Date Printed: 08/28/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/27/2015

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	17.0	17.8	18.0	18.3	.85	1.02	1.30	.16	.45
01:00	16.7	17.6	17.8	18.3	.89	1.14	1.55	.26	.67
02:00	16.3	17.4	17.5	17.8	1.12	1.26	1.56	.14	.44
03:00	16.2	16.9	17.1	17.5	.77	.92	1.33	.15	.57
04:00	16.4	17.0	17.2	17.6	.57	.70	1.10	.14	.54
05:00	16.2	16.8	17.0	17.3	.62	.74	1.05	.12	.44
06:00	16.0	16.7	16.8	17.1	.73	.82	1.09	.09	.36
07:00	16.3	16.8	16.9	17.1	.52	.65	.82	.13	.31
08:00	18.0	18.0	17.9	17.8	.00	-.13	-.22	-.14	-.22
09:00	19.8	19.4	19.0	18.8	-.44	-.77	-.97	-.33	-.53
10:00	20.7	20.2	19.8	19.6	-.56	-.92	-1.14	-.37	-.58
11:00	22.4	21.7	21.2	20.9	-.76	-1.22	-1.49	-.46	-.73
12:00	24.5	23.5	23.1	22.8	-1.01	-1.36	-1.63	-.35	-.62
13:00	25.6	24.7	24.3	24.1	-.92	-1.31	-1.55	-.39	-.63
14:00	26.8	25.7	25.3	25.1	-1.06	-1.49	-1.75	-.43	-.68
15:00	27.4	26.5	26.1	25.9	-.95	-1.32	-1.53	-.37	-.58
16:00	27.6	26.8	26.5	26.3	-.82	-1.16	-1.34	-.35	-.52
17:00	27.6	27.1	26.8	26.6	-.60	-.88	-1.02	-.29	-.42
18:00	26.8	26.7	26.5	26.5	-.11	-.25	-.31	-.14	-.20
19:00	23.6	24.9	25.7	25.8	1.25	2.04	2.22	.79	.97
20:00	21.4	22.9	24.0	24.4	1.51	2.63	3.03	1.12	1.53
21:00	20.2	21.9	22.4	22.8	1.72	2.16	2.55	.44	.83
22:00	19.7	21.4	21.6	21.9	1.65	1.85	2.20	.20	.55
23:00	19.7	21.0	21.2	21.5	1.23	1.43	1.74	.20	.51
Avg	21.0	21.2	21.2	21.3	.26	.27	.36	.01	.10
Max	27.6	27.1	26.8	26.6	1.72	2.63	3.03	1.12	1.53
Hr. of Max	17	17	17	17	21	20	20	20	20
Min	16.0	16.7	16.8	17.1	-1.06	-1.49	-1.75	-.46	-.73
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/27/2015

