Date Printed: 11/11/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

11/10/2016

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	4.6	6.4	7.5	8.2	1.80	2.95	3.65	1.15	1.85
01:00	3.1	5.6	6.4	7.1	2.51	3.31	4.04	.80	1.53
02:00	2.4	4.6	5.3	6.2	2.23	2.93	3.83	.70	1.59
03:00	1.5	3.7	4.6	5.9	2.14	3.04	4.35	.90	2.21
04:00	1.8	3.4	4.2	5.7	1.57	2.39	3.92	.83	2.36
05:00	2.1	3.6	4.3	5.4	1.54	2.24	3.29	.70	1.75
06:00	1.8	3.7	4.3	4.8	1.90	2.54	2.97	.64	1.07
07:00	2.2	4.0	4.2	4.5	1.87	2.06	2.32	.19	.45
08:00	5.6	5.6	5.6	5.7	-.02	.04	.15	.06	.16
09:00	9.1	8.5	8.1	7.9	-.56	-.95	-1.22	-.39	-.66
10:00	11.7	10.9	10.3	10.0	-.78	-1.32	-1.66	-.54	-.88
11:00	13.9	12.9	12.4	12.0	-.97	-1.52	-1.90	-.55	-.93
12:00	15.1	14.2	13.7	13.5	-.89	-1.32	-1.55	-.44	-.67
13:00	16.3	15.5	15.2	14.9	-.81	-1.18	-1.40	-.37	-.59
14:00	17.4	16.6	16.4	16.2	-.73	-1.00	-1.16	-.27	-.44
15:00	18.1	17.4	17.1	17.0	-.73	-1.01	-1.13	-.29	-.40
16:00	17.7	17.5	17.4	17.2	-.18	-.34	-.51	-.16	-.33
17:00	13.8	15.6	16.4	16.6	1.77	2.55	2.76	.77	.99
18:00	10.3	13.1	13.8	14.7	2.79	3.53	4.42	.74	1.63
19:00	7.9	10.9	11.8	13.0	3.02	3.93	5.14	.91	2.11
20:00	6.1	9.1	10.4	11.6	3.01	4.34	5.49	1.33	2.48
21:00	4.7	7.7	9.3	10.7	2.95	4.59	5.93	1.63	2.97
22:00	3.9	6.8	8.1	10.0	2.90	4.20	6.11	1.30	3.21
23:00	2.6	5.4	7.1	9.3	2.88	4.55	6.75	1.67	3.87
Avg	8.1	9.3	9.7	10.3	1.22	1.69	2.27	.47	1.06
Max	18.1	17.5	17.4	17.2	3.02	4.59	6.75	1.67	3.87
Hr. of Max	15	16	16	16	19	21	23	23	23
Min	1.5	3.4	4.2	4.5	-.97	-1.52	-1.90	-.55	-.93
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/10/2016

