Date Printed: 08/17/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/16/2015

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	21.7	22.2	22.4	22.6	.48	.75	.94	.27	.46
01:00	21.6	22.1	22.2	22.4	.49	.63	.79	.14	.31
02:00	21.3	21.9	22.0	22.1	.52	.68	.76	.16	.24
03:00	21.3	21.7	21.8	21.8	.41	.51	.57	.10	.16
04:00	21.4	21.7	21.7	21.8	.32	.30	.40	-.01	.09
05:00	21.2	21.5	21.6	21.7	.32	.34	.43	.02	.11
06:00	21.0	21.4	21.4	21.4	.37	.41	.44	.03	.07
07:00	20.9	21.1	21.1	21.2	.26	.24	.28	-.02	.02
08:00	21.8	21.7	21.5	21.4	-.17	-.36	-.41	-.19	-.24
09:00	23.4	22.9	22.6	22.5	-.54	-.79	-.93	-.25	-.39
10:00	25.9	25.0	24.8	24.6	-.87	-1.14	-1.31	-.27	-.45
11:00	27.3	26.2	26.0	25.8	-1.01	-1.30	-1.43	-.28	-.41
12:00	28.3	27.2	26.9	26.7	-1.16	-1.44	-1.60	-.29	-.44
13:00	29.5	28.2	27.9	27.7	-1.23	-1.61	-1.79	-.37	-.56
14:00	30.3	29.0	28.7	28.6	-1.38	-1.67	-1.74	-.29	-.36
15:00	30.1	28.7	28.4	28.3	-1.35	-1.66	-1.80	-.31	-.46
16:00	28.8	28.1	27.8	27.7	-.68	-1.02	-1.16	-.34	-.47
17:00	28.5	27.8	27.5	27.4	-.72	-1.06	-1.16	-.33	-.44
18:00	28.2	27.6	27.4	27.3	-.54	-.77	-.87	-.23	-.33
19:00	26.1	26.1	26.7	27.0	.03	.60	.96	.57	.93
20:00	23.8	24.7	25.6	25.9	.88	1.78	2.12	.90	1.24
21:00	22.3	23.7	24.1	24.5	1.36	1.78	2.11	.42	.75
22:00	21.7	22.8	23.2	23.6	1.04	1.49	1.90	.45	.86
23:00	21.3	22.0	22.4	22.7	.70	1.15	1.45	.45	.75
Avg	24.5	24.4	24.4	24.4	-.10	-.09	-.04	.01	.06
Max	30.3	29.0	28.7	28.6	1.36	1.78	2.12	.90	1.24
Hr. of Max	14	14	14	14	21	21	20	20	20
Min	20.9	21.1	21.1	21.2	-1.38	-1.67	-1.80	-.37	-.56
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/16/2015

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	19.9	20.4	20.5	25.5	92.0	91.9	17.2	17.6	0.015018
01:00	19.8	20.4	20.4	25.4	92.1	92.9	17.1	17.7	0.014927
02:00	19.8	20.4	20.3	25.3	93.1	93.6	17.0	17.6	0.014896
03:00	19.8	20.4	20.3	25.3	93.9	94.6	17.1	17.6	0.01494
04:00	20.1	20.5	20.5	25.2	94.4	95.0	17.3	17.8	0.015172
05:00	19.9	20.4	20.4	25.2	94.5	95.3	17.2	17.6	0.015013
06:00	19.7	20.2	20.2	25.1	94.8	95.4	17.0	17.5	0.014839
07:00	19.7	20.1	20.1	25.0	95.2	96.1	17.0	17.4	0.014797
08:00	20.0	20.0	20.6	25.0	91.5	92.5	17.2	17.2	0.015072
09:00	19.5	19.2	20.8	24.9	81.0	82.1	16.7	16.4	0.014647
10:00	19.3	18.8	21.5	24.9	68.9	70.4	16.3	15.9	0.014481
