Date Printed: 08/30/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/29/2015

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	20.0	21.2	21.5	22.9	1.15	1.50	2.86	.35	1.71
01:00	20.0	21.0	21.2	22.5	.99	1.21	2.45	.22	1.46
02:00	19.2	20.5	20.8	21.8	1.26	1.55	2.57	.29	1.31
03:00	18.8	19.9	20.2	21.0	1.13	1.45	2.23	.32	1.10
04:00	18.2	19.2	19.7	20.4	1.02	1.49	2.19	.47	1.17
05:00	17.6	19.0	19.1	19.5	1.37	1.45	1.85	.08	.48
06:00	17.4	18.5	18.8	19.3	1.12	1.45	1.91	.33	.79
07:00	17.4	18.4	18.6	19.6	.97	1.26	2.21	.28	1.23
08:00	19.8	19.6	19.7	20.3	-.17	-.12	.46	.06	.64
09:00	22.8	22.4	22.2	22.3	-.32	-.52	-.50	-.20	-.18
10:00	25.2	24.5	24.3	24.1	-.70	-.96	-1.10	-.26	-.40
11:00	26.4	25.5	25.2	25.1	-.89	-1.19	-1.32	-.30	-.43
12:00	27.4	26.5	26.2	26.1	-.92	-1.23	-1.37	-.31	-.45
13:00	27.8	26.9	26.6	26.5	-.87	-1.18	-1.27	-.31	-.40
14:00	29.1	27.9	27.6	27.5	-1.19	-1.53	-1.65	-.33	-.45
15:00	29.3	28.4	28.1	28.0	-.87	-1.18	-1.30	-.31	-.43
16:00	29.5	28.6	28.3	28.2	-.86	-1.16	-1.29	-.30	-.43
17:00	29.1	28.6	28.3	28.1	-.54	-.87	-1.02	-.33	-.48
18:00	27.0	26.7	27.1	27.7	-.24	.17	.75	.41	.99
19:00	26.2	26.5	26.7	26.9	.26	.44	.68	.18	.42
20:00	24.4	25.7	26.2	26.3	1.33	1.78	1.90	.46	.58
21:00	23.0	24.4	25.0	25.4	1.38	2.01	2.39	.64	1.02
22:00	21.3	23.0	23.7	24.0	1.74	2.36	2.68	.62	.94
23:00	20.3	21.9	22.5	23.1	1.59	2.22	2.81	.63	1.22
Avg	23.2	23.5	23.7	24.0	.32	.43	.80	.11	.48
Max	29.5	28.6	28.3	28.2	1.74	2.36	2.86	.64	1.71
Hr. of Max	16	17	17	16	22	22	00	21	00
Min	17.4	18.4	18.6	19.3	-1.19	-1.53	-1.65	-.33	-.48
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/29/2015

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	17.7	17.7	18.5	24.8	88.3	82.4	15.0	15.0	0.013012
01:00	17.7	18.0	18.5	24.7	88.6	85.0	15.0	15.3	0.013051
02:00	17.5	17.9	18.1	24.6	91.3	87.1	14.8	15.2	0.012828
03:00	17.3	17.9	17.8	24.5	92.8	90.1	14.7	15.2	0.012661
04:00	16.9	17.7	17.3	24.4	93.9	93.3	14.3	15.1	0.012333
05:00	16.4	17.6	16.8	24.3	94.1	93.5	13.9	15.0	0.011957
06:00	16.1	17.3	16.5	24.2	94.3	94.7	13.7	14.7	0.01176
07:00	16.1	17.3	16.5	24.1	93.6	95.2	13.6	14.7	0.011695
08:00	17.5	17.1	18.3	24.0	88.4	86.9	14.8	14.4	0.012831
09:00	18.1	17.3	19.7	23.9	77.0	74.7	15.3	14.6	0.013378
10:00	17.7	17.0	20.2	23.9	64.6	64.4	14.8	14.2	0.013042
