Date Printed: 06/08/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/7/2015

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	19.0	20.8	21.3	22.6	1.77	2.31	3.59	.54	1.82
01:00	18.4	20.0	20.6	21.8	1.56	2.21	3.39	.65	1.83
02:00	17.9	19.5	19.9	21.1	1.61	1.99	3.19	.38	1.58
03:00	17.4	19.0	19.4	20.4	1.59	2.00	2.99	.41	1.40
04:00	16.9	18.6	19.0	19.6	1.71	2.08	2.71	.37	1.00
05:00	16.4	17.8	18.3	19.0	1.41	1.95	2.63	.53	1.22
06:00	16.0	17.5	18.0	18.6	1.52	2.05	2.64	.52	1.11
07:00	17.5	18.0	18.4	18.9	.54	.92	1.41	.38	.88
08:00	21.0	20.7	20.4	20.4	-.28	-.58	-.61	-.30	-.33
09:00	23.5	23.0	22.8	22.6	-.48	-.74	-.87	-.26	-.39
10:00	25.6	25.0	24.7	24.5	-.61	-.92	-1.08	-.31	-.47
11:00	27.9	27.0	26.7	26.6	-.82	-1.17	-1.31	-.34	-.49
12:00	29.2	28.3	27.9	27.8	-.90	-1.25	-1.41	-.35	-.51
13:00	30.2	29.1	28.8	28.7	-1.03	-1.35	-1.47	-.32	-.44
14:00	31.0	29.9	29.5	29.4	-1.12	-1.49	-1.61	-.37	-.49
15:00	31.2	30.3	30.0	29.8	-.87	-1.25	-1.37	-.39	-.51
16:00	31.5	30.8	30.4	30.2	-.73	-1.14	-1.32	-.40	-.59
17:00	31.2	30.7	30.4	30.2	-.46	-.79	-.97	-.34	-.51
18:00	29.8	29.6	29.5	29.6	-.15	-.25	-.20	-.10	-.05
19:00	26.9	27.6	28.2	28.5	.64	1.23	1.54	.59	.90
20:00	24.9	27.0	27.6	27.8	2.10	2.67	2.94	.56	.83
21:00	23.1	25.7	26.3	26.8	2.61	3.19	3.66	.58	1.05
22:00	22.1	24.3	25.0	26.1	2.19	2.88	4.02	.68	1.83
23:00	21.2	23.2	25.0	25.4	2.05	3.80	4.24	1.75	2.20
Avg	23.7	24.3	24.5	24.9	.58	.76	1.11	.19	.54
Max	31.5	30.8	30.4	30.2	2.61	3.80	4.24	1.75	2.20
Hr. of Max	16	16	17	17	21	23	23	23	23
Min	16.0	17.5	18.0	18.6	-1.12	-1.49	-1.61	-.40	-.59
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/7/2015

