Date Printed: 04/13/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/12/2015

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	9.5	12.6	14.1	15.1	3.09	4.55	5.55	1.46	2.45
01:00	8.4	11.2	12.8	14.1	2.83	4.45	5.72	1.62	2.89
02:00	7.4	10.4	12.0	13.2	2.93	4.52	5.80	1.59	2.87
03:00	7.0	10.1	11.8	13.0	3.10	4.72	5.95	1.62	2.85
04:00	6.5	9.9	11.4	12.8	3.41	4.87	6.31	1.46	2.90
05:00	7.0	9.8	11.2	12.4	2.80	4.23	5.42	1.43	2.61
06:00	6.5	9.9	10.8	12.0	3.41	4.26	5.49	.85	2.09
07:00	7.1	9.8	10.6	11.4	2.71	3.49	4.29	.78	1.57
08:00	10.5	10.9	11.3	12.0	.45	.86	1.53	.42	1.08
09:00	15.1	14.8	14.6	14.4	-.30	-.56	-.73	-.26	-.43
10:00	17.2	16.8	16.5	16.4	-.43	-.70	-.86	-.28	-.43
11:00	19.6	19.0	18.8	18.7	-.58	-.84	-.95	-.26	-.37
12:00	22.4	21.7	21.4	21.3	-.78	-1.02	-1.15	-.23	-.37
13:00	24.4	23.6	23.3	23.2	-.82	-1.15	-1.27	-.33	-.45
14:00	25.5	24.9	24.6	24.5	-.66	-.94	-1.07	-.28	-.41
15:00	26.2	25.7	25.4	25.3	-.56	-.86	-.95	-.31	-.39
16:00	26.5	25.9	25.6	25.4	-.52	-.85	-1.02	-.33	-.50
17:00	25.7	25.6	25.3	25.2	-.12	-.38	-.50	-.27	-.38
18:00	25.2	25.3	25.1	25.0	.08	-.15	-.24	-.23	-.32
19:00	24.2	24.5	24.4	24.4	.30	.17	.15	-.13	-.15
20:00	22.3	22.9	22.9	23.0	.57	.62	.69	.05	.12
21:00	20.9	21.5	21.7	21.8	.65	.80	.94	.15	.29
22:00	19.0	20.4	20.5	20.6	1.43	1.50	1.60	.07	.17
23:00	16.0	19.2	19.4	19.6	3.17	3.44	3.62	.27	.44
Avg	16.7	17.8	18.1	18.5	1.09	1.46	1.85	.37	.76
Max	26.5	25.9	25.6	25.4	3.41	4.87	6.31	1.62	2.90
Hr. of Max	16	16	16	16	06	04	04	03	04
Min	6.5	9.8	10.6	11.4	-.82	-1.15	-1.27	-.33	-.50
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/12/2015

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	1.9	.5	4.4	16.2	59.7	44.4	5.4	4.9	0.004457
01:00	2.1	1.4	4.2	15.9	65.1	51.5	5.5	5.2	0.004507
02:00	2.3	2.0	4.0	15.6	70.4	56.7	5.6	5.4	0.00457
03:00	2.5	1.7	4.0	15.3	73.7	56.6	5.7	5.3	0.004654
04:00	2.8	1.8	4.1	15.0	78.1	57.6	5.8	5.4	0.004751
05:00	2.9	.6	4.3	14.7	75.9	53.3	5.8	4.9	0.004775
06:00	2.9	.4	4.1	14.4	78.7	52.2	5.9	4.9	0.004789
07:00	3.1	.2	4.4	14.1	76.5	52.1	5.9	4.8	0.004833
08:00	4.4	2.3	6.4	13.9	67.2	56.1	6.4	5.5	0.005307
09:00	1.9	.0	6.3	13.7	41.7	37.0	5.3	4.7	0.004482
10:00	1.5	.0	6.8	13.8	35.4	32.6	5.2	4.6	0.004379
11:00	2.8	1.2	8.4	14.1	33.4	31.0	5.6	5.0	0.004803