11:00	17.5	16.9	20.5	24.0	59.8	60.4	14.6	14.0	0.012931
12:00	17.4	16.8	20.8	24.1	55.8	56.7	14.5	14.0	0.012851
13:00	17.4	16.8	20.8	24.3	54.7	55.3	14.4	13.9	0.012827
14:00	16.8	16.4	20.9	24.5	48.8	50.7	13.9	13.5	0.01243
15:00	17.1	16.7	21.2	24.7	49.3	50.5	14.1	13.8	0.012655
16:00	17.4	16.8	21.5	24.9	49.7	50.0	14.4	13.9	0.012934
17:00	16.8	16.3	20.9	25.1	48.8	48.7	13.9	13.5	0.012433
18:00	19.0	18.4	21.7	25.2	63.5	62.2	16.0	15.4	0.014258
19:00	19.9	19.4	22.0	25.4	70.2	67.2	16.9	16.4	0.015085
20:00	19.7	18.0	21.2	25.4	76.8	64.0	16.7	15.1	0.014815
21:00	18.6	18.0	20.1	25.5	78.1	69.2	15.8	15.1	0.013861
22:00	17.8	17.6	19.0	25.4	82.4	73.0	15.1	14.8	0.013159
23:00	17.7	18.2	18.6	25.4	87.1	81.6	15.0	15.4	0.013061
Avg	17.6	17.5	19.5	24.6	74.7	72.4	14.8	14.7	0.012994
Max	19.9	19.4	22.0	25.5	94.3	95.2	16.9	16.4	0.015085
Hr. of Max	19	19	19	21	06	07	19	19	19
Min	16.1	16.3	16.5	23.9	48.8	48.7	13.6	13.5	0.011695
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/29/2015

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	0.013036	20.3	20.3	.00	29.24	990.2	-2.2	.00	336.3
01:00	0.013301	20.4	20.7	.00	29.24	990.3	-1.4	.00	359.6
02:00	0.013238	20.0	20.6	.00	29.23	989.9	-3.4	.00	10.3
03:00	0.013187	19.7	20.5	.00	29.23	989.8	-2.8	.00	2.6
04:00	0.013067	19.2	20.4	.00	29.24	990.1	-1.8	.00	345.6
05:00	0.012939	18.7	20.2	.00	29.24	990.2	-1.1	.00	38.9
06:00	0.012674	18.4	19.8	.00	29.25	990.7	-.7	.00	344.1
07:00	0.012643	18.3	19.7	.00	29.27	991.3	43.0	.06	355.3
08:00	0.012479	20.0	19.5	.00	29.28	991.7	192.5	.28	231.7
09:00	0.01273	20.9	19.9	.00	29.29	991.8	378.1	.54	123.2
10:00	0.012455	20.4	19.5	.00	29.29	992.1	612.3	.88	175.6
11:00	0.012372	20.2	19.3	.00	29.30	992.1	730.7	1.05	144.9
12:00	0.012356	20.1	19.3	.00	29.29	991.9	708.4	1.02	182.3
13:00	0.012326	20.0	19.3	.00	29.27	991.3	698.2	1.00	181.4
14:00	0.012036	19.4	18.8	.00	29.24	990.1	892.8	1.28	174.6
15:00	0.012319	19.7	19.2	.00	29.21	989.3	682.5	.98	161.1
16:00	0.012392	20.1	19.3	.00	29.20	988.7	620.6	.89	171.0
17:00	0.012047	19.4	18.8	.00	29.18	988.2	381.3	.55	193.3
18:00	0.013737	22.1	21.3	.00	29.18	988.1	148.7	.21	260.3
19:00	0.014654	23.4	22.7	.00	29.18	988.2	60.4	.09	233.3
20:00	0.013358	23.0	20.8	.00	29.19	988.7	-1.2	.00	230.3
