Date Printed: 09/08/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/7/2016

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	19.7	21.3	21.9	22.7	1.57	2.15	2.97	.58	1.40
01:00	19.4	20.8	21.0	22.0	1.48	1.67	2.67	.19	1.20
02:00	18.6	20.1	20.3	20.9	1.44	1.73	2.26	.29	.81
03:00	18.0	19.3	19.8	20.4	1.26	1.71	2.38	.45	1.12
04:00	17.8	19.1	19.4	20.3	1.25	1.61	2.42	.36	1.17
05:00	17.6	18.8	19.0	19.5	1.26	1.47	1.93	.21	.67
06:00	17.3	18.5	18.8	19.2	1.19	1.46	1.85	.28	.66
07:00	17.4	18.4	18.7	19.2	1.00	1.32	1.80	.33	.80
08:00	19.6	19.4	19.4	19.6	-.15	-.19	.06	-.04	.20
09:00	23.2	22.6	22.4	22.2	-.55	-.79	-.93	-.24	-.38
10:00	26.6	25.8	25.5	25.3	-.86	-1.16	-1.32	-.31	-.46
11:00	29.4	28.3	27.9	27.8	-1.15	-1.52	-1.65	-.37	-.50
12:00	31.5	30.1	29.7	29.6	-1.36	-1.70	-1.90	-.34	-.54
13:00	33.1	31.5	31.1	31.0	-1.57	-2.00	-2.13	-.42	-.56
14:00	33.7	32.3	31.9	31.8	-1.43	-1.81	-1.93	-.38	-.50
15:00	34.1	32.8	32.3	32.0	-1.35	-1.84	-2.10	-.50	-.76
16:00	34.5	33.2	32.8	32.6	-1.36	-1.71	-1.90	-.36	-.54
17:00	34.5	33.5	33.1	33.0	-1.00	-1.37	-1.51	-.37	-.51
18:00	32.9	32.7	32.5	32.4	-.21	-.46	-.52	-.25	-.31
19:00	28.7	30.4	31.3	31.5	1.68	2.55	2.79	.87	1.11
20:00	26.1	28.0	28.8	29.2	1.85	2.66	3.05	.81	1.20
21:00	24.4	26.1	27.1	28.1	1.76	2.69	3.69	.93	1.93
22:00	23.1	24.9	25.5	28.0	1.79	2.44	4.92	.64	3.13
23:00	22.0	23.5	24.3	25.1	1.54	2.30	3.09	.76	1.55
Avg	25.1	25.5	25.6	26.0	.34	.47	.83	.13	.50
Max	34.5	33.5	33.1	33.0	1.85	2.69	4.92	.93	3.13
Hr. of Max	17	17	17	17	20	21	22	21	22
Min	17.3	18.4	18.7	19.2	-1.57	-2.00	-2.13	-.50	-.76
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/7/2016