12:00	6.9	5.6	12.1	14.6	37.5	36.0	7.4	6.8	0.006425
13:00	9.9	8.8	14.7	15.4	40.7	39.9	9.0	8.4	0.007845
14:00	10.5	9.8	15.5	16.3	39.9	39.5	9.4	8.9	0.008224
15:00	10.0	9.2	15.4	17.0	37.0	36.3	9.0	8.6	0.007955
16:00	10.5	9.6	15.8	17.5	37.7	36.6	9.3	8.8	0.008215
17:00	10.7	10.1	15.7	17.9	39.9	38.5	9.4	9.1	0.008305
18:00	10.3	9.8	15.3	18.1	39.9	38.4	9.2	8.9	0.008089
19:00	10.0	9.6	14.8	18.2	41.7	39.7	9.1	8.8	0.00794
20:00	9.2	8.8	13.6	18.2	44.0	41.5	8.6	8.4	0.007476
21:00	8.5	8.1	12.6	18.0	45.8	42.9	8.3	8.0	0.007123
22:00	8.3	7.7	11.8	17.8	51.0	44.7	8.2	7.8	0.007003
23:00	9.0	7.6	11.3	17.6	64.0	48.0	8.6	7.8	0.007315
Avg	6.0	4.9	9.6	16.0	53.1	44.3	7.2	6.7	0.006176
Max	10.7	10.1	15.8	18.2	78.7	57.6	9.4	9.1	0.008305
Hr. of Max	17	17	16	20	06	04	17	17	17
Min	1.5	.0	4.0	13.7	33.4	31.0	5.2	4.6	0.004379
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/12/2015

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	0.004067	7.0	6.4	.00	29.25	990.5	-2.3	.00	70.8
01:00	0.004302	7.1	6.8	.00	29.24	990.4	-2.1	.00	74.1
02:00	0.004492	7.2	7.1	.00	29.24	990.1	-2.0	.00	71.0
03:00	0.004411	7.4	7.0	.00	29.23	989.8	-2.0	.00	81.4
04:00	0.004423	7.5	7.0	.00	29.24	990.2	-2.6	.00	58.0
05:00	0.004055	7.5	6.4	.00	29.24	990.2	-.7	.00	50.0
06:00	0.004006	7.6	6.3	.00	29.25	990.5	-1.8	.00	45.1
07:00	0.003956	7.6	6.3	.00	29.27	991.3	35.3	.05	46.4
08:00	0.004589	8.4	7.3	.00	29.28	991.7	238.3	.34	75.3
09:00	0.003899	7.1	6.2	.00	29.29	992.0	471.0	.68	81.1
10:00	0.003918	6.9	6.2	.00	29.30	992.3	558.1	.80	79.7
11:00	0.004289	7.6	6.8	.00	29.30	992.3	822.8	1.18	114.3
12:00	0.005879	10.1	9.3	.00	29.28	991.6	920.9	1.32	190.0
13:00	0.007317	12.3	11.5	.00	29.25	990.6	903.4	1.30	196.3
14:00	0.007829	12.9	12.3	.00	29.23	989.8	921.8	1.32	186.0
15:00	0.007546	12.5	11.9	.00	29.20	988.9	663.4	.95	199.0
16:00	0.007733	12.9	12.1	.00	29.18	988.3	628.3	.90	202.4
17:00	0.007969	13.0	12.5	.00	29.19	988.5	289.3	.41	187.3
18:00	0.007817	12.7	12.3	.00	29.19	988.7	172.3	.25	186.0
19:00	0.007708	12.5	12.1	.00	29.20	988.8	55.5	.08	202.9
20:00	0.007308	11.7	11.5	.00	29.21	989.3	-.8	.00	221.7
21:00	0.006935	11.2	10.9	.00	29.24	990.3	-1.7	.00	227.6
22:00	0.006742	11.0	10.6	.00	29.26	990.9	-2.1	.00	215.1