21:00	0.013332	21.6	20.8	.00	29.21	989.2	-1.9	.00	239.6
22:00	0.012941	20.5	20.2	.00	29.22	989.6	-2.0	.00	287.5
23:00	0.013484	20.4	21.0	.00	29.22	989.5	-1.6	.00	342.5
Avg	0.012879	20.3	20.1	.00	29.24	990.1	255.4	.37	243.0
Max	0.014654	23.4	22.7	.00	29.30	992.1	892.8	1.28	359.6
Hr. of Max	19	19	19	23	11	11	14	14	01
Min	0.012036	18.3	18.8	.00	29.18	988.1	-3.4	.00	2.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/29/2015

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	71.5	221.6	356.1	217.0	29.6	9.1	21.5	.3	.8
01:00	72.4	191.6	11.5	174.0	23.4	7.8	18.2	.5	1.2
02:00	71.2	59.8	16.9	67.0	30.7	13.6	24.6	.9	1.5
03:00	72.8	52.1	8.4	53.0	40.8	25.5	36.7	.6	1.2
04:00	64.8	54.9	347.6	54.3	60.7	30.2	31.7	.6	1.4
05:00	70.8	64.4	47.4	62.2	29.9	12.3	10.3	.9	2.1
06:00	74.6	52.7	340.0	50.8	54.2	16.4	12.2	.4	1.3
07:00	81.4	26.5	347.5	21.1	50.0	7.9	11.1	.2	.7
08:00	98.2	359.4	228.6	351.6	47.5	33.2	17.6	.2	.0
09:00	129.0	180.2	131.8	173.4	49.0	22.6	28.5	.9	1.0
10:00	181.0	183.9	180.0	182.6	31.7	27.8	29.0	2.9	3.3
11:00	152.6	154.8	145.1	152.0	48.2	40.1	38.2	2.4	2.7
12:00	196.9	198.3	187.1	198.6	49.1	41.2	31.5	2.8	3.4
13:00	188.5	198.5	185.8	198.7	38.8	36.8	35.8	2.6	3.1
14:00	180.0	178.0	179.4	178.2	46.4	47.8	41.6	3.4	4.1
15:00	170.9	174.8	166.1	175.1	42.3	37.0	32.1	3.3	4.0
16:00	175.4	179.4	176.6	179.8	29.2	25.4	23.0	2.8	3.3
17:00	197.5	201.7	198.7	201.9	26.8	19.8	16.2	3.0	3.9
18:00	234.7	219.7	260.4	221.4	19.5	15.0	9.4	1.0	1.9
19:00	205.7	210.2	233.2	211.6	31.6	33.9	11.5	1.0	2.4
20:00	210.2	200.9	232.8	202.5	21.8	13.0	11.5	1.8	3.4
21:00	216.2	209.5	243.1	211.5	9.0	9.0	6.4	3.0	4.8
22:00	235.8	226.5	287.9	228.6	13.6	11.9	5.1	.9	2.6
23:00	79.6	278.6	351.4	283.1	29.9	52.4	30.9	.4	.8
Avg	143.0	182.0	240.0	181.0	35.6	24.6	22.3	.0	.0
Max	235.8	359.4	356.1	351.6	60.7	52.4	41.6	3.4	4.8
Hr. of Max	22	08	00	08	04	23	14	14	21
Min	64.8	26.5	8.4	21.1	9.0	7.8	5.1	.2	.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/29/2015

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	1.5	.6	.9	1.5	.9	1.8	1.5	-2.1	.01
01:00	.7	.6	1.2	.7	.8	1.0	1.4	-.8	.02
02:00	.6	1.1	1.6	.7	1.2	1.1	.8	2.7	.02
03:00	1.4	1.1	1.3	1.6	1.3	1.9	2.6	.3	.05
04:00	1.7	.9	1.6	1.8	1.2	2.1	2.5	1.6	.03
