Date Printed: 05/29/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/28/2016

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	19.4	20.3	20.3	20.7	.88	.93	1.29	.04	.40
01:00	18.9	20.1	20.1	20.4	1.18	1.21	1.47	.03	.29
02:00	18.8	19.7	19.7	20.0	.90	.96	1.27	.06	.37
03:00	18.8	19.1	19.1	19.3	.34	.31	.53	-.03	.19
04:00	18.6	18.7	18.7	19.0	.14	.13	.37	-.01	.23
05:00	18.4	18.5	18.5	18.7	.08	.09	.32	.02	.24
06:00	18.7	18.9	18.9	19.1	.18	.19	.31	.01	.13
07:00	19.3	19.1	19.0	19.0	-.13	-.26	-.24	-.13	-.11
08:00	19.4	19.2	19.0	19.0	-.20	-.43	-.39	-.23	-.19
09:00	20.4	20.1	19.6	20.0	-.33	-.75	-.42	-.42	-.08
10:00	22.9	21.4	20.8	21.5	-1.50	-2.15	-1.41	-.65	.09
11:00	24.4	23.6	23.2	22.7	-.74	-1.15	-1.61	-.41	-.87
12:00	25.8	25.0	24.7	24.6	-.79	-1.09	-1.19	-.30	-.41
13:00	27.1	26.1	25.8	25.7	-.99	-1.31	-1.41	-.31	-.41
14:00	27.8	26.9	26.6	26.5	-.94	-1.23	-1.30	-.29	-.36
15:00	28.3	27.4	27.1	26.9	-.91	-1.21	-1.33	-.30	-.42
16:00	28.1	27.6	27.2	27.1	-.57	-.90	-1.04	-.33	-.47
17:00	28.3	27.9	27.6	27.5	-.38	-.68	-.82	-.30	-.44
18:00	26.7	27.2	27.3	27.3	.43	.59	.61	.16	.19
19:00	24.2	25.6	26.1	26.3	1.41	1.89	2.13	.47	.72
20:00	22.8	24.4	25.3	25.3	1.51	2.43	2.49	.91	.98
21:00	21.0	23.2	23.8	24.3	2.12	2.75	3.30	.63	1.18
22:00	20.0	21.9	22.5	23.2	1.85	2.46	3.21	.60	1.36
23:00	19.2	20.9	21.3	22.0	1.74	2.14	2.80	.40	1.06
Avg	22.4	22.6	22.6	22.8	.22	.21	.37	-.02	.15
Max	28.3	27.9	27.6	27.5	2.12	2.75	3.30	.91	1.36
Hr. of Max	17	17	17	17	21	21	21	20	22
Min	18.4	18.5	18.5	18.7	-1.50	-2.15	-1.61	-.65	-.87
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/28/2016

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	18.7	19.8	18.9	22.4	97.8	99.2	16.0	17.1	0.013896
01:00	18.2	19.6	18.4	22.2	97.7	99.3	15.5	16.9	0.013457
02:00	18.1	19.2	18.3	22.0	97.7	99.4	15.4	16.5	0.01336
03:00	18.0	18.6	18.3	21.9	97.7	99.5	15.4	16.0	0.013344
04:00	17.9	18.3	18.1	21.7	97.7	99.5	15.3	15.7	0.013217
05:00	17.7	18.1	18.0	21.6	97.7	99.6	15.1	15.5	0.013065
06:00	18.0	18.5	18.3	21.4	97.7	99.7	15.4	15.9	0.013327
07:00	18.6	18.7	18.8	21.3	97.8	99.7	15.9	16.1	0.013771
08:00	18.7	18.8	18.9	21.2	97.8	99.6	16.0	16.1	0.013867
09:00	18.2	18.4	18.9	21.2	89.2	92.3	15.5	15.7	0.013447
10:00	17.8	16.2	19.5	21.2	74.9	73.8	15.0	13.6	0.013172
11:00	17.8	16.8	20.0	21.4	68.5	67.1	14.9	14.0	0.013137
12:00	17.0	16.0	20.0	21.6	60.0	58.6	14.2	13.3	0.012545
13:00	16.4	15.2	20.0	22.0	53.4	52.5	13.6	12.7	0.012079
14:00	16.4	15.3	20.2	22.5	51.1	50.3	13.5	12.7	0.012064
15:00	15.8	14.7	20.0	22.9	48.1	47.0	13.1	12.2	0.011651
16:00	16.4	15.4	20.3	23.3	50.1	48.6	13.5	12.7	0.012073
17:00	16.2	15.2	20.2	23.7	49.3	47.2	13.4	12.6	0.011948
18:00	17.7	16.2	20.7	23.9	59.7	52.8	14.8	13.5	0.013145
19:00	18.8	17.7	20.6	23.9	73.8	63.2	15.9	14.8	0.014052
20:00	18.9	17.4	20.2	23.9	80.3	66.6	16.0	14.6	0.014112
21:00	17.5	16.7	18.7	23.8	81.8	68.6	14.8	14.0	0.012884
22:00	17.3	17.6	18.2	23.6	86.4	78.7	14.7	14.9	0.01274
23:00	17.1	17.9	17.8	23.4	89.8	84.6	14.5	15.1	0.012578
Avg	17.6	17.3	19.2	22.4	79.0	77.0	14.9	14.7	0.013039
Max	18.9	19.8	20.7	23.9	97.8	99.7	16.0	17.1	0.014112
Hr. of Max	20	00	18	20	08	07	20	00	20
Min	15.8	14.7	17.8	21.2	48.1	47.0	13.1	12.2	0.011651
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)

