Date Printed: 06/21/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/20/2015

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	23.1	24.2	24.3	24.8	1.08	1.18	1.66	.10	.59
01:00	22.4	23.7	24.4	25.1	1.31	1.99	2.65	.68	1.34
02:00	22.4	24.6	24.8	25.0	2.22	2.41	2.54	.18	.32
03:00	22.6	24.3	24.8	25.0	1.73	2.23	2.39	.50	.66
04:00	22.4	24.1	24.7	25.0	1.74	2.27	2.66	.52	.92
05:00	23.7	24.6	24.8	25.1	.91	1.18	1.46	.26	.55
06:00	24.8	25.0	25.0	25.1	.25	.25	.34	.00	.09
07:00	24.1	24.2	24.2	24.3	.10	.08	.18	-.02	.08
08:00	23.6	23.7	23.6	23.7	.02	-.02	.08	-.04	.06
09:00	24.3	24.2	24.1	24.1	-.08	-.24	-.24	-.16	-.17
10:00	25.6	25.4	25.2	25.1	-.19	-.41	-.46	-.21	-.27
11:00	26.4	26.2	25.9	25.9	-.23	-.47	-.51	-.23	-.28
12:00	25.1	25.1	24.9	25.0	-.08	-.19	-.15	-.11	-.06
13:00	25.7	25.2	25.1	25.1	-.53	-.62	-.63	-.09	-.10
14:00	28.3	27.5	27.3	27.2	-.74	-.95	-1.06	-.21	-.32
15:00	28.7	28.2	28.0	27.9	-.51	-.73	-.82	-.22	-.31
16:00	29.1	28.5	28.3	28.1	-.59	-.86	-1.02	-.28	-.43
17:00	28.9	28.4	28.2	28.1	-.47	-.69	-.82	-.22	-.35
18:00	28.2	27.8	27.7	27.7	-.32	-.48	-.50	-.16	-.18
19:00	27.6	27.6	27.5	27.6	.05	-.04	-.01	-.10	-.06
20:00	25.1	26.5	26.6	26.8	1.39	1.54	1.70	.15	.31
21:00	23.0	25.2	25.6	25.9	2.17	2.60	2.95	.43	.78
22:00	21.9	23.9	24.7	25.2	1.97	2.78	3.26	.82	1.29
23:00	21.2	22.7	23.5	24.7	1.44	2.25	3.52	.80	2.08
Avg	24.9	25.5	25.6	25.7	.53	.63	.80	.10	.27
Max	29.1	28.5	28.3	28.1	2.22	2.78	3.52	.82	2.08
Hr. of Max	16	16	16	17	02	22	23	22	23
Min	21.2	22.7	23.5	23.7	-.74	-.95	-1.06	-.28	-.43
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/20/2015

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	21.3	21.5	21.9	27.4	92.1	87.4	18.6	18.8	0.016521
01:00	21.0	21.3	21.4	27.2	93.8	88.6	18.2	18.6	0.016131
02:00	21.0	20.3	21.5	26.9	94.0	78.9	18.3	17.4	0.016153
03:00	20.9	20.1	21.5	26.7	92.5	79.3	18.2	17.2	0.016102
04:00	20.7	20.1	21.3	26.5	92.6	80.4	18.0	17.2	0.015895
05:00	20.6	20.4	21.6	26.4	85.4	79.7	17.8	17.5	0.015812
06:00	20.4	20.3	21.8	26.2	78.6	77.0	17.5	17.4	0.015568
07:00	20.6	20.6	21.8	26.0	83.0	82.3	17.8	17.7	0.015834
08:00	20.9	20.9	21.8	25.9	87.1	86.9	18.1	18.1	0.016133
09:00	20.4	20.2	21.7	25.8	80.7	80.3	17.5	17.3	0.015567
10:00	20.6	20.4	22.3	25.8	76.2	76.2	17.7	17.5	0.015831
11:00	20.5	20.3	22.5	25.8	72.0	72.1	17.5	17.3	0.015721