11:00	18.6	18.0	21.5	25.0	60.7	62.2	15.6	15.1	0.013823
12:00	18.7	18.3	21.9	25.2	57.4	59.9	15.6	15.3	0.013916
13:00	18.7	18.4	22.3	25.5	54.0	56.6	15.6	15.3	0.014001
14:00	17.7	17.5	21.9	25.8	48.2	51.6	14.6	14.5	0.013145
15:00	18.1	18.0	22.1	26.1	50.1	53.8	15.0	15.0	0.013466
16:00	18.3	18.3	21.8	26.3	54.4	56.8	15.2	15.3	0.01361
17:00	17.7	17.7	21.3	26.4	53.6	55.7	14.7	14.7	0.013163
18:00	17.6	17.6	21.1	26.6	54.3	55.8	14.6	14.6	0.013069
19:00	18.9	18.6	21.3	26.6	66.8	65.1	16.0	15.6	0.014176
20:00	19.2	18.5	20.7	26.7	77.4	70.5	16.3	15.6	0.014373
21:00	18.6	18.6	19.8	26.6	81.1	74.7	15.7	15.7	0.0138
22:00	18.7	18.9	19.7	26.6	84.9	80.9	15.9	16.1	0.013893
23:00	18.7	19.1	19.6	26.5	87.4	85.8	15.9	16.3	0.013916
Avg	19.0	19.1	20.9	25.7	75.9	76.2	16.2	16.2	0.014256
Max	20.1	20.5	22.3	26.7	95.2	96.1	17.3	17.8	0.015172
Hr. of Max	04	04	13	20	07	07	04	04	04
Min	17.6	17.5	19.6	24.9	48.2	51.6	14.6	14.5	0.013069
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/16/2015

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	0.015449	23.4	24.0	.00	29.25	990.6	-2.7	.00	286.2
01:00	0.015518	23.2	24.1	.00	29.25	990.6	-1.6	.00	348.1
02:00	0.015447	23.2	24.0	.00	29.24	990.4	-2.0	.00	338.7
03:00	0.015448	23.2	24.0	.00	29.23	990.0	-3.3	.00	356.0
04:00	0.015564	23.6	24.2	.00	29.23	990.0	-2.9	.00	43.1
05:00	0.015446	23.3	24.0	.00	29.23	989.9	-2.3	.00	14.4
06:00	0.015272	23.1	23.7	.00	29.24	990.3	-.9	.00	338.1
07:00	0.015172	23.0	23.6	.00	29.26	990.8	22.6	.03	.6
08:00	0.015075	23.5	23.5	.00	29.27	991.4	116.7	.17	62.2
09:00	0.014377	22.8	22.4	.00	29.28	991.6	400.5	.57	63.9
10:00	0.014031	22.6	21.9	.00	29.29	991.9	626.9	.90	218.6
11:00	0.013328	21.6	20.8	.00	29.30	992.1	692.0	.99	157.7
12:00	0.013563	21.7	21.2	.00	29.29	991.8	797.4	1.14	169.4
13:00	0.013662	21.8	21.3	.00	29.27	991.1	862.4	1.24	191.7
14:00	0.012992	20.5	20.3	.00	29.24	990.3	841.7	1.21	239.6
15:00	0.01337	21.0	20.8	.00	29.23	989.9	879.5	1.26	299.7
16:00	0.013655	21.2	21.3	.00	29.22	989.5	400.7	.57	2.9
17:00	0.013118	20.5	20.4	.00	29.21	989.2	370.4	.53	33.0
18:00	0.013005	20.4	20.3	.00	29.22	989.5	287.3	.41	37.5
19:00	0.013852	22.0	21.5	.00	29.21	989.1	103.2	.15	316.3
20:00	0.013803	22.3	21.5	.00	29.20	989.0	9.4	.01	330.8
