Date Printed: 09/16/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/15/2015

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	11.6	13.0	13.3	14.1	1.46	1.78	2.51	.32	1.04
01:00	11.0	12.2	12.8	13.7	1.18	1.78	2.70	.60	1.52
02:00	11.0	12.2	12.5	13.2	1.26	1.51	2.23	.25	.98
03:00	10.8	12.1	12.3	12.8	1.34	1.55	1.98	.21	.63
04:00	10.4	12.0	12.1	12.4	1.60	1.73	2.03	.14	.43
05:00	10.5	11.7	11.8	12.1	1.26	1.36	1.64	.10	.38
06:00	10.7	11.5	11.6	11.9	.86	.94	1.24	.08	.39
07:00	11.1	11.3	11.3	11.5	.23	.20	.34	-.03	.11
08:00	12.2	11.9	11.7	11.7	-.29	-.51	-.48	-.21	-.18
09:00	15.2	14.7	14.2	14.1	-.53	-1.02	-1.09	-.49	-.56
10:00	18.0	17.4	17.1	16.9	-.61	-.91	-1.08	-.30	-.47
11:00	20.6	19.7	19.4	19.2	-.92	-1.22	-1.40	-.30	-.48
12:00	22.8	21.8	21.4	21.2	-1.07	-1.46	-1.64	-.38	-.57
13:00	24.3	23.3	22.9	22.7	-1.05	-1.42	-1.63	-.37	-.58
14:00	25.3	24.2	23.8	23.6	-1.07	-1.45	-1.64	-.38	-.57
15:00	25.7	24.9	24.5	24.3	-.83	-1.21	-1.38	-.38	-.56
16:00	26.1	25.4	25.0	24.8	-.69	-1.03	-1.21	-.35	-.52
17:00	26.1	25.6	25.3	25.2	-.47	-.78	-.93	-.31	-.46
18:00	23.8	24.6	25.1	25.1	.82	1.35	1.37	.53	.55
19:00	19.8	21.4	23.2	24.1	1.56	3.33	4.23	1.77	2.67
20:00	17.3	19.6	20.5	21.6	2.28	3.19	4.29	.91	2.01
21:00	16.1	18.1	18.7	19.8	1.98	2.59	3.71	.61	1.73
22:00	14.9	16.6	17.3	18.0	1.68	2.38	3.07	.70	1.40
23:00	14.7	15.9	16.8	17.9	1.23	2.09	3.19	.86	1.96
Avg	17.1	17.5	17.7	18.0	.47	.62	.92	.15	.45
Max	26.1	25.6	25.3	25.2	2.28	3.33	4.29	1.77	2.67
Hr. of Max	17	17	17	17	20	19	20	19	19
Min	10.4	11.3	11.3	11.5	-1.07	-1.46	-1.64	-.49	-.58
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/15/2015

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	10.2	11.4	10.6	21.9	92.4	90.9	9.5	10.2	0.007888
01:00	9.8	11.1	10.2	21.8	93.2	94.1	9.2	10.0	0.007669
02:00	9.9	11.2	10.2	21.7	93.9	94.4	9.3	10.1	0.00771
03:00	9.7	11.1	10.1	21.5	94.0	94.4	9.2	10.0	0.007621
04:00	9.3	10.9	9.6	21.4	94.0	94.8	8.9	10.0	0.007401
05:00	9.4	10.7	9.8	21.2	94.6	94.9	9.1	9.8	0.007495
06:00	9.8	10.5	10.1	21.1	95.6	94.9	9.3	9.7	0.007682
07:00	10.3	10.5	10.6	20.9	96.0	95.7	9.6	9.7	0.007937
08:00	11.2	11.0	11.5	20.8	95.1	95.7	10.1	10.0	0.00844
09:00	12.2	11.5	13.2	20.7	83.5	82.3	10.7	10.2	0.009003
