Date Printed: 09/09/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/8/2015

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	20.2	21.1	21.5	22.0	.91	1.33	1.80	.43	.89
01:00	19.9	20.8	21.1	21.6	.84	1.21	1.70	.37	.85
02:00	19.5	20.4	20.7	21.5	.92	1.19	1.95	.27	1.03
03:00	19.1	20.0	20.4	21.1	.91	1.29	1.92	.37	1.01
04:00	18.8	19.8	20.1	20.5	1.06	1.31	1.72	.24	.66
05:00	18.4	19.6	19.8	20.2	1.20	1.41	1.77	.21	.56
06:00	18.5	19.5	19.5	19.7	.99	1.01	1.16	.02	.17
07:00	18.8	19.3	19.4	19.5	.57	.60	.73	.03	.16
08:00	20.7	20.4	20.2	20.2	-.27	-.45	-.47	-.18	-.20
09:00	23.2	22.4	22.2	22.1	-.86	-1.09	-1.18	-.23	-.32
10:00	25.8	24.7	24.4	24.3	-1.02	-1.30	-1.44	-.28	-.42
11:00	27.9	26.7	26.4	26.3	-1.15	-1.46	-1.58	-.30	-.43
12:00	29.4	27.8	27.4	27.2	-1.54	-1.95	-2.13	-.41	-.58
13:00	29.7	28.5	28.2	28.0	-1.20	-1.59	-1.74	-.39	-.54
14:00	30.4	29.2	28.8	28.6	-1.23	-1.59	-1.76	-.36	-.54
15:00	29.4	28.6	28.3	28.2	-.86	-1.15	-1.26	-.29	-.40
16:00	30.3	29.2	28.8	28.6	-1.15	-1.51	-1.72	-.36	-.57
17:00	30.2	29.5	29.2	29.1	-.71	-1.00	-1.12	-.29	-.41
18:00	29.7	29.3	29.0	28.9	-.40	-.65	-.72	-.26	-.33
19:00	26.4	27.2	27.9	28.2	.78	1.43	1.79	.66	1.02
20:00	24.5	25.6	25.9	26.7	1.12	1.48	2.28	.36	1.16
21:00	23.7	24.8	25.5	25.8	1.07	1.80	2.07	.73	1.00
22:00	22.4	23.6	24.6	25.3	1.18	2.17	2.89	.99	1.71
23:00	21.6	23.0	23.4	24.5	1.33	1.80	2.89	.47	1.55
Avg	24.1	24.2	24.3	24.5	.10	.18	.40	.08	.29
Max	30.4	29.5	29.2	29.1	1.33	2.17	2.89	.99	1.71
Hr. of Max	14	17	17	17	23	22	23	22	22
Min	18.4	19.3	19.4	19.5	-1.54	-1.95	-2.13	-.41	-.58
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/8/2015

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	18.4	19.7	19.0	26.8	91.6	94.1	15.7	16.9	0.01366
01:00	18.3	19.6	18.8	26.6	92.3	95.1	15.6	16.8	0.013544
02:00	17.9	19.4	18.5	26.5	92.7	95.8	15.3	16.6	0.013276
03:00	17.7	19.1	18.2	26.3	93.2	96.2	15.0	16.3	0.013036
04:00	17.3	18.9	17.8	26.1	93.0	96.7	14.7	16.2	0.012701
05:00	17.1	18.7	17.5	26.0	93.8	96.7	14.5	16.0	0.012532
06:00	17.3	18.5	17.7	25.8	94.6	95.8	14.7	15.8	0.012736
07:00	17.6	18.5	18.0	25.7	94.9	96.7	15.0	15.8	0.012971
08:00	18.6	18.6	19.3	25.5	90.1	91.4	15.9	15.9	0.013853
09:00	18.9	18.4	20.3	25.4	78.6	80.4	16.0	15.6	0.014111