21:00	0.013811	21.5	21.5	.00	29.21	989.1	-2.2	.00	.1
22:00	0.014113	21.6	22.0	.00	29.23	989.9	-2.0	.00	332.5
23:00	0.014263	21.7	22.2	.00	29.23	990.0	-2.8	.00	286.1
Avg	0.014306	22.2	22.3	.00	29.24	990.3	266.2	.38	346.0
Max	0.015564	23.6	24.2	.00	29.30	992.1	879.5	1.26	356.0
Hr. of Max	04	04	04	23	11	11	15	15	03
Min	0.012992	20.4	20.3	.00	29.20	989.0	-3.3	.00	.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/16/2015

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	88.8	108.0	288.1	106.6	29.9	18.6	19.5	.7	.3
01:00	74.4	75.8	1.4	63.9	39.7	41.9	35.5	.5	.9
02:00	63.3	59.4	345.5	57.4	29.1	11.9	11.1	.6	1.2
03:00	64.8	72.3	4.9	70.2	53.3	12.4	8.6	.5	1.3
04:00	64.1	64.9	47.3	61.7	21.8	9.9	7.4	1.4	2.3
05:00	76.1	67.0	13.6	64.6	42.4	11.5	8.0	.7	1.7
06:00	78.5	69.2	333.9	68.1	39.5	15.2	8.0	.4	1.0
07:00	66.0	81.1	12.7	66.9	37.8	12.5	24.7	1.0	1.5
08:00	74.0	75.7	65.3	73.3	24.1	17.0	15.9	1.4	2.2
09:00	58.8	51.5	74.5	49.5	45.2	31.0	27.0	1.9	2.3
10:00	200.0	198.6	206.4	194.1	68.9	63.6	53.1	.8	.8
11:00	159.2	165.8	159.6	164.4	41.3	33.8	31.9	2.1	2.6
12:00	174.6	185.6	179.2	186.2	59.7	53.5	49.3	2.3	2.6
13:00	189.2	200.5	195.8	201.1	63.0	60.1	57.4	1.8	1.8
14:00	250.4	253.3	244.3	253.5	27.5	25.2	20.5	4.9	6.0
15:00	306.7	305.7	303.4	302.6	36.7	28.5	23.2	4.3	5.5
16:00	15.5	14.4	6.8	10.3	42.8	28.0	24.1	2.3	4.1
17:00	34.6	34.7	32.3	30.4	46.7	27.1	22.3	2.0	3.5
18:00	52.2	49.4	39.3	45.3	40.7	31.7	31.2	1.3	2.2
19:00	25.1	38.1	313.2	32.6	33.9	19.0	7.5	.6	2.4
20:00	52.7	62.7	333.0	60.2	24.5	14.2	7.4	.9	2.0
21:00	70.2	71.4	4.2	68.7	21.1	9.2	8.1	1.0	1.9
22:00	71.0	71.2	337.5	69.4	29.8	13.8	11.1	.6	1.4
23:00	100.9	43.1	283.7	44.7	29.6	39.9	24.7	.8	.0
Avg	73.0	70.0	350.0	66.0	38.7	26.2	22.4	.0	.0
Max	306.7	305.7	345.5	302.6	68.9	63.6	57.4	4.9	6.0
Hr. of Max	15	15	02	15	10	10	13	14	14
Min	15.5	14.4	1.4	10.3	21.1	9.2	7.4	.4	.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/16/2015

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	1.0	.4	.4	1.2	.8	1.6	.1	.03
01:00	1.1	.8	1.0	1.1	1.0	1.4	2.5	.6	.03
02:00	1.8	.7	1.3	1.8	.9	2.1	2.3	.7	.04
03:00	1.8	.7	1.3	1.8	1.0	2.1	-1.0	-.2	-.03
04:00	3.0	1.4	2.4	3.0	1.6	3.3	-2.2	-.6	-.12
05:00	2.4	.8	1.8	2.5	1.0	2.7	-.5	.8	-.05
