Date Printed: 07/20/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/19/2015

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	22.2	22.8	23.0	23.4	.54	.80	1.18	.26	.64
01:00	22.1	22.6	22.7	22.9	.51	.63	.79	.12	.28
02:00	21.9	22.2	22.4	22.6	.33	.56	.75	.23	.42
03:00	21.7	22.0	22.4	22.6	.39	.73	.99	.35	.60
04:00	21.2	21.8	22.3	22.8	.54	1.09	1.58	.55	1.04
05:00	21.0	21.4	21.7	22.3	.37	.73	1.26	.36	.89
06:00	20.8	21.1	21.6	22.1	.22	.70	1.28	.49	1.07
07:00	21.2	21.5	21.6	21.9	.27	.37	.68	.11	.41
08:00	23.0	22.8	22.7	22.9	-.23	-.31	-.11	-.08	.12
09:00	25.6	25.1	24.9	24.8	-.43	-.69	-.76	-.26	-.34
10:00	28.0	27.5	27.2	27.1	-.55	-.83	-.94	-.29	-.39
11:00	30.3	29.5	29.2	29.1	-.79	-1.10	-1.21	-.31	-.42
12:00	31.5	30.7	30.4	30.3	-.78	-1.05	-1.21	-.27	-.43
13:00	32.3	31.3	31.1	31.0	-.94	-1.21	-1.29	-.26	-.35
14:00	32.5	31.7	31.4	31.3	-.83	-1.10	-1.19	-.27	-.36
15:00	33.3	32.3	32.0	32.0	-.97	-1.22	-1.31	-.25	-.34
16:00	32.8	32.1	31.8	31.7	-.76	-1.05	-1.14	-.29	-.38
17:00	31.3	30.7	30.4	30.3	-.59	-.86	-.95	-.27	-.37
18:00	31.7	31.1	30.9	30.8	-.58	-.82	-.88	-.24	-.30
19:00	31.0	30.6	30.4	30.4	-.38	-.58	-.57	-.20	-.19
20:00	29.3	29.4	29.2	29.3	.01	-.10	-.06	-.11	-.07
21:00	27.0	27.6	27.8	28.0	.59	.76	.96	.18	.37
22:00	25.4	26.3	26.7	27.0	.91	1.32	1.63	.41	.72
23:00	24.5	25.4	25.7	26.0	.92	1.16	1.48	.23	.56
Avg	26.7	26.6	26.6	26.8	-.09	-.09	.04	.01	.13
Max	33.3	32.3	32.0	32.0	.92	1.32	1.63	.55	1.07
Hr. of Max	15	15	15	15	23	22	22	04	06
Min	20.8	21.1	21.6	21.9	-.97	-1.22	-1.31	-.31	-.43
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/19/2015