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	1.1	1.4	2.3	15.3	78.9	71.0	5.2	5.2	0.004184
01:00	.5	1.5	1.4	15.1	83.7	75.4	5.0	5.3	0.003996
02:00	.4	1.4	1.1	14.9	87.1	80.4	4.9	5.3	0.003962
03:00	-.2	1.3	.4	14.7	88.8	85.3	4.7	5.3	0.003788
04:00	.2	1.2	.8	14.5	89.9	86.4	4.9	5.2	0.003915
05:00	.8	1.7	1.2	14.2	91.6	87.5	5.1	5.4	0.004074
06:00	.4	1.9	.9	14.0	91.1	88.9	5.0	5.5	0.003963
07:00	.8	1.9	1.3	13.8	91.6	86.5	5.1	5.5	0.004095
08:00	2.7	2.1	3.7	13.6	82.4	79.1	5.8	5.5	0.004685
09:00	2.7	2.4	4.8	13.5	65.3	66.1	5.7	5.6	0.004703
10:00	1.7	1.4	5.0	13.5	51.0	52.8	5.3	5.2	0.004376
11:00	.4	.0	4.9	13.5	40.5	41.9	4.8	4.7	0.004021
12:00	-.7	-1.0	4.5	13.6	34.6	35.9	4.4	4.4	0.003711
13:00	-1.8	-2.0	4.3	13.8	29.5	30.6	4.1	4.0	0.003447
14:00	-2.0	-2.5	4.5	14.0	27.2	27.5	4.0	3.9	0.003397
15:00	-1.8	-2.3	4.8	14.3	26.3	26.6	4.1	3.9	0.003446
16:00	-1.3	-1.9	5.0	14.5	28.1	27.2	4.2	4.1	0.003576
17:00	-.2	-.9	4.5	14.7	39.0	33.2	4.6	4.4	0.003854
18:00	.2	-.1	3.5	14.8	50.2	41.1	4.8	4.6	0.003942
19:00	.0	.1	2.6	14.9	58.1	47.8	4.7	4.7	0.003887
20:00	.0	.1	2.0	14.8	65.4	53.9	4.7	4.8	0.003867
21:00	-.2	.1	1.4	14.7	70.6	59.4	4.7	4.8	0.003799
22:00	-.3	.4	1.1	14.6	74.7	64.3	4.7	4.9	0.003782
23:00	-.7	.3	.4	14.4	79.4	70.0	4.6	4.9	0.003669
Avg	.1	.4	2.8	14.3	63.5	59.1	4.8	4.9	0.003922
Max	2.7	2.4	5.0	15.3	91.6	88.9	5.8	5.6	0.004703
Hr. of Max	09	09	16	00	07	06	08	09	09
Min	-2.0	-2.5	.4	13.5	26.3	26.6	4.0	3.9	0.003397
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/10/2016

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	0.004264	6.6	6.8	.00	29.37	994.5	-2.4	.00	63.1
01:00	0.004292	6.3	6.8	.00	29.36	994.3	-2.5	.00	333.9
02:00	0.004278	6.3	6.8	.00	29.37	994.5	-2.5	.00	93.6
03:00	0.00424	6.0	6.7	.00	29.37	994.5	-2.5	.00	258.7
04:00	0.004207	6.2	6.7	.00	29.37	994.6	-2.3	.00	63.1
05:00	0.00434	6.5	6.9	.00	29.37	994.6	-2.3	.00	51.3
06:00	0.00443	6.3	7.0	.00	29.36	994.4	-2.3	.00	96.6
07:00	0.004411	6.5	7.0	.00	29.37	994.7	39.9	.06	48.6
08:00	0.004492	7.4	7.1	.00	29.38	995.0	217.8	.31	85.9
09:00	0.004582	7.5	7.3	.00	29.38	995.0	392.9	.56	76.9
10:00	0.004296	6.9	6.8	.00	29.37	994.5	545.5	.78	72.8
11:00	0.003904	6.4	6.2	.00	29.34	993.7	626.9	.90	78.5
12:00	0.003639	5.9	5.8	.00	29.32	992.8	654.5	.94	94.4
13:00	0.003387	5.5	5.4	.00	29.29	991.8	572.0	.82	118.9
14:00	0.003274	5.4	5.2	.00	29.27	991.1	505.1	.72	134.4
15:00	0.003323	5.5	5.3	.00	29.25	990.6	370.5	.53	193.3
16:00	0.003432	5.7	5.4	.00	29.24	990.3	181.1	.26	151.4
17:00	0.003683	6.1	5.8	.00	29.24	990.1	14.6	.02	.4
18:00	0.003881	6.2	6.1	.00	29.25	990.5	-1.5	.00	77.9
19:00	0.003917	6.2	6.2	.00	29.26	990.8	-2.3	.00	128.5
20:00	0.003915	6.1	6.2	.00	29.25	990.7	-2.3	.00	143.5
21:00	0.003918	6.0	6.2	.00	29.27	991.1	-2.4	.00	212.2
22:00	0.003985	6.0	6.3	.00	29.25	990.7	-2.5	.00	96.8
23:00	0.003956	5.8	6.3	.00	29.24	990.2	-2.4	.00	170.8
Avg	0.004002	6.2	6.3	.00	29.31	992.7	170.4	.25	97.0
Max	0.004582	7.5	7.3	.00	29.38	995.0	654.5	.94	333.9
Hr. of Max	09	09	09	23	09	09	12	12	01
Min	0.003274	5.4	5.2	.00	29.24	990.1	-2.5	.00	.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/10/2016