12:00	20.7	20.6	22.2	25.9	78.9	78.7	17.8	17.7	0.015918
13:00	21.7	21.2	23.1	26.0	81.3	81.2	19.0	18.4	0.016991
14:00	21.1	20.7	23.5	26.2	67.4	68.4	18.2	17.7	0.016395
15:00	20.3	19.9	23.1	26.5	62.2	62.8	17.2	16.9	0.015527
16:00	20.1	19.8	23.1	26.8	60.2	60.9	17.1	16.7	0.01542
17:00	19.7	19.3	22.7	27.0	59.2	59.5	16.6	16.2	0.014945
18:00	19.7	19.5	22.6	27.3	62.1	62.1	16.7	16.4	0.015016
19:00	19.9	19.4	22.4	27.4	64.7	62.6	16.8	16.3	0.015111
20:00	20.3	19.4	21.9	27.4	77.0	66.7	17.4	16.3	0.015515
21:00	20.2	19.7	21.1	27.2	86.6	73.7	17.4	16.7	0.015387
22:00	20.0	19.9	20.6	27.0	90.8	80.4	17.2	17.0	0.01514
23:00	19.6	19.9	20.2	26.8	92.9	86.7	16.9	17.1	0.014812
Avg	20.5	20.2	22.0	26.6	79.6	75.5	17.6	17.3	0.015727
Max	21.7	21.5	23.5	27.4	94.0	88.6	19.0	18.8	0.016991
Hr. of Max	13	00	14	20	02	01	13	00	13
Min	19.6	19.3	20.2	25.8	59.2	59.5	16.6	16.2	0.014812
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/20/2015

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	0.016729	25.5	25.8	.00	29.06	984.2	-2.5	.00	45.7
01:00	0.016497	24.9	25.4	.00	29.06	984.1	-1.7	.00	296.9
02:00	0.0155	24.9	23.9	.00	29.05	983.7	-2.8	.00	267.3
03:00	0.015318	24.8	23.6	.00	29.03	983.0	-1.6	.00	229.1
04:00	0.015334	24.5	23.6	.00	29.02	982.7	-2.1	.00	268.4
05:00	0.015611	24.4	24.1	.00	29.02	982.7	-3.2	.00	215.6
06:00	0.015494	24.0	23.9	.00	29.02	982.9	6.4	.01	208.8
07:00	0.015784	24.4	24.3	.02	29.03	983.2	31.3	.04	219.0
08:00	0.016113	24.9	24.8	.00	29.03	983.2	83.3	.12	213.7
09:00	0.015405	24.0	23.8	.00	29.04	983.5	235.6	.34	215.0
10:00	0.01566	24.4	24.1	.00	29.04	983.3	314.6	.45	220.4
11:00	0.015532	24.2	24.0	.00	29.04	983.3	347.4	.50	217.6
12:00	0.015796	24.5	24.4	.12	29.04	983.5	220.9	.32	236.3
13:00	0.016436	26.2	25.3	.00	29.05	983.8	812.0	1.16	237.9
14:00	0.015933	25.3	24.6	.00	29.04	983.6	847.1	1.21	242.0
15:00	0.015207	24.0	23.5	.00	29.05	983.6	574.6	.82	240.9
16:00	0.015078	23.8	23.3	.00	29.04	983.5	465.1	.67	249.6
17:00	0.014624	23.1	22.6	.00	29.05	983.7	392.1	.56	257.0
18:00	0.014743	23.2	22.8	.00	29.05	983.9	234.1	.34	269.0
19:00	0.014678	23.3	22.7	.00	29.05	983.9	195.7	.28	272.9
20:00	0.014619	24.0	22.6	.00	29.07	984.4	19.9	.03	281.0
21:00	0.014917	23.8	23.1	.00	29.07	984.5	-2.3	.00	292.8
22:00	0.0151	23.4	23.3	.00	29.08	984.9	-2.4	.00	296.3
