Date Printed: 01/18/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

1/17/2017

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	10.7	11.9	12.7	14.1	1.27	2.01	3.44	.74	2.17
01:00	10.5	11.8	13.2	14.2	1.35	2.74	3.69	1.39	2.34
02:00	10.8	11.9	13.3	13.9	1.10	2.46	3.01	1.36	1.91
03:00	11.3	12.3	13.0	13.4	1.01	1.71	2.14	.69	1.13
04:00	12.2	12.9	13.0	13.2	.68	.82	.99	.14	.32
05:00	12.5	13.5	13.7	13.9	1.03	1.25	1.44	.22	.42
06:00	12.4	13.7	14.0	14.3	1.31	1.64	1.93	.32	.62
07:00	14.8	15.2	15.3	15.5	.41	.50	.68	.09	.27
08:00	15.5	15.8	15.8	15.9	.30	.27	.34	-.03	.05
09:00	15.8	16.0	15.9	16.0	.23	.15	.20	-.08	-.03
10:00	15.5	15.7	15.7	15.7	.23	.19	.26	-.04	.03
11:00	15.0	15.2	15.2	15.3	.20	.24	.36	.04	.15
12:00	15.2	15.2	15.2	15.3	.06	.05	.19	-.01	.13
13:00	16.1	16.1	16.0	16.1	.04	-.03	.02	-.07	-.02
14:00	16.4	16.5	16.5	16.7	.16	.19	.30	.03	.14
15:00	16.7	16.8	16.8	16.9	.16	.17	.23	.01	.06
16:00	16.8	16.9	16.9	16.8	.11	.03	.01	-.08	-.11
17:00	16.5	16.6	16.6	16.6	.12	.07	.08	-.05	-.03
18:00	16.2	16.3	16.3	16.4	.13	.11	.17	-.02	.04
19:00	16.3	16.5	16.5	16.7	.21	.23	.37	.03	.16
20:00	16.6	16.8	16.9	17.0	.24	.30	.45	.06	.21
21:00	16.8	16.9	17.0	17.1	.18	.21	.31	.03	.13
22:00	16.7	16.9	16.9	17.1	.23	.29	.45	.06	.22
23:00	16.1	16.3	16.2	16.3	.17	.14	.18	-.03	.01
Avg	14.7	15.2	15.4	15.6	.46	.66	.89	.20	.43
Max	16.8	16.9	17.0	17.1	1.35	2.74	3.69	1.39	2.34
Hr. of Max	21	22	21	22	01	01	01	01	01
Min	10.5	11.8	12.7	13.2	.04	-.03	.01	-.08	-.11
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/17/2017

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	10.1	11.5	10.3	12.1	97.7	98.6	9.5	10.3	0.007897
01:00	9.9	11.4	10.1	12.0	97.7	98.8	9.3	10.3	0.007784
02:00	10.3	11.5	10.5	11.9	97.8	98.8	9.6	10.4	0.007999
03:00	10.8	11.9	10.9	11.9	97.8	98.6	9.9	10.6	0.008244
04:00	11.7	12.0	11.9	11.8	97.9	95.8	10.5	10.7	0.008779
05:00	11.8	12.0	12.1	11.8	97.2	91.7	10.6	10.6	0.008876
06:00	11.8	12.2	12.0	11.7	97.8	91.9	10.5	10.7	0.008868
07:00	12.6	12.3	13.3	11.7	88.0	83.9	11.0	10.8	0.009347
08:00	11.8	11.7	13.1	11.7	79.8	77.4	10.4	10.3	0.008884
09:00	11.7	11.6	13.0	11.7	77.9	76.2	10.3	10.2	0.008788
10:00	12.3	12.1	13.3	11.8	82.5	80.4	10.7	10.6	0.00913
11:00	13.7	13.3	14.2	11.8	93.8	90.1	11.8	11.5	0.01007
12:00	14.6	14.7	14.8	11.9	97.8	98.2	12.5	12.6	0.010632
13:00	15.1	15.2	15.4	12.0	96.0	96.4	12.9	13.0	0.011052
14:00	15.0	15.1	15.5	12.1	93.5	93.1	12.8	12.9	0.010989
15:00	15.2	15.3	15.7	12.3	92.6	92.6	12.9	13.0	0.011097
16:00	15.3	15.4	15.8	12.4	92.2	92.6	13.0	13.1	0.011174
17:00	15.6	15.8	15.9	12.5	96.0	96.8	13.3	13.5	0.011378
18:00	15.5	15.9	15.8	12.6	97.7	99.1	13.2	13.5	0.011344
19:00	15.7	16.1	15.9	12.6	97.7	99.1	13.4	13.7	0.011445
20:00	15.9	16.3	16.1	12.7	97.8	98.7	13.6	13.9	0.011638
21:00	16.1	16.4	16.3	12.7	97.7	98.3	13.7	13.9	0.011766
22:00	16.0	16.3	16.2	12.8	97.5	98.3	13.6	13.9	0.011682
23:00	15.0	15.2	15.3	12.8	94.8	94.9	12.8	12.9	0.010962
Avg	13.5	13.8	13.9	12.1	94.1	93.3	11.7	12.0	0.009993
Max	16.1	16.4	16.3	12.8	97.9	99.1	13.7	13.9	0.011766
Hr. of Max	21	21	21	23	04	19	21	22	21
Min	9.9	11.4	10.1	11.7	77.9	76.2	9.3	10.2	0.007784
Count	24	24	24	24	24	24	24	24	24
Total									

