Date Printed: 08/05/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/4/2015

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	20.9	21.9	22.4	22.8	1.04	1.49	1.90	.45	.86
01:00	20.3	21.3	21.8	22.4	.99	1.49	2.03	.50	1.04
02:00	20.0	20.6	21.1	21.6	.60	1.07	1.62	.47	1.01
03:00	19.6	20.1	20.6	21.4	.60	1.10	1.89	.50	1.29
04:00	19.3	20.1	20.4	21.0	.84	1.16	1.75	.32	.91
05:00	19.1	20.1	20.2	20.4	.98	1.15	1.33	.17	.35
06:00	19.0	19.8	20.0	20.3	.78	.98	1.32	.21	.54
07:00	19.5	19.9	20.2	20.5	.36	.72	.96	.37	.61
08:00	22.2	22.0	21.8	21.9	-.25	-.36	-.36	-.11	-.11
09:00	25.0	24.4	24.2	24.1	-.59	-.84	-.96	-.24	-.36
10:00	27.4	26.6	26.3	26.1	-.84	-1.12	-1.28	-.28	-.44
11:00	29.4	28.4	28.2	28.0	-.96	-1.20	-1.35	-.24	-.38
12:00	31.1	29.8	29.6	29.4	-1.29	-1.57	-1.70	-.28	-.41
13:00	32.2	30.9	30.6	30.5	-1.24	-1.57	-1.70	-.33	-.45
14:00	32.6	31.4	31.1	30.9	-1.22	-1.50	-1.65	-.28	-.44
15:00	33.2	31.9	31.6	31.5	-1.31	-1.61	-1.71	-.31	-.40
16:00	33.4	32.3	31.9	31.7	-1.12	-1.55	-1.68	-.43	-.56
17:00	33.3	32.5	32.2	32.0	-.86	-1.12	-1.28	-.26	-.41
18:00	32.1	31.9	31.9	32.0	-.15	-.14	-.13	.00	.02
19:00	29.3	29.0	30.3	30.8	-.27	.97	1.46	1.24	1.73
20:00	26.7	27.8	28.9	29.3	1.09	2.10	2.56	1.01	1.47
21:00	25.4	26.9	27.4	27.8	1.49	1.95	2.34	.45	.85
22:00	25.8	26.7	26.9	27.1	.97	1.09	1.31	.11	.34
23:00	25.4	26.3	26.3	26.5	.86	.90	1.04	.04	.18
Avg	25.9	25.9	26.1	26.3	.02	.15	.32	.13	.30
Max	33.4	32.5	32.2	32.0	1.49	2.10	2.56	1.24	1.73
Hr. of Max	16	17	17	18	21	20	20	19	19
Min	19.0	19.8	20.0	20.3	-1.31	-1.61	-1.71	-.43	-.56
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/4/2015

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	18.5	19.2	19.3	28.1	88.6	86.7	15.8	16.4	0.013842
01:00	18.4	19.3	19.0	27.9	90.4	90.2	15.6	16.5	0.013681
02:00	18.2	19.1	18.8	27.7	91.3	93.1	15.5	16.3	0.013513
03:00	17.9	18.9	18.5	27.5	92.3	94.8	15.2	16.2	0.013289
04:00	17.7	19.0	18.2	27.3	92.8	95.2	15.1	16.2	0.01313
05:00	17.6	18.8	18.1	27.1	93.3	94.5	15.0	16.1	0.013047
06:00	17.5	18.7	18.0	26.9	93.1	95.8	14.9	16.0	0.012936
07:00	17.9	18.5	18.5	26.7	92.7	93.9	15.3	15.8	0.013289
08:00	18.5	17.8	19.7	26.5	81.3	79.3	15.7	15.1	0.013758
09:00	18.6	17.8	20.7	26.4	69.2	68.3	15.6	15.0	0.013873
10:00	18.9	18.3	21.7	26.3	61.3	62.1	15.8	15.3	0.014181