06:00	1.8	.6	1.0	1.8	.9	2.1	1.9	1.8	.01
07:00	1.4	1.0	1.5	1.5	1.3	1.8	-1.5	-.3	-.11
08:00	2.4	1.7	2.3	2.4	1.9	2.7	-1.2	.1	-.04
09:00	2.6	2.5	2.7	2.9	2.9	3.4	.0	.4	-.07
10:00	1.0	1.9	1.9	1.9	2.5	2.5	3.2	-4.9	.14
11:00	2.7	3.0	3.3	3.4	3.5	4.0	2.3	3.8	.12
12:00	2.8	3.0	3.1	3.3	3.6	4.0	1.8	-2.8	.08
13:00	1.9	2.6	2.9	2.7	3.3	3.5	6.2	11.1	.36
14:00	6.6	5.5	6.6	7.1	6.2	7.8	-2.2	-4.2	-.39
15:00	6.5	5.4	6.6	7.4	5.9	8.0	-5.2	-3.1	-.71
16:00	4.7	3.0	4.7	5.3	3.4	5.8	2.2	4.3	-.19
17:00	4.2	2.8	4.2	4.8	3.3	5.3	3.7	4.4	.09
18:00	2.5	1.8	2.6	2.9	2.3	3.4	.6	8.7	.01
19:00	3.7	.9	2.5	3.7	1.3	4.0	.2	2.1	-.04
20:00	2.5	1.0	2.1	2.6	1.3	2.8	3.3	.6	.09
21:00	2.8	1.2	2.0	2.8	1.4	3.0	2.7	.9	.07
22:00	2.3	.9	1.4	2.3	1.1	2.5	2.4	.9	.05
23:00	.4	1.0	.1	.4	1.2	.8	1.1	-.6	.02
Avg	.0	1.9	2.5	2.9	2.3	3.3	1.0	1.0	-.03
Max	6.6	5.5	6.6	7.4	6.2	8.0	6.2	11.1	.36
Hr. of Max	14	14	15	15	14	15	13	13	13
Min	.4	.6	.1	.4	.9	.8	-5.2	-4.9	-.71
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/16/2015

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	.00	2.5	2.3	2.1	2.7	2.3	5.8	8.4
01:00	.02	2.5	2.7	2.7	2.6	3.1	7.2	4.4
02:00	.03	2.1	3.0	3.0	2.2	3.1	9.7	4.6
03:00	.00	2.7	4.1	3.7	2.6	4.3	10.0	5.0
04:00	-.05	3.9	4.4	5.0	3.6	5.3	14.0	4.8
05:00	.00	3.2	4.4	4.8	3.1	5.2	11.4	5.8
06:00	.02	2.7	3.9	7.1	2.6	4.3	10.6	8.9
07:00	-.01	2.7	3.7	4.8	3.0	5.2	11.6	10.5
08:00	.00	5.3	6.2	5.3	5.7	5.6	18.8	12.8
09:00	.04	6.4	7.6	8.2	6.6	6.8	23.6	25.1
10:00	-.22	6.2	5.0	6.6	7.2	7.5	30.2	32.9
11:00	.16	8.2	7.8	7.8	8.2	8.7	23.4	25.6
12:00	-.31	8.7	8.5	9.6	8.9	10.1	27.6	33.0
13:00	.72	9.2	8.5	8.5	9.8	10.0	27.4	30.9
14:00	-.62	14.7	16.3	18.1	15.8	20.4	19.2	17.8
15:00	-.76	23.8	22.4	24.7	15.7	16.5	18.6	17.7
16:00	.21	9.6	11.2	11.4	10.2	12.0	27.5	18.1
17:00	.35	10.3	11.2	12.1	11.6	12.0	26.3	17.1
18:00	.59	7.3	8.2	8.0	7.7	7.9	26.2	20.4
19:00	.15	4.1	6.2	6.2	4.8	6.7	18.4	7.4
20:00	.03	2.5	3.4	6.4	3.0	4.3	11.3	5.1
21:00	.05	3.7	3.7	4.4	2.9	4.5	7.6	3.0
22:00	.06	3.4	3.4	5.7	2.8	4.5	10.3	5.3
23:00	.00	2.7	1.1	1.8	3.1	2.0	7.8	8.8
Avg	.02	6.2	6.6	7.4	6.1	7.2	16.9	13.9
Max	.72	23.8	22.4	24.7	15.8	20.4	30.2	33.0
Hr. of Max	13	15	15	15	14	14	10	12
Min	-.76	2.1	1.1	1.8	2.2	2.0	5.8	3.0
Count	24	24	24	24	24	24	24	24
Total								