23:00	0.006699	11.5	10.6	.00	29.26	990.8	-2.6	.00	236.5
Avg	0.005745	9.7	9.1	.00	29.24	990.3	277.5	.40	138.0
Max	0.007969	13.0	12.5	.00	29.30	992.3	921.8	1.32	236.5
Hr. of Max	17	17	17	23	11	11	14	14	23
Min	0.003899	6.9	6.2	.00	29.18	988.3	-2.6	.00	45.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/12/2015

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	49.9	57.0	72.8	52.5	17.4	6.0	3.5	1.4	4.4
01:00	52.3	60.5	83.9	56.5	21.1	8.2	2.9	.8	3.2
02:00	50.9	56.8	75.3	52.6	10.3	4.9	3.4	1.0	3.5
03:00	46.6	60.1	85.2	55.9	10.7	4.2	2.8	1.6	5.3
04:00	55.1	67.0	60.2	62.8	13.0	6.9	3.4	1.4	3.9
05:00	48.0	68.9	53.8	64.8	10.6	4.3	3.4	2.0	5.1
06:00	54.7	74.8	46.9	70.8	14.3	5.8	5.7	2.2	4.8
07:00	47.1	62.6	49.9	58.6	17.7	5.3	5.0	1.9	4.8
08:00	52.6	61.8	86.4	58.0	32.1	13.0	6.8	1.1	3.0
09:00	69.5	66.8	81.5	63.2	22.6	18.8	13.2	3.9	5.0
10:00	70.6	63.2	81.6	59.6	26.9	24.6	21.8	3.0	3.3
11:00	123.9	135.8	110.2	138.0	57.7	48.6	57.3	1.2	.9
12:00	203.6	207.6	198.2	208.1	40.9	41.6	38.4	3.4	4.1
13:00	204.1	202.9	202.2	204.0	34.8	32.0	25.6	5.1	6.4
14:00	195.8	197.2	191.0	198.5	36.0	30.7	26.2	5.6	6.9
15:00	204.2	204.9	203.6	207.2	32.1	28.2	23.6	6.3	7.7
16:00	204.1	200.7	206.5	201.9	33.4	28.3	27.2	5.7	7.0
17:00	192.5	191.1	193.2	192.5	26.7	22.9	20.8	5.6	7.1
18:00	191.4	187.9	192.2	189.1	25.4	19.2	18.3	4.7	6.0
19:00	205.6	201.8	208.0	203.5	20.2	16.3	14.0	4.9	6.8
20:00	219.9	212.2	227.0	214.4	16.5	11.6	9.8	4.3	6.5
21:00	224.1	217.3	232.3	219.5	14.0	10.2	9.4	4.4	7.1
22:00	208.2	198.7	217.9	200.6	46.4	27.5	20.2	1.9	3.7
23:00	235.7	217.7	240.4	219.2	19.1	23.7	9.6	1.9	3.1
Avg	136.0	139.0	142.0	139.0	25.0	18.5	15.5	.0	.0
Max	235.7	217.7	240.4	219.5	57.7	48.6	57.3	6.3	7.7
Hr. of Max	23	23	23	21	11	11	11	15	15
Min	46.6	56.8	46.9	52.5	10.3	4.2	2.8	.8	.9
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/12/2015

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	7.9	1.5	4.5	8.0	1.8	8.4	1.6	-1.2	.03
01:00	6.4	.8	3.3	6.4	1.2	6.8	2.9	-.4	.06
02:00	6.3	1.0	3.5	6.3	1.3	6.7	3.7	-.5	.09
03:00	7.6	1.7	5.3	7.7	2.0	8.0	1.1	-1.1	.04
04:00	6.0	1.5	3.9	6.0	1.7	6.3	2.4	-.1	.06
05:00	6.8	2.0	5.1	6.8	2.1	7.1	-.5	.0	-.06
06:00	5.5	2.2	4.8	5.5	2.3	5.8	-1.5	-.3	-.08
07:00	5.6	2.0	4.8	5.6	2.1	6.0	-.8	-1.4	-.09
