Date Printed: 09/15/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/14/2015

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	9.4	10.5	11.3	11.8	1.11	1.85	2.35	.73	1.23
01:00	8.8	10.0	10.5	10.9	1.21	1.67	2.11	.45	.90
02:00	8.4	9.8	10.2	10.7	1.35	1.76	2.29	.40	.94
03:00	8.2	9.6	9.8	10.2	1.41	1.60	2.02	.18	.60
04:00	7.9	9.4	9.5	9.7	1.49	1.65	1.88	.15	.39
05:00	7.6	8.5	9.1	9.3	.92	1.49	1.71	.57	.79
06:00	8.8	8.7	8.9	9.1	-.08	.15	.34	.23	.43
07:00	9.7	9.5	9.4	9.4	-.14	-.32	-.31	-.18	-.17
08:00	9.8	9.5	9.3	9.3	-.28	-.49	-.53	-.21	-.25
09:00	11.4	10.9	10.6	10.6	-.55	-.84	-.80	-.29	-.25
10:00	14.8	13.6	12.7	13.2	-1.23	-2.14	-1.61	-.91	-.38
11:00	17.7	16.8	16.2	16.2	-.85	-1.53	-1.47	-.67	-.61
12:00	19.5	18.5	18.2	18.0	-.97	-1.27	-1.45	-.30	-.48
13:00	21.4	20.2	19.8	19.7	-1.14	-1.54	-1.70	-.40	-.56
14:00	22.2	21.0	20.7	20.6	-1.19	-1.49	-1.58	-.30	-.39
15:00	22.7	21.7	21.4	21.2	-.94	-1.30	-1.43	-.36	-.49
16:00	23.2	22.3	22.0	21.9	-.91	-1.24	-1.39	-.33	-.48
17:00	23.2	22.7	22.4	22.2	-.57	-.85	-1.00	-.28	-.43
18:00	21.3	22.0	22.1	22.1	.76	.85	.84	.09	.08
19:00	17.0	18.9	20.6	21.1	1.83	3.52	4.03	1.69	2.20
20:00	14.4	16.7	17.6	18.3	2.25	3.17	3.82	.92	1.56
21:00	13.3	15.4	15.8	16.8	2.05	2.46	3.52	.42	1.47
22:00	12.5	14.2	14.6	15.5	1.68	2.05	3.02	.37	1.34
23:00	12.0	13.4	13.8	14.9	1.46	1.85	2.92	.39	1.46
Avg	14.4	14.7	14.9	15.1	.36	.46	.73	.10	.37
Max	23.2	22.7	22.4	22.2	2.25	3.52	4.03	1.69	2.20
Hr. of Max	17	17	17	17	20	19	19	19	19
Min	7.6	8.5	8.9	9.1	-1.23	-2.14	-1.70	-.91	-.61
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/14/2015

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	8.2	9.1	8.6	22.2	92.8	92.1	8.3	8.9	0.006896
01:00	7.7	9.0	8.1	22.0	93.4	94.3	8.1	8.8	0.006668
02:00	7.3	8.8	7.7	21.9	93.7	94.9	7.9	8.7	0.006503
03:00	7.1	8.7	7.5	21.7	93.8	94.8	7.8	8.6	0.006412
04:00	6.8	8.4	7.1	21.5	93.9	95.0	7.6	8.5	0.00627
05:00	6.6	7.7	6.9	21.3	94.3	95.5	7.5	8.1	0.00618
06:00	8.0	8.0	8.3	21.1	96.2	96.5	8.3	8.3	0.006821
07:00	9.0	8.9	9.2	21.0	96.7	97.0	8.8	8.8	0.007284
08:00	8.9	8.9	9.2	20.8	95.6	97.0	8.8	8.7	0.00725
09:00	9.4	9.3	10.1	20.7	88.3	91.3	9.0	9.0	0.007475
10:00	9.9	8.7	11.6	20.6	73.6	73.0	9.2	8.5	0.007773
