Date Printed: 03/04/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/3/2015

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	5.1	5.6	5.6	5.6	.50	.45	.49	-.05	-.01
01:00	5.6	5.7	5.6	5.6	.15	.04	.07	-.10	-.08
02:00	5.7	5.8	5.8	5.8	.15	.09	.15	-.06	.00
03:00	5.7	5.8	5.8	5.9	.06	.06	.14	.00	.08
04:00	5.5	5.7	5.7	5.8	.16	.21	.27	.05	.12
05:00	4.6	4.6	4.4	4.5	-.02	-.13	-.12	-.10	-.10
06:00	4.2	4.1	4.0	4.0	-.11	-.23	-.22	-.12	-.11
07:00	4.4	4.3	4.1	4.2	-.10	-.21	-.21	-.11	-.11
08:00	4.8	4.7	4.5	4.4	-.14	-.33	-.38	-.19	-.24
09:00	5.2	5.1	4.9	4.8	-.13	-.34	-.44	-.21	-.31
10:00	5.8	5.6	5.4	5.3	-.18	-.40	-.52	-.23	-.34
11:00	6.3	6.0	5.8	5.8	-.21	-.42	-.51	-.21	-.30
12:00	6.9	6.7	6.5	6.4	-.25	-.47	-.57	-.23	-.32
13:00	7.6	7.4	7.1	7.0	-.27	-.50	-.62	-.23	-.35
14:00	8.2	8.0	7.8	7.7	-.19	-.40	-.50	-.21	-.32
15:00	8.6	8.5	8.3	8.2	-.11	-.30	-.37	-.19	-.26
16:00	8.6	8.6	8.5	8.6	-.05	-.14	-.01	-.09	.04
17:00	9.1	9.1	9.2	9.3	.04	.06	.24	.02	.20
18:00	9.3	9.9	10.0	10.1	.52	.61	.79	.09	.27
19:00	9.6	10.1	10.3	10.5	.53	.69	.89	.16	.35
20:00	10.1	10.8	11.1	11.5	.65	.97	1.32	.31	.67
21:00	11.4	11.9	11.9	12.0	.50	.51	.59	.01	.09
22:00	11.8	12.0	12.0	12.0	.19	.16	.20	-.03	.01
23:00	12.3	12.4	12.4	12.4	.18	.13	.18	-.05	.00
Avg	7.4	7.4	7.4	7.4	.08	.00	.04	-.07	-.04
Max	12.3	12.4	12.4	12.4	.65	.97	1.32	.31	.67
Hr. of Max	23	23	23	23	20	20	20	20	20
Min	4.2	4.1	4.0	4.0	-.27	-.50	-.62	-.23	-.35
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/3/2015