08:00	6.2	1.2	3.1	6.2	1.6	6.6	-.1	-.5	.01
09:00	6.6	4.1	5.2	6.8	5.0	7.3	3.3	3.3	.24
10:00	3.7	3.4	3.6	3.9	4.0	4.4	-.2	.9	-.07
11:00	.6	2.0	1.8	1.7	2.6	2.5	-6.6	-12.8	-.26
12:00	4.7	4.3	5.1	5.6	5.0	6.3	-1.5	3.3	-.08
13:00	7.3	6.3	7.5	8.3	7.1	9.2	2.1	3.7	.06
14:00	8.2	6.5	7.8	9.1	7.4	9.9	1.2	2.1	-.11
15:00	8.8	7.4	8.8	9.8	8.3	10.6	2.0	2.5	.05
16:00	8.1	6.5	7.8	8.8	7.1	9.6	2.8	3.4	.08
17:00	8.3	6.3	7.7	8.8	6.8	9.3	.6	.1	-.09
18:00	7.1	5.1	6.4	7.5	5.6	7.9	-.2	-.2	-.16
19:00	8.4	5.3	7.0	8.7	5.8	9.2	-.1	-.2	-.12
20:00	8.2	4.5	6.6	8.4	5.0	8.9	-.8	.3	-.15
21:00	9.0	4.6	7.2	9.1	5.0	9.7	-.6	-.8	-.13
22:00	5.3	2.6	4.2	5.7	3.1	6.2	.0	.0	-.09
23:00	4.3	2.0	3.3	4.6	2.5	4.9	-.5	.3	-.07
Avg	.0	3.5	5.3	6.9	4.0	7.4	.4	.0	-.04
Max	9.0	7.4	8.8	9.8	8.3	10.6	3.7	3.7	.24
Hr. of Max	21	15	15	15	15	15	02	13	09
Min	.6	.8	1.8	1.7	1.2	2.5	-6.6	-12.8	-.26
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/12/2015

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	-.18	3.7	7.6	12.4	3.8	11.4	7.4	2.0
01:00	-.06	2.3	8.9	14.4	2.7	9.0	7.2	2.0
02:00	-.06	2.3	6.4	11.9	2.9	8.7	6.1	1.9
03:00	-.15	3.2	10.3	14.9	3.6	10.3	7.6	2.0
04:00	-.01	3.0	10.5	13.3	3.2	7.6	5.9	1.7
05:00	.00	3.9	7.8	12.1	4.4	9.7	7.6	2.2
06:00	-.04	4.4	8.7	11.9	4.5	9.3	6.5	3.3
07:00	-.15	6.4	9.4	7.8	4.7	8.6	11.1	2.5
08:00	-.08	6.0	9.2	13.3	6.3	10.9	15.3	5.0
09:00	.27	10.3	11.9	15.1	11.6	13.2	18.2	14.7
10:00	-.04	11.4	8.7	11.2	8.7	9.5	19.8	20.6
11:00	-.46	6.9	8.9	7.3	6.8	9.6	28.1	33.8
12:00	.10	17.6	18.1	17.6	19.5	19.0	21.5	24.4
13:00	.31	25.2	21.5	22.2	21.1	23.2	18.6	19.8
14:00	.17	19.2	20.4	20.4	17.8	20.6	18.8	18.9
15:00	.25	21.8	21.5	22.7	22.9	26.2	16.7	16.8
16:00	.17	15.8	20.8	20.8	18.6	23.6	19.8	19.1
17:00	-.19	17.6	17.4	17.2	16.2	18.3	16.6	15.0
18:00	-.18	12.4	12.8	15.6	12.1	15.8	16.5	15.2
19:00	-.18	13.5	17.6	16.0	14.7	17.4	13.6	10.3
20:00	-.01	11.0	18.1	16.3	12.0	17.9	11.3	7.3
21:00	-.19	10.5	14.2	16.9	10.8	18.9	10.5	6.8
22:00	-.10	9.2	11.4	19.0	10.5	17.9	16.8	12.1
23:00	-.02	5.3	9.2	8.7	6.2	8.9	9.0	6.6
Avg	-.03	10.1	13.0	15.0	10.2	14.4	13.8	11.0
Max	.31	25.2	21.5	22.7	22.9	26.2	28.1	33.8
Hr. of Max	13	13	15	15	15	15	11	11
Min	-.46	2.3	6.4	7.3	2.7	7.6	5.9	1.7
Count	24	24	24	24	24	24	24	24
Total								