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

Daily Summary Report

Site: Tower "D" (1000 Area)

1/17/2017

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	0.00867	12.4	13.6	.00	29.24	990.1	-1.9	.00	105.7
01:00	0.008611	12.2	13.5	.00	29.23	989.7	-3.2	.00	210.8
02:00	0.008692	12.6	13.6	.00	29.22	989.6	-3.4	.00	229.8
03:00	0.00889	12.9	13.9	.00	29.22	989.5	-2.4	.00	201.9
04:00	0.008983	13.8	14.1	.00	29.20	988.9	-2.4	.00	202.8
05:00	0.008949	13.9	14.0	.00	29.20	988.9	-2.0	.00	234.8
06:00	0.009081	13.9	14.2	.00	29.19	988.7	-2.1	.00	210.5
07:00	0.00915	14.6	14.3	.00	29.19	988.6	-1.5	.00	228.3
08:00	0.008779	13.9	13.8	.00	29.20	988.7	4.7	.01	232.1
09:00	0.008717	13.8	13.7	.00	29.21	989.1	16.6	.02	235.3
10:00	0.009028	14.3	14.2	.01	29.22	989.4	33.6	.05	237.9
11:00	0.009801	15.8	15.3	.02	29.20	988.9	54.4	.08	235.1
12:00	0.01072	16.6	16.7	.15	29.17	987.8	54.1	.08	228.2
13:00	0.011122	17.2	17.3	.00	29.14	986.9	85.5	.12	223.2
14:00	0.011053	17.1	17.2	.00	29.13	986.3	48.9	.07	229.2
15:00	0.011209	17.3	17.5	.00	29.13	986.4	26.4	.04	217.2
16:00	0.011298	17.4	17.6	.00	29.12	986.2	22.1	.03	211.9
17:00	0.011564	17.7	18.0	.02	29.14	986.8	.0	.00	230.5
18:00	0.0116	17.7	18.1	.02	29.16	987.5	-2.6	.00	228.0
19:00	0.011753	17.8	18.3	.00	29.15	987.3	-2.0	.00	236.4
20:00	0.011931	18.1	18.6	.00	29.15	987.1	-2.2	.00	230.2
21:00	0.011978	18.3	18.6	.01	29.14	986.9	-2.7	.00	238.1
22:00	0.011942	18.2	18.6	.01	29.14	986.7	-2.4	.00	225.8
23:00	0.011085	17.1	17.3	.07	29.15	987.1	-2.2	.00	257.2
Avg	0.010192	15.6	15.9	.01	29.18	988.0	13.1	.02	224.0
Max	0.011978	18.3	18.6	.15	29.24	990.1	85.5	.12	257.2
Hr. of Max	21	21	22	12	00	00	13	13	23
Min	0.008611	12.2	13.5	.00	29.12	986.2	-3.4	.00	105.7
Count	24	24	24	24	24	24	24	24	24
Total									

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OAK RIDGE NATIONAL LABORATORY
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Daily Summary Report

Site: Tower "D" (1000 Area)