11:00	20.0	19.6	23.1	26.5	58.9	60.7	16.9	16.5	0.015269
12:00	20.4	20.1	24.0	26.9	54.6	57.7	17.2	17.0	0.015643
13:00	19.9	19.8	24.0	27.4	50.0	53.1	16.7	16.6	0.015212
14:00	20.0	19.9	24.2	28.0	49.1	52.4	16.8	16.7	0.015288
15:00	20.2	20.1	24.5	28.5	47.9	51.2	16.9	16.9	0.015489
16:00	20.0	19.8	24.5	28.8	47.0	49.4	16.8	16.6	0.015351
17:00	20.1	19.9	24.5	29.1	47.5	49.3	16.9	16.7	0.015444
18:00	20.7	20.0	24.5	29.4	53.1	51.2	17.6	16.8	0.016029
19:00	22.0	22.0	24.4	29.5	66.8	67.9	19.0	19.0	0.017258
20:00	21.7	21.4	23.4	29.5	76.2	70.3	18.9	18.5	0.016949
21:00	21.6	22.1	22.9	29.5	81.5	77.2	18.8	19.3	0.016769
22:00	21.3	21.2	22.8	29.3	78.6	73.7	18.5	18.3	0.016487
23:00	20.7	20.7	22.3	29.1	77.0	73.3	17.8	17.7	0.015828
Avg	19.5	19.7	21.7	27.9	72.3	72.6	16.6	16.7	0.014815
Max	22.0	22.1	24.5	29.5	93.3	95.8	19.0	19.3	0.017258
Hr. of Max	19	21	18	21	05	06	19	21	19
Min	17.5	17.8	18.0	26.3	47.0	49.3	14.9	15.0	0.012936
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/4/2015

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	0.014436	21.4	22.3	.00	29.06	984.2	-3.2	.00	322.8
01:00	0.014508	21.2	22.4	.00	29.06	984.2	-1.7	.00	304.7
02:00	0.014315	20.9	22.1	.00	29.06	984.2	-2.4	.00	263.8
03:00	0.014165	20.6	21.9	.00	29.06	984.2	-3.2	.00	291.3
04:00	0.014201	20.3	22.0	.00	29.07	984.4	-1.4	.00	327.6
05:00	0.014051	20.2	21.8	.00	29.08	984.7	-2.6	.00	351.5
06:00	0.013969	20.1	21.6	.00	29.09	985.1	-1.1	.00	313.3
07:00	0.013757	20.6	21.3	.00	29.10	985.6	60.0	.09	266.3
08:00	0.01321	21.3	20.5	.00	29.11	985.8	260.1	.37	223.6
09:00	0.013233	21.5	20.5	.00	29.11	985.8	478.3	.69	201.9
10:00	0.013671	22.0	21.2	.00	29.12	986.3	676.3	.97	213.3
11:00	0.014874	23.6	23.0	.00	29.12	986.3	769.7	1.10	221.9
12:00	0.015351	24.2	23.8	.00	29.12	986.2	876.3	1.26	256.8
13:00	0.015043	23.5	23.3	.00	29.11	985.9	876.8	1.26	239.9
14:00	0.01521	23.6	23.5	.00	29.10	985.4	798.8	1.15	259.4
15:00	0.015377	23.9	23.8	.00	29.08	984.9	857.7	1.23	252.7
16:00	0.015154	23.7	23.4	.00	29.07	984.4	681.9	.98	203.6
17:00	0.015252	23.8	23.6	.00	29.06	984.2	370.4	.53	250.2
18:00	0.015355	24.7	23.7	.00	29.06	984.2	240.9	.35	257.0
19:00	0.017251	26.6	26.6	.00	29.07	984.4	101.8	.15	303.6
20:00	0.016677	26.1	25.7	.00	29.08	984.8	11.8	.02	310.7
