Date Printed: 04/19/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/18/2017

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	16.6	16.7	16.8	16.9	.09	.21	.31	.12	.23
01:00	16.6	16.7	16.9	17.0	.08	.32	.46	.24	.37
02:00	16.5	16.7	16.8	16.9	.24	.35	.39	.11	.15
03:00	16.5	16.7	16.8	16.8	.16	.27	.32	.11	.16
04:00	16.7	16.8	16.8	16.8	.12	.12	.12	.00	.00
05:00	16.6	16.9	16.9	16.9	.24	.23	.23	-.01	-.01
06:00	16.4	16.7	16.7	16.7	.22	.21	.21	-.01	-.01
07:00	16.4	16.5	16.5	16.5	.11	.11	.12	.00	.01
08:00	16.6	16.6	16.6	16.6	.00	-.05	-.04	-.05	-.04
09:00	16.5	16.5	16.4	16.4	-.05	-.14	-.17	-.09	-.12
10:00	16.5	16.3	16.1	16.1	-.18	-.34	-.40	-.16	-.22
11:00	16.8	16.6	16.4	16.2	-.25	-.47	-.59	-.22	-.34
12:00	17.0	16.8	16.6	16.6	-.20	-.37	-.46	-.17	-.26
13:00	17.6	17.3	17.1	17.0	-.27	-.51	-.65	-.24	-.38
14:00	18.6	18.3	18.1	17.9	-.33	-.57	-.70	-.24	-.37
15:00	19.3	19.0	18.7	18.6	-.35	-.58	-.68	-.23	-.33
16:00	19.9	19.6	19.3	19.2	-.31	-.56	-.65	-.25	-.34
17:00	20.0	19.7	19.5	19.4	-.25	-.49	-.57	-.24	-.32
18:00	19.6	19.7	19.6	19.6	.18	.06	.01	-.12	-.16
19:00	18.7	19.2	19.3	19.3	.53	.56	.57	.03	.04
20:00	18.1	18.8	18.9	19.0	.68	.80	.86	.12	.19
21:00	17.8	18.3	18.6	18.6	.53	.75	.83	.22	.30
22:00	17.6	18.3	18.5	18.6	.65	.83	.94	.18	.29
23:00	17.5	18.0	18.0	18.0	.48	.48	.49	.00	.01
Avg	17.5	17.6	17.6	17.6	.09	.05	.04	-.04	-.05
Max	20.0	19.7	19.6	19.6	.68	.83	.94	.24	.37
Hr. of Max	17	18	18	18	20	22	22	01	01
Min	16.4	16.3	16.1	16.1	-.35	-.58	-.70	-.25	-.38
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/18/2017