23:00	0.015086	22.9	23.3	.00	29.09	985.2	-2.3	.00	291.7
Avg	0.015466	24.3	23.9	.01	29.05	983.7	198.3	.29	250.0
Max	0.016729	26.2	25.8	.12	29.09	985.2	847.1	1.21	296.9
Hr. of Max	00	13	00	12	23	23	14	14	01
Min	0.014619	22.9	22.6	.00	29.02	982.7	-3.2	.00	45.7
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/20/2015

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	63.3	67.4	48.9	64.1	17.4	12.0	7.8	1.1	2.1
01:00	142.9	171.2	295.2	171.8	25.0	27.8	20.3	.9	1.2
02:00	234.5	214.7	271.3	216.5	17.5	12.0	10.8	1.7	3.0
03:00	215.6	205.6	233.0	207.0	28.4	13.0	9.9	.7	2.8
04:00	190.6	192.8	264.8	194.4	59.9	22.8	8.7	.4	2.7
05:00	210.6	208.0	220.9	209.9	21.2	13.8	10.3	3.6	6.9
06:00	214.4	211.3	213.8	213.2	23.5	15.9	11.6	4.7	7.9
07:00	219.8	216.1	223.9	218.3	25.1	16.3	11.8	4.8	8.1
08:00	218.7	214.8	220.5	217.0	22.8	15.2	12.7	5.9	9.0
09:00	220.4	219.8	222.2	222.1	23.1	16.8	12.6	8.2	12.4
10:00	224.5	223.2	225.4	225.3	25.1	17.2	12.9	8.8	13.3
11:00	222.9	220.5	224.0	222.6	24.9	16.8	12.7	8.5	12.9
12:00	239.6	237.6	241.2	239.6	24.7	16.7	13.1	7.5	11.7
13:00	244.2	245.2	244.1	246.9	22.6	15.7	12.5	8.3	12.2
14:00	246.4	245.0	247.4	246.4	26.3	20.4	16.2	8.1	11.4
15:00	245.8	245.7	246.8	247.4	24.7	16.8	13.8	7.9	11.5
16:00	253.8	256.4	254.4	257.6	24.4	18.6	17.3	6.6	9.4
17:00	262.9	263.9	262.6	264.7	28.5	18.1	15.3	5.6	8.5
18:00	277.0	277.4	273.3	277.8	25.7	18.4	14.4	3.7	5.6
19:00	275.1	276.6	276.1	276.9	22.9	16.4	12.9	3.5	5.4
20:00	275.1	275.6	282.7	275.7	21.7	12.9	9.7	1.8	4.0
21:00	285.8	285.6	291.8	284.6	21.9	16.1	8.1	1.2	2.8
22:00	248.2	285.1	295.8	285.0	43.7	27.2	13.0	.7	1.1
23:00	225.2	263.1	289.7	262.4	21.2	35.6	16.5	1.0	.9
Avg	235.0	236.0	254.0	238.0	25.9	18.0	12.7	.0	.0
Max	285.8	285.6	295.8	285.0	59.9	35.6	20.3	8.8	13.3
Hr. of Max	21	21	22	22	04	23	01	10	10
Min	63.3	67.4	48.9	64.1	17.4	12.0	7.8	.4	.9
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/20/2015

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	3.7	1.1	2.2	3.7	1.4	3.9	-1.1	1.3	-.04
01:00	2.7	1.1	2.0	3.6	1.4	3.9	.9	-1.4	.01
02:00	3.9	1.8	3.2	4.1	2.0	4.4	1.0	-1.2	.01
03:00	4.5	1.1	3.0	4.6	1.5	4.9	2.1	-1.2	.03
04:00	5.5	.9	2.8	5.5	1.3	5.8	1.1	1.5	.02
05:00	10.2	3.8	7.2	10.4	4.4	11.0	.2	.7	-.08
06:00	10.6	5.1	8.2	10.8	5.7	11.5	.9	-.2	-.13