10:00	12.5	11.9	14.3	20.6	71.8	71.4	10.9	10.4	0.009232
11:00	12.3	11.7	15.1	20.7	60.0	60.9	10.6	10.2	0.009103
12:00	12.5	11.6	15.9	20.8	53.1	53.5	10.7	10.1	0.009236
13:00	11.8	11.1	15.9	21.0	46.5	47.3	10.2	9.8	0.008847
14:00	11.3	10.7	15.9	21.3	42.5	43.6	9.8	9.5	0.008586
15:00	11.2	10.5	16.0	21.6	41.1	41.4	9.8	9.4	0.008536
16:00	10.6	9.9	15.7	21.8	38.8	38.6	9.4	9.0	0.00821
17:00	10.9	10.0	16.0	22.0	39.5	38.4	9.6	9.1	0.008385
18:00	12.9	11.3	16.5	22.2	52.5	44.8	11.0	9.9	0.009582
19:00	14.3	13.2	16.1	22.3	71.8	60.6	12.1	11.2	0.010407
20:00	13.7	13.5	14.9	22.4	80.9	69.3	11.8	11.5	0.010018
21:00	13.5	13.9	14.3	22.4	85.8	78.2	11.6	11.9	0.009835
22:00	13.0	14.0	13.7	22.3	89.9	86.1	11.3	12.0	0.009549
23:00	13.2	14.2	13.7	22.3	91.9	91.2	11.4	12.2	0.009624
Avg	11.5	11.6	13.3	21.5	74.9	73.2	10.2	10.2	0.008667
Max	14.3	14.2	16.5	22.4	96.0	95.7	12.1	12.2	0.010407
Hr. of Max	19	23	18	21	07	08	19	23	19
Min	9.3	9.9	9.6	20.6	38.8	38.4	8.9	9.0	0.007401
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/15/2015

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	0.008546	12.5	13.5	.00	29.36	994.3	-1.4	.00	352.4
01:00	0.008372	12.1	13.2	.00	29.37	994.7	-2.0	.00	260.7
02:00	0.008422	12.2	13.3	.00	29.38	994.9	-2.9	.00	48.5
03:00	0.008368	12.0	13.2	.00	29.38	994.9	-2.9	.00	41.6
04:00	0.008298	11.7	13.1	.00	29.39	995.2	-2.8	.00	61.0
05:00	0.008174	11.9	12.9	.00	29.40	995.5	-2.7	.00	52.3
06:00	0.00807	12.2	12.8	.00	29.41	996.0	-2.3	.00	49.1
07:00	0.008035	12.6	12.7	.00	29.43	996.7	12.6	.02	50.6
08:00	0.008327	13.3	13.2	.00	29.45	997.2	150.1	.22	69.2
09:00	0.008577	14.2	13.6	.00	29.46	997.5	432.8	.62	76.7
10:00	0.008827	14.6	14.0	.00	29.46	997.6	614.6	.88	72.7
11:00	0.008734	14.4	13.8	.00	29.45	997.5	773.3	1.11	82.4
12:00	0.00871	14.6	13.8	.00	29.44	997.0	859.8	1.23	121.0
13:00	0.008455	14.0	13.4	.00	29.42	996.4	892.5	1.28	80.3
14:00	0.008241	13.6	13.0	.00	29.40	995.7	871.7	1.25	99.3
15:00	0.008168	13.5	12.9	.00	29.38	994.9	774.3	1.11	94.7
16:00	0.00784	13.0	12.4	.00	29.37	994.5	631.5	.91	105.0
17:00	0.007917	13.2	12.5	.00	29.36	994.2	280.7	.40	60.2
18:00	0.008642	15.1	13.6	.00	29.35	994.1	170.2	.24	289.7
19:00	0.009676	16.4	15.2	.00	29.35	994.1	21.6	.03	301.0
20:00	0.00989	15.8	15.6	.00	29.37	994.5	-1.4	.00	320.6
