Date Printed: 08/15/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/14/2015

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	18.3	20.7	21.0	21.3	2.39	2.77	3.05	.38	.66
01:00	17.6	19.6	20.3	20.6	1.98	2.64	3.01	.66	1.03
02:00	17.7	19.5	19.7	20.2	1.77	2.05	2.51	.28	.74
03:00	18.4	19.3	19.5	19.9	.92	1.07	1.45	.14	.53
04:00	18.4	19.4	19.5	19.9	1.05	1.15	1.49	.10	.44
05:00	18.3	19.3	19.4	19.7	1.00	1.06	1.37	.06	.37
06:00	18.6	19.5	19.6	19.7	.95	.99	1.17	.04	.22
07:00	18.5	19.1	19.4	19.6	.60	.85	1.08	.25	.48
08:00	19.5	19.6	19.5	19.6	.08	.01	.08	-.07	.00
09:00	20.8	20.5	20.2	20.1	-.30	-.51	-.61	-.21	-.31
10:00	21.3	20.9	20.7	20.6	-.36	-.57	-.61	-.21	-.25
11:00	21.3	21.0	20.8	20.8	-.32	-.51	-.52	-.19	-.20
12:00	21.8	21.5	21.2	21.1	-.34	-.57	-.65	-.23	-.31
13:00	22.4	22.1	21.9	21.8	-.29	-.48	-.56	-.19	-.27
14:00	22.8	22.5	22.3	22.2	-.31	-.49	-.59	-.18	-.28
15:00	23.0	22.7	22.5	22.4	-.28	-.48	-.53	-.20	-.25
16:00	23.5	23.1	22.9	22.8	-.37	-.59	-.66	-.22	-.30
17:00	23.9	23.6	23.4	23.3	-.29	-.52	-.61	-.23	-.32
18:00	24.2	24.1	23.9	23.9	-.06	-.21	-.23	-.15	-.17
19:00	22.8	23.0	23.2	23.4	.14	.38	.59	.24	.45
20:00	21.8	22.3	22.6	23.0	.49	.78	1.22	.30	.73
21:00	21.4	22.3	22.3	22.5	.86	.92	1.13	.05	.26
22:00	21.1	21.8	22.0	22.2	.68	.84	1.05	.16	.37
23:00	20.4	21.2	21.6	21.9	.75	1.19	1.52	.44	.77
Avg	20.7	21.2	21.2	21.4	.45	.49	.63	.04	.18
Max	24.2	24.1	23.9	23.9	2.39	2.77	3.05	.66	1.03
Hr. of Max	18	18	18	18	00	00	00	01	01
Min	17.6	19.1	19.4	19.6	-.37	-.59	-.66	-.23	-.32
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/14/2015

