Date Printed: 09/02/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/1/2015

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	19.1	20.3	20.6	21.2	1.18	1.55	2.07	.37	.89
01:00	18.8	20.1	20.2	20.5	1.23	1.38	1.67	.15	.44
02:00	18.4	19.4	19.6	19.9	.97	1.23	1.52	.26	.56
03:00	18.2	19.2	19.5	20.0	.99	1.33	1.80	.34	.81
04:00	18.3	19.2	19.4	19.8	.93	1.10	1.49	.17	.56
05:00	17.9	19.0	19.1	19.3	1.08	1.26	1.46	.18	.38
06:00	17.6	18.5	18.8	19.1	.86	1.18	1.42	.31	.56
07:00	18.4	18.8	19.0	19.2	.38	.62	.72	.23	.34
08:00	21.1	20.7	20.5	20.4	-.38	-.60	-.68	-.22	-.30
09:00	23.3	22.7	22.4	22.2	-.67	-.97	-1.09	-.30	-.42
10:00	25.1	24.2	23.9	23.7	-.96	-1.26	-1.41	-.30	-.45
11:00	27.3	26.1	25.8	25.6	-1.17	-1.53	-1.72	-.36	-.55
12:00	28.9	27.5	27.2	27.0	-1.32	-1.68	-1.84	-.36	-.53
13:00	29.8	28.6	28.2	28.1	-1.26	-1.61	-1.74	-.35	-.48
14:00	30.3	29.1	28.7	28.6	-1.23	-1.57	-1.72	-.34	-.49
15:00	30.5	29.6	29.3	29.2	-.93	-1.23	-1.34	-.30	-.41
16:00	30.6	29.9	29.6	29.5	-.77	-1.04	-1.16	-.27	-.39
17:00	30.3	29.8	29.6	29.5	-.50	-.70	-.79	-.20	-.29
18:00	29.1	29.4	29.4	29.5	.26	.34	.35	.08	.10
19:00	25.5	26.2	27.9	28.3	.78	2.45	2.89	1.67	2.11
20:00	23.3	24.8	25.7	26.2	1.43	2.37	2.87	.94	1.43
21:00	22.2	23.7	24.1	25.0	1.45	1.88	2.76	.42	1.31
22:00	22.0	23.1	23.5	24.0	1.05	1.44	1.94	.39	.88
23:00	22.0	22.8	23.2	23.6	.71	1.11	1.54	.40	.83
Avg	23.7	23.9	24.0	24.1	.17	.29	.46	.12	.29
Max	30.6	29.9	29.6	29.5	1.45	2.45	2.89	1.67	2.11
Hr. of Max	16	16	17	18	21	19	19	19	19
Min	17.6	18.5	18.8	19.1	-1.32	-1.68	-1.84	-.36	-.55
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/1/2015

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	17.4	18.7	18.0	25.2	92.1	92.6	14.8	15.9	0.012818
01:00	17.2	18.6	17.8	25.1	92.4	93.2	14.6	15.9	0.012659
02:00	16.9	18.3	17.4	24.9	92.8	95.6	14.3	15.6	0.012388
03:00	16.7	18.1	17.2	24.8	93.0	95.7	14.2	15.5	0.012239
04:00	16.9	18.1	17.3	24.7	93.3	95.2	14.3	15.4	0.012354
05:00	16.6	17.9	17.0	24.6	93.8	95.9	14.1	15.3	0.012116
06:00	16.4	17.6	16.8	24.5	94.1	96.6	13.9	15.0	0.011962
07:00	17.0	17.6	17.5	24.3	93.1	94.9	14.4	15.0	0.012439
08:00	18.2	17.5	19.1	24.2	85.3	83.5	15.4	14.8	0.01343
09:00	18.6	18.1	20.1	24.2	76.4	77.2	15.7	15.3	0.013781
