Date Printed: 04/21/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/20/2015

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	14.2	15.0	15.2	15.4	.85	1.05	1.25	.20	.40
01:00	13.6	14.6	14.8	15.2	.98	1.20	1.58	.22	.60
02:00	13.8	14.5	14.7	15.3	.67	.85	1.47	.17	.80
03:00	14.3	14.8	15.2	15.5	.50	.87	1.18	.37	.68
04:00	14.6	15.3	15.4	15.5	.73	.82	.97	.09	.24
05:00	14.3	14.8	14.8	14.9	.44	.44	.55	.00	.12
06:00	14.0	14.1	14.1	14.2	.17	.14	.22	-.03	.05
07:00	13.7	14.0	14.0	14.0	.34	.31	.32	-.04	-.02
08:00	14.3	14.3	14.3	14.3	-.02	-.08	-.03	-.06	-.01
09:00	16.0	15.6	15.4	15.3	-.35	-.58	-.63	-.23	-.28
10:00	17.4	17.0	16.9	16.8	-.33	-.50	-.57	-.17	-.24
11:00	18.9	18.5	18.2	18.1	-.45	-.72	-.84	-.27	-.39
12:00	19.6	19.3	19.1	19.0	-.30	-.51	-.59	-.21	-.29
13:00	19.5	19.3	19.1	19.0	-.23	-.42	-.50	-.20	-.27
14:00	20.9	20.3	20.1	20.0	-.53	-.78	-.90	-.25	-.37
15:00	21.4	21.0	20.7	20.6	-.45	-.74	-.86	-.29	-.41
16:00	22.0	21.5	21.2	21.0	-.49	-.80	-.93	-.31	-.44
17:00	19.8	19.5	19.3	19.2	-.22	-.44	-.56	-.22	-.33
18:00	19.2	19.1	18.9	18.9	-.12	-.31	-.39	-.19	-.27
19:00	17.9	17.9	17.7	17.7	.00	-.16	-.21	-.16	-.20
20:00	14.7	14.7	14.5	14.4	-.05	-.23	-.31	-.19	-.26
21:00	13.6	13.7	13.6	13.6	.06	-.06	-.09	-.13	-.15
22:00	12.7	13.2	13.2	13.3	.50	.53	.61	.02	.10
23:00	10.2	11.9	12.5	12.7	1.68	2.24	2.50	.56	.82
Avg	16.3	16.4	16.4	16.4	.14	.09	.14	-.06	-.01
Max	22.0	21.5	21.2	21.0	1.68	2.24	2.50	.56	.82
Hr. of Max	16	16	16	16	23	23	23	23	23
Min	10.2	11.9	12.5	12.7	-.53	-.80	-.93	-.31	-.44
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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4/20/2015

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	13.4	14.1	13.7	18.2	96.9	95.9	11.7	12.1	0.010016
01:00	12.9	13.9	13.2	18.0	97.2	97.3	11.3	12.0	0.009683
02:00	13.2	14.0	13.4	17.8	97.7	98.2	11.5	12.0	0.009864
03:00	13.7	14.2	13.9	17.6	97.8	97.8	11.9	12.2	0.010202
04:00	14.0	14.7	14.2	17.5	97.8	97.7	12.0	12.6	0.010369
05:00	13.5	13.9	13.8	17.2	96.3	96.2	11.7	12.0	0.010053
06:00	12.8	13.0	13.2	16.4	94.4	94.4	11.2	11.3	0.009632
07:00	12.5	12.7	12.9	16.2	94.2	93.2	11.0	11.1	0.009444
08:00	13.3	13.0	13.6	16.2	94.8	93.2	11.5	11.3	0.009906
09:00	13.5	13.1	14.3	16.1	86.9	86.5	11.7	11.4	0.01009
10:00	13.6	13.2	14.9	16.2	80.0	79.5	11.7	11.4	0.010137