07:00	11.0	5.2	8.4	11.2	5.8	12.0	.5	1.4	-.15
08:00	11.9	6.3	9.3	12.2	6.9	12.9	-1.0	.4	-.32
09:00	15.4	8.8	12.9	15.8	9.6	16.7	.4	.7	-.28
10:00	16.6	9.5	13.8	17.0	10.2	18.0	.4	1.1	-.36
11:00	16.3	9.2	13.5	16.7	10.2	17.8	.1	1.2	-.31
12:00	15.0	8.3	12.4	15.7	9.1	16.6	-.7	.4	-.47
13:00	14.5	8.9	12.7	15.0	10.0	15.9	-1.5	.1	-.56
14:00	14.0	8.9	12.1	14.6	9.6	15.6	-.6	1.7	-.47
15:00	13.6	8.5	11.9	14.0	9.3	15.0	.1	1.1	-.35
16:00	11.1	7.3	9.9	11.6	8.1	12.4	-1.6	1.8	-.50
17:00	10.6	6.1	8.8	11.0	6.7	11.5	-1.4	.1	-.47
18:00	7.4	4.0	5.9	7.7	4.4	7.9	-.5	.4	-.26
19:00	7.3	3.7	5.6	7.5	4.0	7.7	-2.3	.3	-.26
20:00	6.1	2.0	4.1	6.2	2.3	6.3	-2.1	.0	-.13
21:00	5.6	1.4	2.9	5.7	1.7	5.6	-1.1	1.8	-.06
22:00	3.4	1.0	1.4	3.5	1.2	3.5	.0	.6	-.01
23:00	1.7	1.4	1.4	1.9	1.6	2.2	.0	-.8	.01
Avg	.0	4.8	7.3	9.6	5.4	10.1	-.3	.5	-.21
Max	16.6	9.5	13.8	17.0	10.2	18.0	2.1	1.8	.03
Hr. of Max	10	10	10	10	11	10	03	21	03
Min	1.7	.9	1.4	1.9	1.2	2.2	-2.3	-1.4	-.56
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/20/2015

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	3.0	8.5	7.8	3.2	5.7	10.6	7.9
01:00	-.11	5.5	6.9	9.2	5.4	9.8	11.2	10.4
02:00	-.09	3.9	8.9	10.8	4.6	8.2	11.2	7.0
03:00	-.12	3.4	6.0	8.2	3.7	8.9	14.1	6.8
04:00	.12	5.0	9.4	14.2	4.9	10.6	14.4	5.8
05:00	.01	14.2	19.7	20.6	17.3	21.8	15.6	7.2
06:00	-.16	16.0	22.4	30.9	17.3	22.5	17.9	8.8
07:00	.15	14.7	18.5	20.2	17.1	21.5	18.2	8.9
08:00	-.06	24.0	28.2	27.9	25.9	28.9	15.5	8.7
09:00	-.11	22.9	26.6	36.0	23.4	31.4	17.9	10.1
10:00	.09	25.6	27.9	33.2	28.1	34.9	18.4	9.3
11:00	.13	25.4	31.8	51.3	28.6	34.4	17.2	9.7
12:00	-.08	28.9	33.9	34.6	22.4	31.1	17.1	9.0
13:00	-.16	25.0	29.1	27.5	24.6	31.5	15.3	9.6
14:00	.12	25.4	31.8	34.8	26.9	34.0	17.6	11.8
15:00	-.01	26.6	35.7	30.9	27.2	32.0	16.8	10.2
16:00	.12	23.1	22.4	26.8	22.7	27.0	17.6	12.2
17:00	-.22	17.4	25.9	34.3	18.0	25.1	18.5	11.3
18:00	-.11	11.4	14.2	15.8	12.9	17.2	19.8	11.2
19:00	-.13	10.3	11.2	13.3	12.4	14.0	15.3	10.8
20:00	-.06	7.6	14.4	17.6	7.7	11.5	13.8	7.5
21:00	.13	6.2	8.5	13.5	4.9	9.6	12.7	5.8
22:00	.05	2.7	5.5	9.2	2.9	9.3	10.5	8.5
23:00	.00	3.2	3.4	3.7	3.3	3.9	7.3	6.5
Avg	-.02	14.6	18.8	22.2	15.2	20.2	15.2	9.0
Max	.15	28.9	35.7	51.3	28.6	34.9	19.8	12.2
Hr. of Max	07	12	15	11	11	10	18	16
Min	-.22	2.7	3.4	3.7	2.9	3.9	7.3	5.8
Count	24	24	24	24	24	24	24	24
Total								