Date Printed: 04/12/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/11/2015

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	11.0	13.9	14.2	14.4	2.88	3.24	3.36	.36	.48
01:00	10.0	12.2	13.3	13.8	2.20	3.34	3.83	1.14	1.63
02:00	9.2	11.0	11.7	12.9	1.81	2.51	3.69	.70	1.88
03:00	8.1	10.1	10.6	11.6	1.96	2.47	3.53	.51	1.57
04:00	6.9	8.9	9.5	10.6	2.00	2.58	3.68	.58	1.68
05:00	6.3	8.0	8.6	10.0	1.78	2.32	3.79	.53	2.00
06:00	5.7	7.3	7.9	9.4	1.68	2.23	3.74	.55	2.06
07:00	5.5	6.9	7.6	8.8	1.45	2.11	3.33	.66	1.88
08:00	8.3	8.4	8.4	9.2	.05	.09	.89	.03	.83
09:00	12.4	12.1	11.9	12.0	-.35	-.54	-.47	-.19	-.12
10:00	15.4	14.9	14.6	14.4	-.51	-.81	-.96	-.30	-.45
11:00	17.0	16.4	16.1	15.9	-.64	-.93	-1.09	-.30	-.46
12:00	18.8	18.1	17.7	17.5	-.71	-1.07	-1.28	-.35	-.57
13:00	20.0	19.1	18.8	18.6	-.83	-1.16	-1.34	-.33	-.51
14:00	21.0	20.2	19.8	19.6	-.83	-1.22	-1.44	-.39	-.60
15:00	21.7	21.1	20.7	20.5	-.61	-.99	-1.23	-.38	-.62
16:00	22.3	21.7	21.3	21.1	-.64	-1.00	-1.17	-.36	-.54
17:00	22.1	21.7	21.5	21.3	-.33	-.61	-.75	-.28	-.43
18:00	21.7	21.8	21.6	21.5	.04	-.14	-.24	-.18	-.28
19:00	19.7	21.0	21.1	21.1	1.34	1.39	1.42	.05	.09
20:00	16.6	19.1	19.7	20.0	2.54	3.07	3.36	.53	.82
21:00	14.1	17.2	18.3	18.8	3.10	4.16	4.71	1.06	1.62
22:00	12.3	15.6	16.5	17.3	3.29	4.26	5.06	.97	1.77
23:00	10.7	13.9	15.2	16.1	3.17	4.42	5.40	1.25	2.23
Avg	14.0	15.0	15.3	15.7	.99	1.24	1.66	.24	.67
Max	22.3	21.8	21.6	21.5	3.29	4.42	5.40	1.25	2.23
Hr. of Max	16	18	18	18	22	23	23	23	23
Min	5.5	6.9	7.6	8.8	-.83	-1.22	-1.44	-.39	-.62
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/11/2015

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	8.5	6.3	9.3	17.1	85.4	60.8	8.5	7.2	0.007057
01:00	8.2	6.8	8.8	16.8	89.6	70.8	8.3	7.6	0.006913
02:00	7.7	7.9	8.2	16.5	91.6	82.2	8.1	8.1	0.006696
03:00	6.9	6.8	7.3	16.2	93.2	80.9	7.7	7.6	0.006342
04:00	5.9	6.7	6.3	15.9	94.3	87.0	7.2	7.6	0.005906
05:00	5.3	6.4	5.6	15.6	94.8	90.5	6.9	7.4	0.005667
06:00	4.8	6.0	5.1	15.3	95.0	92.1	6.7	7.2	0.005454
07:00	4.6	5.6	4.9	14.9	95.3	92.1	6.6	7.0	0.005391
08:00	6.6	5.8	7.2	14.6	89.9	84.8	7.5	7.1	0.006181
09:00	6.6	5.3	8.5	14.4	68.9	64.5	7.4	6.8	0.006199
10:00	4.7	3.1	8.2	14.4	49.6	46.0	6.5	5.8	0.005435