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	15.1	14.8	16.2	26.2	83.5	70.6	12.8	12.5	0.011045
01:00	14.9	14.8	15.8	26.1	85.9	75.4	12.7	12.5	0.010904
02:00	15.0	14.9	15.9	25.9	85.9	76.6	12.8	12.6	0.010962
03:00	15.1	15.0	16.2	25.7	82.5	77.4	12.8	12.7	0.011021
04:00	15.1	15.0	16.2	25.6	82.9	77.3	12.8	12.7	0.011042
05:00	15.4	15.1	16.3	25.4	84.5	77.9	13.0	12.7	0.011215
06:00	15.7	15.1	16.7	25.2	85.1	77.3	13.3	12.8	0.011459
07:00	15.8	15.4	16.7	25.1	85.9	80.4	13.4	13.0	0.011528
08:00	16.1	15.7	17.3	25.0	82.4	79.9	13.6	13.3	0.011773
09:00	16.2	15.9	17.7	24.9	77.0	76.6	13.7	13.4	0.011861
10:00	17.1	16.8	18.5	24.8	79.1	79.1	14.4	14.2	0.012556
11:00	18.1	17.8	19.2	24.8	83.9	83.8	15.3	15.0	0.013337
12:00	18.9	18.6	19.9	24.8	85.8	85.7	16.1	15.8	0.014073
13:00	19.2	18.9	20.3	24.9	84.5	84.0	16.4	16.1	0.014369
14:00	19.4	19.0	20.5	24.9	83.5	82.9	16.6	16.2	0.01456
15:00	19.5	19.3	20.6	25.0	82.7	83.1	16.6	16.4	0.014616
16:00	19.3	19.2	20.7	25.1	79.3	80.5	16.4	16.3	0.014429
17:00	19.5	19.3	21.0	25.1	78.5	78.9	16.6	16.5	0.014679
18:00	19.3	19.0	20.9	25.2	76.0	75.0	16.4	16.1	0.014432
19:00	19.8	19.6	20.8	25.2	85.3	83.2	17.0	16.7	0.014933
20:00	19.6	19.6	20.3	25.2	89.7	87.3	16.8	16.8	0.01474
21:00	19.5	19.7	20.1	25.2	91.0	87.6	16.7	16.9	0.014603
22:00	19.4	19.7	20.0	25.2	92.3	90.2	16.7	16.9	0.01455
23:00	19.1	19.6	19.6	25.1	94.3	92.7	16.4	16.8	0.014259
Avg	17.6	17.4	18.6	25.2	84.2	81.0	15.0	14.8	0.013039
Max	19.8	19.7	21.0	26.2	94.3	92.7	17.0	16.9	0.014933
Hr. of Max	19	22	17	00	23	23	19	22	19
Min	14.9	14.8	15.8	24.8	76.0	70.6	12.7	12.5	0.010904
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)

8/14/2015

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	0.010835	17.3	16.9	.00	29.20	988.7	-.7	.00	40.8
01:00	0.010847	17.0	16.9	.00	29.20	988.7	-1.9	.00	336.8
02:00	0.010923	17.1	17.1	.00	29.19	988.5	-2.5	.00	40.9
03:00	0.010949	17.2	17.1	.00	29.19	988.5	-3.6	-.01	52.3
04:00	0.010991	17.2	17.2	.00	29.19	988.6	-2.6	.00	44.0
05:00	0.011	17.5	17.2	.00	29.20	989.0	-1.8	.00	44.9
06:00	0.011043	17.9	17.3	.00	29.22	989.5	-1.3	.00	21.8
07:00	0.011201	18.0	17.5	.00	29.24	990.1	25.7	.04	7.3
08:00	0.011478	18.4	17.9	.00	29.25	990.6	64.5	.09	46.5
09:00	0.011586	18.5	18.1	.00	29.27	991.2	191.7	.27	86.6
10:00	0.01228	19.6	19.2	.00	29.29	991.9	151.8	.22	226.5
11:00	0.013067	20.8	20.4	.00	29.30	992.2	256.8	.37	9.5
12:00	0.013767	22.0	21.5	.00	29.30	992.2	203.6	.29	260.8
13:00	0.014036	22.4	21.9	.01	29.29	991.8	218.9	.31	255.0
14:00	0.014179	22.7	22.1	.00	29.26	991.1	217.4	.31	231.0
15:00	0.014426	22.7	22.4	.00	29.24	990.3	159.6	.23	315.8
16:00	0.014329	22.4	22.3	.00	29.23	990.0	168.0	.24	347.6
17:00	0.014499	22.8	22.6	.00	29.23	990.0	217.4	.31	47.9
18:00	0.014185	22.4	22.1	.00	29.22	989.6	113.1	.16	69.5
19:00	0.014692	23.2	22.8	.00	29.23	989.7	25.1	.04	278.1
20:00	0.014766	22.9	23.0	.00	29.23	989.9	-.4	.00	328.7
21:00	0.014809	22.7	23.0	.00	29.23	989.9	-2.5	.00	48.5
22:00	0.014825	22.6	23.1	.00	29.24	990.3	-2.9	.00	1.2
23:00	0.014676	22.2	22.8	.00	29.25	990.5	-3.4	.00	340.3
Avg	0.012891	20.3	20.1	.00	29.24	990.1	82.9	.12	7.0
Max	0.014825	23.2	23.1	.01	29.30	992.2	256.8	.37	347.6
Hr. of Max	22	19	22	13	12	12	11	11	16
Min	0.010835	17.0	16.9	.00	29.19	988.5	-3.6	-.01	1.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/14/2015

