Date Printed: 03/08/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/7/2017

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	15.4	16.0	16.1	16.1	.69	.71	.79	.02	.09
01:00	16.0	16.4	16.3	16.3	.35	.26	.29	-.08	-.06
02:00	15.9	16.3	16.2	16.2	.43	.35	.37	-.08	-.05
03:00	15.8	16.1	15.9	15.9	.29	.17	.15	-.12	-.14
04:00	15.6	15.8	15.6	15.6	.16	.00	-.04	-.16	-.20
05:00	15.3	15.5	15.3	15.3	.14	-.02	-.06	-.16	-.20
06:00	15.0	15.2	15.1	15.1	.22	.12	.10	-.11	-.12
07:00	13.4	14.1	14.2	14.4	.71	.88	1.06	.17	.35
08:00	14.5	14.8	14.9	15.0	.38	.43	.55	.04	.16
09:00	15.6	15.8	15.6	15.6	.13	-.03	-.07	-.16	-.20
10:00	16.4	16.4	16.3	16.2	.02	-.16	-.23	-.18	-.26
11:00	17.0	17.1	16.9	16.8	.04	-.14	-.21	-.19	-.26
12:00	15.9	16.0	15.9	15.9	.12	.02	.01	-.10	-.11
13:00	14.4	14.4	14.3	14.3	-.04	-.15	-.14	-.10	-.09
14:00	14.3	14.3	14.2	14.2	-.03	-.14	-.14	-.11	-.11
15:00	14.1	14.1	14.0	14.0	.05	-.03	-.03	-.08	-.08
16:00	13.8	13.8	13.7	13.7	.01	-.08	-.09	-.09	-.10
17:00	14.3	14.4	14.3	14.3	.11	.02	-.01	-.08	-.12
18:00	14.3	14.5	14.5	14.6	.25	.26	.32	.01	.07
19:00	14.0	14.3	14.3	14.4	.27	.30	.40	.03	.13
20:00	14.1	14.3	14.2	14.3	.19	.16	.24	-.03	.05
21:00	14.5	14.6	14.6	14.6	.13	.07	.10	-.07	-.03
22:00	14.2	14.3	14.2	14.2	.09	.01	.02	-.08	-.07
23:00	11.6	11.8	11.7	11.7	.17	.10	.09	-.07	-.08
Avg	14.8	15.0	14.9	14.9	.20	.13	.14	-.07	-.06
Max	17.0	17.1	16.9	16.8	.71	.88	1.06	.17	.35
Hr. of Max	11	11	11	11	07	07	07	07	07
Min	11.6	11.8	11.7	11.7	-.04	-.16	-.23	-.19	-.26
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/7/2017

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	6.1	5.7	9.2	11.8	54.9	51.2	7.1	6.9	0.006013
01:00	5.8	5.5	9.2	11.7	51.5	49.3	7.0	6.8	0.00589
02:00	5.8	5.5	9.1	11.7	51.9	49.4	7.0	6.8	0.005881
03:00	6.5	6.2	9.6	11.6	54.7	52.7	7.3	7.2	0.006172
04:00	7.3	7.2	10.1	11.5	58.6	57.4	7.7	7.6	0.006545
05:00	7.9	7.7	10.4	11.5	61.9	60.7	8.0	7.9	0.006779
06:00	8.7	8.4	10.8	11.5	66.9	64.9	8.5	8.3	0.007156
07:00	10.8	10.1	11.7	11.5	85.9	78.0	9.8	9.3	0.00827
08:00	10.3	9.7	11.7	11.5	77.3	72.5	9.5	9.1	0.007994
09:00	9.8	9.3	11.7	11.5	69.0	66.3	9.1	8.8	0.007709
10:00	9.6	9.1	11.9	11.6	65.3	62.8	9.0	8.7	0.007653
11:00	9.3	8.8	11.9	11.7	61.1	59.2	8.8	8.5	0.007469
12:00	10.8	10.5	12.5	11.8	73.4	71.4	9.8	9.6	0.008299
13:00	13.1	13.4	13.5	11.9	93.3	95.2	11.4	11.6	0.009643
14:00	13.2	13.6	13.6	12.0	94.6	97.5	11.5	11.8	0.00973
15:00	13.3	13.6	13.6	12.2	96.5	98.3	11.5	11.8	0.009771
16:00	13.2	13.4	13.4	12.4	97.9	98.9	11.5	11.6	0.009718
17:00	13.3	13.8	13.6	12.4	95.0	97.8	11.5	11.9	0.009771
18:00	13.3	13.9	13.6	12.5	95.6	97.5	11.6	12.0	0.009798
19:00	13.4	13.8	13.6	12.5	97.6	98.4	11.6	11.9	0.009828
20:00	13.5	13.8	13.7	12.5	98.0	98.5	11.7	11.9	0.00991
21:00	13.7	14.1	14.0	12.5	96.6	98.4	11.8	12.1	0.010043
22:00	13.6	13.8	13.8	12.5	97.7	98.6	11.8	11.9	0.009967
23:00	8.6	8.6	9.6	12.6	82.8	82.1	8.6	8.6	0.007144
Avg	10.5	10.4	11.9	12.0	78.3	77.4	9.7	9.7	0.008215
Max	13.7	14.1	14.0	12.6	98.0	98.9	11.8	12.1	0.010043
Hr. of Max	21	21	21	23	20	16	22	21	21
Min	5.8	5.5	9.1	11.5	51.5	49.3	7.0	6.8	0.005881
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)