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	15.9	16.3	16.2	19.4	97.6	99.4	13.6	13.9	0.01162
01:00	15.9	16.3	16.1	19.3	97.7	99.5	13.6	13.9	0.011616
02:00	15.8	16.4	16.1	19.2	97.7	99.6	13.5	13.9	0.011555
03:00	15.9	16.3	16.1	19.1	97.8	99.6	13.5	13.9	0.011571
04:00	16.1	16.5	16.3	19.0	97.8	99.6	13.7	14.0	0.011732
05:00	16.0	16.5	16.2	18.9	97.8	99.5	13.6	14.1	0.011666
06:00	15.8	16.3	16.0	18.8	97.8	99.4	13.5	13.9	0.011516
07:00	15.7	16.1	15.9	18.7	97.8	99.5	13.4	13.7	0.011446
08:00	16.0	16.2	16.2	18.6	97.9	99.4	13.6	13.8	0.011627
09:00	15.9	16.0	16.1	18.5	97.9	99.1	13.5	13.7	0.011572
10:00	15.9	15.7	16.1	18.5	98.0	98.1	13.5	13.4	0.011546
11:00	16.2	16.1	16.4	18.4	98.1	98.8	13.8	13.7	0.011804
12:00	16.4	16.3	16.6	18.4	98.0	98.9	14.0	13.9	0.011943
13:00	17.0	16.9	17.2	18.4	98.1	99.0	14.5	14.4	0.01241
14:00	17.9	17.7	18.1	18.5	97.4	98.5	15.3	15.1	0.013157
15:00	17.7	17.5	18.2	18.6	92.1	93.3	15.0	14.9	0.012986
16:00	16.9	16.6	17.9	18.7	84.5	84.8	14.3	14.0	0.012346
17:00	16.8	16.5	17.9	18.8	83.7	83.4	14.2	14.0	0.012312
18:00	17.1	16.6	17.9	18.9	87.8	83.9	14.5	14.0	0.012567
19:00	18.0	17.7	18.2	18.9	97.7	93.1	15.4	15.1	0.013274
20:00	17.5	18.0	17.7	19.0	98.1	97.4	14.9	15.4	0.01284
21:00	17.2	17.8	17.4	18.9	97.9	99.0	14.6	15.2	0.012552
22:00	17.0	17.8	17.2	18.9	97.9	99.1	14.4	15.2	0.012392
23:00	16.8	17.6	17.0	18.9	97.8	99.5	14.3	15.0	0.012262
Avg	16.6	16.7	16.9	18.8	96.0	96.7	14.1	14.3	0.012096
Max	18.0	18.0	18.2	19.4	98.1	99.6	15.4	15.4	0.013274
Hr. of Max	19	20	19	00	20	04	19	20	19
Min	15.7	15.7	15.9	18.4	83.7	83.4	13.4	13.4	0.011446
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)

4/18/2017

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	0.011897	18.1	18.6	.01	29.21	989.3	-2.3	.00	217.1
01:00	0.011888	18.1	18.5	.00	29.21	989.1	-2.4	.00	62.3
02:00	0.011954	18.0	18.6	.00	29.19	988.5	-1.9	.00	44.4
03:00	0.011907	18.1	18.6	.00	29.19	988.4	-1.9	.00	37.5
04:00	0.012047	18.3	18.8	.01	29.19	988.7	-1.7	.00	57.8
05:00	0.012057	18.2	18.8	.00	29.21	989.1	-2.2	.00	68.0
06:00	0.011881	18.0	18.5	.00	29.22	989.7	-1.7	.00	52.6
07:00	0.011725	17.9	18.3	.01	29.25	990.5	14.9	.02	50.7
08:00	0.01181	18.2	18.5	.00	29.27	991.2	48.1	.07	50.0
09:00	0.011672	18.1	18.3	.09	29.28	991.6	92.7	.13	60.0
10:00	0.011429	18.1	17.9	.03	29.30	992.1	158.2	.23	81.8
11:00	0.011705	18.5	18.3	.03	29.31	992.5	196.1	.28	77.5
12:00	0.011892	18.7	18.6	.09	29.30	992.4	137.7	.20	79.7
13:00	0.012309	19.4	19.3	.04	29.29	992.0	235.2	.34	74.1
14:00	0.013036	20.5	20.4	.00	29.28	991.6	306.9	.44	70.0
15:00	0.01287	20.3	20.1	.00	29.26	991.0	320.4	.46	76.4
16:00	0.012148	19.3	19.0	.00	29.25	990.6	249.4	.36	83.0
17:00	0.01208	19.2	18.9	.00	29.25	990.4	220.3	.32	60.6
18:00	0.012149	19.6	19.0	.00	29.25	990.5	86.8	.12	22.0
19:00	0.013057	20.7	20.4	.00	29.25	990.4	26.5	.04	44.8
20:00	0.013307	20.0	20.8	.00	29.26	990.7	-1.1	.00	57.7
21:00	0.013115	19.6	20.5	.00	29.28	991.5	-1.5	.00	64.7
22:00	0.013072	19.4	20.4	.01	29.30	992.1	-1.4	.00	8.8
23:00	0.012866	19.2	20.1	.01	29.30	992.4	-2.0	.00	74.5
Avg	0.012245	18.9	19.1	.01	29.25	990.7	86.4	.13	60.0
Max	0.013307	20.7	20.8	.09	29.31	992.5	320.4	.46	217.1
Hr. of Max	20	19	20	12	11	11	15	15	00
Min	0.011429	17.9	17.9	.00	29.19	988.4	-2.4	.00	8.8
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/18/2017