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	60.8	54.2	42.6	50.2	35.3	12.0	6.2	.9	2.3
01:00	54.9	58.2	347.4	55.0	29.7	9.3	5.9	.4	1.5
02:00	56.9	64.2	44.7	60.4	13.7	7.7	4.7	1.9	3.0
03:00	60.3	62.4	56.2	58.4	14.0	8.5	6.2	1.9	3.6
04:00	61.1	67.2	46.3	63.5	18.1	9.0	6.1	1.7	2.6
05:00	62.2	62.4	51.1	58.8	30.6	15.2	8.3	1.2	2.7
06:00	48.5	59.8	29.9	56.4	30.2	19.9	13.6	1.2	2.4
07:00	31.4	56.3	12.1	51.5	43.5	31.2	31.7	.5	1.3
08:00	57.3	62.5	52.9	59.1	25.7	14.1	10.7	2.1	3.8
09:00	80.8	73.5	90.4	72.3	49.5	36.0	33.7	1.1	1.6
10:00	235.9	251.2	228.8	251.6	35.2	46.0	30.4	1.6	1.6
11:00	15.0	359.3	8.5	354.7	40.8	36.4	48.8	1.8	2.2
12:00	241.6	216.9	274.3	220.6	64.2	63.2	68.1	.8	1.2
13:00	11.8	291.8	255.3	292.6	59.5	53.9	63.1	.3	.3
14:00	192.2	222.9	228.0	219.5	54.8	50.9	39.2	.7	.7
15:00	331.3	315.3	317.0	313.7	35.1	29.7	19.7	1.6	2.1
16:00	4.4	3.6	350.8	358.9	29.5	17.3	14.5	1.7	2.7
17:00	52.2	51.5	52.1	48.6	41.6	25.3	20.0	1.6	2.7
18:00	63.5	61.6	74.7	57.9	41.2	32.4	23.7	2.0	3.4
19:00	312.0	315.5	279.0	323.5	33.5	61.7	46.2	1.0	1.1
20:00	38.3	55.3	326.7	55.1	44.3	50.3	59.6	.8	1.0
21:00	69.9	59.0	59.0	55.8	41.9	9.9	9.6	1.1	2.1
22:00	116.9	102.0	14.0	98.6	33.8	26.2	16.8	.1	1.7
23:00	36.0	66.3	341.6	63.4	37.2	28.8	8.6	.9	1.9
Avg	45.0	46.0	13.0	42.0	36.8	29.0	24.8	.0	.0
Max	331.3	359.3	350.8	358.9	64.2	63.2	68.1	2.1	3.8
Hr. of Max	15	11	16	16	12	12	12	08	08
Min	4.4	3.6	8.5	48.6	13.7	7.7	4.7	.1	.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/14/2015