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	13.0	12.9	14.3	23.6	78.7	74.3	11.2	11.2	0.009607
01:00	13.2	13.2	14.4	23.5	81.4	76.7	11.4	11.3	0.00976
02:00	13.2	13.2	14.2	23.4	83.5	77.9	11.4	11.4	0.009754
03:00	13.3	13.3	14.3	23.3	84.6	80.7	11.5	11.5	0.009812
04:00	13.4	13.3	14.4	23.2	83.4	80.0	11.5	11.4	0.009849
05:00	13.3	13.2	14.2	23.1	83.9	80.4	11.4	11.4	0.009771
06:00	13.1	13.0	14.1	23.0	84.5	80.1	11.3	11.3	0.009684
07:00	13.1	12.8	14.2	22.9	82.8	78.7	11.3	11.1	0.00966
08:00	13.3	12.7	14.9	22.8	75.3	72.2	11.4	11.0	0.009819
09:00	13.2	12.5	15.4	22.7	66.9	65.7	11.3	10.8	0.009746
10:00	13.2	12.6	15.7	22.6	63.1	62.9	11.2	10.9	0.009748
11:00	13.8	13.2	16.7	22.6	59.5	59.9	11.7	11.2	0.01018
12:00	13.8	13.0	17.3	22.7	52.5	52.9	11.6	11.0	0.010177
13:00	14.0	13.4	17.9	22.8	49.7	50.4	11.7	11.3	0.010328
14:00	14.6	14.0	18.7	23.0	48.3	49.5	12.1	11.7	0.010763
15:00	14.8	14.2	19.0	23.2	47.3	48.0	12.3	11.8	0.010947
16:00	14.8	14.2	19.1	23.4	46.6	47.0	12.3	11.8	0.010921
17:00	14.4	14.1	18.8	23.6	45.4	46.0	11.9	11.7	0.010629
18:00	15.5	14.9	19.2	23.8	51.5	49.7	12.8	12.4	0.011409
19:00	16.9	16.2	19.1	23.9	67.6	60.0	14.1	13.5	0.012434
20:00	17.0	16.4	18.5	24.0	77.7	68.1	14.3	13.7	0.012492
21:00	16.7	16.4	17.9	24.1	81.7	72.1	14.1	13.7	0.012229
22:00	16.6	16.1	17.6	24.1	83.7	73.3	14.0	13.5	0.012151
23:00	15.4	14.9	16.9	24.1	77.8	69.6	13.0	12.5	0.011277
Avg	14.3	13.9	16.5	23.3	69.1	65.7	12.1	11.8	0.010548
Max	17.0	16.4	19.2	24.1	84.6	80.7	14.3	13.7	0.012492
Hr. of Max	20	21	18	23	03	03	20	21	20
Min	13.0	12.5	14.1	22.6	45.4	46.0	11.2	10.8	0.009607
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/27/2015

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	0.009575	15.0	15.0	.00	29.18	988.3	-1.8	.00	50.3
01:00	0.009733	15.3	15.2	.00	29.17	987.9	-3.1	.00	72.0
02:00	0.009771	15.2	15.3	.00	29.16	987.6	-2.5	.00	71.3
03:00	0.009823	15.3	15.3	.00	29.15	987.3	-3.2	.00	72.1
04:00	0.009795	15.4	15.3	.00	29.16	987.4	-2.0	.00	80.4
05:00	0.009732	15.3	15.2	.00	29.16	987.5	-.9	.00	75.6
06:00	0.009624	15.1	15.1	.00	29.17	987.8	-1.0	.00	72.4
07:00	0.009495	15.1	14.9	.00	29.18	988.3	36.5	.05	76.8
08:00	0.009414	15.4	14.7	.00	29.19	988.5	223.0	.32	72.5
09:00	0.009317	15.2	14.6	.00	29.19	988.6	485.1	.70	68.1
10:00	0.009384	15.3	14.7	.00	29.20	988.9	509.1	.73	60.8
11:00	0.009774	15.9	15.3	.00	29.21	989.1	730.2	1.05	69.6
12:00	0.009635	15.9	15.1	.00	29.20	988.7	899.2	1.29	80.7
13:00	0.009921	16.1	15.5	.00	29.18	988.3	920.4	1.32	72.4
14:00	0.01036	16.8	16.2	.00	29.17	987.8	915.8	1.31	62.4
15:00	0.010499	17.1	16.4	.00	29.14	986.9	828.5	1.19	85.6
16:00	0.010503	17.0	16.4	.00	29.12	986.2	701.4	1.01	65.3
17:00	0.010414	16.6	16.2	.00	29.13	986.4	465.6	.67	16.5
18:00	0.010971	17.8	17.1	.00	29.13	986.6	225.1	.32	338.3
19:00	0.011906	19.3	18.5	.00	29.13	986.6	68.9	.10	345.0
20:00	0.012012	19.4	18.7	.00	29.15	987.3	.9	.00	1.1
21:00	0.012	19.0	18.7	.00	29.17	987.9	-1.9	.00	22.8
22:00	0.011778	18.9	18.4	.00	29.19	988.5	-2.9	.00	44.1
23:00	0.010885	17.6	17.0	.00	29.19	988.5	-.9	.00	46.6
Avg	0.010263	16.5	16.0	.00	29.17	987.8	291.2	.42	56.0
Max	0.012012	19.4	18.7	.00	29.21	989.1	920.4	1.32	345.0
Hr. of Max	20	20	21	23	11	11	13	13	19
Min	0.009317	15.0	14.6	.00	29.12	986.2	-3.2	.00	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)