11:00	10.0	9.3	12.5	20.6	61.6	62.1	9.2	8.8	0.007813
12:00	9.7	8.9	13.0	20.7	54.2	54.5	9.0	8.5	0.00769
13:00	8.8	7.9	13.0	20.9	45.5	45.9	8.4	8.0	0.00726
14:00	8.2	7.4	12.9	21.2	41.7	42.4	8.1	7.7	0.007
15:00	8.1	7.1	12.9	21.5	40.1	39.7	8.0	7.5	0.006931
16:00	8.5	7.2	13.4	21.7	39.7	38.6	8.2	7.6	0.007123
17:00	8.5	7.5	13.4	21.9	39.9	38.4	8.2	7.7	0.007134
18:00	10.0	8.3	13.8	22.0	50.2	42.3	9.2	8.1	0.007908
19:00	11.5	10.1	13.3	22.1	71.1	57.7	10.2	9.2	0.008659
20:00	10.8	10.2	12.0	22.2	79.7	66.7	9.8	9.4	0.008228
21:00	10.7	11.3	11.6	22.2	85.3	77.9	9.8	10.1	0.00818
22:00	10.6	11.5	11.2	22.1	89.3	85.3	9.7	10.3	0.008121
23:00	10.4	11.5	10.9	22.0	91.2	89.1	9.6	10.3	0.008011
Avg	8.9	8.9	10.8	21.5	75.1	73.4	8.7	8.7	0.007316
Max	11.5	11.5	13.8	22.2	96.7	97.0	10.2	10.3	0.008659
Hr. of Max	19	23	18	21	07	08	19	23	19
Min	6.6	7.1	6.9	20.6	39.7	38.4	7.5	7.5	0.00618
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/14/2015

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	0.007373	10.9	11.6	.00	29.24	990.2	-2.5	.00	307.8
01:00	0.007302	10.5	11.5	.00	29.25	990.5	-2.3	.00	286.9
02:00	0.007216	10.2	11.4	.00	29.25	990.6	-1.9	.00	320.1
03:00	0.007137	10.1	11.2	.00	29.26	990.8	-2.1	.00	36.6
04:00	0.007015	9.9	11.1	.00	29.26	991.0	-2.6	.00	35.0
05:00	0.006657	9.8	10.5	.00	29.27	991.4	-2.2	.00	262.7
06:00	0.006802	10.8	10.7	.00	29.30	992.1	-2.3	.00	274.7
07:00	0.007238	11.5	11.4	.00	29.32	992.8	10.2	.01	52.3
08:00	0.007219	11.5	11.4	.00	29.35	993.8	91.5	.13	58.4
09:00	0.007443	11.8	11.8	.00	29.37	994.5	370.9	.53	69.4
10:00	0.007119	12.3	11.3	.00	29.38	994.9	635.7	.91	90.3
11:00	0.007451	12.3	11.8	.00	29.39	995.2	781.8	1.12	83.8
12:00	0.007273	12.1	11.5	.00	29.38	994.8	869.3	1.25	73.4
13:00	0.006821	11.5	10.8	.00	29.36	994.4	908.9	1.30	210.8
14:00	0.006611	11.1	10.5	.00	29.35	993.9	885.7	1.27	236.8
15:00	0.006486	10.9	10.3	.00	29.33	993.3	793.9	1.14	119.2
16:00	0.00654	11.2	10.3	.00	29.31	992.7	648.2	.93	128.5
17:00	0.006638	11.3	10.5	.00	29.30	992.4	326.8	.47	154.3
18:00	0.007031	12.5	11.1	.00	29.30	992.4	187.8	.27	229.6
19:00	0.0079	13.6	12.4	.00	29.30	992.2	19.2	.03	320.5
20:00	0.007944	13.0	12.5	.00	29.31	992.6	-2.6	.00	317.2
21:00	0.008525	12.9	13.4	.00	29.33	993.1	-1.3	.00	3.9