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	4.5	1.0	2.4	4.5	1.2	4.7	2.0	-1.2	.03
01:00	2.7	.5	1.6	2.7	.7	2.9	2.1	-.3	.03
02:00	4.8	2.0	3.0	4.8	2.0	5.0	-1.0	-.9	-.07
03:00	5.5	2.0	3.6	5.5	2.1	5.8	-2.3	-1.3	-.13
04:00	4.3	1.8	2.7	4.3	1.9	4.5	-1.6	-.2	-.08
05:00	4.7	1.3	2.8	4.7	1.5	4.9	-.9	.1	-.05
06:00	3.1	1.5	2.6	3.2	1.7	3.4	-2.2	-.5	-.09
07:00	2.2	1.9	2.5	2.7	2.1	3.0	-1.0	-1.9	-.06
08:00	4.8	2.3	3.9	4.8	2.5	5.1	-4.6	.2	-.27
09:00	1.9	1.3	2.0	2.3	1.8	2.6	-.6	2.8	-.04
10:00	1.6	1.9	2.3	2.6	2.3	2.8	8.1	3.7	.17
11:00	1.8	2.0	2.4	2.3	2.3	2.7	-7.9	-9.2	-.36
12:00	1.5	2.0	2.3	2.7	2.2	3.1	1.4	-1.5	.01
13:00	.4	.9	.9	1.1	1.3	1.5	-1.0	4.2	.02
14:00	.8	1.1	1.1	1.4	1.5	1.8	2.3	-6.0	.02
15:00	2.5	2.0	2.5	2.9	2.3	3.1	-1.6	-.8	-.21
16:00	3.0	2.0	2.9	3.2	2.3	3.5	-1.1	-.5	-.16
17:00	3.4	2.0	3.2	3.8	2.4	4.1	.5	5.0	-.10
18:00	4.3	2.4	3.7	4.5	2.7	4.9	-4.6	1.7	-.26
19:00	1.0	1.4	2.4	2.6	1.8	2.9	.3	1.4	-.06
20:00	1.8	1.7	1.9	1.9	1.9	2.2	.2	.0	-.08
21:00	3.2	1.1	2.2	3.3	1.3	3.5	.0	-.3	-.01
22:00	2.3	1.5	2.1	2.5	1.8	2.8	.1	.0	-.03
23:00	3.0	1.5	2.0	3.1	1.7	3.3	2.0	.6	.01
Avg	.0	1.6	2.5	3.2	1.9	3.5	-.5	-.2	-.07
Max	5.5	2.4	3.9	5.5	2.7	5.8	8.1	5.0	.17
Hr. of Max	03	18	08	03	18	03	10	17	10
Min	.4	.5	.9	1.1	.7	1.5	-7.9	-9.2	-.36
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/14/2015

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	-.12	3.0	4.8	8.9	3.0	8.2	10.2	4.8
01:00	-.02	2.1	2.7	8.2	2.0	6.0	8.6	4.4
02:00	-.09	3.7	4.8	6.6	4.1	7.5	7.3	2.7
03:00	-.15	4.1	6.6	11.2	4.7	9.5	10.5	4.2
04:00	-.03	3.7	5.3	7.6	4.0	7.7	7.1	4.4
05:00	.00	4.1	7.3	8.0	4.3	8.0	11.3	7.0
06:00	-.04	3.4	5.3	6.2	4.4	6.5	10.1	7.4
07:00	-.03	3.9	5.7	8.7	4.3	7.2	11.1	13.7
08:00	-.03	6.6	8.2	8.9	7.0	9.3	16.3	7.8
09:00	.15	4.8	8.0	11.0	5.2	6.8	25.4	22.0
10:00	.09	4.8	7.6	6.0	5.9	6.6	23.9	17.7
11:00	-.37	5.0	5.7	5.5	5.6	6.1	19.8	18.0
12:00	-.12	5.5	6.0	6.2	6.7	7.5	22.5	22.4
13:00	.15	3.7	3.4	4.6	4.1	4.1	29.2	30.5
14:00	-.27	3.9	3.9	4.4	4.6	5.8	27.8	27.2
15:00	-.13	6.0	6.0	6.9	6.5	7.2	21.9	16.3
16:00	-.07	5.3	6.4	5.7	5.5	6.4	21.6	12.2
17:00	.19	7.6	9.6	9.8	6.6	9.0	25.5	16.4
18:00	.10	6.0	8.9	8.2	7.1	9.0	19.7	13.1
19:00	.10	6.0	9.2	12.4	6.7	7.7	14.3	8.6
20:00	.00	6.0	4.6	6.0	4.2	6.1	11.9	11.8
21:00	-.01	2.5	5.3	10.1	3.4	5.5	11.6	5.8
22:00	.01	4.1	6.2	5.7	4.7	4.7	12.1	9.8
23:00	.04	3.9	3.7	5.0	4.3	5.0	11.9	4.3
Avg	-.03	4.6	6.1	7.6	5.0	7.0	16.3	12.2
Max	.19	7.6	9.6	12.4	7.1	9.5	29.2	30.5
Hr. of Max	17	17	17	19	18	03	13	13
Min	-.37	2.1	2.7	4.4	2.0	4.1	7.1	2.7
Count	24	24	24	24	24	24	24	24
Total								