5/28/2016

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	0.014904	21.6	23.1	.00	29.17	987.8	-1.6	.00	45.7
01:00	0.014713	20.9	22.8	.00	29.16	987.6	-2.0	.00	47.5
02:00	0.014385	20.8	22.3	.00	29.16	987.5	-2.4	.00	57.9
03:00	0.013875	20.7	21.5	.00	29.16	987.4	-2.9	.00	52.7
04:00	0.013576	20.5	21.1	.00	29.16	987.6	-2.9	.00	48.8
05:00	0.013382	20.3	20.8	.00	29.17	987.9	-2.8	.00	41.1
06:00	0.013747	20.7	21.4	.00	29.19	988.5	7.3	.01	53.4
07:00	0.013931	21.4	21.7	.00	29.20	988.9	52.3	.07	44.5
08:00	0.013957	21.6	21.7	.00	29.21	989.4	144.0	.21	34.3
09:00	0.013628	21.0	21.2	.00	29.24	990.4	434.8	.62	42.5
10:00	0.011843	20.5	18.5	.00	29.25	990.6	567.1	.81	258.9
11:00	0.012319	20.5	19.2	.00	29.26	990.8	742.3	1.06	246.6
12:00	0.011693	19.6	18.3	.00	29.25	990.5	848.4	1.22	239.7
13:00	0.011182	18.9	17.5	.00	29.23	989.8	1004.9	1.44	272.5
14:00	0.011248	18.8	17.6	.00	29.21	989.1	955.6	1.37	247.5
15:00	0.010808	18.2	16.9	.00	29.19	988.6	965.2	1.38	106.9
16:00	0.011316	18.8	17.7	.00	29.18	988.2	468.3	.67	33.3
17:00	0.011191	18.6	17.5	.00	29.17	988.0	467.4	.67	341.1
18:00	0.011965	20.4	18.6	.00	29.17	987.8	214.7	.31	2.1
19:00	0.013092	21.8	20.4	.00	29.17	987.8	99.5	.14	5.4
20:00	0.012842	21.9	20.0	.00	29.17	987.9	26.6	.04	343.9
21:00	0.012289	20.1	19.1	.00	29.18	988.0	-1.3	.00	343.0
22:00	0.012995	19.8	20.2	.00	29.19	988.4	-1.8	.00	308.4
23:00	0.013198	19.6	20.5	.00	29.19	988.5	-1.5	.00	357.3
Avg	0.012837	20.3	20.0	.00	29.19	988.6	290.8	.42	11.0
Max	0.014904	21.9	23.1	.00	29.26	990.8	1004.9	1.44	357.3
Hr. of Max	00	20	00	23	11	11	13	13	23
Min	0.010808	18.2	16.9	.00	29.16	987.4	-2.9	.00	2.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/28/2016