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	224.6	135.9	248.9	142.7	66.0	30.3	33.1	.8	.5
01:00	1.2	49.3	337.0	36.3	39.7	30.7	22.6	.3	1.2
02:00	26.4	48.9	322.3	24.7	59.7	44.4	29.6	.3	1.3
03:00	359.2	59.4	325.6	22.3	46.9	31.6	49.3	.3	1.0
04:00	49.5	50.8	46.6	41.0	20.0	11.4	7.3	2.1	4.8
05:00	58.3	55.2	58.7	45.4	20.6	15.9	10.9	1.9	4.2
06:00	55.1	60.5	38.4	51.6	18.7	11.0	8.4	1.9	4.1
07:00	51.4	62.6	32.2	53.8	18.8	11.1	9.5	1.6	3.9
08:00	49.8	60.2	35.2	51.2	28.8	14.4	11.0	1.6	3.8
09:00	56.2	59.3	51.2	49.8	22.1	15.9	10.9	3.0	5.9
10:00	82.9	77.8	76.1	68.3	19.0	14.4	11.5	3.6	5.4
11:00	65.9	62.3	71.6	53.2	20.9	18.7	14.1	2.6	3.5
12:00	79.9	78.0	72.9	68.4	19.8	17.7	14.4	2.8	4.1
13:00	59.6	60.4	65.9	52.1	32.5	26.1	19.6	1.8	2.5
14:00	66.2	71.0	64.2	62.7	27.8	25.0	22.6	1.8	2.6
15:00	74.5	73.5	68.2	64.6	23.5	23.6	21.7	2.4	3.1
16:00	80.7	74.8	75.9	66.8	24.0	21.9	21.7	2.3	2.7
17:00	54.8	55.0	50.8	45.1	23.1	16.7	12.9	2.5	4.0
18:00	22.4	27.8	.0	16.3	22.2	12.2	9.6	1.6	2.8
19:00	47.4	56.8	23.7	47.2	15.2	14.2	12.8	1.3	2.2
20:00	98.2	95.8	45.3	85.5	24.6	34.3	11.8	.9	2.6
21:00	50.1	70.1	331.0	60.3	53.9	31.3	21.7	.3	1.4
22:00	41.0	65.1	331.8	56.7	60.5	39.4	43.6	.6	1.5
23:00	85.4	80.6	33.8	72.2	37.0	28.9	27.4	.5	1.4
Avg	55.0	65.0	33.0	54.0	31.1	22.5	19.1	.0	.0
Max	359.2	135.9	337.0	142.7	66.0	44.4	49.3	3.6	5.9
Hr. of Max	03	00	01	00	00	02	03	10	09
Min	1.2	27.8	.0	16.3	15.2	11.0	7.3	.3	.5
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)

