Date Printed: 05/26/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/25/2016

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	15.6	17.6	18.0	19.4	2.06	2.46	3.90	.40	1.83
01:00	15.1	16.9	17.2	18.2	1.82	2.12	3.12	.30	1.30
02:00	14.6	16.4	16.7	17.9	1.73	2.03	3.32	.30	1.59
03:00	14.5	15.9	16.1	16.6	1.38	1.59	2.16	.21	.78
04:00	14.2	15.5	15.6	16.2	1.29	1.42	2.01	.14	.72
05:00	14.2	15.1	15.4	15.8	.92	1.15	1.56	.22	.63
06:00	14.0	14.9	14.9	15.5	.85	.91	1.43	.05	.58
07:00	15.2	15.5	15.5	15.6	.28	.27	.37	-.01	.09
08:00	17.8	17.5	17.3	17.3	-.26	-.46	-.54	-.21	-.28
09:00	19.6	19.3	19.0	18.9	-.31	-.57	-.67	-.26	-.36
10:00	20.4	20.1	19.9	19.8	-.26	-.49	-.56	-.23	-.30
11:00	21.4	20.9	20.6	20.5	-.46	-.77	-.88	-.31	-.41
12:00	23.2	22.5	22.2	22.1	-.66	-.95	-1.10	-.29	-.44
13:00	25.5	24.5	24.2	24.1	-1.00	-1.34	-1.45	-.34	-.45
14:00	27.2	26.0	25.7	25.6	-1.16	-1.50	-1.60	-.34	-.45
15:00	27.3	26.5	26.2	26.1	-.78	-1.08	-1.16	-.29	-.38
16:00	27.3	26.7	26.4	26.4	-.60	-.87	-.96	-.28	-.36
17:00	27.3	26.9	26.6	26.5	-.48	-.74	-.81	-.26	-.34
18:00	27.4	27.1	26.9	26.9	-.31	-.50	-.53	-.19	-.22
19:00	24.3	25.6	26.2	26.5	1.29	1.89	2.17	.60	.88
20:00	21.7	23.7	24.5	24.9	2.00	2.71	3.14	.71	1.14
21:00	20.0	22.1	22.6	23.3	2.09	2.65	3.32	.56	1.22
22:00	18.8	20.8	21.4	22.5	1.94	2.62	3.70	.68	1.76
23:00	18.0	19.7	20.2	21.3	1.74	2.16	3.27	.42	1.53
Avg	20.2	20.7	20.8	21.2	.55	.61	.97	.07	.42
Max	27.4	27.1	26.9	26.9	2.09	2.71	3.90	.71	1.83
Hr. of Max	18	18	18	18	21	20	00	20	00
Min	14.0	14.9	14.9	15.5	-1.16	-1.50	-1.60	-.34	-.45
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/25/2016

