Date Printed: 06/19/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/18/2015

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	23.3	24.8	25.6	25.8	1.49	2.32	2.56	.83	1.07
01:00	22.6	23.9	24.6	25.2	1.35	2.02	2.60	.67	1.25
02:00	21.9	23.2	23.8	24.2	1.30	1.88	2.29	.58	1.00
03:00	21.5	22.5	22.9	23.6	1.05	1.45	2.14	.40	1.08
04:00	21.3	22.0	22.6	23.3	.74	1.36	2.03	.62	1.29
05:00	21.2	22.0	22.5	23.2	.84	1.33	1.97	.49	1.13
06:00	21.5	22.3	22.6	23.0	.71	1.06	1.44	.35	.73
07:00	22.4	22.4	22.6	22.9	.00	.18	.53	.18	.52
08:00	23.9	23.6	23.4	23.5	-.33	-.50	-.40	-.17	-.06
09:00	26.0	25.5	25.2	25.2	-.54	-.78	-.86	-.24	-.32
10:00	28.0	27.3	27.1	27.0	-.69	-.94	-1.03	-.25	-.35
11:00	29.1	28.5	28.3	28.1	-.58	-.84	-.98	-.26	-.40
12:00	29.7	29.0	28.7	28.6	-.73	-1.00	-1.11	-.27	-.38
13:00	30.3	29.6	29.3	29.2	-.68	-.93	-1.06	-.25	-.38
14:00	31.3	30.3	30.0	29.9	-1.03	-1.28	-1.35	-.26	-.33
15:00	31.5	30.7	30.5	30.4	-.79	-1.04	-1.10	-.26	-.31
16:00	30.6	29.9	29.7	29.7	-.69	-.94	-.92	-.25	-.23
17:00	29.9	29.2	29.0	28.9	-.73	-.98	-1.08	-.26	-.35
18:00	28.3	28.0	27.9	28.0	-.35	-.46	-.36	-.11	-.01
19:00	27.9	27.6	27.3	27.3	-.36	-.58	-.62	-.22	-.26
20:00	24.9	25.1	25.3	25.6	.15	.38	.70	.23	.54
21:00	23.9	24.1	24.3	24.8	.19	.39	.89	.20	.70
22:00	23.0	23.6	23.9	24.2	.63	.91	1.23	.28	.60
23:00	22.4	23.1	23.4	23.6	.72	1.02	1.21	.30	.50
Avg	25.7	25.8	25.9	26.1	.07	.17	.36	.10	.29
Max	31.5	30.7	30.5	30.4	1.49	2.32	2.60	.83	1.29
Hr. of Max	15	15	15	15	00	00	01	00	04
Min	21.2	22.0	22.5	22.9	-1.03	-1.28	-1.35	-.27	-.40
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/18/2015