21:00	0.017359	25.9	26.8	.00	29.10	985.6	-2.2	.00	20.5
22:00	0.016379	25.5	25.3	.00	29.12	986.3	-2.1	.00	42.8
23:00	0.01585	24.5	24.5	.00	29.13	986.5	-2.3	.00	58.6
Avg	0.014944	22.9	23.1	.00	29.09	985.2	293.3	.42	276.0
Max	0.017359	26.6	26.8	.00	29.13	986.5	876.8	1.26	351.5
Hr. of Max	21	19	21	23	23	23	13	13	05
Min	0.01321	20.1	20.5	.00	29.06	984.2	-3.2	.00	20.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/4/2015

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	81.8	83.1	322.3	80.2	39.2	7.5	10.4	.3	.5
01:00	77.3	46.1	303.9	41.3	19.9	18.5	11.4	.6	.5
02:00	198.1	228.3	256.9	222.6	20.4	42.3	32.9	1.1	1.0
03:00	51.7	283.5	291.9	282.2	49.7	42.3	25.0	.4	.3
04:00	74.6	63.3	313.2	63.2	22.6	10.5	13.5	.3	.5
05:00	80.7	63.1	348.8	60.6	43.5	10.2	8.8	.5	.9
06:00	82.3	55.3	311.2	54.3	27.1	12.4	13.0	.4	.6
07:00	89.1	42.7	263.2	40.5	32.1	38.1	16.6	.6	.4
08:00	129.8	57.8	212.8	185.2	57.3	36.4	45.1	.4	.3
09:00	208.8	225.5	207.7	226.8	25.2	27.7	25.9	2.0	1.9
10:00	209.3	227.5	214.6	226.9	48.4	53.2	34.5	1.5	1.5
11:00	231.3	230.0	227.7	230.6	40.7	36.9	27.1	2.5	2.8
12:00	264.1	263.5	259.2	262.4	35.4	33.9	29.6	3.0	3.8
13:00	254.6	256.9	245.3	256.9	46.2	40.3	30.7	3.1	3.9
14:00	272.0	276.4	256.8	274.7	58.2	54.1	53.7	1.2	1.6
15:00	264.5	262.2	255.5	262.2	44.6	38.6	29.9	2.9	3.8
16:00	215.2	215.9	207.4	218.1	29.4	23.5	21.0	4.1	5.0
17:00	256.4	252.4	254.3	253.7	29.6	23.5	17.2	3.3	4.3
18:00	238.9	236.7	258.2	238.0	29.7	27.2	13.5	1.5	2.8
19:00	231.4	226.6	303.7	227.9	9.2	18.1	8.7	.8	1.0
20:00	74.7	72.7	314.5	57.3	28.3	43.3	42.1	1.0	.6
21:00	59.1	58.8	24.3	55.5	28.3	10.0	14.8	1.4	3.2
22:00	53.7	54.9	45.9	50.7	22.2	12.1	6.8	2.2	5.3
23:00	57.0	51.7	60.7	47.6	22.4	17.3	10.5	2.0	4.2
Avg	150.0	283.0	275.0	258.0	33.7	28.2	22.6	.0	.0
Max	272.0	283.5	348.8	282.2	58.2	54.1	53.7	4.1	5.3
Hr. of Max	14	03	05	03	14	14	14	16	22
Min	51.7	42.7	24.3	40.5	9.2	7.5	6.8	.3	.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/4/2015

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	1.3	.3	.5	1.3	.7	1.6	.0	-.7	.00
01:00	1.1	.8	.6	1.1	1.1	1.4	.3	-.1	.01
02:00	.9	1.2	1.1	.9	1.5	1.2	1.4	1.9	.02
03:00	1.0	.5	1.4	1.2	.8	1.4	1.8	.3	.03
04:00	1.0	.4	.5	1.1	.7	1.4	2.4	-.6	.05
05:00	1.7	.8	.9	1.7	1.0	2.0	.9	-.3	.02