22:00	0.008662	12.8	13.6	.00	29.33	993.3	-1.3	.00	354.1
23:00	0.008608	12.6	13.6	.00	29.35	993.9	-1.3	.00	347.8
Avg	0.007292	11.5	11.5	.00	29.32	992.8	271.1	.39	7.0
Max	0.008662	13.6	13.6	.00	29.39	995.2	908.9	1.30	354.1
Hr. of Max	22	19	23	23	11	11	13	13	22
Min	0.006486	9.8	10.3	.00	29.24	990.2	-2.6	.00	3.9
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/14/2015

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	74.2	55.7	296.9	52.8	40.1	12.2	7.4	.5	.9
01:00	149.1	150.2	285.9	151.8	29.9	48.0	42.0	.9	.3
02:00	60.9	34.1	319.8	30.1	49.1	16.8	11.0	.4	1.5
03:00	73.5	53.3	32.2	48.6	33.0	9.1	9.0	.7	1.8
04:00	73.6	64.0	29.3	60.2	40.8	12.8	6.2	.6	1.6
05:00	134.5	108.7	263.0	102.2	47.6	59.0	38.1	1.5	.4
06:00	39.8	76.8	278.0	72.7	47.2	35.3	20.2	.6	1.0
07:00	53.5	56.2	56.7 +	52.8	31.0	18.1	17.3	1.6	3.3
08:00	58.7	52.6	67.7	48.4	37.7	26.7	18.7	1.6	2.6
09:00	69.8	65.8	72.7	62.4	24.4	20.8	21.4	2.5	3.0
10:00	73.1	60.9	93.5	58.2	35.0	30.2	37.6	2.3	2.9
11:00	64.1	53.2	87.7 +	52.0	51.8	38.6	34.5	2.2	2.5
12:00	74.3	66.4	78.0	62.2	59.5	57.1	55.8	1.3	1.6
13:00	230.6	239.7	215.3	242.7	65.5	64.1	58.8	1.7	1.9
14:00	240.7	232.5	247.6	233.1	53.5	49.6	52.4	1.9	2.1
15:00	134.0	136.9	125.6	136.5	47.1	42.6	42.4	2.4	2.5
16:00	131.8	127.7	132.2	126.2	39.8	28.3	26.9	2.4	2.6
17:00	137.8	121.7	155.3	120.6	43.5	36.9	46.1	1.3	1.5
18:00	129.2	128.4	217.0	127.1	40.4	14.8	12.1	.3	1.4
19:00	68.6	73.6	320.9	69.2	7.8	27.2	48.2	1.2	1.1
20:00	80.7	59.3	319.6	59.7	26.7	35.5	16.0	.7	.9
21:00	71.6	57.3	13.6	55.0	20.3	4.7	8.6	.9	1.6
22:00	71.5	54.8	13.3	51.7	24.9	5.3	7.3	.4	1.4
23:00	72.7	48.4	356.1	44.8	18.8	3.8	7.9	.6	1.3
Avg	88.0	77.0	13.0	74.0	38.1	29.1	26.9	.0	.0
Max	240.7	239.7	356.1	242.7	65.5	64.1	58.8	2.5	3.3
Hr. of Max	14	13	23	13	13	13	13	09	07
Min	39.8	34.1	13.3	30.1	7.8	3.8	6.2	.3	.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/14/2015

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	2.0	.9	1.0	2.1	1.2	2.3	-.1	.3	.00
01:00	.4	1.3	.8	.7	1.5	1.1	.9	-.7	.02
02:00	1.4	.6	1.6	1.4	.9	1.7	1.2	3.5	.01
03:00	2.4	.8	1.8	2.6	1.1	2.8	.5	2.7	.00
04:00	2.9	.9	1.6	2.9	1.2	3.1	2.0	-.4	.04
05:00	.7	1.7	.5	1.0	2.0	1.3	.9	-.3	.00