10:00	18.8	18.3	20.9	24.2	69.8	71.3	15.9	15.4	0.014019
11:00	18.8	18.3	21.6	24.3	61.3	63.5	15.8	15.3	0.014028
12:00	18.0	17.5	21.6	24.5	53.5	55.8	15.0	14.5	0.013397
13:00	17.9	17.4	21.9	24.8	50.2	52.4	14.8	14.5	0.01332
14:00	17.4	17.1	21.7	25.1	47.4	49.9	14.4	14.2	0.012912
15:00	17.5	17.3	21.8	25.4	47.0	48.8	14.4	14.3	0.012991
16:00	17.8	17.4	22.1	25.6	47.7	48.5	14.7	14.3	0.013246
17:00	18.2	17.6	22.2	25.8	49.8	49.4	15.1	14.5	0.013565
18:00	19.0	18.2	22.4	26.0	56.3	52.7	15.9	15.1	0.014288
19:00	19.8	19.2	21.7	26.1	72.8	67.1	16.8	16.2	0.014955
20:00	19.0	19.1	20.5	26.2	78.6	72.7	16.2	16.2	0.01424
21:00	19.1	20.0	20.2	26.1	84.5	81.8	16.3	17.1	0.014307
22:00	19.5	20.3	20.4	26.1	87.9	86.4	16.7	17.5	0.01469
23:00	19.8	20.4	20.5	26.0	89.1	88.5	17.0	17.6	0.014899
Avg	18.0	18.3	19.9	25.1	75.1	75.4	15.2	15.4	0.013377
Max	19.8	20.4	22.4	26.2	94.1	96.6	17.0	17.6	0.014955
Hr. of Max	23	23	18	20	06	06	23	23	19
Min	16.4	17.1	16.8	24.2	47.0	48.5	13.9	14.2	0.011962
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/1/2015

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	0.013872	20.0	21.6	.00	29.20	989.0	-2.4	.00	341.7
01:00	0.013793	19.7	21.5	.00	29.20	988.9	-1.1	.00	10.2
02:00	0.013561	19.3	21.1	.00	29.20	988.7	-1.5	.00	296.1
03:00	0.013406	19.1	20.9	.00	29.19	988.7	-2.3	.00	355.2
04:00	0.013361	19.3	20.8	.00	29.20	988.7	-3.4	.00	16.1
05:00	0.013249	18.9	20.6	.00	29.20	989.0	-3.6	-.01	332.9
06:00	0.012971	18.7	20.2	.00	29.22	989.5	-3.5	.00	316.2
07:00	0.012979	19.4	20.2	.00	29.23	989.9	44.9	.06	286.2
08:00	0.012848	20.9	20.0	.00	29.24	990.2	299.5	.43	119.4
09:00	0.013363	21.5	20.8	.00	29.25	990.4	456.9	.65	92.0
10:00	0.01353	21.8	21.1	.00	29.25	990.6	617.8	.89	101.6
11:00	0.013552	21.8	21.1	.00	29.24	990.4	774.5	1.11	106.5
12:00	0.012935	20.9	20.2	.00	29.22	989.6	867.1	1.24	114.2
13:00	0.012921	20.7	20.1	.00	29.21	989.1	881.2	1.26	107.0
14:00	0.01267	20.1	19.7	.00	29.20	988.8	814.8	1.17	109.0
15:00	0.012791	20.2	19.9	.00	29.19	988.4	698.0	1.00	86.8
16:00	0.012892	20.6	20.1	.00	29.17	988.0	557.7	.80	107.2
17:00	0.013068	21.1	20.3	.00	29.17	987.9	353.4	.51	322.7
18:00	0.013585	22.2	21.1	.00	29.17	987.9	119.8	.17	309.5
19:00	0.014441	23.2	22.4	.00	29.16	987.6	28.0	.04	314.0
