Date Printed: 08/14/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/13/2015

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	17.2	18.9	19.5	20.9	1.68	2.37	3.77	.69	2.09
01:00	16.5	17.9	18.4	19.3	1.37	1.89	2.76	.52	1.39
02:00	16.1	17.4	18.0	19.1	1.28	1.84	2.94	.56	1.66
03:00	15.7	16.9	17.5	18.3	1.20	1.77	2.55	.57	1.35
04:00	15.4	16.6	17.3	18.0	1.20	1.86	2.56	.66	1.36
05:00	15.2	16.5	17.2	18.0	1.33	2.00	2.82	.68	1.49
06:00	15.1	16.2	17.0	18.1	1.12	1.98	3.08	.86	1.96
07:00	15.7	16.9	17.5	18.2	1.21	1.85	2.48	.64	1.27
08:00	19.1	19.1	19.1	19.2	.02	.04	.13	.02	.11
09:00	22.4	22.0	21.8	21.7	-.42	-.65	-.78	-.23	-.36
10:00	24.3	23.4	23.1	22.9	-.85	-1.21	-1.43	-.37	-.58
11:00	25.9	24.7	24.3	24.1	-1.22	-1.61	-1.83	-.39	-.61
12:00	27.1	25.6	25.3	25.1	-1.42	-1.78	-1.95	-.35	-.52
13:00	27.9	26.8	26.5	26.3	-1.14	-1.49	-1.66	-.34	-.52
14:00	29.1	27.8	27.5	27.3	-1.27	-1.58	-1.81	-.31	-.54
15:00	29.2	28.1	27.8	27.7	-1.13	-1.40	-1.50	-.27	-.37
16:00	29.7	28.7	28.3	28.2	-1.02	-1.38	-1.49	-.35	-.46
17:00	29.5	28.7	28.3	28.2	-.82	-1.16	-1.29	-.34	-.47
18:00	28.0	27.5	27.3	27.2	-.44	-.70	-.79	-.25	-.35
19:00	26.0	26.3	26.4	26.4	.34	.38	.40	.04	.07
20:00	22.9	24.6	25.1	25.3	1.68	2.13	2.39	.45	.71
21:00	21.8	23.9	24.1	24.3	2.08	2.31	2.54	.22	.46
22:00	20.3	22.9	23.2	23.5	2.61	2.89	3.22	.28	.61
23:00	19.0	21.7	22.2	22.5	2.77	3.20	3.57	.43	.80
Avg	22.0	22.5	22.6	22.9	.42	.56	.86	.14	.44
Max	29.7	28.7	28.3	28.2	2.77	3.20	3.77	.86	2.09
Hr. of Max	16	17	17	17	23	23	00	06	00
Min	15.1	16.2	17.0	18.0	-1.42	-1.78	-1.95	-.39	-.61
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/13/2015