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	1.1	-.5	2.4	6.1	75.7	65.3	5.2	4.6	0.004174
01:00	.8	-.1	2.4	6.1	72.0	66.7	5.0	4.7	0.004091
02:00	.6	-.2	2.3	6.0	70.5	65.9	5.0	4.7	0.004045
03:00	1.2	.3	2.7	6.0	73.2	68.6	5.2	4.9	0.004216
04:00	1.8	.5	3.0	5.9	77.6	70.2	5.4	5.0	0.004395
05:00	3.1	2.5	3.6	5.9	90.8	87.4	6.0	5.7	0.004821
06:00	3.4	3.3	3.7	5.9	95.3	95.2	6.1	6.1	0.004938
07:00	3.6	3.6	3.9	5.8	95.9	95.9	6.2	6.2	0.00502
08:00	4.1	4.0	4.3	5.8	96.1	96.0	6.4	6.3	0.005186
09:00	4.4	4.3	4.7	5.8	95.1	95.4	6.5	6.5	0.005288
10:00	4.8	4.6	5.1	5.8	94.0	94.2	6.7	6.6	0.005434
11:00	5.3	5.1	5.6	5.8	94.4	94.6	6.9	6.8	0.005647
12:00	5.9	5.7	6.2	5.9	94.0	94.2	7.2	7.1	0.005895
13:00	6.3	6.1	6.8	6.1	92.5	92.8	7.4	7.3	0.00609
14:00	6.8	6.7	7.3	6.2	92.1	92.4	7.6	7.6	0.006317
15:00	7.5	7.4	7.9	6.4	94.0	94.2	8.0	7.9	0.006614
16:00	7.8	7.9	8.1	6.5	96.0	96.3	8.2	8.2	0.006775
17:00	8.5	8.6	8.7	6.6	96.8	97.2	8.5	8.6	0.007071
18:00	8.7	9.3	8.9	6.7	97.1	97.6	8.7	9.0	0.007205
19:00	9.0	9.6	9.2	7.0	97.3	97.6	8.8	9.1	0.007344
20:00	9.6	10.3	9.8	7.3	97.6	97.9	9.2	9.6	0.007651
21:00	10.9	11.4	11.1	7.3	97.9	97.9	9.9	10.2	0.008345
22:00	11.3	11.4	11.4	7.3	97.7	97.6	10.2	10.3	0.008562
23:00	11.7	11.9	11.9	7.4	97.5	97.8	10.4	10.6	0.008802
Avg	5.8	5.6	6.3	6.3	90.9	89.5	7.3	7.2	0.005997
Max	11.7	11.9	11.9	7.4	97.9	97.9	10.4	10.6	0.008802
Hr. of Max	23	23	23	23	21	21	23	23	23
Min	.6	-.5	2.3	5.8	70.5	65.3	5.0	4.6	0.004045
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/3/2015

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	0.003731	6.6	5.9	.00	29.34	993.6	-2.1	.00	47.4
01:00	0.00383	6.5	6.1	.00	29.31	992.6	-2.1	.00	36.8
02:00	0.003825	6.4	6.1	.00	29.30	992.1	-2.1	.00	51.8
03:00	0.003969	6.7	6.3	.00	29.28	991.7	-1.9	.00	270.8
04:00	0.004025	7.0	6.4	.00	29.28	991.7	-2.5	.00	244.4
05:00	0.004629	7.6	7.3	.00	29.29	991.8	-2.4	.00	253.8
06:00	0.004897	7.8	7.7	.01	29.29	991.9	-2.2	.00	219.0
07:00	0.004986	7.9	7.9	.00	29.29	991.8	5.1	.01	303.6
08:00	0.005135	8.2	8.1	.00	29.29	991.9	21.2	.03	351.4
09:00	0.005258	8.4	8.3	.01	29.29	991.9	61.8	.09	80.4
10:00	0.005383	8.6	8.5	.00	29.27	991.4	85.1	.12	206.6
11:00	0.005577	8.9	8.8	.00	29.25	990.7	121.5	.17	243.3
12:00	0.005808	9.3	9.2	.00	29.23	990.0	141.7	.20	242.8
13:00	0.005996	9.6	9.4	.00	29.19	988.6	135.9	.19	261.5
14:00	0.006258	9.9	9.8	.00	29.17	987.7	74.7	.11	257.2
15:00	0.006578	10.4	10.3	.01	29.15	987.0	52.0	.07	231.8
16:00	0.006778	10.6	10.6	.02	29.13	986.5	22.3	.03	201.6
17:00	0.007123	11.1	11.2	.00	29.12	986.0	20.5	.03	211.9
18:00	0.007503	11.3	11.8	.08	29.11	985.9	-.5	.00	227.0
19:00	0.007637	11.5	12.0	.13	29.11	986.0	-2.4	.00	128.3
20:00	0.00802	12.0	12.5	.00	29.10	985.6	-2.6	.00	231.2
21:00	0.008622	13.0	13.5	.00	29.09	985.1	-2.3	.00	239.9
22:00	0.008662	13.4	13.5	.00	29.08	984.8	-2.3	.00	238.7
23:00	0.008941	13.7	13.9	.00	29.07	984.4	-2.1	.00	241.7
Avg	0.005965	9.4	9.4	.01	29.21	989.2	29.8	.04	241.0
Max	0.008941	13.7	13.9	.13	29.34	993.6	141.7	.20	351.4
Hr. of Max	23	23	23	19	00	00	12	12	08
Min	0.003731	6.4	5.9	.00	29.07	984.4	-2.6	.00	36.8
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/3/2015