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	16.3	16.8	17.4	27.2	82.3	77.5	13.8	14.2	0.011887
01:00	16.4	16.9	17.4	27.0	84.4	79.6	13.8	14.2	0.011945
02:00	16.2	16.8	17.0	26.7	87.6	83.5	13.7	14.2	0.01181
03:00	16.0	17.0	16.7	26.5	89.4	88.1	13.5	14.4	0.011641
04:00	16.0	17.0	16.6	26.2	91.0	89.5	13.6	14.4	0.011692
05:00	15.9	17.1	16.4	26.0	91.4	91.5	13.5	14.5	0.011542
06:00	15.8	17.2	16.3	25.7	92.3	93.9	13.4	14.6	0.011481
07:00	15.7	17.3	16.3	25.5	91.6	95.2	13.4	14.7	0.011431
08:00	16.8	16.5	17.7	25.3	85.7	84.9	14.2	13.9	0.012247
09:00	17.9	17.2	19.7	25.2	74.3	73.1	15.1	14.4	0.013198
10:00	16.2	15.6	19.7	25.1	54.5	55.0	13.5	13.0	0.011896
11:00	15.4	15.1	20.1	25.2	43.9	45.9	12.7	12.5	0.011312
12:00	14.5	14.3	20.1	25.5	36.9	39.3	11.9	11.8	0.010692
13:00	13.8	13.7	20.2	26.1	32.2	35.0	11.4	11.4	0.010246
14:00	13.0	13.1	19.9	26.7	29.5	32.1	10.8	10.9	0.009748
15:00	12.5	12.6	19.7	27.3	28.0	30.4	10.5	10.6	0.009487
16:00	11.7	11.4	19.3	27.8	26.1	27.4	10.0	9.8	0.009018
17:00	11.3	11.0	19.0	28.2	25.4	26.3	9.7	9.5	0.008759
18:00	13.5	12.8	19.9	28.4	32.0	30.8	11.2	10.7	0.010087
19:00	16.4	15.0	20.5	28.5	48.9	40.6	13.5	12.3	0.012107
20:00	16.8	16.1	19.9	28.5	58.0	49.7	14.0	13.3	0.012387
21:00	16.8	16.5	19.3	28.3	64.0	56.7	14.0	13.7	0.012322
22:00	17.0	16.9	19.0	28.1	70.1	62.5	14.2	14.1	0.012492
23:00	17.3	17.4	18.9	27.9	76.6	70.3	14.6	14.6	0.012753
Avg	15.4	15.5	18.6	26.8	62.3	60.8	12.9	13.0	0.011341
Max	17.9	17.4	20.5	28.5	92.3	95.2	15.1	14.7	0.013198
Hr. of Max	09	23	19	20	06	07	09	07	09
Min	11.3	11.0	16.3	25.1	25.4	26.3	9.7	9.5	0.008759
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/7/2016

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	0.012331	18.6	19.3	.00	29.27	991.2	-1.7	.00	346.2
01:00	0.012332	18.7	19.3	.00	29.27	991.2	-1.9	.00	46.9
02:00	0.012326	18.5	19.3	.00	29.26	991.0	-2.9	.00	333.0
03:00	0.01241	18.2	19.4	.00	29.26	990.9	-2.3	.00	345.7
04:00	0.012427	18.3	19.4	.00	29.26	991.0	-1.9	.00	.5
05:00	0.012497	18.1	19.5	.00	29.27	991.2	-2.1	.00	33.8
06:00	0.01259	18.0	19.7	.00	29.28	991.6	-1.6	.00	337.1
07:00	0.012646	17.9	19.8	.00	29.30	992.3	28.5	.04	333.6
08:00	0.012011	19.2	18.8	.00	29.32	992.8	191.9	.28	183.2
09:00	0.012566	20.6	19.7	.00	29.32	993.0	408.8	.59	125.3
10:00	0.01141	18.6	17.9	.00	29.33	993.2	603.8	.87	187.4
11:00	0.011076	17.7	17.4	.00	29.32	993.0	758.2	1.09	184.4
12:00	0.010525	16.8	16.5	.00	29.30	992.4	854.5	1.22	198.6
13:00	0.010204	16.1	16.0	.00	29.28	991.6	909.3	1.30	224.3
14:00	0.009783	15.3	15.3	.00	29.25	990.6	926.7	1.33	209.9
15:00	0.009527	14.9	14.9	.00	29.22	989.5	835.3	1.20	42.4
16:00	0.008796	14.1	13.8	.00	29.20	988.8	704.9	1.01	182.0
17:00	0.008571	13.7	13.4	.00	29.19	988.5	422.5	.61	241.0
18:00	0.009635	15.8	15.1	.00	29.19	988.4	196.0	.28	307.4
19:00	0.011069	18.9	17.3	.00	29.19	988.4	34.4	.05	326.9
20:00	0.011839	19.3	18.5	.00	29.19	988.5	-1.4	.00	315.4
21:00	0.012119	19.2	18.9	.00	29.20	988.8	-1.6	.00	293.2
22:00	0.012406	19.5	19.3	.00	29.20	989.0	-2.8	.00	38.7
23:00	0.012849	19.9	20.0	.00	29.20	988.9	-1.6	.00	347.7
Avg	0.011414	17.7	17.9	.00	29.25	990.7	285.5	.41	317.0
Max	0.012849	20.6	20.0	.00	29.33	993.2	926.7	1.33	347.7
Hr. of Max	23	09	23	23	10	10	14	14	23
Min	0.008571	13.7	13.4	.00	29.19	988.4	-2.9	.00	.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/7/2016