10:00	18.8	18.3	21.1	25.4	67.4	69.2	15.9	15.4	0.014085
11:00	18.0	17.7	21.3	25.5	56.7	59.5	15.0	14.8	0.013414
12:00	17.9	17.7	21.7	25.7	51.6	55.4	14.9	14.7	0.01335
13:00	17.0	16.9	21.2	26.1	47.7	50.7	14.0	14.0	0.012603
14:00	16.8	16.7	21.3	26.5	45.4	48.4	13.8	13.8	0.012473
15:00	18.0	17.8	21.8	26.8	51.6	53.6	14.9	14.8	0.013429
16:00	17.1	16.8	21.5	27.0	46.3	48.4	14.1	13.8	0.012715
17:00	16.7	16.4	21.2	27.2	45.6	46.5	13.8	13.5	0.012425
18:00	17.2	16.9	21.4	27.3	48.5	48.7	14.2	14.0	0.012815
19:00	19.0	18.3	21.5	27.3	65.8	60.1	16.0	15.3	0.014319
20:00	19.3	19.3	21.0	27.3	74.9	69.9	16.4	16.3	0.014569
21:00	19.5	19.7	20.9	27.3	79.5	75.4	16.7	16.8	0.014772
22:00	19.4	19.7	20.4	27.2	84.8	80.7	16.5	16.8	0.014578
23:00	19.1	19.6	19.9	27.1	87.4	83.2	16.3	16.7	0.01431
Avg	18.0	18.4	20.1	26.4	73.7	74.5	15.2	15.5	0.013428
Max	19.5	19.7	21.8	27.3	94.9	96.7	16.7	16.9	0.014772
Hr. of Max	21	22	15	21	07	07	21	00	21
Min	16.7	16.4	17.5	25.4	45.4	46.5	13.8	13.5	0.012425
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/8/2015

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	0.014837	21.2	23.0	.00	29.16	987.5	-3.2	.00	294.9
01:00	0.014715	21.0	22.8	.00	29.16	987.4	-2.0	.00	325.5
02:00	0.01453	20.6	22.5	.00	29.15	987.3	-1.2	.00	278.6
03:00	0.014248	20.3	22.1	.00	29.16	987.4	-3.1	.00	242.3
04:00	0.014122	19.8	21.9	.00	29.16	987.5	-3.7	-.01	263.2
05:00	0.013927	19.5	21.6	.00	29.16	987.4	-3.7	-.01	42.1
06:00	0.013706	19.8	21.3	.00	29.16	987.6	-3.6	-.01	54.0
07:00	0.013701	20.2	21.3	.00	29.17	987.9	20.0	.03	35.4
08:00	0.013826	21.5	21.5	.00	29.18	988.1	197.4	.28	78.4
09:00	0.013712	21.9	21.3	.00	29.17	988.0	411.4	.59	101.9
10:00	0.013613	21.9	21.2	.00	29.17	988.0	598.5	.86	138.9
11:00	0.013144	20.9	20.4	.00	29.17	987.8	743.1	1.07	232.2
12:00	0.013104	20.7	20.4	.00	29.16	987.4	824.3	1.18	148.1
13:00	0.012511	19.6	19.5	.00	29.13	986.6	692.6	.99	57.6
14:00	0.012412	19.4	19.3	.00	29.11	985.7	608.8	.87	184.3
15:00	0.013258	20.8	20.6	.00	29.08	984.8	417.4	.60	177.4
16:00	0.01245	19.7	19.3	.00	29.05	983.8	589.0	.84	166.9
17:00	0.01216	19.3	18.9	.00	29.04	983.4	318.5	.46	181.1
18:00	0.01258	19.9	19.5	.00	29.04	983.6	205.9	.30	195.8
19:00	0.013675	22.1	21.2	.00	29.05	983.7	39.9	.06	279.0