11:00	12.8	12.2	14.9	16.4	69.1	68.3	11.1	10.6	0.009658
12:00	11.8	11.3	14.4	16.8	61.8	60.9	10.3	10.0	0.009009
13:00	11.5	11.0	14.2	17.2	61.0	59.9	10.1	9.8	0.008852
14:00	10.4	9.6	13.9	17.5	52.2	51.1	9.4	8.9	0.008224
15:00	8.8	8.0	13.0	17.7	45.4	44.1	8.4	8.0	0.007421
16:00	8.1	7.2	12.7	17.9	41.8	40.6	8.0	7.6	0.007068
17:00	8.3	7.8	12.1	18.2	48.5	47.6	8.2	7.9	0.007143
18:00	6.6	6.2	10.8	18.3	44.5	43.5	7.3	7.1	0.006349
19:00	6.9	6.6	10.6	18.3	49.6	48.7	7.5	7.3	0.006481
20:00	8.4	8.3	10.5	18.2	66.9	66.7	8.3	8.3	0.00713
21:00	8.5	8.4	10.2	17.9	72.0	71.2	8.4	8.4	0.007162
22:00	7.5	7.1	9.2	17.7	71.7	67.3	7.9	7.7	0.006674
23:00	7.7	6.8	8.5	17.4	85.1	71.9	8.0	7.5	0.006731
Avg	11.0	10.8	12.8	17.4	75.2	73.8	10.0	9.9	0.008637
Max	14.0	14.7	14.9	18.3	97.8	98.2	12.0	12.6	0.010369
Hr. of Max	04	04	11	19	04	02	04	04	04
Min	6.6	6.2	8.5	16.1	41.8	40.6	7.3	7.1	0.006349
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/20/2015

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	0.010467	15.5	16.1	.00	28.79	974.9	-1.1	.00	248.3
01:00	0.010328	14.9	15.9	.00	28.79	975.0	-2.3	.00	6.2
02:00	0.010365	15.2	16.0	.00	28.78	974.6	-3.6	-.01	50.5
03:00	0.010535	15.7	16.2	.00	28.78	974.5	-2.9	.00	208.4
04:00	0.01086	16.0	16.7	.00	28.76	973.9	-2.4	.00	291.9
05:00	0.010332	15.5	15.9	.30	28.77	974.4	-2.0	.00	254.7
06:00	0.00974	14.9	15.0	.11	28.77	974.1	-1.6	.00	151.9
07:00	0.009553	14.6	14.7	.00	28.76	973.8	23.9	.03	225.4
08:00	0.00972	15.3	15.0	.00	28.76	974.1	258.0	.37	237.6
09:00	0.009821	15.6	15.1	.00	28.77	974.2	333.3	.48	224.3
10:00	0.00986	15.6	15.2	.00	28.79	974.8	390.4	.56	232.5
11:00	0.009271	14.9	14.3	.00	28.80	975.2	629.8	.90	230.4
12:00	0.008711	13.9	13.5	.00	28.79	975.0	407.3	.58	239.8
13:00	0.00857	13.7	13.3	.00	28.79	975.1	324.4	.47	243.9
14:00	0.007789	12.7	12.1	.00	28.78	974.5	674.3	.97	237.0
15:00	0.007014	11.5	10.9	.00	28.76	974.0	670.4	.96	230.1
16:00	0.00665	10.9	10.3	.00	28.75	973.5	643.4	.92	224.4
17:00	0.006921	11.1	10.7	.00	28.77	974.2	254.8	.37	251.3
18:00	0.006163	9.8	9.6	.00	28.79	974.8	183.9	.26	244.0
19:00	0.006355	10.1	9.9	.00	28.82	975.9	45.5	.07	250.1
20:00	0.00709	11.1	11.0	.00	28.87	977.7	-.9	.00	263.6
21:00	0.007111	11.1	11.1	.00	28.91	979.0	-1.4	.00	251.6
22:00	0.006483	10.4	10.1	.00	28.94	980.2	-2.4	.00	258.6