11:00	4.0	2.4	8.4	14.7	42.8	39.8	6.2	5.5	0.005217
12:00	2.4	.7	7.9	15.2	34.3	31.7	5.5	4.9	0.004682
13:00	2.8	1.0	8.5	15.8	32.9	30.2	5.6	4.9	0.004829
14:00	2.5	.9	8.7	16.6	30.3	28.4	5.5	4.9	0.004751
15:00	1.2	-.4	8.0	17.2	26.3	24.4	5.0	4.5	0.00432
16:00	.2	-1.5	7.6	17.5	23.8	21.8	4.7	4.1	0.004042
17:00	-.8	-2.6	6.8	17.7	22.3	20.0	4.3	3.8	0.003743
18:00	-1.3	-3.1	6.4	17.8	22.1	19.3	4.2	3.7	0.003627
19:00	-.1	-2.7	6.5	17.7	27.3	20.8	4.6	3.8	0.003914
20:00	.4	-3.2	5.8	17.5	34.3	22.4	4.8	3.7	0.00405
21:00	1.5	-.6	5.7	17.2	43.1	30.7	5.2	4.5	0.004361
22:00	1.9	-.5	5.4	16.9	50.0	34.2	5.4	4.5	0.004489
23:00	1.6	-.5	4.7	16.6	54.1	38.0	5.3	4.5	0.004383
Avg	3.6	2.4	7.1	16.3	58.0	50.6	6.2	5.7	0.005152
Max	8.5	7.9	9.3	17.8	95.3	92.1	8.5	8.1	0.007057
Hr. of Max	00	02	00	18	07	07	00	02	00
Min	-1.3	-3.2	4.7	14.4	22.1	19.3	4.2	3.7	0.003627
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/11/2015

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	0.006074	11.1	9.6	.00	29.21	989.3	-2.4	.00	261.7
01:00	0.00632	10.9	10.0	.00	29.23	989.7	-2.1	.00	339.4
02:00	0.00679	10.5	10.7	.00	29.22	989.7	-2.5	.00	41.2
03:00	0.006285	10.0	9.9	.00	29.23	989.8	-2.5	.00	13.4
04:00	0.006246	9.3	9.8	.00	29.24	990.2	-1.4	.00	334.9
05:00	0.00612	8.9	9.7	.00	29.25	990.5	-2.0	.00	63.9
06:00	0.005937	8.6	9.4	.00	29.26	990.9	-2.1	.00	46.3
07:00	0.00576	8.5	9.1	.00	29.29	991.8	34.8	.05	77.5
08:00	0.005845	9.8	9.2	.00	29.31	992.5	238.2	.34	93.8
09:00	0.005663	9.8	9.0	.00	29.32	992.8	483.1	.69	96.6
10:00	0.004879	8.6	7.7	.00	29.31	992.7	642.5	.92	92.0
11:00	0.004656	8.3	7.4	.00	29.30	992.4	824.4	1.18	98.1
12:00	0.004128	7.4	6.5	.00	29.29	991.8	945.0	1.35	78.5
13:00	0.004218	7.6	6.7	.00	29.26	991.0	981.2	1.41	90.3
14:00	0.004216	7.5	6.7	.00	29.25	990.4	958.1	1.37	101.7
15:00	0.003859	6.8	6.1	.00	29.23	989.8	868.9	1.25	83.7
16:00	0.003564	6.4	5.6	.00	29.22	989.5	725.4	1.04	60.8
17:00	0.003285	5.9	5.2	.00	29.21	989.2	447.4	.64	78.1
18:00	0.003169	5.7	5.0	.00	29.21	989.3	190.5	.27	78.0
19:00	0.003264	6.2	5.2	.00	29.21	989.3	41.2	.06	54.9
20:00	0.003132	6.4	5.0	.00	29.22	989.6	-.5	.00	52.2
21:00	0.003781	6.9	6.0	.00	29.23	989.8	-1.8	.00	80.8