3/7/2017

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	0.00586	9.5	9.3	.00	29.30	992.1	-2.2	.00	217.4
01:00	0.005762	9.3	9.1	.00	29.27	991.3	-1.8	.00	201.8
02:00	0.00576	9.3	9.1	.00	29.25	990.6	-2.2	.00	204.1
03:00	0.006061	9.7	9.6	.00	29.24	990.2	-2.2	.00	205.2
04:00	0.006468	10.3	10.2	.00	29.27	991.1	-1.9	.00	200.9
05:00	0.00671	10.7	10.6	.00	29.27	991.4	-1.8	.00	201.6
06:00	0.007043	11.3	11.1	.01	29.27	991.4	-1.9	.00	199.6
07:00	0.007865	13.0	12.4	.01	29.28	991.5	14.6	.02	227.7
08:00	0.007686	12.6	12.1	.00	29.29	991.8	42.5	.06	220.8
09:00	0.007467	12.1	11.8	.00	29.28	991.5	104.0	.15	209.4
10:00	0.007377	12.0	11.6	.00	29.27	991.1	191.8	.27	200.4
11:00	0.007257	11.8	11.4	.00	29.25	990.6	116.8	.17	198.0
12:00	0.008127	13.0	12.8	.02	29.24	990.1	65.2	.09	208.7
13:00	0.009812	15.1	15.4	.11	29.21	989.1	86.8	.12	212.7
14:00	0.010012	15.2	15.7	.06	29.18	988.2	51.5	.07	210.8
15:00	0.009979	15.3	15.6	.25	29.20	988.9	17.6	.03	257.2
16:00	0.009818	15.2	15.4	.10	29.22	989.7	20.7	.03	207.8
17:00	0.01013	15.3	15.8	.02	29.16	987.6	16.9	.02	200.3
18:00	0.010158	15.3	15.9	.00	29.18	988.2	.2	.00	228.8
19:00	0.010089	15.4	15.8	.00	29.18	988.2	-2.7	.00	232.4
20:00	0.010087	15.5	15.8	.00	29.20	988.9	-2.1	.00	228.3
21:00	0.010312	15.7	16.1	.00	29.21	989.3	-1.9	.00	232.7
22:00	0.010117	15.6	15.8	.13	29.23	989.9	-2.3	.00	242.7
23:00	0.007172	11.3	11.3	.01	29.28	991.5	-2.4	.00	276.8
Avg	0.008214	12.9	12.9	.03	29.24	990.2	29.3	.04	217.0
Max	0.010312	15.7	16.1	.25	29.30	992.1	191.8	.27	276.8
Hr. of Max	21	21	21	15	00	00	10	10	23
Min	0.00576	9.3	9.1	.00	29.16	987.6	-2.7	.00	198.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/7/2017