23:00	0.006361	10.5	9.9	.00	28.96	980.8	-2.0	.00	259.2
Avg	0.008586	13.4	13.3	.02	28.80	975.3	200.7	.29	243.0
Max	0.01086	16.0	16.7	.30	28.96	980.8	674.3	.97	291.9
Hr. of Max	04	04	04	05	23	23	14	14	04
Min	0.006163	9.8	9.6	.00	28.75	973.5	-3.6	-.01	6.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/20/2015

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	249.2	242.2	249.9	244.0	27.8	17.9	11.2	1.7	3.7
01:00	91.6	280.8	6.6	285.2	30.1	49.2	60.0	.3	.4
02:00	71.5	66.6	40.2	312.7	50.5	53.2	49.5	.2	.7
03:00	232.1	226.8	236.2	229.4	36.9	23.9	7.1	.3	2.0
04:00	206.8	185.6	298.4	186.8	27.1	44.8	27.0	.3	1.0
05:00	253.3	237.9	260.8	244.1	43.1	30.5	32.4	4.9	7.2
06:00	175.2	188.4	160.3	191.2	49.0	37.8	23.8	1.2	2.4
07:00	213.3	194.3	229.6	196.0	43.9	33.6	27.7	1.6	2.8
08:00	239.7	231.5	241.9	233.7	16.3	11.9	9.4	3.0	4.8
09:00	229.9	227.5	229.9	229.7	23.2	16.1	12.4	5.6	8.1
10:00	237.7	237.0	238.9	239.0	21.4	15.6	12.7	8.1	11.4
11:00	234.6	234.3	236.4	236.1	22.2	18.1	13.6	9.1	12.5
12:00	240.5	239.3	245.7	241.5	22.0	15.2	11.6	8.4	12.4
13:00	246.7	244.7	249.4	246.4	21.7	16.3	12.6	8.3	11.9
14:00	240.5	240.3	244.0	242.1	24.1	17.3	13.6	9.2	12.7
15:00	236.1	235.8	236.8	237.7	23.0	17.3	13.9	10.2	14.6
16:00	231.2	232.0	229.7	233.9	23.8	15.8	13.3	10.1	14.1
17:00	257.2	259.8	257.2	260.7	22.8	19.4	16.6	9.5	12.5
18:00	248.6	250.7	250.0	252.2	21.8	16.1	13.5	8.9	12.3
19:00	255.3	255.4	255.6	256.5	22.3	17.5	14.7	7.4	10.8
20:00	275.5	279.5	269.3	279.2	26.0	20.3	17.0	6.6	9.1
21:00	264.6	270.0	257.3	270.5	24.2	20.8	15.9	3.7	5.3
22:00	266.6	269.4	263.0	270.3	18.9	13.9	10.6	3.7	6.1
23:00	236.3	242.7	261.5	244.2	19.5	9.5	8.4	1.3	3.3
Avg	237.0	239.0	250.0	244.0	27.6	23.0	18.7	.0	.0
Max	275.5	280.8	298.4	312.7	50.5	53.2	60.0	10.2	14.6
Hr. of Max	20	01	04	02	02	02	01	15	15
Min	71.5	66.6	6.6	186.8	16.3	9.5	7.1	.2	.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/20/2015

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	5.5	2.0	4.1	6.0	2.5	6.4	.0	.9	-.07
01:00	1.4	.6	1.0	1.4	.9	1.8	-.6	-.3	-.01
02:00	.4	.5	1.0	.8	.9	1.3	1.1	.3	.01
03:00	3.7	.4	2.0	3.7	.8	4.1	2.4	.8	.04
04:00	2.3	.8	1.6	2.6	1.2	3.0	1.3	.1	.02
05:00	8.7	5.8	8.3	9.8	6.3	10.5	-.6	.6	-.33
06:00	3.7	2.6	3.9	5.3	3.1	5.9	2.9	2.0	.05
07:00	3.9	2.2	3.4	4.5	2.6	5.0	.5	1.6	-.02