21:00	0.010154	15.5	16.0	.00	29.38	995.0	-1.4	.00	357.8
22:00	0.010193	15.0	16.0	.00	29.39	995.2	-1.3	.00	271.6
23:00	0.010339	15.2	16.3	.00	29.40	995.7	-1.6	.00	283.1
Avg	0.008707	13.7	13.8	.00	29.40	995.6	269.3	.39	46.0
Max	0.010339	16.4	16.3	.00	29.46	997.6	892.5	1.28	357.8
Hr. of Max	23	19	23	23	10	10	13	13	21
Min	0.00784	11.7	12.4	.00	29.35	994.1	-2.9	.00	41.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/15/2015

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	77.3	63.9	354.9	61.4	23.8	10.8	6.1	.6	1.4
01:00	358.5	293.7	249.1	291.8	50.0	42.9	40.4	.9	.6
02:00	64.5	41.7	54.4	37.5	29.0	9.7	10.6	1.0	2.5
03:00	61.1	65.7	42.0	62.5	23.0	9.5	7.2	.9	2.4
04:00	74.4	53.9	58.7	50.4	30.9	10.2	6.7	.8	1.8
05:00	68.1	58.8	54.9	55.5	15.3	7.6	4.7	1.4	2.6
06:00	58.4	68.3	51.2	64.6	12.5	5.5	5.3	1.9	3.6
07:00	58.2	62.2	51.8	58.2	18.7	11.3	7.1	2.3	4.1
08:00	66.1	59.7	72.7	55.8	22.6	15.2	10.3	2.3	3.4
09:00	66.0	53.7	80.6	50.9	26.9	24.4	19.2	3.1	3.5
10:00	70.2	60.3	77.0	57.5	30.7	25.1	22.5	3.4	3.8
11:00	75.3	69.4	83.0	65.4	38.2	27.9	25.8	3.4	4.0
12:00	114.6	110.9	125.3	106.3	47.4	44.8	37.7	1.6	2.0
13:00	64.3	60.4	77.1	58.1	65.3	57.4	56.5	1.4	2.1
14:00	93.7	100.2	104.7	96.1	55.3	43.8	43.9	1.4	2.1
15:00	88.8	85.2	97.0	81.4	58.0	49.5	43.6	3.0	3.5
16:00	108.5	105.6	111.1	102.7	54.5	46.0	46.2	1.8	2.3
17:00	57.9	49.4	65.8	46.8	50.2	45.0	40.2	1.6	2.4
18:00	242.2	235.0	286.2	236.5	40.7	33.3	34.0	.5	.9
19:00	240.7	283.6	301.3	282.8	20.8	28.1	32.1	.6	1.0
20:00	82.9	325.6	322.1	329.4	23.5	11.2	51.3	.6	.5
21:00	75.6	37.7	11.5	47.9	31.6	26.4	18.2	.7	1.4
22:00	149.0	107.3	275.2	108.1	45.0	37.0	32.1	1.2	.6
23:00	271.6	221.8	283.8	217.1	38.5	53.2	33.7	1.1	1.2
Avg	75.0	62.0	50.0	59.0	35.5	28.2	26.5	.0	.0
Max	358.5	325.6	354.9	329.4	65.3	57.4	56.5	3.4	4.1
Hr. of Max	01	20	00	20	13	13	13	11	07
Min	57.9	37.7	11.5	37.5	12.5	5.5	4.7	.5	.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/15/2015

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	.7	1.4	2.7	.9	3.0	1.4	1.3	.02
01:00	.8	1.0	1.6	1.4	1.2	1.6	-.2	.5	-.04
02:00	2.9	1.1	2.5	3.2	1.3	3.5	.8	4.0	.00
03:00	3.9	1.0	2.5	3.9	1.2	4.1	1.4	2.9	.02
04:00	2.8	.9	1.9	2.8	1.1	3.1	1.9	2.0	.04
05:00	3.9	1.4	2.6	4.0	1.6	4.2	.2	2.2	-.01