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	16.5	16.8	17.3	24.9	86.9	79.4	14.0	14.1	0.012109
01:00	16.3	16.4	17.0	24.6	89.1	81.6	13.8	13.8	0.011928
02:00	16.0	16.4	16.6	24.4	90.4	84.1	13.6	13.9	0.011722
03:00	15.8	16.5	16.3	24.1	92.0	87.4	13.4	14.0	0.011589
04:00	15.5	16.4	16.0	23.9	92.9	88.7	13.2	13.9	0.01134
05:00	15.1	16.3	15.5	23.6	93.7	92.8	12.9	13.8	0.011038
06:00	14.8	16.3	15.2	23.4	94.3	94.4	12.6	13.8	0.010828
07:00	15.9	16.0	16.5	23.2	92.4	89.5	13.6	13.5	0.01168
08:00	17.0	16.3	18.4	23.0	79.9	77.4	14.4	13.7	0.012544
09:00	17.2	16.6	19.3	22.8	69.4	68.9	14.4	13.9	0.012689
10:00	17.6	16.8	20.2	22.9	62.8	62.0	14.7	14.0	0.013028
11:00	18.0	17.3	21.3	23.2	56.6	56.8	15.0	14.4	0.013431
12:00	18.3	17.7	21.9	23.9	53.4	54.1	15.2	14.7	0.013658
13:00	18.1	17.6	22.1	24.7	49.9	51.2	15.0	14.6	0.013528
14:00	17.6	17.2	22.1	25.4	46.3	47.9	14.6	14.2	0.013167
15:00	17.0	16.5	21.7	25.8	43.9	44.7	14.0	13.6	0.012648
16:00	16.5	16.0	21.5	26.1	42.0	42.2	13.6	13.1	0.012289
17:00	16.4	16.0	21.3	26.4	42.3	42.4	13.5	13.2	0.012178
18:00	17.5	16.8	21.6	26.6	49.3	47.5	14.4	13.9	0.013018
19:00	19.3	17.9	21.9	26.7	64.9	57.3	16.3	14.9	0.014606
20:00	19.4	18.5	21.2	26.6	73.3	61.4	16.4	15.5	0.014634
21:00	19.0	18.6	20.4	26.5	79.6	66.4	16.2	15.6	0.014277
22:00	18.7	18.6	19.8	26.3	83.0	72.4	15.9	15.7	0.013974
23:00	18.3	18.4	19.3	26.0	85.7	76.2	15.6	15.6	0.013642
Avg	17.2	17.0	19.4	24.8	71.4	67.8	14.4	14.2	0.012731
Max	19.4	18.6	22.1	26.7	94.3	94.4	16.4	15.7	0.014634
Hr. of Max	20	22	14	19	06	06	20	22	20
Min	14.8	16.0	15.2	22.8	42.0	42.2	12.6	13.1	0.010828
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)

6/7/2015

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	0.012337	18.8	19.2	.00	29.09	985.2	-3.6	-.01	337.6
01:00	0.012043	18.5	18.7	.00	29.09	985.2	-1.7	.00	322.8
02:00	0.012068	18.2	18.7	.00	29.08	984.9	-.7	.00	19.4
03:00	0.01216	18.0	18.9	.00	29.08	984.7	-.8	.00	348.4
04:00	0.012056	17.6	18.7	.00	29.08	984.8	-.5	.00	29.7
05:00	0.011954	17.2	18.6	.00	29.09	985.3	-.8	.00	29.6
06:00	0.011938	16.9	18.6	.00	29.12	986.1	9.2	.01	2.5
07:00	0.01168	18.2	18.2	.00	29.13	986.6	120.8	.17	199.3
08:00	0.011936	19.5	18.6	.00	29.14	986.9	358.0	.51	99.8
09:00	0.012241	19.7	19.1	.00	29.15	987.1	552.7	.79	78.3
10:00	0.012387	20.2	19.3	.00	29.14	987.0	742.2	1.06	125.5
11:00	0.012834	20.9	20.0	.00	29.14	986.9	884.9	1.27	227.3
12:00	0.013135	21.2	20.4	.00	29.14	986.8	970.3	1.39	229.6
13:00	0.013081	21.0	20.3	.00	29.13	986.6	962.9	1.38	227.8
14:00	0.012745	20.4	19.8	.00	29.12	986.2	984.1	1.41	225.6
15:00	0.012238	19.6	19.0	.00	29.10	985.5	874.7	1.25	220.4
16:00	0.011836	19.1	18.4	.00	29.09	985.0	543.9	.78	222.4
17:00	0.011879	18.9	18.5	.00	29.08	984.9	356.0	.51	227.6
18:00	0.012473	20.2	19.4	.00	29.07	984.6	204.1	.29	244.4
19:00	0.013376	22.6	20.7	.00	29.07	984.5	103.2	.15	282.0
20:00	0.013879	22.6	21.5	.00	29.06	984.2	20.1	.03	241.3
21:00	0.013898	22.1	21.5	.00	29.07	984.3	-3.1	.00	283.0
22:00	0.013931	21.6	21.6	.00	29.09	985.2	-1.2	.00	11.7
23:00	0.013742	21.2	21.3	.00	29.11	985.7	-2.2	.00	274.8
Avg	0.012577	19.8	19.5	.00	29.10	985.6	319.7	.46	275.0
Max	0.013931	22.6	21.6	.00	29.15	987.1	984.1	1.41	348.4
Hr. of Max	22	20	22	23	09	09	14	14	03
Min	0.01168	16.9	18.2	.00	29.06	984.2	-3.6	-.01	2.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/7/2015