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	20.8	21.4	21.3	27.6	93.9	94.2	18.1	18.7	0.015921
01:00	20.7	21.3	21.2	27.4	94.3	94.7	18.0	18.6	0.015878
02:00	20.5	21.2	21.0	27.2	94.4	96.2	17.8	18.5	0.015678
03:00	20.3	21.1	20.8	27.0	94.5	96.6	17.6	18.4	0.015486
04:00	20.0	21.0	20.4	26.8	94.8	97.7	17.2	18.3	0.015134
05:00	19.7	20.6	20.2	26.6	94.8	97.9	17.0	17.9	0.014918
06:00	19.7	20.4	20.1	26.4	95.4	98.4	17.0	17.7	0.014882
07:00	20.1	20.8	20.5	26.3	95.5	98.6	17.3	18.2	0.01524
08:00	21.3	21.1	21.9	26.1	92.6	93.0	18.6	18.4	0.016468
09:00	22.3	21.9	23.4	26.0	84.5	84.6	19.6	19.1	0.017505
10:00	22.6	22.1	24.4	26.0	74.6	74.6	19.8	19.2	0.01788
11:00	22.4	21.9	25.0	26.3	65.0	65.9	19.5	19.0	0.017717
12:00	21.8	21.4	25.0	26.8	58.6	59.7	18.8	18.3	0.017125
13:00	21.8	21.4	25.3	27.4	55.8	57.4	18.7	18.3	0.017076
14:00	21.5	21.4	25.1	28.1	54.1	56.4	18.3	18.3	0.016763
15:00	20.8	20.6	25.0	28.5	49.7	51.8	17.6	17.4	0.016111
16:00	20.8	20.7	24.8	28.7	51.1	52.9	17.6	17.5	0.016154
17:00	22.5	22.4	25.4	29.0	61.6	63.1	19.6	19.4	0.017876
18:00	22.5	22.3	25.6	29.2	60.4	61.6	19.6	19.4	0.017942
19:00	23.6	23.4	26.0	29.3	67.1	67.8	20.9	20.7	0.01909
20:00	24.1	24.0	25.8	29.4	75.9	75.3	21.6	21.4	0.019669
21:00	23.4	23.3	24.6	29.4	83.3	80.2	20.9	20.8	0.018828
22:00	22.7	22.9	23.6	29.2	87.8	83.9	20.2	20.3	0.018069
23:00	22.4	22.9	23.1	29.0	90.4	88.5	19.8	20.4	0.017648
Avg	21.6	21.7	23.3	27.7	77.9	78.8	18.8	18.9	0.016877
Max	24.1	24.0	26.0	29.4	95.5	98.6	21.6	21.4	0.019669
Hr. of Max	20	20	19	21	07	07	20	20	20
Min	19.7	20.4	20.1	26.0	49.7	51.8	17.0	17.4	0.014882
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/19/2015

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	0.016523	24.6	25.5	.00	29.13	986.4	-2.7	.00	8.9
01:00	0.016446	24.5	25.4	.00	29.12	986.1	-1.6	.00	34.7
02:00	0.016307	24.2	25.2	.00	29.10	985.6	-2.4	.00	292.2
03:00	0.016208	23.9	25.0	.00	29.09	985.2	-2.6	.00	281.3
04:00	0.016124	23.4	24.9	.00	29.10	985.3	-2.3	.00	247.2
05:00	0.015763	23.1	24.4	.00	29.10	985.3	-2.3	.00	234.9
06:00	0.015546	23.0	24.0	.00	29.09	985.0	.6	.00	228.9
07:00	0.015998	23.6	24.7	.00	29.09	985.2	59.8	.09	323.8
08:00	0.016294	25.4	25.2	.00	29.11	985.8	272.4	.39	204.5
09:00	0.017075	27.0	26.3	.00	29.12	986.2	443.7	.64	217.8
10:00	0.017314	27.6	26.7	.00	29.12	986.2	684.0	.98	205.8
11:00	0.017183	27.3	26.5	.00	29.11	985.9	796.9	1.14	246.0
12:00	0.016664	26.4	25.7	.00	29.10	985.5	940.2	1.35	235.4
13:00	0.016659	26.3	25.7	.00	29.10	985.6	871.2	1.25	243.1
14:00	0.016651	25.8	25.7	.00	29.08	984.9	746.1	1.07	288.0
15:00	0.015902	24.8	24.5	.00	29.06	984.3	793.0	1.14	291.1
16:00	0.016033	24.9	24.7	.00	29.04	983.5	558.5	.80	267.2
17:00	0.017709	27.5	27.2	.00	29.04	983.4	366.5	.53	237.9
18:00	0.01769	27.6	27.2	.00	29.02	982.9	347.3	.50	254.4
19:00	0.018888	29.3	29.0	.00	29.03	983.1	195.6	.28	240.6
20:00	0.019517	30.2	29.9	.00	29.05	983.7	28.0	.04	195.2
21:00	0.018777	28.9	28.8	.00	29.05	983.7	-1.8	.00	246.4
22:00	0.018214	27.8	28.0	.00	29.05	983.8	-2.3	.00	251.3
23:00	0.018265	27.1	28.1	.00	29.05	983.7	-2.1	.00	247.7
Avg	0.01699	26.0	26.2	.00	29.08	984.8	295.2	.43	253.0
Max	0.019517	30.2	29.9	.00	29.13	986.4	940.2	1.35	323.8
Hr. of Max	20	20	20	23	00	00	12	12	07
Min	0.015546	23.0	24.0	.00	29.02	982.9	-2.7	.00	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)

