Date Printed: 10/03/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

10/2/2016

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	12.9	14.2	14.9	15.6	1.31	2.01	2.67	.70	1.36
01:00	12.7	13.9	14.5	15.5	1.14	1.77	2.80	.63	1.66
02:00	12.6	13.6	14.0	14.7	1.07	1.48	2.10	.42	1.04
03:00	12.6	13.5	13.9	14.5	.83	1.27	1.83	.44	.99
04:00	12.6	13.5	14.0	14.4	.87	1.34	1.77	.47	.90
05:00	12.8	13.5	13.8	14.1	.75	1.00	1.37	.25	.62
06:00	12.8	13.8	14.2	14.4	.95	1.31	1.54	.35	.59
07:00	12.4	13.4	13.9	14.2	.99	1.41	1.75	.42	.76
08:00	13.1	13.5	13.6	14.0	.41	.56	.88	.15	.48
09:00	16.0	15.6	15.4	15.4	-.38	-.64	-.63	-.26	-.26
10:00	17.9	17.4	17.2	17.1	-.49	-.72	-.79	-.23	-.30
11:00	19.5	18.9	18.6	18.5	-.57	-.83	-.95	-.26	-.38
12:00	21.4	20.6	20.2	20.1	-.84	-1.18	-1.30	-.34	-.46
13:00	23.2	22.2	21.8	21.5	-1.01	-1.43	-1.67	-.43	-.66
14:00	23.6	22.9	22.5	22.4	-.77	-1.10	-1.24	-.32	-.47
15:00	24.1	23.4	23.1	22.9	-.73	-1.08	-1.25	-.35	-.52
16:00	24.1	23.4	23.2	23.1	-.72	-.94	-1.06	-.22	-.34
17:00	23.7	23.2	23.0	22.9	-.46	-.70	-.78	-.23	-.32
18:00	22.5	22.6	22.4	22.5	.07	-.04	-.02	-.11	-.10
19:00	19.8	20.8	21.5	21.9	1.06	1.74	2.08	.68	1.02
20:00	17.5	19.0	19.6	20.3	1.50	2.14	2.78	.64	1.28
21:00	16.2	17.8	18.4	19.3	1.67	2.23	3.11	.56	1.43
22:00	15.1	16.7	17.2	18.1	1.57	2.13	3.03	.56	1.46
23:00	14.1	15.6	16.2	17.1	1.51	2.13	3.02	.63	1.51
Avg	17.2	17.6	17.8	18.1	.41	.58	.88	.17	.47
Max	24.1	23.4	23.2	23.1	1.67	2.23	3.11	.70	1.66
Hr. of Max	16	16	16	16	21	21	21	00	01
Min	12.4	13.4	13.6	14.0	-1.01	-1.43	-1.67	-.43	-.66
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/2/2016