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	213.1	203.1	220.7	198.6	21.3	16.1	14.1	4.2	6.3
01:00	202.0	195.3	203.5	190.4	24.6	21.1	17.5	5.8	8.2
02:00	207.3	201.9	206.4	197.1	24.1	20.6	16.5	6.0	8.4
03:00	208.7	204.7	206.2	200.0	22.4	19.4	16.6	7.6	9.8
04:00	208.8	205.3	201.7	200.6	22.6	19.4	16.6	8.4	10.8
05:00	204.8	200.7	202.7	195.8	25.7	22.7	17.7	6.5	8.8
06:00	206.0	200.8	201.6	196.1	23.7	19.4	16.1	5.0	7.1
07:00	222.4	212.1	230.4	207.5	21.1	14.2	11.9	3.6	6.1
08:00	220.4	213.7	221.5	209.4	20.3	14.6	11.6	5.3	8.1
09:00	215.2	210.5	210.7	206.1	20.9	17.4	13.9	7.6	10.0
10:00	204.9	203.5	201.7	198.9	25.1	20.5	15.7	8.5	10.8
11:00	202.2	199.8	199.1	195.1	24.3	20.9	17.0	8.6	10.9
12:00	212.2	208.0	210.5	203.5	21.0	18.4	15.5	6.1	8.2
13:00	215.0	207.6	213.3	202.8	27.6	20.7	17.7	4.5	6.6
14:00	215.3	208.6	214.4	203.3	27.7	22.1	19.0	4.6	6.5
15:00	260.6	256.5	256.7	250.7	25.3	19.7	15.5	4.9	6.7
16:00	220.9	222.2	211.9	218.0	21.5	17.0	13.0	3.1	4.7
17:00	203.0	196.2	201.2	191.3	35.7	30.0	24.3	5.2	7.3
18:00	231.5	224.8	232.0	220.4	21.0	15.5	11.8	3.9	6.2
19:00	241.6	238.1	234.5	233.9	16.6	10.9	7.5	3.9	6.8
20:00	235.0	231.0	228.7	227.0	18.2	10.7	7.5	4.3	7.3
21:00	238.3	233.6	232.7	229.5	19.9	13.1	9.4	5.8	8.9
22:00	250.0	247.7	243.2	243.2	20.8	18.1	16.2	7.6	10.7
23:00	292.3	295.7	276.2	288.1	34.8	26.9	22.9	6.3	8.6
Avg	221.0	216.0	218.0	211.0	23.6	18.7	15.2	.0	.0
Max	292.3	295.7	276.2	288.1	35.7	30.0	24.3	8.6	10.9
Hr. of Max	23	23	23	23	17	17	17	11	11
Min	202.0	195.3	199.1	190.4	16.6	10.7	7.5	3.1	4.7
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)