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	13.0	13.1	13.8	20.8	86.1	76.3	11.3	11.3	0.009573
01:00	12.9	13.0	13.6	20.5	88.0	79.2	11.2	11.3	0.009507
02:00	12.8	13.0	13.4	20.3	90.3	82.0	11.2	11.3	0.009458
03:00	12.8	13.2	13.4	20.1	91.1	85.7	11.2	11.4	0.009457
04:00	12.9	13.2	13.3	19.8	93.1	87.9	11.2	11.5	0.009494
05:00	13.0	13.2	13.4	19.6	93.8	89.8	11.3	11.5	0.009576
06:00	12.9	13.1	13.3	19.4	94.2	90.6	11.2	11.4	0.009493
07:00	13.4	12.8	14.0	19.2	90.4	85.3	11.6	11.1	0.0098
08:00	13.4	12.6	14.9	19.1	76.9	74.3	11.5	10.9	0.00983
09:00	13.3	12.7	15.4	19.0	68.3	66.6	11.4	10.9	0.009795
10:00	13.7	12.9	15.9	19.0	66.7	64.6	11.6	11.1	0.010008
11:00	14.3	13.4	16.7	19.1	65.3	63.5	12.1	11.4	0.010446
12:00	14.8	13.8	17.6	19.2	60.5	58.9	12.4	11.6	0.010798
13:00	15.6	14.6	18.9	19.5	55.4	55.4	12.9	12.2	0.011389
14:00	14.6	13.8	18.8	19.9	47.5	48.1	12.2	11.6	0.010758
15:00	14.9	14.0	19.0	20.4	47.7	47.3	12.3	11.7	0.010914
16:00	14.9	14.2	19.1	20.8	47.9	47.2	12.4	11.8	0.010962
17:00	15.9	15.1	19.7	21.1	50.8	49.9	13.1	12.6	0.011653
18:00	15.0	14.1	19.1	21.4	47.9	46.0	12.4	11.7	0.011024
19:00	16.6	14.9	19.2	21.5	63.9	53.1	13.9	12.4	0.012214
20:00	16.3	15.3	18.1	21.6	72.8	60.3	13.7	12.7	0.011925
21:00	15.8	15.6	17.2	21.6	78.6	68.3	13.4	13.1	0.011567
22:00	15.6	16.1	16.7	21.4	83.1	76.3	13.2	13.5	0.011363
23:00	15.5	16.1	16.3	21.3	87.0	80.9	13.1	13.6	0.011303
Avg	14.3	13.9	16.3	20.2	72.8	68.2	12.2	11.8	0.010513
Max	16.6	16.1	19.7	21.6	94.2	90.6	13.9	13.6	0.012214
Hr. of Max	19	23	17	21	06	06	19	23	19
Min	12.8	12.6	13.3	19.0	47.5	46.0	11.2	10.9	0.009457
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)

5/25/2016

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	0.009676	15.0	15.2	.00	29.23	989.8	-2.4	.00	347.0
01:00	0.009612	14.9	15.1	.00	29.23	989.8	-3.0	.00	50.6
02:00	0.009603	14.8	15.1	.00	29.23	989.9	-2.6	.00	57.7
03:00	0.00973	14.8	15.2	.00	29.23	989.9	-2.3	.00	55.8
04:00	0.009733	14.9	15.3	.00	29.24	990.2	-2.9	.00	60.9
05:00	0.009722	15.0	15.2	.00	29.24	990.3	-2.8	.00	67.9
06:00	0.009649	14.9	15.1	.00	29.26	991.0	9.0	.01	66.1
07:00	0.009416	15.4	14.8	.00	29.28	991.7	124.0	.18	55.0
08:00	0.009341	15.4	14.7	.00	29.30	992.2	287.1	.41	53.4
09:00	0.009365	15.4	14.7	.00	29.32	992.9	285.0	.41	34.3
10:00	0.009536	15.7	15.0	.00	29.32	993.0	213.5	.31	19.7
11:00	0.009866	16.4	15.5	.00	29.32	992.9	429.3	.62	50.7
12:00	0.010112	16.9	15.9	.00	29.31	992.6	579.3	.83	179.3
13:00	0.010715	17.8	16.8	.00	29.30	992.2	858.0	1.23	232.7
14:00	0.010174	16.9	16.0	.00	29.28	991.7	834.5	1.20	240.3
15:00	0.010325	17.1	16.2	.00	29.26	991.0	557.7	.80	235.5
16:00	0.010439	17.2	16.3	.00	29.24	990.4	430.4	.62	239.8
17:00	0.011118	18.2	17.4	.00	29.24	990.1	336.0	.48	253.0
18:00	0.010396	17.2	16.3	.00	29.22	989.7	293.8	.42	247.6
19:00	0.010968	19.1	17.1	.00	29.22	989.6	108.7	.16	309.5
20:00	0.011169	18.6	17.5	.00	29.23	990.0	10.9	.02	348.5
21:00	0.011433	18.1	17.9	.00	29.24	990.1	-2.6	.00	357.7
22:00	0.011763	17.8	18.4	.00	29.24	990.1	-2.3	.00	306.6
23:00	0.011731	17.7	18.3	.00	29.22	989.7	-1.4	.00	17.1
Avg	0.010233	16.5	16.0	.00	29.26	990.9	222.3	.32	10.0
Max	0.011763	19.1	18.4	.00	29.32	993.0	858.0	1.23	357.7
Hr. of Max	22	19	22	23	11	10	13	13	21
Min	0.009341	14.8	14.7	.00	29.22	989.6	-3.0	.00	17.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/25/2016