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	20.0	20.3	21.1	28.5	84.2	78.5	17.2	17.4	0.015173
01:00	19.9	20.3	20.8	28.2	86.8	82.3	17.1	17.5	0.015018
02:00	19.7	20.4	20.4	27.9	89.3	86.2	16.9	17.6	0.01484
03:00	19.6	20.4	20.2	27.6	91.3	90.2	16.8	17.7	0.01477
04:00	19.6	20.5	20.2	27.3	92.4	93.2	16.8	17.7	0.014758
05:00	19.6	20.5	20.1	27.1	92.6	93.3	16.8	17.7	0.014708
06:00	19.9	20.5	20.5	26.9	92.7	92.3	17.1	17.8	0.01504
07:00	20.4	20.5	21.1	26.6	90.8	91.3	17.6	17.7	0.015526
08:00	20.7	20.6	21.8	26.5	84.5	85.8	17.9	17.8	0.015803
09:00	20.8	20.5	22.5	26.4	75.1	76.1	17.9	17.6	0.015916
10:00	20.6	20.2	23.1	26.4	66.0	67.1	17.6	17.2	0.015746
11:00	21.1	20.7	23.7	26.6	63.8	64.5	18.0	17.7	0.016237
12:00	21.0	20.6	23.9	27.0	61.2	62.2	17.9	17.5	0.016145
13:00	21.4	21.0	24.4	27.3	61.2	61.8	18.4	17.9	0.016635
14:00	21.1	20.8	24.5	27.7	56.7	58.8	18.0	17.7	0.016361
15:00	21.1	20.6	24.6	28.0	56.1	56.8	18.0	17.5	0.01634
16:00	21.7	21.4	24.6	28.2	61.1	62.6	18.6	18.4	0.016925
17:00	21.4	21.6	24.2	28.5	62.1	65.5	18.3	18.6	0.016631
18:00	21.0	21.1	23.5	28.6	66.6	68.0	18.0	18.1	0.016251
19:00	21.0	21.0	23.3	28.6	67.9	69.3	18.0	18.0	0.016162
20:00	20.8	20.6	22.2	28.5	80.3	78.3	18.0	17.7	0.015988
21:00	20.8	20.7	21.9	28.4	85.2	83.4	18.0	17.8	0.015963
22:00	20.4	20.2	21.2	28.1	87.5	83.2	17.6	17.3	0.01551
23:00	20.0	20.0	20.8	27.9	88.5	85.1	17.2	17.2	0.015119
Avg	20.6	20.6	22.3	27.6	76.8	76.5	17.7	17.7	0.015732
Max	21.7	21.6	24.6	28.6	92.7	93.3	18.6	18.6	0.016925
Hr. of Max	16	17	16	19	06	05	16	17	16
Min	19.6	20.0	20.1	26.4	56.1	56.8	16.8	17.2	0.014708
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)

6/18/2015

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	0.015467	23.5	24.0	.00	29.18	988.2	-1.7	.00	241.6
01:00	0.015445	23.3	23.9	.00	29.18	988.2	-2.1	.00	284.3
02:00	0.015493	23.0	24.0	.00	29.17	987.8	-2.6	.00	320.2
03:00	0.015563	22.9	24.1	.00	29.15	987.3	-3.2	.00	261.7
04:00	0.015587	22.9	24.1	.00	29.16	987.5	-1.2	.00	281.1
05:00	0.015605	22.8	24.2	.00	29.16	987.5	-2.4	.00	267.1
06:00	0.015654	23.3	24.2	.00	29.17	987.7	11.8	.02	278.8
07:00	0.015603	24.1	24.2	.00	29.18	988.3	81.6	.12	235.3
08:00	0.015722	24.5	24.4	.00	29.20	988.9	210.1	.30	245.6
09:00	0.015612	24.7	24.2	.00	29.20	989.0	425.2	.61	226.7
10:00	0.015393	24.4	23.9	.00	29.20	988.9	522.3	.75	282.1
11:00	0.015869	25.2	24.6	.00	29.20	988.9	526.1	.75	210.4
12:00	0.015735	25.0	24.4	.00	29.21	989.1	633.3	.91	232.9
13:00	0.016152	25.8	25.0	.00	29.20	988.8	528.3	.76	229.1
14:00	0.016004	25.3	24.8	.00	29.17	987.8	643.3	.92	239.6
15:00	0.015843	25.3	24.5	.00	29.14	986.8	750.5	1.08	265.9
16:00	0.016657	26.1	25.7	.00	29.11	985.8	344.8	.49	275.6
17:00	0.016807	25.7	25.9	.00	29.11	985.7	352.6	.51	321.6
18:00	0.016272	25.1	25.1	.00	29.10	985.5	106.2	.15	300.0
19:00	0.016153	25.0	25.0	.00	29.11	986.0	137.6	.20	235.6
20:00	0.015743	24.7	24.3	.00	29.12	986.3	15.6	.02	251.9
21:00	0.015809	24.7	24.5	.00	29.14	987.0	-1.5	.00	247.2
22:00	0.015317	24.0	23.7	.00	29.16	987.4	-2.8	.00	252.8
23:00	0.015176	23.4	23.5	.00	29.17	987.8	-1.6	.00	280.7
Avg	0.015778	24.4	24.4	.00	29.16	987.6	219.6	.32	260.0
Max	0.016807	26.1	25.9	.00	29.21	989.1	750.5	1.08	321.6
Hr. of Max	17	16	17	23	12	12	15	15	17
Min	0.015176	22.8	23.5	.00	29.10	985.5	-3.2	.00	210.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/18/2015