08:00	6.2	3.2	4.9	6.3	3.7	6.8	.3	.5	-.07
09:00	10.1	6.0	8.5	10.3	6.5	11.0	1.0	.3	-.11
10:00	13.8	8.6	11.9	14.1	9.5	15.1	-.1	.0	-.36
11:00	15.1	9.7	13.0	15.6	10.8	16.7	.2	.2	-.42
12:00	14.7	9.0	12.8	15.0	10.0	16.0	-.8	-.1	-.44
13:00	14.6	8.8	12.3	15.0	9.8	16.0	-.6	.1	-.41
14:00	14.7	9.9	13.3	15.2	10.7	16.3	.4	.2	-.40
15:00	17.6	11.0	15.2	18.1	12.1	19.4	-1.2	.7	-.61
16:00	16.6	10.8	14.6	17.0	11.7	18.3	.8	1.4	-.31
17:00	15.4	10.2	13.3	16.1	11.1	17.0	-.2	.0	-.46
18:00	15.1	9.5	12.8	15.5	10.4	16.5	-.2	-.1	-.39
19:00	13.3	8.2	11.5	14.2	9.1	15.0	-1.0	1.2	-.47
20:00	11.1	7.2	9.6	11.6	7.7	12.0	-2.8	-2.5	-.66
21:00	7.1	4.0	5.6	7.4	4.5	7.8	.1	-.9	-.12
22:00	8.3	3.9	6.3	8.5	4.4	8.8	.2	.6	-.14
23:00	4.8	1.4	3.4	4.9	1.8	5.3	-.9	1.1	-.02
Avg	.0	5.7	8.1	10.0	6.3	10.7	.1	.4	-.24
Max	17.6	11.0	15.2	18.1	12.1	19.4	2.9	2.0	.05
Hr. of Max	15	15	15	15	15	15	06	06	06
Min	.4	.4	1.0	.8	.8	1.3	-2.8	-2.5	-.66
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/20/2015

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	.07	8.7	16.9	17.4	9.5	15.6	13.4	6.8
01:00	.00	1.8	3.0	6.6	2.0	6.1	8.9	17.0
02:00	.02	2.5	3.9	6.9	2.9	8.8	10.5	15.8
03:00	.05	2.3	4.1	8.2	2.8	8.6	11.5	5.6
04:00	.02	3.7	6.2	8.5	4.4	9.8	8.8	8.7
05:00	.02	25.2	28.6	33.7	24.7	49.7	12.1	8.1
06:00	.15	14.9	16.5	23.1	14.2	57.4	17.6	13.1
07:00	-.02	7.8	9.6	11.0	7.5	10.8	19.6	17.2
08:00	.01	10.1	10.8	12.1	10.5	13.0	12.9	7.6
09:00	-.07	14.9	17.6	20.8	14.9	21.5	16.5	9.2
10:00	-.17	24.7	25.4	26.8	25.2	30.2	15.3	9.7
11:00	-.18	24.7	26.3	31.4	28.8	29.3	16.3	10.3
12:00	-.20	36.4	37.1	40.5	22.5	26.9	14.9	9.0
13:00	-.23	22.0	28.4	28.4	24.3	32.4	14.4	9.1
14:00	-.17	25.0	27.7	30.0	25.8	33.1	16.3	10.4
15:00	-.05	27.2	33.4	39.8	28.9	37.5	15.2	9.1
16:00	.26	27.5	30.7	34.6	30.0	35.7	16.3	9.6
17:00	-.42	26.3	27.9	37.3	29.3	33.3	16.2	11.8
18:00	-.28	51.5	46.9	57.5	27.6	34.2	15.7	10.0
19:00	.01	23.6	27.0	29.1	23.1	31.5	15.8	10.3
20:00	-.79	18.1	29.5	36.4	19.9	26.9	16.9	12.8
21:00	-.31	13.3	23.1	21.8	12.3	18.4	17.4	11.8
22:00	-.06	10.5	14.7	17.4	13.5	18.5	14.5	8.9
23:00	.09	6.9	8.7	10.8	4.7	10.9	8.7	5.8
Avg	-.09	17.9	21.0	24.6	17.1	25.0	14.4	10.3
Max	.26	51.5	46.9	57.5	30.0	57.4	19.6	17.2
Hr. of Max	16	18	18	18	16	06	07	07
Min	-.79	1.8	3.0	6.6	2.0	6.1	8.7	5.6
Count	24	24	24	24	24	24	24	24
Total								