8/27/2015

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	59.2	59.1	53.0	55.3	19.7	9.6	5.6	2.5	5.8
01:00	56.7	44.5	74.6	39.9	14.6	13.0	9.2	2.5	4.5
02:00	64.7	52.7	73.2	48.8	16.7	12.4	9.1	2.5	4.6
03:00	66.9	52.9	75.8	49.1	16.1	12.2	9.0	2.6	4.6
04:00	71.8	51.6	83.7	47.7	12.5	10.9	10.1	3.0	4.3
05:00	68.6	52.5	77.4	48.7	14.4	10.6	8.8	2.6	4.1
06:00	69.0	54.8	74.7	51.3	15.7	10.7	9.2	2.6	4.5
07:00	68.8	53.3	80.8	49.8	18.6	14.7	10.5	2.9	4.8
08:00	59.2	55.3	76.4	51.5	25.0	18.8	12.5	4.2	6.5
09:00	57.8	52.7	69.7	48.8	29.8	20.4	14.5	4.9	7.6
10:00	57.3	56.1	62.6	52.2	33.1	20.9	13.3	4.5	8.1
11:00	61.1	58.0	70.0	54.4	31.2	21.7	15.6	4.6	7.0
12:00	68.1	61.8	83.1	58.4	26.1	27.1	23.4	5.9	6.5
13:00	69.5	62.5	74.6	59.1	32.4	25.5	23.8	4.6	5.6
14:00	58.5	53.9	61.5	49.2	57.0	44.8	34.7	3.0	4.3
15:00	77.1	67.1	89.5	63.6	30.6	27.5	25.9	3.7	4.4
16:00	64.4	53.7	73.5	50.1	50.6	40.5	37.6	2.6	3.5
17:00	31.0	23.7	18.3	19.2	49.4	42.8	37.8	2.1	3.2
18:00	5.2	7.1	339.7	1.7	25.0	19.4	15.8	1.6	2.7
19:00	27.3	31.5	348.6	25.3	23.2	8.3	7.5	1.4	4.2
20:00	22.0	27.1	18.4	20.2	28.1	7.2	5.8	.8	4.8
21:00	63.5	55.8	48.9	51.7	52.8	16.8	9.0	.9	2.7
22:00	70.8	61.9	51.1	58.6	28.0	10.2	8.9	1.3	2.9
23:00	59.7	60.4	49.2	56.7	17.4	8.9	5.8	2.4	5.3
Avg	57.0	50.0	60.0	46.0	27.8	19.0	15.1	.0	.0
Max	77.1	67.1	348.6	63.6	57.0	44.8	37.8	5.9	8.1
Hr. of Max	15	15	19	15	14	14	17	12	10
Min	5.2	7.1	18.3	1.7	12.5	7.2	5.6	.8	2.7
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)