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	35.3	27.4	46.0	14.6	30.0	34.8	6.8	.9	3.2
01:00	22.0	70.0	286.9	60.7	42.8	37.9	28.9	.5	.2
02:00	71.4	27.8	87.0 +	17.6	53.3	33.9	35.2	.3	.9
03:00	1.7	241.5	267.0	264.7	32.9	24.9	48.1	.5	.5
04:00	66.7	30.5	47.4	17.5	16.3	7.1	20.6	1.2	2.9
05:00	43.7	66.4	41.9	57.2	17.4	5.4	7.7	2.2	4.1
06:00	89.1	78.8	100.8	69.1	38.4	41.2	19.5	.6	3.5
07:00	43.3	62.8	16.2	53.4	21.2	39.3	19.6	1.1	2.0
08:00	63.7	63.3	81.6	54.5	18.6	16.4	9.8	2.0	3.3
09:00	73.5	69.5	73.0	60.4	23.2	19.0	14.4	4.4	6.1
10:00	64.7	60.8	67.9	52.3	29.2	22.7	17.2	5.0	7.1
11:00	72.6	68.9	73.3	59.8	25.0	19.7	13.9	6.3	8.1
12:00	89.1	84.6	91.1	75.6	26.0	24.4	22.0	5.0	5.7
13:00	120.9	105.3	126.3	95.0	45.8	60.9	51.1	2.1	2.3
14:00	138.4	123.1	140.4 +	114.0	48.1	51.4	45.1	1.5	1.5
15:00	213.9	219.5	205.4	216.3	53.4	48.6	44.2	1.9	1.8
16:00	182.7	172.4	181.4	163.3	39.0	35.1	36.8	1.1	1.2
17:00	200.2	168.1	292.8	175.7	61.9	56.3	20.7	.5	.1
18:00	53.5	203.2	138.0	214.9	27.9	34.4	7.1	.1	.4
19:00	248.2	231.1	245.4	227.4	44.7	45.7	8.8	.2	.4
20:00	243.8	228.5	239.8	224.3	40.6	13.0	8.0	.5	1.5
21:00	237.5	236.5	232.3	232.0	46.8	8.1	6.4	1.4	2.6
22:00	37.2	199.8	71.7	209.9	29.7	54.2	43.9	.3	.4
23:00	256.8	227.2	221.5	225.7	25.9	28.4	36.4	1.0	1.7
Avg	75.0	111.0	103.0	95.0	34.9	31.8	23.8	.0	.0
Max	256.8	241.5	292.8	264.7	61.9	60.9	51.1	6.3	8.1
Hr. of Max	23	03	17	03	17	13	13	11	11
Min	1.7	27.4	16.2	14.6	16.3	5.4	6.4	.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)