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	66.2	67.4	48.9	63.8	53.3	21.8	12.0	.5	1.8
01:00	46.5	55.5	36.4	51.4	23.5	14.6	10.9	1.4	3.2
02:00	71.6	69.4	53.8	65.7	34.3	15.1	11.6	1.1	2.4
03:00	281.7	20.9	270.7	17.3	48.9	33.8	47.9	.6	.2
04:00	225.3	217.5	247.3	222.1	19.3	24.7	48.4	1.4	1.6
05:00	280.6	336.5	251.2	328.7	35.9	32.7	42.8	.8	.8
06:00	223.3	214.1	225.9	217.3	23.7	12.3	20.1	1.1	1.3
07:00	3.0	80.7	294.9	79.4	47.1	37.8	27.5	.5	.4
08:00	349.4	.6	344.2	355.2	52.7	34.1	35.9	.4	.9
09:00	70.0	65.1	100.5	61.6	61.2	60.5	57.5	.6	.6
10:00	218.8	203.2	204.9	210.2	52.6	52.1	41.9	.5	.7
11:00	246.9	241.0	242.3	241.3	37.7	32.6	24.6	1.0	1.5
12:00	261.6	267.1	247.6	267.3	31.1	27.3	22.8	1.6	2.1
13:00	267.4	269.1	264.3	269.5	28.9	27.4	23.6	2.2	2.7
14:00	270.6	265.7	260.6	266.4	29.0	24.4	19.2	1.8	2.6
15:00	252.6	258.7	232.7	260.0	40.2	30.0	25.2	1.3	1.9
16:00	222.1	237.7	206.0	239.4	16.2	11.9	9.7	2.1	3.3
17:00	231.7	233.2	217.4	234.9	31.3	22.0	13.2	1.3	3.1
18:00	243.6	239.4	231.3	241.5	29.6	12.2	8.8	1.2	3.4
19:00	222.8	237.6	235.0	240.7	64.4	45.7	19.1	.1	.7
20:00	239.5	234.0	235.0	236.3	24.6	10.9	8.2	2.3	5.2
21:00	247.5	243.9	245.4	245.7	18.7	11.6	9.2	4.3	7.0
22:00	245.4	241.2	243.8	243.1	18.0	12.0	8.3	4.5	7.5
23:00	248.5	243.2	247.1	245.3	17.2	12.5	9.0	4.7	7.3
Avg	255.0	252.0	247.0	257.0	35.0	25.8	23.2	.0	.0
Max	349.4	336.5	344.2	355.2	64.4	60.5	57.5	4.7	7.5
Hr. of Max	08	05	08	08	19	09	09	23	22
Min	3.0	.6	36.4	17.3	16.2	10.9	8.2	.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)