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	66.3	77.8	346.9	50.9	15.5	11.8	.4	1.0	1.7
01:00	62.2	59.2	54.1	19.4	8.2	5.6	1.2	2.1	3.6
02:00	77.8	48.0	61.7	17.4	8.6	6.7	1.0	2.3	2.7
03:00	63.1	56.9	59.8	24.1	10.6	4.5	1.0	2.5	4.6
04:00	66.3	54.9	67.9	12.5	6.6	3.2	1.1	2.1	4.4
05:00	62.3	57.1	71.0	12.1	8.4	3.2	1.4	3.4	5.8
06:00	70.9	65.3	69.1	8.7	6.3	4.4	1.6	2.7	4.1
07:00	64.2	67.2	58.6	24.8	14.6	8.8	1.2	1.9	2.9
08:00	54.9	65.9	54.3	35.7	28.1	25.1	1.4	2.0	2.3
09:00	37.0	45.4	36.1	47.8	30.4	25.3	.8	1.3	1.5
10:00	29.6	41.9	18.5	30.2	16.4	12.6	1.7	3.0	3.2
11:00	43.3	52.1	59.7	55.8	46.2	44.5	.5	1.3	1.7
12:00	191.2	176.5	185.8	55.9	48.3	42.7	1.0	1.3	1.6
13:00	244.8	243.9	237.1	39.6	34.6	27.7	2.9	3.5	4.4
14:00	242.0	239.0	246.9	26.3	20.8	17.9	5.2	6.8	7.6
15:00	243.8	243.0	241.9	29.5	24.3	23.1	4.0	5.3	6.0
16:00	243.9	240.2	246.0	22.0	17.8	13.7	4.2	5.9	7.3
17:00	251.2	239.3	255.8	31.3	22.0	17.8	2.9	4.1	5.2
18:00	242.9	234.5	252.4	26.3	18.8	14.1	3.3	4.9	6.3
19:00	249.2	195.5	306.7	17.3	24.9	18.0	.9	1.1	1.6
20:00	72.2	91.2	352.4	16.0	32.2	10.3	.8	1.3	1.3
21:00	70.2	73.4	355.6	25.4	6.6	5.4	.2	1.3	1.4
22:00	91.9	141.8	286.2	23.2	44.8	24.8	.2	.1	.3
23:00	62.5	117.1	31.1	32.3	16.5	57.3	.5	1.2	.2
Avg	65.0	87.0	11.0	28.5	21.3	17.9	.0	.0	.0
Max	251.2	243.9	355.6	55.9	48.3	57.3	5.2	6.8	7.6
Hr. of Max	17	13	21	12	12	23	14	14	14
Min	29.6	41.9	18.5	8.7	6.3	3.2	.2	.1	.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/25/2016

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	.6	1.0	1.7	.8	2.0	2.1	-.2	.03	-.01
01:00	1.3	2.2	3.7	1.4	3.9	.5	1.7	.01	.13
02:00	1.0	2.4	2.8	1.2	3.0	2.0	.6	.04	.03
03:00	1.1	2.6	4.6	1.3	4.8	1.3	1.3	.03	.11
04:00	1.1	2.1	4.4	1.2	4.6	1.4	.7	.03	.06
05:00	1.5	3.5	5.9	1.6	6.1	-.8	-.7	-.05	-.08
06:00	1.6	2.7	4.2	1.8	4.4	-.6	.2	-.03	.01
07:00	1.3	2.0	2.9	1.4	3.2	-1.0	-.2	-.06	-.03
08:00	1.7	2.2	2.4	2.1	2.8	-3.6	8.8	-.21	.41
09:00	1.1	1.5	1.7	1.6	2.1	-.5	-2.3	-.05	-.07
10:00	2.0	3.2	3.4	2.3	3.6	-2.6	-1.8	-.24	-.09
11:00	1.7	2.2	2.2	2.2	2.7	1.3	6.5	-.05	.31
12:00	1.9	2.0	2.2	2.5	2.8	1.8	2.4	.05	.12
13:00	3.6	4.1	4.8	4.3	5.5	.7	-2.5	-.06	-.34
14:00	5.7	7.2	7.9	6.2	8.6	-3.0	-2.3	-.51	-.50
15:00	4.5	5.9	6.6	5.1	7.2	-2.4	-1.8	-.38	-.25
16:00	4.5	6.3	7.6	5.1	8.2	-2.8	-1.6	-.44	-.30
17:00	3.3	4.4	5.4	3.7	5.9	2.3	3.1	-.10	.16
18:00	3.6	5.1	6.5	4.1	7.0	-1.4	.3	-.24	-.09
19:00	1.1	1.2	1.9	1.4	2.2	.3	-1.2	-.02	-.03
20:00	.9	1.4	1.3	1.2	1.6	2.1	1.2	.03	.05
21:00	.2	1.3	1.4	.5	1.7	2.6	-1.2	.03	-.03
22:00	.2	.1	.6	.5	1.0	.4	-2.3	.00	-.03
23:00	.6	1.3	.4	.9	1.0	1.2	1.6	.01	.03
Avg	1.9	2.8	3.6	2.3	4.0	.1	.4	-.09	-.02
Max	5.7	7.2	7.9	6.2	8.6	2.6	8.8	.05	.41
Hr. of Max	14	14	14	14	14	21	08	12	08
Min	.2	.1	.4	.5	1.0	-3.6	-2.5	-.51	-.50
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/25/2016