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	67.9	65.1	48.1	15.7	12.6	5.4	1.5	2.4	3.7
01:00	45.0	57.2	48.5	15.6	9.8	6.4	1.0	2.0	3.4
02:00	57.7	61.1	60.0	15.2	10.7	4.7	1.5	2.6	4.1
03:00	58.5	62.3	55.6	24.0	11.7	7.2	1.3	3.2	4.7
04:00	56.1	68.7	47.3	18.2	12.5	9.2	1.8	3.1	3.7
05:00	55.0	73.0	39.8	15.1	10.1	6.9	2.2	3.5	4.3
06:00	67.4	79.3	54.0	19.2	13.9	9.9	2.2	3.7	4.7
07:00	47.1	54.1	43.6	29.8	15.9	12.3	1.9	3.5	4.3
08:00	45.6	50.8	31.2	25.9	18.4	18.0	2.4	3.8	4.0
09:00	37.8	48.1	45.2	45.2	35.2	33.8	.8	1.0	1.2
10:00	291.8	274.9	256.4	73.2	50.3	56.6	.4	1.0	1.0
11:00	256.6	259.0	250.4	55.7	48.6	55.8	1.3	1.5	1.5
12:00	252.4	247.6	248.2	56.2	56.3	48.8	1.8	2.1	2.5
13:00	278.2	265.6	275.1	47.0	47.9	50.4	2.3	2.6	2.6
14:00	260.8	247.4	252.2	54.2	45.4	49.6	2.6	3.1	3.2
15:00	336.3	325.6	140.2	41.9	38.8	37.9	.1	.9	.8
16:00	35.3	46.4	34.0	58.8	48.2	43.1	1.6	2.2	2.5
17:00	326.9	335.7	316.0	44.3	57.7	43.5	.7	1.1	1.3
18:00	56.0	96.4	351.5	34.2	28.6	29.6	.3	.6	1.0
19:00	66.3	91.5	3.7	27.5	33.8	15.3	1.0	1.4	1.7
20:00	40.7	74.1	343.9	22.6	12.2	10.9	1.0	1.9	1.7
21:00	63.3	65.2	339.1	45.5	9.4	13.2	.5	1.2	1.3
22:00	81.1	71.3	314.0	41.4	35.6	16.4	.4	.5	.7
23:00	64.3	81.4	2.5	31.2	13.2	8.1	.6	1.2	1.3
Avg	36.0	53.0	7.0	35.7	28.2	24.7	.0	.0	.0
Max	336.3	335.7	351.5	73.2	57.7	56.6	2.6	3.8	4.7
Hr. of Max	15	17	18	10	17	10	14	08	06
Min	35.3	46.4	2.5	15.1	9.4	4.7	.1	.5	.7
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)

5/28/2016

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	1.6	2.5	3.8	1.7	4.0	-2.9	-.2	-.11	-.02
01:00	1.1	2.1	3.5	1.4	3.7	.0	-.3	-.02	-.02
02:00	1.6	2.6	4.1	1.7	4.3	.4	-.5	-.01	-.04
03:00	1.5	3.3	4.8	1.7	5.0	-4.7	-1.0	-.20	-.10
04:00	1.9	3.2	3.8	2.1	3.9	-4.9	-3.7	-.24	-.25
05:00	2.3	3.5	4.3	2.4	4.5	-5.4	-2.2	-.29	-.18
06:00	2.3	3.9	4.8	2.6	5.0	-2.5	-1.8	-.18	-.17
07:00	2.1	3.7	4.5	2.3	4.8	-1.6	-.6	-.19	-.11
08:00	2.6	3.9	4.1	2.8	4.3	-3.5	-7.2	-.34	-.53
09:00	1.3	1.3	1.4	1.8	2.0	-2.0	-4.4	-.07	-.14
10:00	1.8	2.4	2.2	2.4	2.9	-4.7	-3.1	-.17	-.14
11:00	2.2	2.5	2.3	2.7	2.9	4.2	-1.9	.16	-.18
12:00	2.8	3.1	3.3	3.3	4.0	-5.8	-4.1	-.37	-.38
13:00	3.3	3.7	3.8	3.9	4.5	-3.8	-6.4	-.28	-.54
14:00	3.6	3.9	3.9	4.1	4.6	-1.6	-.4	-.18	-.21
15:00	3.2	3.3	3.5	3.7	4.2	-2.2	-4.0	-.22	-.30
16:00	2.5	3.0	3.1	3.0	3.7	5.4	8.2	.12	.34
17:00	1.6	1.8	2.0	2.1	2.6	-.7	-1.7	-.04	-.13
18:00	1.3	1.4	1.4	1.6	2.0	6.8	12.2	.19	.54
19:00	1.3	1.5	1.7	1.5	2.0	-.2	1.2	-.02	.01
20:00	1.2	2.0	1.7	1.4	1.9	-.9	.2	-.03	.02
21:00	.7	1.3	1.4	.9	1.7	1.4	1.4	.01	.05
22:00	.7	.9	.8	.9	1.3	.4	-.8	.01	-.02
23:00	.8	1.2	1.3	1.0	1.6	2.9	-1.0	.04	-.03
Avg	1.9	2.6	3.0	2.2	3.4	-1.1	-.9	-.10	-.11
Max	3.6	3.9	4.8	4.1	5.0	6.8	12.2	.19	.54
Hr. of Max	14	14	06	14	06	18	18	18	18
Min	.7	.9	.8	.9	1.3	-5.8	-7.2	-.37	-.54
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/28/2016