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	11.2	12.2	11.8	21.2	90.8	89.3	10.1	10.8	0.008519
01:00	11.2	12.2	11.7	21.0	91.5	91.1	10.1	10.8	0.008493
02:00	11.2	12.3	11.6	20.8	92.4	93.0	10.1	10.8	0.008483
03:00	11.3	12.2	11.7	20.7	92.7	93.7	10.2	10.8	0.008552
04:00	11.3	12.2	11.7	20.5	92.9	93.3	10.2	10.8	0.008569
05:00	11.5	12.3	11.9	20.4	93.3	94.0	10.3	10.9	0.008688
06:00	11.6	12.8	12.0	20.2	93.3	94.9	10.3	11.2	0.008719
07:00	11.3	12.6	11.7	20.1	93.9	96.3	10.2	11.1	0.008547
08:00	11.7	12.5	12.2	20.0	93.0	95.5	10.5	11.0	0.008826
09:00	12.9	12.2	13.9	19.9	83.3	81.7	11.2	10.7	0.009535
10:00	12.6	12.2	14.3	19.9	72.2	72.6	10.9	10.6	0.009333
11:00	12.2	11.8	14.6	20.0	64.0	64.6	10.6	10.3	0.009122
12:00	12.0	11.6	15.1	20.2	55.9	57.4	10.4	10.1	0.008999
13:00	11.4	11.2	15.3	20.4	48.4	50.9	10.0	9.9	0.008698
14:00	10.4	10.3	14.8	20.9	44.3	46.1	9.3	9.3	0.008172
15:00	10.2	10.0	14.8	21.2	42.3	43.6	9.2	9.1	0.00805
16:00	10.4	10.0	15.0	21.5	42.9	43.7	9.3	9.1	0.008149
17:00	10.9	10.7	15.2	21.7	45.6	46.1	9.6	9.5	0.008435
18:00	12.2	11.4	15.7	21.8	53.5	50.5	10.5	10.0	0.0092
19:00	12.9	12.4	15.2	21.9	65.8	59.9	11.0	10.7	0.009557
20:00	12.8	13.0	14.4	21.9	75.3	69.7	11.1	11.2	0.009494
21:00	12.8	13.3	13.9	21.8	81.5	75.9	11.1	11.4	0.009452
22:00	12.6	13.3	13.4	21.7	86.2	81.9	11.0	11.5	0.009344
23:00	12.1	13.2	12.8	21.5	89.5	87.0	10.7	11.4	0.009072
Avg	11.7	12.0	13.5	20.9	74.4	73.9	10.3	10.5	0.008834
Max	12.9	13.3	15.7	21.9	93.9	96.3	11.2	11.5	0.009557
Hr. of Max	19	22	18	20	07	07	09	22	19
Min	10.2	10.0	11.6	19.9	42.3	43.6	9.2	9.1	0.00805
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/2/2016

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	0.009132	13.3	14.3	.00	29.16	987.6	-2.4	.00	6.6
01:00	0.009106	13.3	14.3	.00	29.16	987.7	-2.4	.00	261.9
02:00	0.009161	13.3	14.3	.00	29.16	987.6	-2.0	.00	336.0
03:00	0.009129	13.4	14.3	.00	29.17	987.7	-1.7	.00	276.2
04:00	0.009101	13.4	14.2	.00	29.16	987.5	-2.0	.00	8.7
05:00	0.009186	13.6	14.4	.00	29.17	987.9	-2.3	.00	2.9
06:00	0.009438	13.7	14.8	.00	29.17	987.9	-1.9	.00	40.5
07:00	0.009349	13.4	14.6	.00	29.18	988.1	5.4	.01	306.9
08:00	0.009305	13.8	14.6	.00	29.19	988.5	82.0	.12	251.4
09:00	0.009123	14.9	14.3	.00	29.20	988.7	280.4	.40	144.5
10:00	0.009107	14.6	14.3	.00	29.20	989.0	253.0	.36	232.9
11:00	0.008888	14.3	13.9	.00	29.20	988.9	343.9	.49	190.1
12:00	0.008773	14.1	13.7	.00	29.19	988.5	615.0	.88	53.4
13:00	0.008593	13.6	13.5	.00	29.18	988.1	683.6	.98	55.6
14:00	0.008107	12.8	12.7	.00	29.15	987.1	472.7	.68	50.1
15:00	0.007933	12.6	12.4	.00	29.14	986.8	327.4	.47	332.7
16:00	0.007943	12.8	12.4	.00	29.13	986.6	280.9	.40	250.0
17:00	0.008293	13.2	13.0	.00	29.13	986.6	157.2	.23	291.9
18:00	0.008724	14.4	13.6	.00	29.14	986.7	61.8	.09	296.3
19:00	0.009295	14.9	14.5	.00	29.14	986.9	4.5	.01	320.6
20:00	0.009649	14.8	15.1	.00	29.16	987.4	-1.7	.00	350.3
21:00	0.00979	14.8	15.3	.00	29.16	987.6	-2.6	.00	359.6
22:00	0.009812	14.6	15.3	.00	29.16	987.5	-2.6	.00	326.7
23:00	0.009727	14.2	15.2	.00	29.16	987.5	-2.9	.00	293.0
Avg	0.009028	13.8	14.1	.00	29.17	987.7	147.6	.21	325.0
Max	0.009812	14.9	15.3	.00	29.20	989.0	683.6	.98	359.6
Hr. of Max	22	19	22	23	11	10	13	13	21
Min	0.007933	12.6	12.4	.00	29.13	986.6	-2.9	.00	2.9
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/2/2016