22:00	0.003794	7.1	6.0	.00	29.24	990.3	-3.0	.00	64.9
23:00	0.003785	6.9	6.0	.00	29.25	990.5	-2.1	.00	66.5
Avg	0.004782	8.1	7.6	.00	29.25	990.5	306.6	.44	65.0
Max	0.00679	11.1	10.7	.00	29.32	992.8	981.2	1.41	339.4
Hr. of Max	02	00	02	23	09	09	13	13	01
Min	0.003132	5.7	5.0	.00	29.21	989.2	-3.0	.00	13.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/11/2015

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	283.2	295.5	264.4	293.8	21.8	15.4	12.6	2.0	3.6
01:00	323.8	314.3	340.2	310.5	26.6	30.4	12.3	.4	1.8
02:00	60.1	41.6	45.0	36.5	44.5	28.2	20.7	.7	1.4
03:00	47.8	68.2	24.0	60.5	40.9	27.5	51.6	.2	.7
04:00	45.3	107.5	326.8	74.9	55.0	51.9	45.0	.2	.1
05:00	58.9	43.2	74.4	40.7	28.3	13.7	21.8	.4	.9
06:00	65.3	19.8	52.5	13.6	33.3	9.9	13.6	.2	1.4
07:00	63.7	28.4	74.0	22.4	35.7	13.2	13.0	.1	1.2
08:00	46.5	46.3	101.9	40.8	35.1	17.4	19.6	.3	.8
09:00	72.6	48.9	101.0	44.5	25.0	35.8	24.1	1.8	1.8
10:00	84.9	81.4	94.1	77.4	20.8	20.1	17.9	4.1	4.6
11:00	92.6	87.1	98.6	83.4	37.3	34.5	34.2	3.3	3.6
12:00	69.6	57.1	82.1	52.3	55.2	50.0	44.3	3.5	4.2
13:00	78.8	64.0	91.9	60.1	43.1	41.4	42.2	3.6	4.4
14:00	99.9	92.7	101.3	89.7	49.3	47.1	45.0	2.9	3.5
15:00	78.2	78.1	85.8	74.3	37.2	34.1	33.1	4.2	5.2
16:00	57.8	57.6	59.1	52.5	49.2	40.8	37.4	3.7	5.3
17:00	78.0	76.5	78.8	72.5	26.1	19.7	15.8	5.9	7.8
18:00	73.7	69.8	78.7	65.7	29.4	23.9	23.7	3.6	5.3
19:00	64.6	67.6	55.8	63.2	23.4	15.4	11.9	2.8	5.5
20:00	38.2	40.3	57.0	34.8	22.9	10.4	7.5	1.8	5.5
21:00	52.8	35.6	83.8	30.1	14.9	11.4	9.9	1.9	4.2
22:00	56.3	62.2	67.0	58.1	26.2	8.2	4.1	1.4	4.2
23:00	45.8	60.4	71.9	56.3	16.9	7.2	3.8	1.1	4.0
Avg	60.0	55.0	68.0	49.0	33.3	25.3	23.5	.0	.0
Max	323.8	314.3	340.2	310.5	55.2	51.9	51.6	5.9	7.8
Hr. of Max	01	01	01	01	12	04	03	17	17
Min	38.2	19.8	24.0	13.6	14.9	7.2	3.8	.1	.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/11/2015

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	5.4	2.2	3.8	5.5	2.5	5.5	-1.1	-.4	-.09
01:00	4.3	.8	2.3	4.5	1.1	4.5	2.5	1.8	.04
02:00	2.3	1.2	1.6	2.7	1.5	3.1	3.2	.8	.10
03:00	1.3	.4	.8	1.3	.7	1.7	2.0	-.2	.03
04:00	.1	.4	.2	.1	.7	.5	2.5	-.8	.03
05:00	.4	.4	.9	.4	.8	.9	1.7	-.5	.02
06:00	1.9	.2	1.4	2.0	.7	2.4	1.0	1.2	.01
07:00	1.3	.2	1.3	1.6	.6	2.0	2.7	1.6	.04