1/17/2017

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	235.5	252.4	241.7	247.1	34.1	10.4	5.8	.1	1.6
01:00	244.4	265.7	240.1	260.7	49.9	22.3	11.1	1.1	2.1
02:00	253.7	265.6	236.9	261.2	26.2	14.4	9.7	1.6	2.7
03:00	231.6	233.6	212.7	229.6	41.8	12.3	8.8	2.2	4.8
04:00	227.5	228.0	211.0	223.5	26.2	15.0	11.7	2.0	4.1
05:00	248.7	244.2	239.6	239.7	34.8	15.2	10.6	2.2	4.4
06:00	234.4	227.0	226.3	223.0	35.3	10.6	8.3	1.9	4.6
07:00	230.8	226.6	229.1	222.6	20.0	13.6	9.3	5.4	9.2
08:00	236.7	231.4	232.1	227.3	19.1	13.8	10.2	5.6	9.0
09:00	238.1	233.2	235.5	229.2	20.6	12.7	9.5	5.3	8.3
10:00	241.3	235.2	240.1	231.0	21.7	13.6	9.8	4.1	6.9
11:00	246.8	237.0	239.8	232.8	29.5	13.3	10.0	2.3	4.4
12:00	229.4	220.8	230.8	216.6	24.2	14.0	9.4	3.2	5.6
13:00	227.4	222.5	223.6	218.4	19.4	13.7	10.0	5.9	8.9
14:00	232.0	224.5	230.8	220.7	18.6	11.1	8.3	5.2	8.8
15:00	222.2	217.2	218.0	213.2	18.3	14.3	10.4	6.6	9.9
16:00	218.6	215.6	212.7	211.3	20.6	16.7	14.1	6.7	9.1
17:00	237.2	232.8	232.3	228.7	17.2	10.8	8.1	4.8	7.8
18:00	235.5	232.0	228.8	227.9	16.8	9.3	6.4	3.8	6.6
19:00	240.2	232.3	238.6	228.4	17.5	10.3	7.1	3.9	6.7
20:00	235.3	230.0	230.6	226.1	18.2	10.2	6.9	4.5	8.0
21:00	242.2	237.5	238.9	233.4	18.6	11.8	8.6	5.4	8.9
22:00	232.4	228.6	226.9	224.7	16.7	10.3	7.4	5.5	9.0
23:00	266.4	265.5	257.4	259.8	22.2	18.4	17.4	6.4	9.5
Avg	237.0	234.0	231.0	230.0	24.5	13.3	9.5	.0	.0
Max	266.4	265.7	257.4	261.2	49.9	22.3	17.4	6.7	9.9
Hr. of Max	23	01	23	02	01	01	23	16	15
Min	218.6	215.6	211.0	211.3	16.7	9.3	5.8	.1	1.6
Count	24	24	24	24	24	24	24	24	24
Total									

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OAK RIDGE NATIONAL LABORATORY
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Daily Summary Report

Site: Tower "D" (1000 Area)