06:00	1.6	1.1	1.2	1.9	1.4	2.3	-1.5	-1.2	-.04
07:00	3.9	1.9	3.5	4.0	2.3	4.4	1.5	3.0	-.10
08:00	3.4	1.8	2.7	3.4	2.3	3.8	1.2	4.4	-.02
09:00	3.3	2.9	3.4	3.5	3.4	3.9	-1.1	4.4	-.11
10:00	3.2	3.0	3.4	3.6	3.6	4.2	-1.6	9.1	-.16
11:00	2.9	2.9	3.1	3.4	3.6	4.0	1.4	10.4	.07
12:00	1.5	2.4	2.3	2.2	3.1	3.1	-12.6	-19.8	-.72
13:00	2.0	3.3	3.7	3.7	3.9	4.4	2.8	-2.8	.07
14:00	2.0	3.1	3.1	2.9	3.8	3.6	-2.3	-7.8	-.20
15:00	2.4	3.0	3.1	3.0	3.8	3.8	4.6	.0	.29
16:00	2.6	3.0	3.0	2.9	3.6	3.6	6.7	5.2	.40
17:00	1.4	2.0	2.1	2.2	2.7	2.8	2.8	9.8	.07
18:00	2.2	1.1	1.5	2.2	1.6	2.8	12.3	9.5	.34
19:00	.9	1.2	1.2	1.1	1.3	1.4	-2.5	1.5	-.06
20:00	1.1	.9	1.0	1.2	1.1	1.5	-.9	.3	-.02
21:00	1.9	1.0	1.6	2.0	1.2	2.2	1.8	.7	.01
22:00	2.4	.5	1.5	2.4	.7	2.7	3.6	.6	.05
23:00	2.1	.7	1.3	2.1	.9	2.4	1.6	.3	.02
Avg	.0	1.8	2.1	2.4	2.2	2.9	1.0	1.4	.00
Max	3.9	3.3	3.7	4.0	3.9	4.4	12.3	10.4	.40
Hr. of Max	07	13	13	07	13	13	18	11	16
Min	.4	.5	.5	.7	.7	1.1	-12.6	-19.8	-.72
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/14/2015

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	.02	2.3	3.7	4.1	2.5	4.3	6.9	3.3
01:00	-.01	3.0	2.3	2.3	3.3	2.3	6.1	6.0
02:00	.10	4.6	4.4	2.7	2.9	2.9	7.9	6.3
03:00	.13	2.3	4.1	4.1	2.7	4.1	6.8	4.2
04:00	.00	2.7	3.4	5.7	3.2	4.8	6.8	4.2
05:00	.01	5.5	2.7	2.5	4.8	2.9	8.0	7.1
06:00	-.04	3.0	5.3	5.7	3.4	6.7	13.8	9.3
07:00	.11	5.5	7.6	7.6	6.5	8.1	23.8	13.1
08:00	.17	6.6	6.6	9.4	6.4	7.9	25.6	17.2
09:00	.22	6.6	9.4	7.3	7.9	8.7	18.8	20.5
10:00	.63	8.0	9.8	9.6	10.1	10.4	23.3	25.6
11:00	.72	8.5	8.5	8.9	10.4	9.9	25.9	27.8
12:00	-1.46	14.2	8.9	8.9	11.2	8.1	29.1	34.4
13:00	-.27	9.6	11.9	12.6	9.5	13.1	25.4	28.6
14:00	-.57	8.0	8.7	13.1	9.1	9.2	25.4	31.0
15:00	.12	10.5	9.6	8.7	10.9	9.4	23.6	30.2
16:00	.54	8.5	8.2	6.9	9.2	8.3	21.1	29.5
17:00	.61	8.2	6.6	8.9	8.1	9.2	26.1	31.3
18:00	.51	3.7	4.4	4.6	5.2	5.4	19.7	14.8
19:00	.04	3.2	3.4	2.7	2.5	2.7	7.8	6.1
20:00	.01	2.1	4.4	4.4	2.1	3.0	6.9	5.3
21:00	.03	2.5	3.0	3.0	2.8	3.3	7.1	3.5
22:00	.04	1.8	3.2	4.8	1.9	3.9	8.9	2.8
23:00	.02	1.8	2.7	5.5	2.1	3.5	7.2	3.0
Avg	.07	5.5	6.0	6.4	5.8	6.3	15.9	15.2
Max	.72	14.2	11.9	13.1	11.2	13.1	29.1	34.4
Hr. of Max	11	12	13	14	12	13	12	12
Min	-1.46	1.8	2.3	2.3	1.9	2.3	6.1	2.8
Count	24	24	24	24	24	24	24	24
Total								