8/27/2015

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	8.2	2.6	5.9	8.3	2.8	8.6	-6.1	.5	-.39
01:00	6.8	2.6	4.7	6.9	2.8	7.3	-1.0	3.3	-.07
02:00	6.5	2.6	4.8	6.6	2.9	6.9	-1.8	2.2	-.14
03:00	7.0	2.7	4.7	7.1	3.0	7.4	-4.1	2.3	-.25
04:00	6.2	3.1	4.4	6.3	3.3	6.7	-4.1	2.8	-.26
05:00	5.8	2.7	4.1	5.9	2.9	6.2	-4.8	1.1	-.28
06:00	6.3	2.7	4.6	6.4	3.0	6.7	-4.7	1.6	-.29
07:00	7.3	3.0	5.0	7.4	3.3	7.8	-2.9	2.9	-.21
08:00	9.2	4.6	6.8	9.4	5.0	9.8	.2	2.8	-.06
09:00	9.8	5.5	8.0	10.1	6.2	10.7	-.2	2.6	-.14
10:00	10.3	5.2	8.5	10.5	6.0	11.1	-.7	2.7	-.31
11:00	8.6	5.2	7.5	8.9	5.8	9.4	.1	3.0	-.22
12:00	7.6	6.4	7.1	8.2	7.3	8.8	1.0	8.8	.02
13:00	6.5	5.2	6.2	7.0	5.7	7.6	.2	4.0	-.06
14:00	5.2	4.3	5.5	6.1	4.9	6.6	1.6	-1.1	.03
15:00	5.0	4.2	5.0	5.6	4.9	6.2	2.3	5.6	.06
16:00	3.9	3.4	4.1	4.5	3.8	5.0	4.7	4.4	.12
17:00	3.7	2.8	3.7	4.1	3.2	4.7	-.8	4.1	-.26
18:00	3.3	1.8	3.0	3.6	2.2	3.9	-.7	-1.5	-.12
19:00	5.4	1.6	4.2	5.5	1.8	5.8	-5.7	1.2	-.20
20:00	7.1	1.0	4.9	7.1	1.3	7.4	.6	4.0	-.02
21:00	4.7	1.0	2.8	4.9	1.3	5.1	1.0	2.2	-.03
22:00	4.7	1.4	2.9	4.8	1.6	5.0	-.5	1.9	-.03
23:00	7.7	2.6	5.4	7.7	2.7	8.0	-5.5	.5	-.33
Avg	.0	3.3	5.2	6.8	3.7	7.2	-1.3	2.6	-.14
Max	10.3	6.4	8.5	10.5	7.3	11.1	4.7	8.8	.12
Hr. of Max	10	12	10	10	12	10	16	12	16
Min	3.3	1.0	2.8	3.6	1.3	3.9	-6.1	-1.5	-.39
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/27/2015

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	.06	5.5	12.1	19.5	6.4	11.8	13.8	4.0
01:00	.39	6.4	10.1	14.4	6.1	13.9	11.3	7.8
02:00	.24	6.2	9.8	14.9	6.3	13.4	11.6	7.1
03:00	.27	6.4	9.2	13.7	6.3	13.4	11.6	6.8
04:00	.28	8.0	8.5	12.4	8.0	12.7	10.6	8.0
05:00	.09	5.0	8.9	12.4	6.2	12.6	10.5	7.2
06:00	.15	5.7	8.9	12.4	5.7	13.3	12.2	6.6
07:00	.34	8.0	11.0	16.3	7.9	16.1	13.6	7.9
08:00	.33	11.7	15.3	22.4	12.7	17.8	18.9	11.0
09:00	.21	13.7	17.2	18.3	16.9	19.3	19.3	13.0
10:00	.29	12.8	20.6	25.4	16.5	18.1	22.9	13.4
11:00	.35	11.9	14.4	15.3	12.8	15.2	22.4	13.3
12:00	1.03	15.8	17.4	21.3	18.1	22.6	17.2	18.0
13:00	.32	13.3	14.0	16.5	14.3	16.1	21.9	19.0
14:00	-.16	15.6	14.0	11.9	11.7	13.2	23.9	19.9
15:00	.55	12.1	12.1	16.3	11.6	12.6	21.5	19.0
16:00	.25	10.8	13.3	13.5	9.6	11.6	26.3	21.7
17:00	.13	7.8	8.7	8.7	9.4	9.4	26.1	24.5
18:00	-.13	6.2	7.8	15.3	7.0	8.6	21.7	11.4
19:00	.13	4.8	8.7	9.2	4.2	9.9	11.3	4.8
20:00	.49	3.7	12.1	16.5	4.7	10.9	18.8	4.9
21:00	.18	4.6	9.2	12.4	4.9	9.6	14.9	5.7
22:00	.15	3.4	5.7	8.0	3.9	9.0	9.6	5.5
23:00	.05	5.5	9.2	10.8	6.3	11.1	12.0	4.3
Avg	.25	8.5	11.6	14.9	9.1	13.4	16.8	11.0
Max	1.03	15.8	20.6	25.4	18.1	22.6	26.3	24.5
Hr. of Max	12	12	10	10	12	12	16	17
Min	-.16	3.4	5.7	8.0	3.9	8.6	9.6	4.0
Count	24	24	24	24	24	24	24	24
Total								