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	207.4	236.2	238.4	237.9	18.8	17.5	30.0	1.5	2.1
01:00	239.8	200.9	289.0	202.9	25.2	49.8	31.9	.8	.6
02:00	50.3	271.9	328.9	304.0	53.0	66.3	22.8	.4	.7
03:00	222.6	215.9	262.2	227.8	17.8	22.2	44.5	1.7	2.2
04:00	232.5	297.0	275.1	296.9	32.7	35.5	30.0	.7	1.0
05:00	242.6	193.8	267.6	197.3	22.5	28.9	18.5	1.4	1.7
06:00	246.8	242.5	277.9	244.8	54.3	46.5	38.9	.4	.4
07:00	221.9	186.2	240.8	185.0	31.5	20.4	38.4	1.3	1.3
08:00	238.8	210.8	248.0	211.5	22.9	20.8	16.1	1.4	1.7
09:00	230.2	228.7	232.7	230.5	24.8	21.6	17.3	2.4	3.0
10:00	285.5	281.6	282.8	280.5	52.4	38.2	28.5	1.6	2.2
11:00	223.4	228.0	218.5	228.7	29.6	27.2	25.1	2.3	2.5
12:00	243.9	248.5	236.3	248.3	31.2	30.4	27.3	2.2	2.9
13:00	242.3	241.3	231.7	242.3	44.1	33.9	30.0	2.2	2.6
14:00	241.8	239.0	243.8	240.6	33.1	23.4	22.5	2.8	3.6
15:00	269.1	268.6	264.5	269.2	55.8	48.0	45.7	1.4	2.0
16:00	282.1	280.8	277.5	279.8	29.7	21.9	15.2	2.7	4.2
17:00	328.0	326.6	321.8	321.8	25.0	19.4	14.4	4.1	5.8
18:00	310.6	315.9	299.2	312.0	27.7	18.9	12.6	2.7	4.9
19:00	242.5	244.0	240.3	245.6	23.5	16.4	13.7	4.5	6.9
20:00	248.5	268.3	247.1	268.0	51.3	42.9	37.9	1.3	2.2
21:00	242.6	225.6	249.3	228.2	27.3	15.0	9.9	1.6	2.8
22:00	218.6	199.9	254.1	201.9	50.8	43.5	29.6	.8	1.1
23:00	246.2	167.1	281.4	169.1	24.3	35.4	29.4	1.1	1.0
Avg	247.0	241.0	262.0	244.0	33.7	31.0	26.3	.0	.0
Max	328.0	326.6	328.9	321.8	55.8	66.3	45.7	4.5	6.9
Hr. of Max	17	17	02	17	15	02	15	19	19
Min	50.3	167.1	218.5	169.1	17.8	15.0	9.9	.4	.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/18/2015