3/7/2017

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	8.1	4.5	6.5	8.3	4.9	8.7	.4	-1.7	-.10
01:00	11.0	6.3	8.7	11.4	7.0	12.0	1.6	-3.1	-.05
02:00	11.0	6.5	8.9	11.4	7.1	12.0	2.5	-1.3	.11
03:00	12.0	8.1	10.3	12.5	8.6	13.1	1.6	-1.7	-.02
04:00	13.3	8.9	11.3	13.8	9.6	14.5	1.1	-1.7	-.06
05:00	11.4	7.1	9.4	11.9	7.9	12.5	3.2	-1.2	.16
06:00	9.2	5.4	7.5	9.5	6.0	10.0	2.1	-2.1	.03
07:00	8.3	3.8	6.3	8.5	4.2	9.0	-.4	-2.3	-.09
08:00	10.7	5.6	8.4	11.0	6.2	11.6	.2	-2.4	-.11
09:00	12.2	8.1	10.5	12.5	8.7	13.2	.8	-2.0	-.06
10:00	13.4	9.3	11.5	13.9	9.9	14.6	1.0	-1.1	-.09
11:00	13.5	9.3	11.5	14.0	9.7	14.8	1.2	-1.3	-.04
12:00	10.5	6.5	8.7	10.9	7.1	11.5	2.0	-.8	.04
13:00	8.5	5.1	7.1	8.9	5.6	9.3	2.6	.1	.08
14:00	8.4	5.0	6.9	8.8	5.6	9.2	5.5	-.2	.27
15:00	8.7	5.9	8.2	10.7	6.3	11.0	-.5	-1.3	-.34
16:00	6.6	3.8	5.4	7.5	4.1	7.8	2.8	.4	.08
17:00	9.8	6.4	8.7	11.0	7.2	11.5	-.1	-1.8	-.24
18:00	8.2	4.2	6.5	8.4	4.6	8.9	.7	-.8	-.07
19:00	9.4	4.1	6.9	9.5	4.5	9.9	1.3	-.5	.00
20:00	9.9	4.5	7.4	10.0	5.0	10.6	.0	-.7	-.12
21:00	11.9	6.1	9.2	12.0	6.8	12.7	.3	-.1	-.12
22:00	13.3	8.2	11.5	14.1	8.9	14.6	-.1	-1.4	-.26
23:00	11.2	7.4	9.5	12.1	7.9	12.5	-.1	-1.8	-.48
Avg	.0	6.3	8.6	10.9	6.8	11.5	1.2	-1.3	-.06
Max	13.5	9.3	11.5	14.1	9.9	14.8	5.5	.4	.27
Hr. of Max	11	11	22	22	10	11	14	16	14
Min	6.6	3.8	5.4	7.5	4.1	7.8	-.5	-3.1	-.48
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/7/2017

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	-.42	15.1	18.3	21.3	14.0	10.8	16.5	16.2
01:00	-.89	19.2	23.8	28.4	17.9	12.9	16.8	16.4
02:00	-.56	19.7	21.3	24.5	17.5	12.5	16.7	16.3
03:00	-.69	27.2	30.2	29.1	15.5	13.0	16.5	16.0
04:00	-.72	23.1	24.7	30.5	16.0	13.2	16.3	15.7
05:00	-.53	19.0	21.8	30.9	18.9	13.7	16.0	15.5
06:00	-.58	16.5	26.1	36.4	17.6	12.4	15.9	15.4
07:00	-.46	10.1	13.1	16.3	12.6	8.6	14.9	14.9
08:00	-.61	15.6	20.8	26.8	14.1	8.7	15.6	15.4
09:00	-.67	19.5	25.6	25.2	15.0	10.5	16.4	15.8
10:00	-.58	24.3	28.2	27.2	15.7	12.6	17.0	16.4
11:00	-.60	23.1	24.7	27.9	16.7	12.4	17.6	17.0
12:00	-.32	20.8	22.7	24.5	16.2	11.1	16.8	16.4
13:00	-.20	17.4	18.3	18.8	16.9	13.6	15.3	14.9
14:00	-.25	14.7	22.0	22.4	20.3	14.4	15.2	14.8
15:00	-.45	18.5	20.8	22.9	16.8	11.1	15.1	14.7
16:00	-.04	12.6	18.1	19.5	14.9	8.6	14.9	14.4
17:00	-.69	21.5	23.1	35.3	20.0	15.9	15.5	15.0
18:00	-.20	15.1	15.6	16.7	14.7	9.2	15.5	15.2
19:00	-.14	9.8	13.5	17.2	12.1	5.5	15.2	15.0
20:00	-.17	10.5	21.8	18.3	13.3	5.3	15.2	14.9
21:00	-.12	16.0	19.2	27.0	14.0	7.0	15.6	15.2
22:00	-.50	22.7	25.9	28.9	14.2	8.0	15.3	14.9
23:00	-.98	27.2	28.4	37.1	21.5	17.2	12.6	12.1
Avg	-.47	18.3	22.0	25.5	16.1	11.2	15.8	15.4
Max	-.04	27.2	30.2	37.1	21.5	17.2	17.6	17.0
Hr. of Max	16	23	03	23	23	23	11	11
Min	-.98	9.8	13.1	16.3	12.1	5.3	12.6	12.1
Count	24	24	24	24	24	24	24	24
Total								