	22.3	6.9	5.1	1.2	3.0
22:00	240.3	210.9	270.7	207.4	21.8	7.9	7.6	1.4	3.2
23:00	236.6	242.1	252.9	237.7	24.2	20.7	7.6	1.2	2.1
Avg	206.0	175.0	264.0	183.0	32.4	24.9	20.6	.0	.0
Max	260.7	252.9	277.8	249.4	59.9	53.6	51.7	2.6	4.3
Hr. of Max	18	18	21	18	11	14	14	13	19
Min	51.8	55.3	39.6	39.5	13.2	6.9	5.0	1.0	1.2
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)

7/17/2016

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	1.6	2.6	4.2	1.7	4.4	1.0	.8	.00
01:00	4.2	1.1	2.4	4.3	1.3	4.5	1.9	.1	.00
02:00	3.9	1.4	2.9	3.9	1.5	4.1	.8	-.3	-.01
03:00	4.9	2.1	3.5	4.9	2.2	5.1	-3.9	-1.9	-.19
04:00	3.8	1.7	3.1	3.9	1.8	4.1	-2.3	-.8	-.12
05:00	4.3	2.0	3.4	4.4	2.2	4.6	-4.5	-1.5	-.21
06:00	4.3	2.3	3.6	4.4	2.5	4.6	-5.8	-1.5	-.30
07:00	4.2	2.4	4.0	4.2	2.6	4.4	-4.7	-3.3	-.31
08:00	3.3	2.0	3.1	3.5	2.4	3.9	-1.5	4.9	-.11
09:00	1.2	1.8	1.8	1.8	2.3	2.4	-8.0	-13.7	-.36
10:00	1.7	2.3	2.4	2.3	2.9	3.0	-1.1	-5.5	-.06
11:00	2.7	2.4	2.7	3.2	3.0	3.8	-2.8	-12.7	-.16
12:00	3.5	3.7	4.0	4.4	4.2	5.0	-.9	-1.4	-.18
13:00	3.8	4.3	5.0	5.2	4.7	5.8	1.1	2.6	-.01
14:00	2.4	2.7	2.9	3.2	3.3	3.9	6.5	7.2	.22
15:00	1.9	2.4	2.4	2.4	3.0	3.2	-1.3	-2.4	.01
16:00	2.1	2.7	3.1	3.2	3.4	4.0	-2.3	-12.9	-.27
17:00	3.7	2.5	3.4	4.0	2.8	4.4	-3.4	-2.6	-.23
18:00	3.3	2.4	3.0	3.5	2.7	3.9	3.5	-1.8	.01
19:00	5.4	2.6	4.4	5.5	3.1	5.8	-1.3	-1.0	-.17
20:00	5.2	1.7	3.5	5.3	1.9	5.6	-2.4	-.1	-.09
21:00	4.6	1.3	3.0	4.7	1.5	4.9	.5	.5	.00
22:00	3.9	1.6	3.3	4.0	1.9	4.3	.8	-.8	.01
23:00	4.1	1.4	2.2	4.1	1.8	4.4	.2	.7	.01
Avg	.0	2.2	3.2	3.9	2.5	4.3	-1.2	-2.0	-.11
Max	5.4	4.3	5.0	5.5	4.7	5.8	6.5	7.2	.22
Hr. of Max	19	13	13	19	13	19	14	14	14
Min	1.2	1.1	1.8	1.8	1.3	2.4	-8.0	-13.7	-.36
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/17/2016

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	.06	3.0	6.6	13.1	8.3	3.5	23.3	23.8
01:00	.00	3.7	5.5	10.8	12.2	3.2	22.9	23.3
02:00	-.03	2.7	4.1	8.9	9.5	2.9	22.3	22.6
03:00	-.16	4.1	5.7	9.6	8.6	2.8	22.1	22.3
04:00	-.06	5.0	9.4	11.7	10.9	4.2	21.8	21.8
05:00	-.12	4.6	5.5	7.1	10.1	4.3	21.9	21.7
06:00	-.12	4.1	7.6	8.0	9.0	4.1	21.8	21.7
07:00	-.25	5.5	8.7	7.6	16.0	4.6	22.0	21.6
08:00	.25	5.5	9.4	7.6	25.5	20.1	23.5	22.7
09:00	-.72	6.0	7.1	4.8	28.1	29.7	25.2	24.5
10:00	-.36	7.8	7.6	7.3	29.1	35.0	27.0	26.3
11:00	-.95	7.6	8.5	9.2	27.6	28.3	28.4	27.5
12:00	-.25	8.7	9.6	9.6	22.0	23.4	29.6	28.7
13:00	.11	11.4	10.8	11.9	20.4	23.6	30.3	29.5
14:00	.41	7.8	8.7	14.0	27.7	30.7	31.3	30.5
15:00	-.06	6.6	7.8	8.5	29.7	38.8	32.0	31.2
16:00	-1.08	7.8	8.2	7.8	25.0	29.2	32.5	31.7
17:00	-.35	11.4	10.1	9.6	16.9	18.9	32.2	31.7
18:00	-.10	7.6	9.4	9.4	23.8	17.3	32.7	31.8
19:00	-.12	6.4	8.2	10.5	14.2	5.9	31.6	31.2
20:00	-.01	4.1	6.2	8.7	6.6	1.9	29.7	30.2
21:00	.04	3.0	6.0	10.5	7.8	2.5	27.9	29.2
22:00	-.04	3.9	5.0	7.3	6.0	2.3	26.8	27.8
23:00	.05	4.1	9.2	11.4	6.6	3.1	26.0	27.1
Avg	-.16	5.9	7.7	9.4	16.7	14.2	26.9	26.7
Max	.41	11.4	10.8	14.0	29.7	38.8	32.7	31.8
Hr. of Max	14	17	13	14	15	15	18	18
Min	-1.08	2.7	4.1	4.8	6.0	1.9	21.8	21.6
Count	24	24	24	24	24	24	24	24
Total								