06:00	1.3	.6	.6	1.3	1.0	1.6	2.9	-1.3	.04
07:00	1.2	.6	.6	1.3	1.0	1.6	-.5	1.5	-.01
08:00	.2	.4	.4	.5	.8	.9	-1.4	-6.7	.00
09:00	1.9	2.1 >	2.1 >	2.1 >	2.5	2.6	-.2	-3.8	-.01
10:00	1.7	1.9	2.0	2.1	2.5	2.7	1.8	-4.5	.11
11:00	2.9	3.2	3.3	3.3	3.7	3.9	.9	-2.8	.02
12:00	4.1	3.8	4.6	4.7	4.3	5.3	-1.0	-1.4	-.18
13:00	4.5	3.8	4.5	5.0	4.3	5.6	.1	-1.8	-.08
14:00	1.8	2.5	2.8	2.8	3.0	3.4	-1.2	-3.9	-.19
15:00	4.4	4.3	5.1	5.4	4.8	5.9	-2.4	1.1	-.28
16:00	5.6	4.7	5.6	6.1	5.2	6.7	.2	-1.6	-.13
17:00	4.9	3.9	4.7	5.2	4.3	5.6	-3.7	.7	-.35
18:00	3.6	1.7	2.9	3.6	2.1	4.0	.0	-1.1	-.08
19:00	1.9	.8	1.1	2.0	1.1	2.3	4.0	.1	.07
20:00	.5	1.2	1.3	1.6	1.4	1.8	1.3	.7	.03
21:00	4.4	1.7	3.3	4.5	1.8	4.7	-1.5	.5	-.09
22:00	8.0	2.4	5.4	8.0	2.5	8.4	-1.8	-1.3	-.19
23:00	6.2	2.2	4.4	6.3	2.5	6.6	-2.2	.7	-.17
Avg	.0	1.9	2.5	3.0	2.3	3.4	.1	-1.0	-.06
Max	8.0	4.7	5.6	8.0	5.2	8.4	4.0	1.9	.11
Hr. of Max	22	16	16	22	16	22	19	02	10
Min	.2	.3	.4	.5	.7	.9	-3.7	-6.7	-.35
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/4/2015

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	1.8	3.0	3.7	2.0	2.4	7.8	3.4
01:00	.00	1.8	2.1	3.2	1.9	2.7	6.4	3.3
02:00	.04	2.7	2.7	2.1	2.9	2.2	5.7	4.9
03:00	.03	2.1	3.0	3.4	1.9	2.9	7.0	6.8
04:00	-.01	2.1	1.8	2.1	2.1	2.2	7.8	3.8
05:00	.00	3.7	3.0	3.4	2.3	3.5	8.8	3.3
06:00	-.05	2.3	2.5	3.2	2.5	3.4	8.1	7.4
07:00	.03	3.0	2.5	4.1	3.4	3.9	9.3	8.4
08:00	-.06	2.7	3.2	2.1	3.3	2.6	26.4	21.4
09:00	-.24	5.0	4.4	4.4	7.0	5.0	23.8	21.7
10:00	-.24	8.2	7.3	5.7	6.4	6.0	31.4	30.8
11:00	-.18	8.0	8.0	7.1	9.1	8.1	21.9	25.7
12:00	-.31	9.6	11.4	12.8	11.0	13.4	21.7	20.9
13:00	-.35	11.2	11.7	11.7	12.3	11.9	22.1	21.7
14:00	-.39	6.6	8.0	7.6	7.9	8.6	27.4	30.1
15:00	-.02	11.0	12.4	14.7	12.8	15.5	19.1	19.2
16:00	-.28	11.2	19.5	25.6	12.1	13.8	18.0	15.1
17:00	-.01	12.1	9.2	8.9	9.8	9.9	16.7	14.1
18:00	-.05	6.6	7.3	8.0	7.0	8.5	18.1	12.9
19:00	-.02	2.3	4.6	4.4	2.5	4.0	10.9	5.1
20:00	.01	3.4	4.6	3.4	3.9	3.8	8.1	9.0
21:00	-.03	4.6	7.3	10.3	5.4	11.1	11.4	6.5
22:00	-.22	6.2	9.2	15.3	6.7	12.1	18.8	4.7
23:00	.04	6.2	9.4	14.4	6.5	12.5	17.5	7.3
Avg	-.10	5.6	6.6	7.6	5.9	7.1	15.6	12.8
Max	.04	12.1	19.5	25.6	12.8	15.5	31.4	30.8
Hr. of Max	23	17	16	16	15	15	10	10
Min	-.39	1.8	1.8	2.1	1.9	2.2	5.7	3.3
Count	24	24	24	24	24	24	24	24
Total								