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	14.9	15.1	15.6	26.3	88.0	80.2	12.7	12.8	0.010875
01:00	14.7	15.3	15.3	26.2	90.2	86.1	12.5	13.0	0.010711
02:00	14.5	15.3	15.0	26.0	91.6	89.2	12.4	13.0	0.010589
03:00	14.2	15.3	14.7	25.8	92.3	91.6	12.2	13.0	0.010424
04:00	14.0	15.1	14.5	25.6	93.0	92.6	12.0	12.9	0.010272
05:00	13.8	15.0	14.3	25.4	93.2	92.2	11.9	12.8	0.010151
06:00	13.7	14.8	14.2	25.2	93.2	93.2	11.8	12.6	0.010058
07:00	14.4	14.8	14.8	25.0	93.5	89.0	12.3	12.6	0.010507
08:00	15.6	14.9	16.8	24.8	82.2	78.4	13.2	12.6	0.011419
09:00	16.1	15.3	18.2	24.7	68.8	67.3	13.5	12.9	0.011761
10:00	15.7	15.1	18.6	24.6	60.1	60.7	13.1	12.6	0.011507
11:00	16.0	15.3	19.3	24.7	55.5	57.3	13.3	12.8	0.011726
12:00	15.1	14.6	19.1	24.8	49.2	51.6	12.5	12.1	0.011107
13:00	15.3	15.1	19.5	25.1	47.2	49.8	12.6	12.5	0.011237
14:00	15.2	14.9	19.8	25.5	44.1	46.6	12.5	12.4	0.011222
15:00	15.1	14.7	19.8	25.8	43.4	45.2	12.4	12.2	0.011136
16:00	14.4	14.3	19.5	26.1	40.3	42.5	11.9	11.8	0.010641
17:00	15.3	15.1	20.0	26.3	43.4	45.0	12.6	12.5	0.011308
18:00	16.5	16.5	20.3	26.5	50.9	52.5	13.6	13.7	0.012156
19:00	16.7	16.4	19.8	26.6	58.1	56.0	13.8	13.6	0.012284
20:00	17.1	16.2	19.0	26.6	71.3	60.9	14.3	13.5	0.012587
21:00	16.3	15.5	18.1	26.6	72.4	60.7	13.7	12.9	0.011922
22:00	16.0	15.1	17.4	26.5	78.1	62.7	13.5	12.6	0.011718
23:00	15.6	14.6	16.7	26.4	82.2	65.3	13.2	12.3	0.011372
Avg	15.3	15.2	17.5	25.7	70.1	67.4	12.8	12.7	0.011195
Max	17.1	16.5	20.3	26.6	93.5	93.2	14.3	13.7	0.012587
Hr. of Max	20	18	18	21	07	06	20	18	20
Min	13.7	14.3	14.2	24.6	40.3	42.5	11.8	11.8	0.010058
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)

8/13/2015

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	0.01102	17.0	17.2	.00	29.17	987.8	-2.0	.00	283.8
01:00	0.01116	16.7	17.4	.00	29.16	987.6	-3.1	.00	291.3
02:00	0.011182	16.5	17.4	.00	29.16	987.4	-3.5	.00	350.2
03:00	0.011165	16.3	17.4	.00	29.16	987.4	-3.4	.00	323.0
04:00	0.011044	16.0	17.2	.00	29.16	987.4	-3.0	.00	358.4
05:00	0.010936	15.9	17.1	.00	29.17	987.7	-3.5	-.01	338.4
06:00	0.010811	15.7	16.9	.00	29.18	988.1	-2.0	.00	297.6
07:00	0.010795	16.4	16.9	.00	29.19	988.5	45.6	.07	58.9
08:00	0.010902	17.8	17.0	.00	29.19	988.7	224.9	.32	83.5
09:00	0.011218	18.4	17.5	.00	29.21	989.1	473.6	.68	73.5
10:00	0.011053	18.0	17.3	.00	29.21	989.2	674.4	.97	79.5
11:00	0.011244	18.3	17.6	.00	29.20	989.0	826.4	1.18	89.6
12:00	0.010715	17.3	16.7	.00	29.18	988.4	933.5	1.34	101.7
13:00	0.011084	17.5	17.3	.00	29.18	988.1	931.8	1.34	67.3
14:00	0.011009	17.5	17.2	.00	29.16	987.6	970.8	1.39	290.8
15:00	0.01087	17.4	17.0	.00	29.15	987.2	722.7	1.04	276.0
16:00	0.010553	16.6	16.5	.00	29.14	987.0	758.6	1.09	309.0
17:00	0.011178	17.6	17.4	.00	29.14	986.8	447.0	.64	333.1
18:00	0.012214	18.9	19.0	.00	29.14	986.8	247.1	.35	25.1
19:00	0.012118	19.1	18.9	.00	29.14	986.9	108.1	.15	22.7
20:00	0.011912	19.6	18.6	.00	29.16	987.4	6.5	.01	33.8
21:00	0.011339	18.6	17.7	.00	29.17	987.9	-3.2	.00	46.8
22:00	0.011046	18.3	17.2	.00	29.19	988.4	-3.4	.00	45.0
23:00	0.010708	17.8	16.7	.00	29.20	988.7	-1.2	.00	27.1
Avg	0.011137	17.5	17.4	.00	29.17	987.9	305.9	.44	12.0
Max	0.012214	19.6	19.0	.00	29.21	989.2	970.8	1.39	358.4
Hr. of Max	18	20	18	23	10	10	14	14	04
Min	0.010553	15.7	16.5	.00	29.14	986.8	-3.5	-.01	22.7
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/13/2015