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	62.2	87.3	343.3	54.0	53.0	7.8	18.5	.4	.8
01:00	66.9	47.3	51.6	31.4	13.6	5.7	8.1	.9	1.9
02:00	89.8	75.5	329.0	63.5	21.2	13.5	5.0	.2	.9
03:00	54.9	70.1	347.1	48.1	32.9	16.0	11.7	.2	.5
04:00	73.5	53.6	354.8	37.8	42.4	12.1	7.8	.6	1.6
05:00	77.6	66.8	30.8	55.1	40.6	12.2	5.7	.5	1.8
06:00	51.1	62.1	321.9	47.6	47.4	14.5	6.8	.4	.8
07:00	53.7	38.2	314.6	18.4	36.6	17.4	9.2	.2	.8
08:00	109.4	67.6	196.9	43.3	41.5	34.0	12.6	.3	.4
09:00	130.6	111.4	135.4	100.7	34.3	49.7	38.9	1.0	.7
10:00	199.8	194.1	194.3	193.3	54.1	45.7	38.9	1.2	1.4
11:00	197.4	196.5	197.6	191.3	67.2	56.3	50.8	1.2	1.5
12:00	208.2	200.5	204.7	199.8	55.3	48.4	48.3	2.1	2.4
13:00	233.2	233.1	224.5	227.0	48.9	44.6	40.8	2.9	3.4
14:00	212.7	211.3	212.4	203.8	52.5	43.9	43.4	2.2	2.9
15:00	26.5	30.5	45.2 +	12.4	51.2	39.2	29.8	.3	.9
16:00	174.9	146.3	191.2	139.5	69.6	70.2	67.8	1.0	.7
17:00	256.1	258.4	244.2	252.2	47.6	45.3	45.6	2.5	3.0
18:00	307.8	304.2	304.3	293.1	41.9	34.2	29.2	1.7	2.4
19:00	10.2	14.5	324.6	359.5	10.4	16.5	16.7	1.0	2.3
20:00	54.0	76.5	310.2	61.6	7.4	10.1	9.4	.5	1.3
21:00	29.4	.3	286.4	331.9	39.5	71.2	41.5	.4	.7
22:00	66.6	338.8	286.1	323.5	70.9	23.4	11.1	.1	.8
23:00	147.8	158.5	316.5	162.2	40.9	26.1	36.3	.3	.2
Avg	88.0	75.0	292.0	46.0	42.5	31.6	26.4	.0	.0
Max	307.8	338.8	354.8	359.5	70.9	71.2	67.8	2.9	3.4
Hr. of Max	18	22	04	19	22	21	16	13	13
Min	10.2	.3	30.8	12.4	7.4	5.7	5.0	.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)