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	39.4	79.3	341.9	350.7	45.7	34.7	56.4	.3	1.0
01:00	38.4	35.5	267.4	8.4	33.1	61.3	36.5	1.0	.1
02:00	70.0	82.7	357.0	69.3	58.2	49.7	15.0	.3	.7
03:00	68.0	60.8	264.9	38.0	50.8	39.1	31.8	.3	.5
04:00	50.3	79.6	6.4	66.4	22.7	19.7	17.0	.4	1.0
05:00	61.6	63.0	12.9	50.8	25.2	12.3	6.9	.6	1.6
06:00	42.9	30.9	99.5	10.7	43.5	20.2	16.3	.2	1.4
07:00	65.7	65.0	263.6	45.7	30.7	42.1	16.5	.3	.7
08:00	55.0	70.6	277.7	55.2	46.1	25.2	12.1	.1	.7
09:00	120.6	105.7	150.7	77.1	33.9	28.6	30.3	.6	.5
10:00	239.2	232.1	237.3	230.9	33.0	26.6	31.5	1.2	1.4
11:00	206.5	212.8	195.9	213.3	47.9	44.6	44.6	1.3	1.3
12:00	19.5	11.0	28.1	347.2	62.4	54.4	58.3	.5	.9
13:00	58.7	46.4	61.2	31.8	52.7	45.3	45.9	1.6	2.0
14:00	44.3	49.6	50.0	30.9	53.8	37.0	36.7	1.8	2.1
15:00	345.5	345.5	334.8	330.8	54.0	38.5	30.8	2.0	3.0
16:00	262.3	277.2	254.7	267.1	42.6	37.1	38.4	2.1	2.4
17:00	300.7	297.4	292.1	286.8	27.9	24.7	20.5	1.7	2.3
18:00	303.9	304.5	296.6	292.9	14.3	11.5	9.4	1.9	3.1
19:00	329.1	332.7	320.0	318.1	26.3	25.1	7.5	1.3	3.3
20:00	53.0	63.3	355.2	48.5	39.8	16.7	19.1	.5	1.5
21:00	54.7	50.4	11.0	28.4	50.6	14.3	8.1	.3	1.0
22:00	68.9	48.6	327.9	18.3	23.7	26.7	17.1	.2	.6
23:00	286.4	138.1	267.6	174.5	22.5	20.7	26.2	.6	.2
Avg	34.0	45.0	320.0	14.0	39.2	31.5	26.4	.0	.0
Max	345.5	345.5	357.0	350.7	62.4	61.3	58.3	2.1	3.3
Hr. of Max	15	15	02	00	12	01	12	16	19
Min	19.5	11.0	6.4	8.4	14.3	11.5	6.9	.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)