20:00	0.014542	22.5	22.5	.00	29.05	983.9	-2.4	.00	291.6
21:00	0.014948	22.8	23.1	.00	29.06	984.2	-2.9	.00	300.1
22:00	0.014889	22.5	23.0	.00	29.07	984.5	-1.7	.00	289.9
23:00	0.014767	22.1	22.8	.00	29.07	984.5	-1.6	.00	323.7
Avg	0.013724	20.8	21.3	.00	29.12	986.2	234.9	.34	246.0
Max	0.014948	22.8	23.1	.00	29.18	988.1	824.3	1.18	325.5
Hr. of Max	21	21	21	23	08	08	12	12	01
Min	0.01216	19.3	18.9	.00	29.04	983.4	-3.7	-.01	35.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/8/2015

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	102.0	215.2	283.9	198.4	36.4	22.1	21.4	.5	.0
01:00	70.5	26.4	314.2	30.5	40.2	34.1	44.0	.2	.5
02:00	110.7	42.9	275.9	44.0	17.6	55.4	30.4	.5	.2
03:00	177.3	269.4	241.7	256.5	32.9	33.1	38.9	1.3	1.1
04:00	221.6	218.9	263.7	219.0	20.4	17.5	8.2	.8	1.8
05:00	86.2	125.0	52.8	117.2	39.4	25.3	21.8	.4	.4
06:00	67.9	61.4	57.4	57.7	22.8	9.0	9.3	.9	2.2
07:00	51.6	61.8	35.1	58.0	26.8	13.7	9.5	1.4	2.5
08:00	75.5	59.9	83.2	57.1	27.9	17.7	16.4	1.7	2.6
09:00	99.5	87.1	104.1	84.1	18.4	18.7	21.1	3.0	3.0
10:00	148.8	153.7	145.3	151.6	61.7	42.8	42.3	1.1	1.4
11:00	230.9	236.4	232.5	234.9	51.3	48.0	40.3	1.9	2.2
12:00	147.0	150.9	146.0	149.5	59.3	52.5	47.5	1.8	2.1
13:00	60.0	59.2	58.8	55.5	67.5	56.9	56.7	1.6	2.1
14:00	180.7	181.8	188.9	181.9	37.4	36.6	35.8	3.0	3.3
15:00	185.6	185.4	182.3	185.0	21.3	17.2	13.3	3.8	4.6
16:00	166.6	170.0	172.3	169.8	33.8	28.7	24.1	2.6	3.2
17:00	174.4	181.0	183.1	181.2	51.4	43.4	35.5	1.8	2.1
18:00	199.2	203.1	198.0	204.2	20.8	17.0	11.8	2.7	3.7
19:00	206.7	198.6	278.4	198.9	18.8	12.3	7.2	.8	1.7
20:00	211.2	189.9	291.5	190.5	18.6	15.5	7.6	.9	2.2
21:00	200.9	201.3	302.5	201.1	11.7	38.2	20.7	.9	.8
22:00	211.2	233.6	288.8	233.2	28.5	52.4	11.3	.6	.7
23:00	90.6	261.4	331.8	260.3	19.8	15.0	14.7	.3	.4
Avg	147.0	172.0	240.0	169.0	32.7	30.1	24.6	.0	.0
Max	230.9	269.4	331.8	260.3	67.5	56.9	56.7	3.8	4.6
Hr. of Max	11	03	23	23	13	13	13	15	15
Min	51.6	26.4	35.1	30.5	11.7	9.0	7.2	.2	.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/8/2015

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	.3	.5	.1	.3	.8	.6	2.0	-2.1	.03
01:00	.2	.2	.6	.3	.6	.7	3.1	-.4	.04
02:00	.6	.6	.4	.7	.9	1.0	.7	1.0	.02
03:00	.4	1.4	1.2	.9	1.7	1.2	1.2	-.3	.01
04:00	1.4	.9	1.9	1.4	1.2	1.7	.9	-.9	.02