7/19/2015

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	70.5	89.8	1.6	88.6	33.7	37.5	25.3	.9	1.2
01:00	67.6	73.9	33.3	70.3	38.1	20.9	9.3	.8	2.0
02:00	20.1	71.1	290.4	70.7	36.8	44.9	17.1	.7	.3
03:00	315.0	283.8	277.0	280.2	30.6	43.1	32.4	1.1	.9
04:00	243.5	239.8	250.1	241.1	11.1	12.4	17.9	1.4	1.6
05:00	241.9	252.5	239.8	252.9	34.8	9.2	9.8	1.2	2.6
06:00	229.5	249.7	236.3	250.6	38.1	12.3	14.2	1.7	3.0
07:00	78.7	150.4	307.2	149.3	32.7	33.4	44.7	.4	.1
08:00	230.0	241.2	211.1	242.7	18.0	11.8	8.2	2.7	3.3
09:00	230.2	235.0	222.5	236.9	24.2	19.4	16.5	2.8	3.4
10:00	216.7	220.1	210.2	221.2	27.7	25.3	22.6	3.3	3.7
11:00	256.6	259.0	251.2	259.6	31.6	29.0	25.8	3.0	3.8
12:00	249.4	253.6	236.8	250.7	70.3	65.1	58.5	1.2	1.5
13:00	254.3	256.7	247.2	257.4	34.8	29.7	27.7	4.5	5.8
14:00	295.7	292.8	288.1	290.5	42.0	33.7	27.3	2.9	4.2
15:00	292.0	285.5	294.0	284.0	38.6	31.9	26.4	3.0	4.3
16:00	275.2	272.1	270.8	271.7	29.9	25.3	21.5	3.8	5.1
17:00	246.9	252.0	241.9	253.2	23.3	16.3	13.9	3.7	5.1
18:00	262.0	265.8	255.0	266.0	28.0	23.7	18.5	2.4	3.4
19:00	243.0	240.7	243.2	242.2	25.5	15.9	10.5	2.1	3.5
20:00	200.3	197.8	199.2	199.2	26.0	19.2	13.4	2.2	3.6
21:00	222.0	208.2	247.7	210.1	27.0	12.0	7.8	1.6	3.3
22:00	241.5	226.0	254.2	228.5	15.3	9.0	5.9	1.8	3.6
23:00	241.0	228.7	251.3	231.1	12.2	6.7	4.0	2.0	3.9
Avg	251.0	242.0	255.0	243.0	30.4	24.5	20.0	.0	.0
Max	315.0	292.8	307.2	290.5	70.3	65.1	58.5	4.5	5.8
Hr. of Max	03	14	07	14	12	12	12	13	13
Min	20.1	71.1	1.6	70.3	11.1	6.7	4.0	.4	.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/19/2015