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	1.6	1.6	2.2	2.0	1.9	2.3	1.8	.0	.05
01:00	1.5	.8	.9	1.8	1.0	2.1	1.2	.8	.02
02:00	.2	.6	.7	1.0	.9	1.4	.7	2.2	.01
03:00	2.1	1.7	2.6	2.6	2.2	3.0	.4	-.1	-.04
04:00	2.0	1.4	1.7	3.1	1.7	3.3	2.3	.6	.04
05:00	1.6	1.6	1.8	1.9	1.9	2.2	1.5	.0	.02
06:00	.8	1.4	1.3	1.3	1.8	1.6	1.3	1.5	.02
07:00	1.4	1.7	1.9	1.7	2.1	2.0	-.2	-.2	-.04
08:00	2.5	1.5	1.8	2.7	1.9	3.0	.4	-.8	-.04
09:00	3.3	2.7	3.2	3.4	3.2	3.9	-.4	-4.1	-.11
10:00	2.5	2.1	2.5	2.8	2.4	3.2	.0	-3.2	-.07
11:00	2.9	2.8	3.0	3.3	3.3	3.8	-.6	-.4	-.07
12:00	3.2	3.0	3.5	3.7	3.5	4.2	1.2	2.7	.00
13:00	2.8	2.6	2.9	3.0	3.2	3.6	1.3	-1.3	.00
14:00	3.9	3.5	4.1	4.3	4.0	4.8	-.1	-2.9	-.14
15:00	2.1	2.2	2.6	2.5	2.6	3.1	-3.1	-3.7	-.23
16:00	5.6	3.2	4.6	6.0	3.6	6.1	.2	-1.1	-.14
17:00	7.8	4.5	6.1	8.0	4.9	8.5	-6.0	-1.9	-.75
18:00	7.7	3.0	5.1	7.9	3.3	8.1	-1.0	-2.5	-.21
19:00	8.3	4.9	7.3	8.9	5.4	9.5	.8	.6	-.15
20:00	3.3	1.7	2.7	3.7	2.1	4.0	1.4	4.5	-.01
21:00	4.0	1.7	2.9	4.0	2.1	4.4	-2.2	.4	-.09
22:00	1.3	1.4	1.7	1.7	1.8	2.0	1.0	-.2	.04
23:00	.9	1.3	1.1	1.0	1.5	1.4	-.2	-2.3	-.02
Avg	.0	2.2	2.8	3.4	2.6	3.8	.1	-.5	-.08
Max	8.3	4.9	7.3	8.9	5.4	9.5	2.3	4.5	.05
Hr. of Max	19	19	19	19	19	19	04	20	00
Min	.2	.6	.7	1.0	.9	1.4	-6.0	-4.1	-.75
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/18/2015

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	.02	4.8	6.0	10.8	3.7	7.0	7.5	17.4
01:00	.02	2.3	2.5	3.4	2.3	3.7	6.8	7.7
02:00	.03	3.0	2.5	3.0	3.1	3.2	9.0	7.3
03:00	.02	5.3	7.1	7.3	6.5	7.9	6.5	9.1
04:00	.03	6.0	8.9	10.3	4.2	7.5	9.1	7.1
05:00	.02	3.4	4.6	3.9	4.1	4.4	6.0	6.1
06:00	.04	4.1	4.8	4.8	4.6	4.0	10.5	8.4
07:00	.00	3.4	3.9	4.4	4.3	4.6	8.6	7.5
08:00	-.06	4.6	4.1	6.6	5.4	5.3	20.2	11.3
09:00	-.35	7.1	7.3	7.6	7.8	8.4	20.4	14.2
10:00	-.23	6.9	6.6	6.9	6.5	9.0	26.6	25.1
11:00	-.09	7.1	7.1	7.6	8.4	7.9	21.8	22.2
12:00	.09	7.3	8.2	8.0	9.1	9.9	21.9	20.6
13:00	-.30	7.8	8.5	7.8	8.2	8.4	23.2	24.0
14:00	-.33	9.4	9.6	8.7	9.6	9.6	20.9	20.2
15:00	-.30	7.8	7.1	6.6	9.4	8.1	24.2	25.3
16:00	-.20	10.8	9.6	10.3	11.0	11.6	21.2	11.4
17:00	-.49	12.4	13.1	14.2	13.6	15.0	18.5	12.2
18:00	-.46	10.3	11.4	13.3	9.4	14.0	19.4	9.0
19:00	.04	14.7	17.6	20.8	18.0	22.8	17.7	8.5
20:00	.20	7.1	11.2	16.9	7.9	10.3	13.5	16.7
21:00	.02	4.6	6.0	6.0	5.0	6.5	7.7	3.0
22:00	-.02	3.9	5.5	7.3	3.9	5.5	8.8	8.6
23:00	-.06	2.7	3.7	3.4	3.2	3.8	8.6	12.2
Avg	-.10	6.5	7.4	8.3	7.1	8.3	14.9	13.1
Max	.20	14.7	17.6	20.8	18.0	22.8	26.6	25.3
Hr. of Max	20	19	19	19	19	19	10	15
Min	-.49	2.3	2.5	3.0	2.3	3.2	6.0	3.0
Count	24	24	24	24	24	24	24	24
Total								