20:00	0.01434	22.1	22.3	.00	29.17	987.9	-1.5	.00	280.6
21:00	0.015124	22.2	23.5	.00	29.19	988.5	-2.5	.00	282.3
22:00	0.015393	22.8	23.9	.00	29.20	988.8	-1.9	.00	350.8
23:00	0.01546	23.1	24.0	.00	29.20	988.8	-3.3	.00	316.3
Avg	0.013588	20.8	21.1	.00	29.20	989.0	270.3	.39	5.0
Max	0.01546	23.2	24.0	.00	29.25	990.6	881.2	1.26	355.2
Hr. of Max	23	19	23	23	10	10	13	13	03
Min	0.01267	18.7	19.7	.00	29.16	987.6	-3.6	-.01	10.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/1/2015

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	72.3	71.9	350.8	78.1	17.3	7.3	8.0	.5	1.0
01:00	78.6	65.5	12.2	63.3	29.8	9.7	10.1	.7	1.1
02:00	106.5	68.5	275.5	74.4	36.8	19.8	19.0	.3	.2
03:00	58.8	7.9	356.6	3.8	20.9	18.4	8.1	.3	.8
04:00	79.4	52.8	17.5	49.4	45.6	6.9	8.7	.5	1.5
05:00	85.8	73.8	323.1	71.4	33.6	12.9	8.6	.3	.7
06:00	74.2	62.0	286.7	60.0	42.5	10.0	6.0	.1	.7
07:00	77.3	72.3	282.0	69.3	53.6	10.7	9.5	.1	.7
08:00	105.9	80.0	125.3	78.0	25.2	17.6	26.7	1.0	1.1
09:00	90.4	83.8	93.7	80.1	21.1	17.5	17.2	3.9	4.2
10:00	93.4	88.5	104.2	85.3	29.3	33.9	33.7	3.1	3.2
11:00	104.3	100.6	107.6	96.6	35.4	28.3	25.9	3.1	3.4
12:00	109.8	103.1	116.1	99.5	39.1	34.8	34.6	3.3	3.6
13:00	102.1	98.6	107.1	95.0	38.8	28.4	27.4	4.0	4.5
14:00	110.2	105.4	115.3	102.0	61.6	32.3	33.6	2.9	3.4
15:00	92.6	87.7	90.5	83.8	39.0	30.0	31.3	3.2	3.6
16:00	98.2	96.8	113.3	93.9	44.0	34.0	29.0	1.6	2.1
17:00	333.7	328.2	321.1	324.1	18.9	19.5	19.2	2.0	2.4
18:00	320.5	315.9	308.7	311.8	15.1	13.4	11.4	1.7	2.7
19:00	26.0	14.6	314.2	14.6	20.5	30.1	18.6	.7	1.1
20:00	127.5	56.1	280.4	63.5	22.3	33.8	28.7	.8	.1
21:00	197.0	207.5	281.6	207.1	42.2	36.9	28.0	.7	.9
22:00	99.7	196.1	4.7	177.8	41.7	50.2	34.7	.6	.6
23:00	95.2	99.7	309.5	83.7	30.3	21.8	22.1	.5	.2
Avg	88.0	74.0	3.0	73.0	33.5	23.3	20.8	.0	.0
Max	333.7	328.2	356.6	324.1	61.6	50.2	34.7	4.0	4.5
Hr. of Max	17	17	03	17	14	22	22	13	13
Min	26.0	7.9	4.7	3.8	15.1	6.9	6.0	.1	.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/1/2015

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	.7	.6	1.0	.7	.9	1.1	1.4	.7	.01
01:00	1.5	.8	1.1	1.5	.9	1.8	1.5	-.2	.03
02:00	.4	.4	.2	.4	.8	.7	1.7	.0	.03
03:00	1.1	.3	.8	1.2	.6	1.4	1.7	1.7	.02
04:00	1.9	.6	1.5	2.0	.9	2.2	1.2	4.2	.02