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	3.9	4.6	6.2	3.3	6.0	7.7	3.3	21.7	21.9
01:00	5.0	6.0	7.6	3.3	5.1	9.6	3.3	21.5	21.6
02:00	2.7	3.9	6.2	3.3	6.5	7.6	4.0	21.1	21.3
03:00	4.1	6.0	7.8	4.7	7.5	16.2	5.0	20.4	20.4
04:00	3.9	8.9	11.0	4.2	6.6	13.7	4.6	20.0	20.1
05:00	3.9	8.7	8.0	4.6	6.3	12.2	5.5	19.8	19.8
06:00	4.8	6.9	10.1	5.7	7.8	13.6	6.4	20.3	20.1
07:00	7.1	8.5	10.5	6.6	7.7	22.1	9.4	20.6	20.1
08:00	7.6	10.5	12.1	7.1	8.9	23.0	14.9	20.7	20.2
09:00	4.8	4.8	4.6	6.2	5.5	26.8	30.1	22.1	21.4
10:00	6.0	6.4	6.6	6.3	6.7	28.9	31.0	23.7	23.0
11:00	6.6	7.3	7.1	7.3	8.0	28.0	31.3	24.7	23.9
12:00	8.9	8.5	7.8	9.5	9.2	27.1	30.1	25.9	25.1
13:00	9.8	10.1	14.4	10.6	16.3	25.1	28.8	27.0	26.1
14:00	9.8	9.8	9.6	10.5	10.2	23.8	25.7	27.6	26.8
15:00	8.0	9.4	8.9	10.0	9.1	26.3	27.2	28.1	27.3
16:00	9.2	10.1	13.3	9.5	8.7	28.6	27.8	28.5	27.7
17:00	5.0	7.1	8.0	5.0	5.7	29.0	32.7	28.8	28.1
18:00	3.9	4.1	5.5	4.6	5.6	18.9	21.0	28.1	28.0
19:00	3.7	5.0	5.0	4.3	5.3	11.3	9.6	26.7	27.2
20:00	4.8	4.6	5.0	3.4	3.2	7.7	5.2	25.4	26.4
21:00	2.5	4.1	5.3	2.5	3.4	8.4	5.4	24.2	25.4
22:00	1.8	2.5	2.5	2.2	2.7	6.0	7.5	23.0	24.3
23:00	2.1	2.3	2.3	2.4	2.4	6.9	3.9	22.1	23.1
Avg	5.4	6.7	7.7	5.7	6.9	17.9	15.6	23.8	23.7
Max	9.8	10.5	14.4	10.6	16.3	29.0	32.7	28.8	28.1
Hr. of Max	14	08	13	13	13	17	17	17	17
Min	1.8	2.3	2.3	2.2	2.4	6.0	3.3	19.8	19.8
Count	24	24	24	24	24	24	24	24	24
Total									