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	1.1	1.5	1.7	1.3	2.0	3.1	.9	.03
01:00	2.9	1.2	2.1	2.9	1.5	3.2	1.6	-.4	.01
02:00	.4	1.0	.4	.5	1.4	.9	1.2	2.0	.02
03:00	1.2	1.3	1.2	1.4	1.6	1.7	.9	1.3	.01
04:00	2.0	1.6	1.8	2.1	1.9	2.4	.0	2.1	.00
05:00	2.4	1.2	2.6	2.4	1.6	2.7	.3	2.3	-.01
06:00	3.0	1.8	3.1	3.1	2.2	3.3	-1.3	1.4	-.08
07:00	.5	1.1	1.1	1.5	1.4	1.8	3.0	-.6	.06
08:00	4.2	2.8	3.4	4.3	3.3	4.7	-.6	-.3	-.09
09:00	3.9	3.1	3.6	4.1	3.6	4.5	1.8	-.9	.05
10:00	3.9	3.7	4.1	4.3	4.3	4.8	-.5	-.4	-.11
11:00	4.4	4.1	4.9	5.2	4.6	5.7	.0	.7	-.14
12:00	1.7	2.3	2.5	2.6	2.8	3.3	3.7	7.7	.18
13:00	6.2	5.2	6.4	6.8	5.8	7.5	-1.8	-2.2	-.35
14:00	5.2	3.7	5.0	5.9	4.2	6.3	.9	-2.3	-.13
15:00	5.0	3.6	4.7	5.4	4.0	5.8	2.1	.9	-.08
16:00	5.8	4.4	5.8	6.5	5.0	7.0	-2.8	.7	-.40
17:00	6.1	4.0	5.3	6.3	4.4	6.7	.6	1.1	-.16
18:00	4.1	2.7	3.7	4.3	3.2	4.7	1.6	2.3	-.06
19:00	4.6	2.3	3.7	4.7	2.7	5.1	4.1	2.2	.04
20:00	4.9	2.5	3.9	5.3	3.0	5.6	2.3	1.7	.03
21:00	4.8	1.8	3.4	4.9	2.2	5.2	-.1	-.3	-.06
22:00	5.1	2.0	3.6	5.1	2.3	5.5	-.4	.4	-.05
23:00	5.5	2.1	3.9	5.5	2.5	5.9	-1.3	.9	-.06
Avg	.0	2.5	3.4	4.0	3.0	4.4	.8	.9	-.06
Max	6.2	5.2	6.4	6.8	5.8	7.5	4.1	7.7	.18
Hr. of Max	13	13	13	13	13	13	19	12	12
Min	.4	1.0	.4	.5	1.3	.9	-2.8	-2.3	-.40
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

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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	.03	3.0	3.4	3.9	3.4	4.1	11.6	9.5
01:00	-.02	3.0	4.8	6.4	3.5	6.8	12.4	5.3
02:00	.03	3.0	3.9	2.3	3.0	2.1	6.2	9.5
03:00	.05	3.9	4.1	3.4	4.2	3.7	6.7	5.9
04:00	.08	2.7	3.4	5.7	3.2	4.1	4.7	3.6
05:00	.11	3.9	6.2	5.0	4.4	5.3	8.1	3.3
06:00	.07	4.6	6.0	6.2	6.2	6.5	7.3	3.5
07:00	-.01	3.7	4.1	4.8	4.3	5.2	10.5	7.2
08:00	-.02	6.2	7.8	9.4	7.0	7.6	14.1	6.1
09:00	-.13	8.0	7.3	7.8	8.5	9.4	19.1	13.5
10:00	-.09	9.8	10.1	10.1	8.9	10.3	20.6	19.5
11:00	-.03	10.5	11.0	11.2	13.1	11.7	19.8	18.7
12:00	.33	7.6	7.3	7.6	8.7	8.5	28.9	31.0
13:00	-.36	13.3	13.5	14.0	13.7	16.0	17.9	15.8
14:00	-.46	10.8	11.4	12.1	12.2	13.2	21.9	18.4
15:00	-.22	12.6	12.1	12.8	12.3	13.9	23.8	19.9
16:00	-.08	12.6	13.1	14.0	13.4	15.7	18.6	17.4
17:00	-.01	9.8	16.9	20.2	11.2	14.2	18.1	12.2
18:00	.01	7.1	8.5	10.3	8.2	11.2	21.2	15.6
19:00	.14	6.4	8.2	9.4	6.7	8.7	20.0	9.3
20:00	.12	7.6	7.8	9.2	8.5	9.3	16.8	7.1
21:00	-.04	7.8	9.8	9.8	6.3	8.5	9.5	3.8
22:00	.06	4.4	7.1	9.2	5.3	9.8	8.0	3.1
23:00	.10	4.6	6.0	9.6	4.5	9.2	4.3	2.3
Avg	-.01	7.0	8.1	8.9	7.5	9.0	14.6	10.9
Max	.33	13.3	16.9	20.2	13.7	16.0	28.9	31.0
Hr. of Max	12	13	17	17	13	13	12	12
Min	-.46	2.7	3.4	2.3	3.0	2.1	4.3	2.3
Count	24	24	24	24	24	24	24	24
Total								