06:00	4.3	1.9	3.6	4.3	2.0	4.5	-1.1	.3	-.09
07:00	5.4	2.5	4.1	5.5	2.7	5.8	-2.8	-2.1	-.21
08:00	4.6	2.6	3.6	4.6	2.8	4.9	.8	1.0	-.01
09:00	4.2	3.4	3.8	4.4	4.1	4.9	3.7	9.6	.23
10:00	4.2	3.9	4.2	4.5	4.3	5.0	.4	7.5	-.11
11:00	4.4	4.3	4.7	4.8	4.8	5.3	-3.1	-1.8	-.32
12:00	2.3	2.9	3.0	3.1	3.6	3.8	-2.2	1.5	-.02
13:00	2.5	3.0	3.5	3.6	3.7	4.3	1.6	6.1	.10
14:00	2.5	3.4	4.3	5.0	4.0	5.6	-1.6	-.9	-.20
15:00	4.0	3.8	4.1	4.6	4.5	5.2	2.1	3.7	.05
16:00	2.5	2.9	3.4	3.8	3.6	4.5	-1.6	-3.3	-.10
17:00	2.8	2.5	3.0	3.2	2.9	3.7	6.1	7.8	.15
18:00	.9	1.5	2.1	2.0	1.8	2.3	3.4	1.9	.11
19:00	2.2	.7	1.5	2.3	1.0	2.4	2.2	1.0	.01
20:00	.1	.8	.5	.3	1.0	.6	.8	-1.2	.01
21:00	1.0	1.0	1.5	1.1	1.1	1.4	1.1	.9	.01
22:00	.8	1.6	.9	1.8	1.9	2.0	1.0	1.8	.04
23:00	2.2	1.7	2.1	2.4	1.9	2.7	1.2	-.7	-.02
Avg	.0	2.1	2.8	3.3	2.5	3.7	.7	1.9	-.01
Max	5.4	4.3	4.7	5.5	4.8	5.8	6.1	9.6	.23
Hr. of Max	07	11	11	07	11	07	17	09	09
Min	.1	.7	.5	.3	.9	.6	-3.1	-3.3	-.32
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/15/2015

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	.08	2.3	2.7	4.8	2.5	4.7	6.1	3.8
01:00	.02	3.9	3.4	3.7	4.8	3.9	8.9	8.4
02:00	.23	3.0	4.6	5.7	3.6	5.5	9.3	4.5
03:00	.20	4.1	8.2	10.1	4.2	6.5	9.0	4.0
04:00	.10	3.9	5.0	6.2	2.2	4.4	8.5	4.5
05:00	.13	3.7	5.3	6.4	4.0	6.6	7.1	3.7
06:00	.02	5.0	8.7	9.4	4.1	6.4	10.2	3.0
07:00	-.21	5.7	8.5	11.2	6.3	8.9	15.1	6.4
08:00	.03	6.4	6.9	11.4	6.3	8.2	19.5	9.5
09:00	.77	9.6	9.6	9.2	9.8	9.6	19.9	18.5
10:00	.54	10.5	9.6	10.3	11.4	10.1	21.4	21.1
11:00	-.25	10.5	12.8	14.7	10.5	11.0	20.3	22.2
12:00	.10	8.5	8.7	8.5	9.8	9.0	27.2	29.7
13:00	.51	8.9	9.8	9.4	8.4	9.6	26.9	28.2
14:00	.02	8.5	11.7	11.2	10.0	11.9	24.3	23.7
15:00	.17	11.2	11.0	10.8	13.5	11.7	24.9	26.4
16:00	-.30	8.9	10.5	13.7	10.7	12.7	26.9	26.6
17:00	.20	7.3	7.6	7.8	7.8	8.5	25.4	25.1
18:00	.02	6.2	8.2	7.8	4.2	4.8	13.4	14.8
19:00	.08	3.2	4.4	4.4	2.3	4.1	12.2	10.2
20:00	-.02	2.1	2.3	1.4	2.4	1.7	7.7	9.5
21:00	.03	2.5	3.7	3.9	2.6	4.2	7.5	4.8
22:00	.07	4.6	7.1	7.3	5.4	7.7	8.4	10.3
23:00	-.06	8.0	9.8	10.5	5.8	8.0	9.0	9.6
Avg	.10	6.2	7.5	8.3	6.4	7.5	15.4	13.7
Max	.77	11.2	12.8	14.7	13.5	12.7	27.2	29.7
Hr. of Max	09	15	11	11	15	16	12	12
Min	-.30	2.1	2.3	1.4	2.2	1.7	6.1	3.0
Count	24	24	24	24	24	24	24	24
Total								