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	46.5	65.7	333.5	62.0	44.7	30.8	14.7	.4	1.1
01:00	52.3	57.0	326.3	53.3	53.4	16.1	9.6	.1	1.0
02:00	65.1	54.5	17.8	50.7	28.7	10.7	8.5	.6	1.6
03:00	70.4	52.7	329.9	49.0	22.2	14.8	5.8	.4	1.2
04:00	66.4	60.5	30.5	57.0	38.1	18.4	5.8	.8	1.6
05:00	51.1	64.5	19.9	61.1	46.6	19.3	8.8	.4	1.4
06:00	59.4	58.3	344.5	54.5	55.9	20.9	10.8	.3	1.1
07:00	66.1	45.0	215.8	39.3	57.7	25.0	9.8	.2	.8
08:00	85.3	77.6	119.3	72.4	48.5	33.1	28.8	.8	1.3
09:00	79.1	73.1	83.2	70.3	35.6	33.6	30.1	2.1	2.3
10:00	142.4	147.5	134.5	149.0	44.7	37.9	31.9	1.4	1.6
11:00	228.5	226.0	229.4	227.4	33.0	28.0	24.3	4.2	5.2
12:00	236.4	232.7	232.7	234.2	37.6	29.0	23.8	4.2	5.7
13:00	236.5	234.9	233.8	236.3	33.9	25.2	21.0	5.0	6.6
14:00	231.2	230.8	230.1	233.0	27.4	20.7	17.4	6.7	8.9
15:00	224.5	224.3	226.0	226.5	25.9	20.3	15.7	5.7	7.8
16:00	225.2	225.9	229.1	228.2	24.5	18.9	15.8	6.0	8.3
17:00	232.4	230.8	232.7	233.0	26.5	17.8	13.8	5.5	8.1
18:00	236.3	230.6	248.4	232.7	21.8	15.5	12.6	3.1	5.4
19:00	219.8	208.5	282.5	210.5	11.4	10.4	9.1	.9	1.9
20:00	196.1	184.3	244.5	185.7	22.9	11.6	8.8	1.4	3.6
21:00	204.5	197.3	285.3	198.8	25.0	19.7	7.9	1.2	2.4
22:00	123.2	183.8	15.2	185.2	27.8	47.2	10.3	.6	.3
23:00	252.3	210.0	270.2	211.5	44.7	26.7	15.0	.5	1.6
Avg	160.0	164.0	274.0	168.0	34.9	23.0	15.0	.0	.0
Max	252.3	234.9	344.5	236.3	57.7	47.2	31.9	6.7	8.9
Hr. of Max	23	13	06	13	07	22	10	14	14
Min	46.5	45.0	15.2	39.3	11.4	10.4	5.8	.1	.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/7/2015