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	151.4	49.7	274.0	50.7	16.8	18.7	42.5	.4	.4
01:00	249.3	232.5	289.0	229.5	30.8	39.2	13.1	.7	1.2
02:00	64.6	25.0	2.2	22.1	26.5	9.0	15.8	.6	1.8
03:00	73.2	60.0	330.6	56.9	52.9	16.9	11.4	.6	1.4
04:00	68.4	57.1	7.3	54.1	27.5	10.0	4.1	.6	2.0
05:00	76.9	65.4	345.6	62.2	33.4	8.4	4.9	.3	1.7
06:00	62.1	63.6	296.6	60.5	31.0	9.3	4.3	.1	1.6
07:00	54.7	56.7	61.6	52.7	20.2	7.1	4.2	1.1	2.9
08:00	61.0	53.9	89.2	50.1	30.8	21.1	11.1	1.3	2.6
09:00	66.7	60.8	76.5	57.4	23.6	19.7	15.1	4.5	5.5
10:00	74.8	71.3	79.9	67.5	21.9	15.8	12.6	5.7	7.3
11:00	86.4	81.5	90.6	77.5	24.9	21.3	18.1	6.0	6.9
12:00	98.7	94.5	103.0	90.7	15.7	14.4	12.9	6.8	7.5
13:00	60.0	55.5	71.9	50.8	49.2	35.3	33.7	2.6	3.3
14:00	314.8	319.4	289.7	315.1	60.2	61.5	55.7	1.9	2.3
15:00	287.8	288.8	270.6	284.6	46.3	46.1	41.4	2.0	2.2
16:00	318.9	316.9	311.7	313.5	47.6	36.0	28.8	2.0	2.6
17:00	339.7	331.6	335.7	328.1	43.5	28.2	23.6	2.0	3.2
18:00	27.6	27.0	23.3	21.0	35.7	19.6	15.2	3.4	6.8
19:00	31.5	30.3	22.6 +	24.2	28.2	12.0	10.4	2.8	6.4
20:00	33.2	35.6	40.2	29.5	29.2	8.5	6.7	1.5	5.7
21:00	45.4	41.2	51.7	36.1	20.9	8.9	7.4	2.2	5.2
22:00	58.3	51.5	46.5	47.4	12.2	9.1	8.1	2.0	4.3
23:00	61.4	53.7	33.3	49.8	32.9	15.6	9.6	.9	3.1
Avg	51.0	41.0	16.0	37.0	31.7	20.5	17.1	.0	.0
Max	339.7	331.6	345.6	328.1	60.2	61.5	55.7	6.8	7.5
Hr. of Max	17	17	05	17	14	14	14	12	12
Min	27.6	25.0	2.2	21.0	12.2	7.1	4.1	.1	.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/13/2015