05:00	.5	.5	1.3	1.3	.9	1.6	1.7	1.2	.03
06:00	2.9	1.0	2.2	3.0	1.3	3.2	2.1	1.4	.03
07:00	3.3	1.5	2.6	3.4	1.7	3.6	-2.1	.1	-.11
08:00	3.1	1.9	2.8	3.1	2.3	3.5	3.6	3.5	.10
09:00	2.7	3.2	3.1	2.9	3.6	3.3	-.3	-2.5	.02
10:00	1.4	1.9	1.7	1.9	2.4	2.5	3.7	-1.4	.18
11:00	2.4	2.4	2.6	2.8	3.1	3.5	-1.7	.6	-.18
12:00	2.3	3.1	3.2	3.4	3.7	4.0	1.3	5.4	.08
13:00	2.2	2.8	3.3	3.4	3.4	4.0	-1.0	-.1	-.06
14:00	3.8	3.6	4.0	4.5	4.1	5.1	3.5	1.9	.20
15:00	5.4	4.0	4.8	5.5	4.5	5.8	.3	-3.3	-.09
16:00	3.5	3.1	3.6	3.8	3.7	4.3	3.7	-1.7	.20
17:00	2.6	2.3	2.8	3.3	3.0	3.8	-.2	.2	-.03
18:00	4.5	2.8	3.8	4.6	3.3	4.9	2.6	.0	.06
19:00	2.9	1.0	1.8	2.9	1.2	3.1	3.1	-1.2	.05
20:00	4.7	1.0	2.3	4.7	1.1	4.9	.9	.7	.01
21:00	2.5	.9	.9	2.6	1.0	2.8	1.5	-2.1	.02
22:00	2.1	.6	.8	2.1	.9	2.4	.7	-.4	.02
23:00	1.5	.3	.4	1.6	.6	1.8	.7	.3	.00
Avg	.0	1.7	2.2	2.7	2.1	3.1	1.3	.0	.03
Max	5.4	4.0	4.8	5.5	4.5	5.8	3.7	5.4	.20
Hr. of Max	15	15	15	15	15	15	16	12	16
Min	.2	.2	.1	.3	.6	.6	-2.1	-3.3	-.18
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/8/2015

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	-.03	1.6	1.1	1.6	2.2	1.5	7.2	5.4
01:00	.00	1.6	1.8	1.8	1.5	1.5	8.9	6.6
02:00	.03	1.8	2.1	4.6	2.3	4.5	5.0	5.1
03:00	.00	3.2	3.7	5.5	3.7	3.1	8.1	7.6
04:00	-.03	2.3	2.7	2.7	2.6	3.0	6.9	3.7
05:00	.05	2.1	3.2	2.7	2.5	3.0	9.2	7.9
06:00	.07	3.0	4.1	5.0	3.3	5.5	11.2	4.0
07:00	-.01	3.7	4.8	6.9	4.1	5.5	12.6	4.6
08:00	.13	5.3	7.8	7.8	7.5	8.0	20.5	14.7
09:00	-.07	6.9	6.0	6.0	7.1	6.4	18.1	22.2
10:00	-.03	5.7	7.6	7.3	7.1	8.1	30.8	34.8
11:00	-.17	7.1	7.6	7.8	7.6	7.8	29.7	31.1
12:00	.43	7.8	8.2	9.2	9.4	9.8	27.7	29.7
13:00	.01	10.3	9.8	8.0	9.7	10.6	26.3	25.4
14:00	.15	8.2	8.9	10.1	8.9	10.1	24.2	26.3
15:00	-.40	9.2	9.2	14.2	10.3	9.7	18.0	13.5
16:00	-.21	8.0	11.7	9.8	8.4	9.6	23.6	26.3
17:00	-.08	8.0	8.0	9.4	9.6	10.3	23.8	24.5
18:00	-.11	7.1	8.7	8.0	7.7	8.4	18.3	9.7
19:00	-.07	3.0	9.2	9.6	3.7	5.7	9.3	3.9
20:00	.08	2.5	6.6	10.3	2.7	10.8	12.1	5.2
21:00	-.12	3.2	2.7	8.0	2.2	4.9	6.9	6.1
22:00	.00	2.1	2.5	4.4	1.9	5.3	8.2	6.0
23:00	.01	1.6	1.8	6.0	1.6	3.7	8.0	5.1
Avg	-.02	4.8	5.8	6.9	5.3	6.5	15.6	13.7
Max	.43	10.3	11.7	14.2	10.3	10.8	30.8	34.8
Hr. of Max	12	13	16	15	15	20	10	10
Min	-.40	1.6	1.1	1.6	1.5	1.5	5.0	3.7
Count	24	24	24	24	24	24	24	24
Total								