11/10/2016

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	5.6	1.4	3.6	5.7	1.8	5.9	.9	2.0	.03
01:00	1.7	1.4	.8	2.1	1.7	2.4	2.0	-1.1	.04
02:00	2.3	.8	1.4	2.5	1.2	2.8	3.5	2.0	.07
03:00	.1	.7	1.2	.8	1.0	1.2	1.5	-1.8	.03
04:00	2.9	1.4	3.0	3.1	1.5	3.4	.6	1.9	.01
05:00	5.6	2.3	4.2	5.8	2.3	6.0	-1.6	-.8	-.11
06:00	5.7	1.6	4.2	6.4	2.0	6.7	-.9	1.1	-.02
07:00	3.4	1.4	2.1	3.5	1.6	3.8	.0	-1.1	-.02
08:00	5.7	2.1	3.4	5.8	2.5	6.1	2.7	.9	.09
09:00	7.7	4.8	6.4	7.9	5.2	8.4	2.0	1.9	.07
10:00	8.7	5.5	7.6	9.1	6.3	9.6	4.0	4.1	.25
11:00	9.7	6.8	8.6	10.0	7.5	10.5	.6	.0	-.13
12:00	6.2	5.5	6.2	6.7	6.1	7.3	1.6	2.4	.04
13:00	2.4	2.8	3.1	3.2	3.4	3.9	2.6	-2.8	.15
14:00	1.5	2.6	2.5	2.6	3.2	3.2	-.9	-.1	-.06
15:00	2.0	2.7	2.7	2.8	3.2	3.4	1.4	.4	.07
16:00	1.2	1.3	1.4	1.6	1.8	2.0	3.7	8.8	.11
17:00	.2	.7	.3	.2	1.0	.6	.4	-.4	.01
18:00	.3	.1	.4	.3	.6	.7	2.5	-.3	.03
19:00	1.7	.2	.5	1.8	.8	2.0	2.9	.2	.04
20:00	2.7	.5	1.5	2.8	1.1	3.0	2.2	.0	.04
21:00	4.6	1.4	2.6	4.7	1.9	5.0	1.9	.0	.04
22:00	.2	.6	.8	1.3	1.0	1.6	2.6	-.7	.04
23:00	1.6	1.2	2.0	2.3	1.8	2.6	2.6	.4	.04
Avg	.0	2.1	2.9	3.9	2.5	4.3	1.6	.7	.04
Max	9.7	6.8	8.6	10.0	7.5	10.5	4.0	8.8	.25
Hr. of Max	11	11	11	11	11	11	10	16	10
Min	.1	.1	.3	.2	.6	.6	-1.6	-2.8	-.13
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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11/10/2016

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	.20	5.0	9.2	11.9	9.6	5.3	6.5	8.2
01:00	-.02	3.0	3.2	5.0	8.0	12.2	5.8	7.1
02:00	.12	3.0	3.4	6.9	9.4	13.4	4.8	6.2
03:00	-.03	2.3	3.9	2.3	7.0	17.3	3.8	5.9
04:00	.14	3.2	4.8	6.4	7.4	6.9	3.6	5.8
05:00	-.11	5.0	8.2	10.8	6.4	2.5	3.8	5.4
06:00	.12	6.0	13.1	21.3	15.6	8.2	3.9	4.7
07:00	-.14	4.8	6.0	7.8	12.5	13.1	4.3	4.5
08:00	.02	7.8	9.4	13.1	18.5	9.8	5.9	5.8
09:00	.07	12.4	14.2	16.9	19.2	14.3	8.9	7.9
10:00	.50	13.7	19.2	21.1	21.1	13.9	11.2	9.9
11:00	-.15	14.9	17.2	19.0	17.5	11.6	13.1	11.8
12:00	.31	12.4	12.4	22.2	18.1	18.4	14.3	13.3
13:00	-.12	9.6	12.1	14.7	28.4	29.6	15.5	14.6
14:00	-.20	8.7	9.2	8.5	27.0	31.6	16.6	15.9
15:00	.07	6.6	7.1	7.3	20.2	27.5	17.3	16.7
16:00	.34	7.8	7.6	5.7	21.4	28.6	17.6	17.0
17:00	-.02	2.5	1.8	1.8	9.7	16.4	15.7	16.3
18:00	.00	1.4	1.6	1.6	8.4	6.7	13.1	14.6
19:00	.01	1.8	1.8	2.5	7.1	3.0	11.0	13.1
20:00	.00	3.7	3.9	5.0	6.7	2.8	9.2	11.7
21:00	.00	3.4	5.5	8.7	6.1	2.6	7.8	10.8
22:00	.00	3.9	3.9	4.6	10.0	11.4	6.9	10.0
23:00	.00	6.0	6.9	7.1	8.5	7.5	5.6	9.5
Avg	.05	6.2	7.7	9.7	13.5	13.1	9.4	10.3
Max	.50	14.9	19.2	22.2	28.4	31.6	17.6	17.0
Hr. of Max	10	11	10	12	13	14	16	16
Min	-.20	1.4	1.6	1.6	6.1	2.5	3.6	4.5
Count	24	24	24	24	24	24	24	24
Total								