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	2.2	.4	.9	2.4	.6	2.7	1.3	1.1	.01
01:00	.4	.9	1.6	.6	1.2	.9	1.6	-.9	.03
02:00	1.9	.7	1.8	2.0	.9	2.2	1.6	2.1	.04
03:00	2.8	.7	1.5	2.9	.9	3.2	1.3	1.1	.02
04:00	3.6	.7	2.0	3.7	.9	3.9	2.9	1.7	.05
05:00	4.5	.5	1.7	4.5	.8	4.8	1.5	.8	.02
06:00	4.4	.1	1.7	4.4	.5	4.6	2.7	1.0	.03
07:00	5.3	1.2	2.9	5.3	1.3	5.6	2.1	-1.4	.05
08:00	4.4	1.5	2.7	4.5	1.9	4.8	.1	1.2	-.08
09:00	6.6	4.9	5.8	6.9	5.3	7.3	.7	2.1	-.05
10:00	8.6	6.2	7.7	8.9	6.7	9.4	.0	1.9	-.16
11:00	7.4	6.4	7.3	7.8	7.0	8.3	.7	3.2	.01
12:00	7.7	7.1	7.8	8.0	7.9	8.5	-.4	1.9	-.08
13:00	3.7	3.5	4.0	4.4	4.1	5.1	-2.3	.7	-.23
14:00	2.5	3.0	3.7	3.7	3.6	4.5	4.0	10.5	.04
15:00	2.3	3.0	3.3	3.2	3.5	3.8	1.5	-5.2	-.01
16:00	3.0	2.7	3.4	3.7	3.2	4.3	-4.8	-3.7	-.35
17:00	3.4	3.3	4.5	5.0	3.7	5.5	-1.2	1.4	-.31
18:00	7.9	4.0	7.2	8.2	4.3	8.7	-.9	.4	-.36
19:00	7.9	3.2	6.5	8.0	3.4	8.4	-1.2	-.4	-.28
20:00	8.1	1.7	5.8	8.2	1.9	8.5	-.4	1.7	-.12
21:00	7.4	2.3	5.4	7.5	2.5	7.8	-2.6	.9	-.19
22:00	6.1	2.1	4.3	6.2	2.2	6.5	-2.2	.9	-.14
23:00	5.0	1.5	3.2	5.1	1.7	5.3	-.9	.5	-.08
Avg	.0	2.6	4.0	5.2	2.9	5.6	.2	1.0	-.09
Max	8.6	7.1	7.8	8.9	7.9	9.4	4.0	10.5	.05
Hr. of Max	10	12	12	10	12	10	14	14	07
Min	.4	.1	.9	.6	.5	.9	-4.8	-5.2	-.36
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/13/2015

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	.08	1.6	2.3	8.0	1.7	9.2	8.4	8.7
01:00	-.01	2.3	3.0	1.6	2.6	1.8	8.8	9.0
02:00	.10	2.5	4.4	3.2	2.1	3.7	7.1	7.3
03:00	.05	3.0	4.1	5.5	2.4	4.8	7.0	3.1
04:00	.12	2.1	4.6	7.8	2.3	6.4	9.1	2.5
05:00	.08	1.8	3.9	7.8	1.9	7.0	11.0	4.2
06:00	.07	1.6	3.2	8.2	2.0	6.7	8.8	3.4
07:00	-.15	3.4	5.3	9.4	3.3	8.2	9.0	3.0
08:00	.05	6.4	8.7	11.4	6.3	11.0	20.1	10.4
09:00	.13	13.5	13.3	15.1	13.7	15.4	18.5	12.6
10:00	.18	17.6	17.2	26.3	15.4	17.4	17.2	12.4
11:00	.42	19.2	16.5	13.7	15.6	15.9	16.3	14.8
12:00	.25	13.7	15.8	14.4	13.6	14.6	11.7	13.4
13:00	.03	13.5	16.5	17.6	12.6	13.3	26.0	26.6
14:00	.49	14.4	12.1	11.7	15.7	15.3	28.6	30.7
15:00	-.52	9.4	10.3	9.2	9.9	9.5	26.1	26.9
16:00	-.28	7.1	8.2	8.5	8.7	10.3	25.5	25.1
17:00	-.10	11.0	14.9	13.7	12.2	14.7	25.5	22.3
18:00	-.06	11.0	13.7	14.4	13.3	15.2	23.9	11.1
19:00	-.13	8.7	16.3	19.0	9.2	13.4	21.7	7.7
20:00	.22	6.0	11.9	17.4	6.6	13.9	21.6	5.4
21:00	.10	6.4	14.4	15.3	7.0	12.8	17.5	5.5
22:00	.05	5.0	8.2	10.5	5.2	12.3	10.1	5.6
23:00	.03	5.0	10.3	12.8	5.5	9.5	12.3	5.4
Avg	.05	7.8	10.0	11.8	7.9	10.9	16.3	11.5
Max	.49	19.2	17.2	26.3	15.7	17.4	28.6	30.7
Hr. of Max	14	11	10	10	14	10	14	14
Min	-.52	1.6	2.3	1.6	1.7	1.8	7.0	2.5
Count	24	24	24	24	24	24	24	24
Total								