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	2.1	4.4	3.7	2.5	3.7	9.1	5.7	18.4	20.1
01:00	2.5	3.7	5.5	2.7	5.6	7.5	6.0	17.8	18.9
02:00	2.7	4.6	7.3	3.0	7.1	10.1	6.3	17.2	18.6
03:00	3.2	6.4	12.4	3.3	7.0	10.7	2.4	16.8	17.4
04:00	2.5	4.4	8.2	2.6	6.0	8.5	2.3	16.4	16.9
05:00	3.2	5.5	11.2	3.4	7.9	9.6	2.3	16.0	16.5
06:00	3.0	6.6	12.1	3.4	6.9	7.2	3.3	15.8	16.2
07:00	3.4	5.3	8.7	3.1	5.4	14.5	8.0	16.4	16.2
08:00	11.2	8.2	8.2	5.4	5.3	21.9	20.6	18.5	17.9
09:00	6.2	5.7	4.4	4.7	4.9	30.1	25.5	20.2	19.5
10:00	5.7	6.4	6.6	5.8	6.9	21.3	9.6	21.0	20.3
11:00	5.3	8.2	9.8	6.5	6.6	26.8	26.6	21.9	21.2
12:00	6.2	6.9	8.2	7.5	9.4	26.7	28.5	23.4	22.6
13:00	12.1	12.6	12.4	12.1	12.8	24.6	22.0	25.2	24.4
14:00	14.4	16.3	14.9	13.6	15.9	16.3	13.6	26.6	25.7
15:00	13.7	12.8	23.4	14.2	15.5	18.3	14.6	27.2	26.4
16:00	11.2	18.5	14.9	12.2	14.0	16.2	10.7	27.4	26.6
17:00	11.9	12.4	14.2	11.2	15.0	21.7	13.1	27.7	26.9
18:00	8.7	14.7	12.6	10.5	13.2	16.5	11.9	27.8	27.2
19:00	5.3	7.8	11.2	4.6	6.6	11.7	8.1	26.4	26.9
20:00	2.5	2.7	2.7	2.9	2.9	6.8	5.4	24.6	25.6
21:00	1.4	3.4	3.2	1.7	2.3	6.5	3.3	23.1	24.2
22:00	1.1	1.4	2.3	1.6	2.8	7.6	9.5	21.8	23.5
23:00	2.1	2.3	2.7	2.4	3.0	8.0	17.6	20.8	22.2
Avg	5.9	7.6	9.2	5.9	7.8	14.9	11.5	21.6	21.7
Max	14.4	18.5	23.4	14.2	15.9	30.1	28.5	27.8	27.2
Hr. of Max	14	16	15	15	14	09	12	18	18
Min	1.1	1.4	2.3	1.6	2.3	6.5	2.3	15.8	16.2
Count	24	24	24	24	24	24	24	24	24
Total									