3/3/2015

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	2.7	.8	1.9	2.8	1.2	3.2	.8	.8	.00
01:00	4.1	1.6	3.3	4.1	1.9	4.5	-3.0	-1.4	-.14
02:00	2.8	1.2	2.6	3.0	1.6	3.4	-1.7	-.9	-.09
03:00	.7	1.2	1.3	.7	1.6	1.1	-1.4	-.2	-.04
04:00	.6	1.6	1.8	.9	2.0	1.3	.1	-.6	.00
05:00	.5	.9	1.2	.8	1.3	1.4	3.4	3.4	.06
06:00	.9	1.2	1.4	1.0	1.8	1.5	1.2	-.9	.02
07:00	.2	.8	.9	.8	1.2	1.4	-.9	-.9	-.04
08:00	.7	.7	1.1	.9	1.1	1.5	2.6	-.3	.04
09:00	.6	.8	.9	.8	1.3	1.4	3.0	-.6	.07
10:00	.8	.9	.9	1.1	1.5	1.7	9.3	3.4	.23
11:00	1.9	1.6	2.1	2.4	2.1	3.0	-.4	-1.1	-.06
12:00	2.3	1.8	2.3	2.5	2.4	3.0	-.6	-2.6	-.07
13:00	2.8	2.5	3.0	3.1	3.0	3.5	-1.3	.3	-.10
14:00	3.3	2.1	2.8	3.5	2.6	4.0	1.5	2.0	-.04
15:00	2.5	1.6	2.3	2.8	2.2	3.2	2.1	3.0	.02
16:00	4.4	2.2	3.4	4.4	2.8	5.0	.4	1.2	-.02
17:00	5.0	1.7	3.5	5.3	2.2	5.8	1.0	1.4	.00
18:00	5.6	1.5	3.6	5.8	2.0	6.3	1.2	1.7	.02
19:00	2.1	.4	.9	2.2	1.0	2.7	1.3	.4	.03
20:00	8.1	2.5	5.4	8.3	3.0	8.9	.0	1.7	-.05
21:00	9.3	4.5	7.2	9.4	5.0	10.0	-.2	1.5	-.12
22:00	9.9	4.7	7.7	10.1	5.4	10.7	.2	1.1	-.11
23:00	9.7	5.0	7.6	9.9	5.5	10.5	.1	.9	-.12
Avg	.0	1.8	2.9	3.6	2.3	4.1	.8	.6	-.02
Max	9.9	5.0	7.7	10.1	5.5	10.7	9.3	3.4	.23
Hr. of Max	22	23	22	22	23	22	10	10	10
Min	.2	.4	.9	.7	1.0	1.1	-3.0	-2.6	-.14
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/3/2015

Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	82_SPkWsH_015m	83_SPkWsH_060m	84_SigPhi_015m	85_SigPhi_060m
Hour	MPH	MPH	MPH	MPH	MPH	MPH	DEG	DEG
00:00	.03	2.7	6.2	9.6	3.2	7.5	14.2	6.9
01:00	-.13	4.6	6.9	7.8	6.0	7.9	16.3	5.9
02:00	-.05	3.2	7.8	8.5	3.6	5.6	14.6	5.5
03:00	-.03	4.1	3.0	4.1	3.4	3.6	12.5	10.5
04:00	.02	3.9	4.1	3.2	4.7	3.7	7.3	11.4
05:00	.06	3.4	4.1	2.7	4.1	3.4	10.7	11.4
06:00	-.02	3.2	6.6	5.0	3.8	3.6	11.3	7.6
07:00	-.04	3.2	3.9	3.2	3.3	3.2	13.2	12.6
08:00	-.01	3.0	3.4	3.0	3.3	3.8	19.9	10.2
09:00	.00	3.7	4.4	4.1	4.1	4.5	24.1	18.9
10:00	.06	3.0	3.2	3.4	3.5	4.7	23.2	24.8
11:00	-.12	5.0	5.0	5.5	5.5	6.2	19.4	16.7
12:00	-.22	8.0	9.6	8.0	5.6	6.9	20.0	18.8
13:00	-.08	6.2	7.6	7.8	6.6	8.6	19.5	16.8
14:00	.04	5.7	7.3	8.0	6.3	8.5	18.3	14.5
15:00	.06	5.7	7.3	7.3	5.5	7.9	17.2	15.9
16:00	.10	4.6	5.7	8.5	5.2	9.2	10.2	4.6
17:00	.13	7.6	8.9	11.4	5.1	11.1	12.3	5.7
18:00	.18	5.0	8.2	10.1	5.5	10.4	10.0	4.3
19:00	.01	2.7	4.8	7.3	3.0	7.4	9.9	6.3
20:00	.23	8.5	11.0	13.1	8.7	14.0	8.8	4.4
21:00	.22	10.5	12.1	16.0	10.4	16.9	12.0	5.5
22:00	.16	10.3	13.3	16.3	12.5	15.8	12.8	5.7
23:00	.12	12.8	17.6	17.6	12.7	16.0	13.1	6.4
Avg	.03	5.4	7.2	8.0	5.7	7.9	14.6	10.5
Max	.23	12.8	17.6	17.6	12.7	16.9	24.1	24.8
Hr. of Max	20	23	23	23	23	21	09	10
Min	-.22	2.7	3.0	2.7	3.0	3.2	7.3	4.3
Count	24	24	24	24	24	24	24	24
Total								