10/2/2016

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	.4	.9	1.2	.5	1.1	.9	2.7	.2	.05
01:00	.7	1.4	1.1	1.6	1.8	1.9	1.5	1.2	.03
02:00	1.3	.7	.7	1.3	1.1	1.6	1.7	.5	.03
03:00	.8	.6	.7	1.1	1.0	1.4	.6	.9	.01
04:00	1.4	.4	1.2	1.7	.8	2.0	3.2	1.2	.06
05:00	3.1	.8	1.7	3.1	1.2	3.3	1.5	.4	.02
06:00	2.1	.3	1.6	2.2	.7	2.4	1.3	2.5	.02
07:00	.9	.4	.8	1.0	.8	1.3	2.2	1.4	.03
08:00	1.5	.2	.8	1.5	.5	1.7	3.6	.6	.08
09:00	.6	.9	1.2	1.4	1.4	1.7	5.7	-5.9	.15
10:00	1.5	1.6	1.6	1.6	2.0	2.0	3.2	-2.9	.11
11:00	1.4	1.8	1.7	1.8	2.3	2.2	.1	-6.0	.00
12:00	1.3	2.2	2.1	2.1	2.7	2.8	.5	-.6	-.07
13:00	2.1	2.8	3.1	3.1	3.4	3.8	3.3	3.5	.10
14:00	2.3	3.0	3.1	3.3	3.5	4.0	-4.4	-6.8	-.28
15:00	3.5	2.6	3.4	3.9	3.1	4.3	4.2	7.1	.00
16:00	2.5	2.6	2.8	3.0	3.1	3.5	-.8	-6.0	-.12
17:00	2.7	1.9	2.5	2.9	2.2	3.1	2.1	1.2	.00
18:00	4.4	2.0	3.2	4.5	2.0	4.4	-3.1	-4.1	-.16
19:00	4.7	1.6	3.5	4.7	1.7	5.0	.8	1.9	.00
20:00	1.7	.6	1.5	1.8	.9	2.0	.6	1.2	.01
21:00	1.3	.5	1.0	1.3	.7	1.6	1.6	1.1	.03
22:00	.8	.4	.6	1.0	.7	1.3	1.1	.0	.01
23:00	.3	.6	.8	.7	1.0	1.1	1.3	.5	.02
Avg	.0	1.3	1.7	2.1	1.7	2.5	1.4	-.3	.01
Max	4.7	3.0	3.5	4.7	3.5	5.0	5.7	7.1	.15
Hr. of Max	19	14	19	19	14	19	09	15	09
Min	.3	.2	.6	.5	.5	.9	-4.4	-6.8	-.28
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/2/2016

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	.00	3.7	2.7	1.8	8.0	9.0	15.0	16.2
01:00	.05	3.7	4.1	3.7	6.6	6.3	14.6	16.2
02:00	.01	2.1	2.1	2.1	9.1	5.6	14.5	15.3
03:00	.05	2.3	2.7	3.7	6.7	6.8	14.3	15.1
04:00	.04	2.5	2.7	3.2	9.4	4.4	14.3	15.0
05:00	.03	3.0	3.4	5.5	7.6	2.6	14.3	14.8
06:00	.10	2.5	5.7	7.6	12.0	5.8	14.7	15.0
07:00	.04	1.8	2.7	2.7	8.8	6.0	14.3	14.8
08:00	.03	1.4	2.1	3.4	13.6	5.6	14.4	14.6
09:00	-.14	3.0	3.0	3.9	30.4	21.7	16.6	16.0
10:00	-.12	4.4	3.9	5.7	26.6	26.4	18.2	17.5
11:00	-.22	5.3	4.1	4.4	27.5	28.2	19.6	18.9
12:00	.00	6.4	8.2	6.9	30.5	36.8	21.3	20.6
13:00	.26	7.6	8.9	8.2	28.4	29.5	22.9	21.9
14:00	-.57	9.4	11.7	10.1	24.1	27.1	23.4	22.6
15:00	.39	8.9	9.6	10.3	25.8	22.6	23.9	23.1
16:00	-.41	8.9	7.8	9.4	23.2	26.7	23.9	23.2
17:00	-.08	5.5	6.2	6.6	20.2	18.1	23.8	23.1
18:00	-.38	4.8	6.6	8.5	12.8	7.5	23.2	22.8
19:00	.10	6.4	11.4	9.2	11.0	5.4	21.5	22.3
20:00	.05	2.7	3.0	3.9	9.2	5.5	19.8	20.8
21:00	.04	3.0	4.6	5.3	7.9	5.2	18.7	19.9
22:00	.00	1.6	1.8	2.3	5.9	5.5	17.5	18.8
23:00	.01	2.3	2.5	2.1	4.9	5.1	16.5	17.8
Avg	-.03	4.3	5.1	5.4	15.4	13.5	18.4	18.6
Max	.39	9.4	11.7	10.3	30.5	36.8	23.9	23.2
Hr. of Max	15	14	14	15	12	12	16	16
Min	-.57	1.4	1.8	1.8	4.9	2.6	14.3	14.6
Count	24	24	24	24	24	24	24	24
Total								