05:00	2.0	.5	.7	2.0	.9	2.3	1.9	1.6	.03
06:00	1.2	.5	.8	1.3	.8	1.6	1.1	2.7	.02
07:00	1.4	.5	.8	1.4	.8	1.7	2.1	.5	.03
08:00	1.2	1.1	1.2	1.3	1.6	1.7	5.3	-2.6	.15
09:00	4.1	4.1	4.3	4.3	4.6	4.7	1.2	2.9	.09
10:00	3.2	3.5	3.7	3.7	4.1	4.2	1.2	5.3	.15
11:00	3.6	3.5	3.8	4.0	4.2	4.6	2.2	3.5	.18
12:00	3.8	4.0	4.3	4.5	4.6	5.0	4.1	4.4	.29
13:00	4.7	4.6	5.1	5.1	5.3	5.8	.2	5.6	-.04
14:00	3.4	3.5	3.7	3.8	4.1	4.5	4.4	-4.4	.12
15:00	3.7	3.6	4.0	4.1	4.2	4.9	.3	3.9	-.02
16:00	2.4	3.0	3.6	3.7	3.6	4.4	1.7	5.0	.06
17:00	2.3	2.1	2.5	2.4	2.4	2.7	-3.1	-7.9	-.20
18:00	3.0	1.8	2.8	3.2	2.0	3.2	.3	-4.9	-.06
19:00	.9	.8	1.7	1.7	1.0	1.7	3.8	1.9	.06
20:00	.6	.9	.9	.8	1.2	1.1	-.3	-1.8	.02
21:00	1.4	.8	1.0	1.4	1.1	1.7	-.1	-.7	-.01
22:00	.6	.8	1.0	1.5	1.0	1.9	2.2	1.5	.04
23:00	.4	.7	.3	.6	.9	.9	.7	-1.0	.02
Avg	.0	1.8	2.1	2.4	2.2	2.7	1.5	.9	.04
Max	4.7	4.6	5.1	5.1	5.3	5.8	5.3	5.6	.29
Hr. of Max	13	13	13	13	13	13	08	13	12
Min	.4	.3	.2	.4	.6	.7	-3.1	-7.9	-.20
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/1/2015

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	2.1	2.5	2.3	2.2	2.6	6.8	4.8
01:00	.02	2.3	2.7	3.9	2.0	2.8	5.4	5.9
02:00	.01	3.0	2.3	3.7	2.1	2.1	6.3	7.6
03:00	.06	1.8	2.5	2.7	1.7	3.1	7.4	5.9
04:00	.17	2.5	3.2	3.4	2.1	3.4	6.6	4.3
05:00	.06	1.6	1.8	4.8	1.9	3.7	8.3	4.6
06:00	.07	2.3	2.3	3.0	1.9	3.2	6.8	5.5
07:00	.03	1.8	3.7	4.6	2.3	3.3	10.4	5.4
08:00	-.05	4.6	4.8	4.6	5.2	5.2	25.6	21.2
09:00	.21	8.2	8.2	9.2	8.7	8.5	15.9	17.9
10:00	.42	11.9	9.2	10.5	9.7	8.2	18.8	20.0
11:00	.36	11.0	7.8	8.5	9.1	9.9	22.8	22.9
12:00	.42	10.1	10.1	11.0	11.1	11.6	20.9	22.6
13:00	.58	13.3	12.6	11.9	13.9	13.1	21.3	22.1
14:00	-.44	13.3	13.1	12.4	12.4	10.4	25.7	30.2
15:00	.49	14.0	13.1	14.2	9.3	11.0	21.7	24.3
16:00	.38	9.6	8.9	9.4	10.0	9.5	23.3	26.1
17:00	-.41	4.6	5.3	4.8	4.7	5.7	18.6	15.5
18:00	-.30	6.2	6.2	7.1	5.3	6.0	13.3	7.8
19:00	.06	3.2	4.8	4.6	3.4	3.8	11.8	10.4
20:00	-.02	2.7	2.7	3.0	3.0	3.1	8.2	14.0
21:00	-.01	2.7	3.9	3.4	3.1	3.6	10.1	9.0
22:00	.03	2.5	2.5	3.7	3.0	3.9	6.9	7.7
23:00	-.01	3.4	1.4	1.6	2.4	1.8	6.4	8.1
Avg	.09	5.8	5.7	6.2	5.4	5.8	13.7	13.5
Max	.58	14.0	13.1	14.2	13.9	13.1	25.7	30.2
Hr. of Max	13	15	15	15	13	13	14	14
Min	-.44	1.6	1.4	1.6	1.7	1.8	5.4	4.3
Count	24	24	24	24	24	24	24	24
Total								