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	2.9	.7	1.2	3.0	1.0	3.3	2.1	1.6	.03
01:00	1.5	.2	1.0	1.5	.6	1.8	2.6	-1.9	.03
02:00	2.9	.6	1.7	3.0	.9	3.3	2.1	1.7	.03
03:00	3.0	.6	1.3	3.0	.8	3.3	.6	.7	.00
04:00	3.2	1.0	1.7	3.2	1.2	3.5	2.2	.9	.07
05:00	2.6	.6	1.4	2.6	.9	2.9	2.8	.7	.05
06:00	2.4	.7	1.1	2.4	1.0	2.7	2.9	.7	.06
07:00	1.8	.4	.9	1.8	.8	2.1	1.9	-2.4	.03
08:00	1.7	.9	1.5	2.0	1.5	2.3	6.3	1.1	.12
09:00	2.6	2.4	2.6	2.8	2.9	3.4	-2.7	1.8	-.09
10:00	1.9	2.3	2.3	2.7	2.9	3.4	-.6	-8.9	-.03
11:00	6.1	5.1	6.0	6.8	5.7	7.5	3.2	2.5	.05
12:00	6.8	5.0	6.4	7.3	5.8	8.1	1.9	3.6	-.04
13:00	7.8	5.7	7.2	8.2	6.4	9.0	.3	2.1	-.26
14:00	10.2	7.4	9.5	10.7	8.0	11.5	-.2	-.9	-.36
15:00	9.2	6.3	8.3	9.6	7.1	10.4	-1.0	1.0	-.37
16:00	10.0	6.7	8.9	10.6	7.2	11.3	-.1	-1.5	-.26
17:00	9.6	6.1	8.5	9.9	6.7	10.5	.1	1.8	-.23
18:00	7.4	3.4	5.7	7.5	3.9	8.1	.8	1.5	-.10
19:00	3.8	1.0	2.0	4.0	1.2	4.3	-.4	-.3	-.03
20:00	5.2	1.6	3.7	5.3	2.0	5.5	.5	1.2	.00
21:00	4.5	1.4	2.6	4.7	1.7	4.9	.1	.1	-.01
22:00	3.7	.8	1.1	3.8	1.1	4.1	1.0	1.2	.02
23:00	2.8	.7	1.8	3.1	1.1	3.4	1.6	-.2	.04
Avg	.0	2.6	3.7	5.0	3.0	5.4	1.2	.3	-.05
Max	10.2	7.4	9.5	10.7	8.0	11.5	6.3	3.6	.12
Hr. of Max	14	14	14	14	14	14	08	12	08
Min	1.5	.2	.9	1.5	.6	1.8	-2.7	-8.9	-.37
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/7/2015

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	.10	3.2	4.4	6.6	2.3	5.2	9.3	4.2
01:00	-.04	1.4	2.1	3.2	1.6	2.8	8.5	6.4
02:00	.09	1.8	3.2	4.4	2.3	4.6	7.9	2.5
03:00	.06	1.8	3.2	5.3	2.5	6.0	6.2	4.1
04:00	.05	2.3	3.0	4.4	2.6	4.9	8.3	2.8
05:00	.04	2.5	3.9	6.2	2.6	4.5	9.4	3.7
06:00	.04	2.1	3.7	4.4	2.8	4.2	8.3	3.4
07:00	-.09	1.4	3.7	6.9	2.2	3.9	12.1	5.9
08:00	-.02	3.2	3.9	5.5	4.2	6.0	27.5	21.4
09:00	.01	6.0	6.4	7.1	7.4	7.9	25.6	23.8
10:00	-.55	7.1	10.8	8.2	9.3	8.5	28.1	29.2
11:00	.20	12.1	13.5	14.7	13.7	16.0	19.7	16.7
12:00	.34	13.1	14.7	14.4	13.7	16.3	20.2	16.4
13:00	.03	13.7	13.5	15.6	15.0	17.2	19.6	15.4
14:00	-.34	18.3	16.7	18.8	18.5	19.9	17.8	12.3
15:00	-.01	14.7	21.1	27.0	16.0	19.9	18.0	12.3
16:00	-.41	16.0	16.9	20.2	19.3	21.2	17.3	10.6
17:00	.10	24.0	32.1	34.3	17.0	18.8	17.3	10.9
18:00	.12	11.2	16.0	17.4	13.6	16.1	16.5	9.3
19:00	-.04	3.4	6.0	9.6	3.3	7.7	8.2	4.3
20:00	.10	4.8	7.6	8.5	7.3	8.6	12.4	6.8
21:00	-.01	4.1	6.2	9.8	4.3	8.0	7.6	4.7
22:00	.06	4.1	3.2	11.0	3.9	7.2	9.0	7.9
23:00	-.04	3.9	4.8	7.1	3.6	7.5	14.1	10.4
Avg	-.01	7.3	9.2	11.3	7.9	10.1	14.5	10.2
Max	.34	24.0	32.1	34.3	19.3	21.2	28.1	29.2
Hr. of Max	12	17	17	17	16	16	10	10
Min	-.55	1.4	2.1	3.2	1.6	2.8	6.2	2.5
Count	24	24	24	24	24	24	24	24
Total								