9/7/2016

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	.8	.3	.8	.6	1.2	-.3	.02
01:00	2.5	1.0	1.9	2.6	1.1	2.8	3.7	1.3	.07
02:00	2.5	.7	.9	2.6	.9	2.7	.1	.9	.00
03:00	.6	.3	.5	.6	.5	.9	1.8	-.2	.02
04:00	2.0	1.2	1.7	2.1	1.4	2.3	1.2	1.0	.02
05:00	2.8	.7	1.9	2.9	.9	3.1	1.9	1.9	.03
06:00	1.9	.6	.9	2.0	.8	2.2	.5	.3	.01
07:00	1.5	.7	.8	1.6	1.0	1.8	1.9	2.4	.02
08:00	.8	.7	.5	.9	1.1	1.3	2.4	-.2	.07
09:00	.7	1.2	1.0	1.2	1.8	1.7	3.0	1.3	.15
10:00	1.5	1.8	1.8	1.8	2.4	2.4	-3.0	-10.8	-.10
11:00	1.8	2.2	2.2	2.3	2.9	3.0	4.0	1.6	.22
12:00	2.6	3.4	3.5	3.4	4.1	4.1	-.7	-4.3	-.02
13:00	3.9	4.0	4.6	5.0	4.7	5.8	3.9	1.8	.15
14:00	3.4	3.6	3.9	4.1	4.2	4.9	-.4	3.2	-.10
15:00	1.3	3.8	4.5	5.0	4.5	5.7	-2.4	-2.3	-.31
16:00	.5	3.0	3.1	3.3	3.6	3.9	-2.1	3.1	-.20
17:00	3.3	3.3	3.8	4.1	3.8	4.7	-1.0	5.0	-.21
18:00	2.9	2.3	3.0	3.6	2.6	3.9	-1.0	.0	-.15
19:00	2.8	1.0	2.4	3.1	1.3	3.3	-.5	1.5	-.04
20:00	1.1	.5	1.3	1.1	.6	1.4	1.5	.3	.02
21:00	1.5	.6	.8	1.6	.9	1.9	1.0	4.2	.01
22:00	3.9	.1	.9	4.0	.4	4.2	3.1	4.2	.03
23:00	.7	1.0	1.3	.9	1.2	1.2	1.8	-.3	.03
Avg	.0	1.6	2.0	2.5	2.0	2.9	.9	.7	-.01
Max	3.9	4.0	4.6	5.0	4.7	5.8	4.0	5.0	.22
Hr. of Max	22	13	13	15	13	13	11	17	11
Min	.3	.1	.5	.3	.4	.6	-3.0	-10.8	-.31
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

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Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	86_SonicTemp_015m	87_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	.00	1.8	2.7	1.8	8.2	5.4	22.4	23.6
01:00	.06	2.3	3.7	3.9	7.5	3.4	22.0	23.0
02:00	.06	3.0	5.0	7.6	6.2	3.0	21.2	21.8
03:00	.00	1.1	1.6	3.0	6.2	3.5	20.5	21.4
04:00	.05	3.2	3.2	4.1	7.9	3.7	20.2	21.3
05:00	.11	2.1	3.7	5.3	8.6	3.4	20.0	20.5
06:00	.02	2.1	3.7	6.2	9.6	4.7	19.7	20.2
07:00	.09	2.1	2.1	3.4	6.6	4.9	19.6	20.2
08:00	-.01	2.3	3.0	5.3	19.8	13.1	20.7	20.7
09:00	.10	3.7	4.4	3.9	30.1	30.5	24.0	23.3
10:00	-.53	5.0	6.0	6.4	30.0	33.8	26.7	25.9
11:00	.05	7.1	6.9	7.8	28.7	37.2	29.0	28.2
12:00	-.21	9.6	10.5	10.8	26.3	31.4	30.7	29.8
13:00	.05	11.2	12.6	13.5	25.4	27.6	32.0	30.9
14:00	.21	10.3	11.4	13.3	26.4	28.1	32.7	31.7
15:00	-.33	11.0	12.1	15.6	23.7	25.5	33.2	32.0
16:00	.14	10.5	11.4	11.2	24.7	30.3	33.4	32.6
17:00	.22	9.4	9.6	10.3	24.6	25.8	33.7	32.9
18:00	-.10	7.6	8.9	10.1	20.3	17.7	33.3	32.5
19:00	.09	3.4	6.0	6.6	7.3	5.1	31.0	31.8
20:00	.01	1.1	3.7	3.7	7.7	3.8	28.8	29.9
21:00	.20	2.3	3.2	5.5	9.2	13.4	27.1	28.7
22:00	.30	1.4	2.5	8.0	9.3	6.3	25.9	28.8
23:00	.00	2.7	2.7	5.7	6.2	7.7	24.6	26.0
Avg	.02	4.8	5.9	7.2	15.9	15.4	26.4	26.6
Max	.30	11.2	12.6	15.6	30.1	37.2	33.7	32.9
Hr. of Max	22	13	13	15	09	11	17	17
Min	-.53	1.1	1.6	1.8	6.2	3.0	19.6	20.2
Count	24	24	24	24	24	24	24	24
Total								