08:00	1.2	.4	.9	1.7	.9	2.0	7.1	-1.4	.17
09:00	2.8	2.0	2.1	3.1	2.5	3.6	1.1	6.2	.05
10:00	5.2	4.3	4.8	5.4	4.9	5.9	-.5	-1.5	-.10
11:00	3.9	3.6	4.0	4.3	4.2	4.9	-3.9	-6.1	-.18
12:00	4.9	4.8	5.6	6.2	5.4	6.9	-1.4	.1	-.23
13:00	4.7	4.8	5.6	5.8	5.7	6.6	.1	1.4	.12
14:00	4.0	4.4	5.1	5.4	5.1	6.1	.9	2.9	-.01
15:00	6.2	5.2	6.3	7.4	5.9	8.1	-1.6	-2.1	-.20
16:00	6.0	5.1	6.5	7.1	5.8	7.7	-2.1	-3.6	-.35
17:00	8.8	6.4	8.2	9.2	7.0	9.7	-.9	-.7	-.25
18:00	6.2	4.0	5.8	6.6	4.7	7.1	-.9	2.4	-.17
19:00	7.0	3.2	5.9	7.3	3.6	7.7	-3.9	.8	-.31
20:00	8.2	2.0	5.6	8.3	2.3	8.7	-1.5	.5	-.13
21:00	5.9	2.0	4.4	6.0	2.3	6.4	.9	2.1	.01
22:00	6.7	1.6	4.3	6.8	1.7	7.1	.1	-.5	-.01
23:00	6.5	1.2	4.0	6.5	1.5	6.8	.9	-.7	.02
Avg	.0	2.5	3.8	4.8	3.0	5.2	.4	.1	-.06
Max	8.8	6.4	8.2	9.2	7.0	9.7	7.1	6.2	.17
Hr. of Max	17	17	17	17	17	17	08	09	08
Min	.1	.2	.2	.1	.6	.5	-3.9	-6.1	-.35
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/11/2015

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	-.16	6.9	9.2	16.0	7.4	12.6	11.5	9.4
01:00	.06	3.7	6.6	13.1	5.2	9.1	18.3	9.5
02:00	.05	3.0	3.9	6.4	3.2	6.4	12.7	8.2
03:00	.01	3.2	5.7	8.5	2.5	4.7	9.5	8.4
04:00	-.01	3.0	2.3	2.1	2.4	1.8	8.7	13.9
05:00	-.02	1.6	2.1	1.8	1.9	2.3	8.8	18.5
06:00	.06	1.4	2.7	3.4	1.9	3.7	9.6	4.2
07:00	.07	1.1	2.5	3.4	1.7	4.1	9.3	4.5
08:00	-.07	2.3	1.8	3.4	2.9	3.7	20.8	7.1
09:00	.36	7.3	7.6	7.6	8.1	8.9	22.0	19.7
10:00	-.19	10.1	11.0	10.1	9.7	10.9	16.6	15.3
11:00	-.44	13.3	9.8	10.5	10.2	11.5	22.4	24.1
12:00	-.14	13.1	14.7	15.3	12.6	16.4	21.4	23.3
13:00	.06	14.0	15.3	14.9	16.9	15.9	22.0	24.2
14:00	.23	18.8	23.1	22.0	12.1	15.5	21.2	22.8
15:00	-.23	12.1	14.0	15.6	13.4	15.6	19.8	18.0
16:00	-.48	16.3	19.5	16.9	18.0	17.7	20.0	19.5
17:00	-.19	22.7	23.1	23.6	15.5	16.8	16.1	11.4
18:00	.19	10.5	13.7	16.5	11.9	13.7	19.0	15.9
19:00	.00	13.1	22.2	18.3	11.7	12.3	15.9	8.7
20:00	.03	5.5	12.6	14.0	7.4	14.5	16.2	5.9
21:00	.20	6.2	10.8	17.6	5.4	11.3	12.2	7.4
22:00	-.06	5.5	12.4	11.2	3.5	8.9	9.4	2.2
23:00	-.08	3.0	7.1	12.8	3.6	10.0	8.4	2.0
Avg	-.03	8.2	10.6	11.9	7.9	10.3	15.5	12.7
Max	.36	22.7	23.1	23.6	18.0	17.7	22.4	24.2
Hr. of Max	09	17	17	17	16	16	11	13
Min	-.48	1.1	1.8	1.8	1.7	1.8	8.4	2.0
Count	24	24	24	24	24	24	24	24
Total								