05:00	2.9	1.0	2.1	2.9	1.2	3.2	2.3	2.9	.04
06:00	2.1	.7	1.4	2.2	1.0	2.4	1.5	2.8	.03
07:00	1.6	.2	.7	1.6	.6	1.8	1.6	1.6	.02
08:00	.3	.3	.1	.4	.8	.8	-1.4	.3	-.02
09:00	1.2	1.0	1.1	1.3	1.6	1.8	-.2	1.1	.04
10:00	3.6	3.3	3.6	3.9	4.0	4.4	2.0	3.9	.14
11:00	2.9	3.4	3.8	4.0	4.0	4.5	1.7	.0	.13
12:00	4.0	3.7	4.3	4.7	4.3	5.3	1.8	-3.0	.06
13:00	3.4	3.3	3.8	4.1	4.0	4.7	1.2	-1.1	.00
14:00	4.5	4.6	5.2	5.5	5.2	6.1	2.0	.2	.15
15:00	4.8	4.2	4.8	5.5	5.0	6.0	.3	-1.3	-.02
16:00	3.8	3.6	4.3	4.6	4.2	5.1	1.5	2.0	.08
17:00	4.4	3.3	4.1	4.5	3.7	4.9	1.4	-3.5	-.04
18:00	3.0	1.1	2.0	3.1	1.5	3.3	-2.4	-1.8	-.09
19:00	4.2	1.1	2.5	4.3	1.5	4.6	1.4	-2.1	.01
20:00	4.6	2.1	3.8	4.9	2.5	5.1	1.2	-2.0	.00
21:00	6.5	3.0	5.0	6.7	3.4	7.0	-1.9	-1.2	-.12
22:00	4.3	1.1	2.6	4.4	1.3	4.7	-.2	-.7	.00
23:00	1.2	.4	.9	1.4	.7	1.7	.9	1.4	.01
Avg	.0	1.9	2.6	3.2	2.3	3.6	1.0	.1	.02
Max	6.5	4.6	5.2	6.7	5.2	7.0	2.6	3.9	.15
Hr. of Max	21	14	14	21	14	21	03	10	14
Min	.3	.2	.1	.4	.6	.8	-2.4	-3.5	-.12
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/29/2015

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	2.5	4.1	2.3	4.7	7.4	10.4
01:00	-.02	1.6	2.7	3.2	1.8	3.3	8.2	7.8
02:00	.07	3.2	3.7	2.5	3.3	2.7	11.6	16.2
03:00	.02	3.2	2.7	3.4	3.4	3.7	12.4	15.6
04:00	.09	3.9	3.4	3.7	3.9	3.9	12.8	15.1
05:00	.16	4.1	5.5	6.6	2.6	4.9	12.6	6.3
06:00	.13	3.4	4.6	6.6	2.4	3.8	11.1	10.9
07:00	.05	1.8	2.1	3.4	1.8	2.7	7.0	4.2
08:00	.00	1.6	1.4	2.3	2.0	2.1	16.7	11.3
09:00	.01	6.2	6.0	7.1	7.2	7.7	30.1	25.4
10:00	.20	8.2	9.2	8.9	9.2	10.0	20.6	21.1
11:00	.12	9.6	10.5	10.8	10.9	10.9	22.8	22.9
12:00	-.24	11.4	14.0	12.1	11.4	11.0	23.6	25.1
13:00	-.19	8.7	11.4	10.3	12.0	11.6	23.1	23.6
14:00	-.04	14.4	13.5	16.5	16.6	16.7	21.1	21.9
15:00	-.10	11.4	10.8	12.1	11.6	12.5	17.8	18.7
16:00	.15	8.9	10.1	11.0	10.9	9.1	19.4	19.0
17:00	-.31	9.4	11.4	11.4	9.4	8.8	18.8	13.9
18:00	-.12	6.6	6.4	7.8	4.2	6.2	13.2	6.0
19:00	-.17	5.0	7.1	9.2	6.3	9.5	14.7	7.0
20:00	-.21	5.5	6.4	7.8	5.9	9.1	11.5	7.1
21:00	-.16	7.1	8.0	11.0	5.9	10.5	4.7	3.7
22:00	-.07	5.3	9.8	12.6	3.4	7.1	7.0	3.7
23:00	.02	2.1	2.5	4.6	2.1	4.0	9.9	14.3
Avg	-.03	6.0	6.9	7.9	6.3	7.4	14.9	13.8
Max	.20	14.4	14.0	16.5	16.6	16.7	30.1	25.4
Hr. of Max	10	14	12	14	14	14	09	09
Min	-.31	1.6	1.4	2.3	1.8	2.1	4.7	3.7
Count	24	24	24	24	24	24	24	24
Total								