1/17/2017

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	.3	1.6	3.5	.8	3.7	1.7	.3	.03
01:00	4.3	1.2	2.4	4.5	1.7	4.6	.7	.6	.01
02:00	4.7	1.9	2.8	4.8	2.2	4.9	-.2	1.5	-.01
03:00	7.2	2.4	5.0	7.4	2.8	7.8	.9	-.6	-.01
04:00	6.1	2.3	4.3	6.3	2.7	6.7	1.5	-1.4	.04
05:00	6.6	2.5	4.6	6.8	2.9	7.2	2.3	.1	.06
06:00	7.1	2.0	4.6	7.3	2.4	7.7	.9	-.4	.00
07:00	12.5	5.7	9.4	12.6	6.2	13.4	2.1	-.9	.02
08:00	11.6	5.9	9.3	11.8	6.6	12.5	.8	-.7	-.09
09:00	10.8	5.6	8.5	11.0	6.2	11.5	1.0	-.9	-.07
10:00	9.6	4.4	7.2	9.8	5.1	10.4	.0	-1.1	-.15
11:00	6.4	2.6	4.6	6.6	3.0	7.0	-1.1	-.9	-.11
12:00	8.5	3.4	5.8	8.6	3.9	9.0	.8	-.9	-.03
13:00	11.6	6.2	9.1	11.8	6.9	12.5	2.1	-1.1	.09
14:00	11.8	5.4	9.0	11.9	6.0	12.6	.6	-1.6	-.08
15:00	13.1	6.9	10.2	13.3	7.5	14.0	1.2	-1.6	-.03
16:00	11.6	7.2	9.5	12.0	7.7	12.6	1.7	-1.0	.04
17:00	10.0	5.0	8.0	10.2	5.6	10.7	.8	-1.3	-.06
18:00	8.9	4.0	6.7	9.0	4.5	9.3	1.1	-1.0	-.01
19:00	9.2	4.1	6.9	9.4	4.5	9.9	.3	-.8	-.07
20:00	11.0	4.7	8.1	11.0	5.4	11.6	1.8	-1.3	.03
21:00	11.9	5.6	9.1	12.1	6.3	12.7	1.3	-.6	-.04
22:00	12.1	5.7	9.2	12.2	6.3	12.8	.5	-.8	-.08
23:00	11.7	7.2	10.7	13.3	7.6	13.7	-1.6	-2.3	-.48
Avg	.0	4.3	6.9	9.5	4.8	10.0	.9	-.8	-.04
Max	13.1	7.2	10.7	13.3	7.7	14.0	2.3	1.5	.09
Hr. of Max	15	23	23	23	16	15	05	02	13
Min	3.5	.3	1.6	3.5	.8	3.7	-1.6	-2.3	-.48
Count	24	24	24	24	24	24	24	24	24
Total									

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OAK RIDGE NATIONAL LABORATORY
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Daily Summary Report

Site: Tower "D" (1000 Area)

1/17/2017

Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	36_SonicTemp_015m	37_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	.02	1.8	4.1	6.4	6.1	3.5	12.6	14.7
01:00	.03	3.4	6.0	7.6	7.5	5.5	12.5	14.7
02:00	.10	4.4	6.0	8.9	6.4	5.8	12.6	14.4
03:00	-.11	8.0	8.7	16.7	10.3	3.9	13.0	13.9
04:00	-.20	10.1	13.1	16.7	10.5	5.8	13.6	13.7
05:00	-.03	7.3	10.8	13.1	11.0	6.0	14.3	14.4
06:00	-.09	7.8	11.2	15.3	9.5	5.4	14.4	14.8
07:00	-.28	15.1	17.6	24.7	15.7	6.9	16.1	16.0
08:00	-.27	15.1	24.5	34.1	14.2	7.7	16.6	16.3
09:00	-.25	21.1	19.0	20.4	13.9	6.9	16.7	16.4
10:00	-.26	11.2	13.7	18.5	13.7	6.7	16.5	16.3
11:00	-.14	8.9	13.3	18.3	10.7	5.5	16.1	15.9
12:00	-.21	10.8	11.9	14.2	13.9	7.3	16.2	16.0
13:00	-.37	16.7	17.4	22.7	14.3	7.7	17.1	16.7
14:00	-.43	13.5	17.9	28.2	13.7	6.1	17.5	17.4
15:00	-.51	17.2	21.5	27.5	14.2	7.1	17.9	17.6
16:00	-.40	18.3	19.2	22.4	14.8	9.9	18.0	17.6
17:00	-.28	15.6	22.4	25.4	12.8	6.0	17.7	17.4
18:00	-.19	8.0	12.4	17.4	12.0	4.3	17.4	17.2
19:00	-.17	10.3	12.6	14.7	11.6	4.6	17.6	17.5
20:00	-.31	11.0	14.2	21.1	14.1	5.3	17.9	17.8
21:00	-.20	14.0	18.8	23.4	14.1	5.9	18.0	17.9
22:00	-.25	16.5	20.8	23.6	12.9	5.5	18.0	18.0
23:00	-.73	17.9	20.2	21.8	15.0	9.2	17.2	16.9
Avg	-.23	11.8	14.9	19.3	12.2	6.2	16.1	16.2
Max	.10	21.1	24.5	34.1	15.7	9.9	18.0	18.0
Hr. of Max	02	09	08	08	07	16	22	22
Min	-.73	1.8	4.1	6.4	6.1	3.5	12.5	13.7
Count	24	24	24	24	24	24	24	24
Total								