4/18/2017

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	.6	1.1	1.1	1.1	1.5	1.4	.0	-5.0	-.01
01:00	1.8	.4	1.3	1.9	1.0	2.1	1.5	.1	.00
02:00	1.8	.9	1.6	1.9	1.4	2.2	-.2	-1.0	-.02
03:00	2.0	1.3	2.3	2.3	1.8	2.6	-1.6	-1.6	-.06
04:00	6.7	2.2	4.9	6.8	2.4	7.1	-.3	.6	-.11
05:00	6.3	2.0	4.4	6.4	2.4	6.7	-.3	-.1	-.10
06:00	5.4	2.0	4.1	5.5	2.3	5.7	-4.4	-.4	-.25
07:00	4.7	1.7	3.9	4.8	2.1	5.0	-5.6	-.9	-.28
08:00	4.9	1.8	3.9	5.0	2.1	5.2	-1.5	.4	-.21
09:00	7.9	3.2	6.1	8.0	3.6	8.4	-2.2	1.4	-.33
10:00	6.5	3.8	5.6	6.6	4.1	7.0	3.4	3.4	.13
11:00	4.4	2.8	3.8	4.6	3.1	4.9	.2	5.6	-.06
12:00	4.7	2.9	4.3	4.8	3.3	5.0	-1.5	-.7	-.11
13:00	3.3	2.0	2.8	3.5	2.5	3.9	6.2	6.8	.18
14:00	3.2	2.0	2.9	3.4	2.5	3.8	1.9	6.8	.11
15:00	3.4	2.6	3.2	3.6	3.0	4.0	-2.9	-.2	-.20
16:00	3.1	2.5	3.0	3.4	2.9	3.8	.8	2.4	-.04
17:00	4.5	2.9	4.3	4.7	3.2	5.0	-3.0	1.3	-.26
18:00	3.2	1.8	3.0	3.3	2.1	3.5	-6.2	-2.1	-.29
19:00	2.6	1.3	2.4	2.9	1.6	3.1	-3.4	1.0	-.12
20:00	4.1	1.2	2.7	4.2	1.6	4.5	1.7	6.6	.03
21:00	2.2	.9	2.1	2.5	1.4	2.8	-.1	-.1	-.04
22:00	2.2	1.5	1.9	2.5	1.8	2.8	-1.5	-1.0	-.08
23:00	2.0	.9	1.7	2.2	1.3	2.5	.6	2.2	.00
Avg	.0	1.9	3.2	4.0	2.3	4.3	-.8	1.1	-.09
Max	7.9	3.8	6.1	8.0	4.1	8.4	6.2	6.8	.18
Hr. of Max	09	10	09	09	10	09	13	14	13
Min	.6	.4	1.1	1.1	1.0	1.4	-6.2	-5.0	-.33
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/18/2017

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	-.11	3.7	5.3	5.3	9.6	13.6	17.8	17.8
01:00	.01	2.7	3.4	3.9	13.8	8.6	17.8	17.8
02:00	.06	3.4	5.0	6.4	11.2	12.5	17.8	17.7
03:00	-.08	5.7	5.7	6.6	9.9	10.5	17.8	17.6
04:00	.02	7.8	9.8	11.7	18.5	6.5	17.9	17.6
05:00	-.03	7.1	18.1	21.5	18.0	7.4	18.0	17.6
06:00	-.07	6.0	7.6	9.2	15.3	6.9	17.7	17.4
07:00	-.09	4.8	7.3	12.1	15.6	7.0	17.5	17.2
08:00	-.01	5.7	8.0	10.5	21.4	8.6	17.7	17.3
09:00	.08	9.8	14.4	13.7	21.2	9.3	17.5	17.0
10:00	.30	10.8	12.4	13.7	16.4	10.3	17.3	16.7
11:00	.41	7.1	8.2	8.0	20.5	13.0	17.6	16.9
12:00	-.07	6.9	8.9	7.8	15.4	9.0	17.9	17.2
13:00	.33	6.4	6.9	10.5	25.0	19.9	18.5	17.7
14:00	.35	5.7	7.8	8.0	25.8	18.9	19.6	18.8
15:00	-.10	7.6	10.3	13.5	19.9	19.8	20.2	19.5
16:00	.13	6.6	7.1	6.6	20.1	19.5	20.7	20.0
17:00	.05	6.4	7.3	8.9	18.6	12.6	20.9	20.2
18:00	-.17	5.3	9.2	9.8	14.5	8.3	20.8	20.3
19:00	.04	3.0	4.8	5.5	9.9	8.1	20.4	20.1
20:00	.48	4.4	6.9	8.0	17.7	8.9	20.0	19.8
21:00	-.02	4.6	6.0	6.9	11.2	11.6	19.5	19.5
22:00	-.06	3.9	5.0	7.3	14.4	13.5	19.4	19.4
23:00	.07	3.9	4.8	5.7	10.9	8.6	19.1	18.8
Avg	.06	5.8	7.9	9.2	16.5	11.4	18.7	18.3
Max	.48	10.8	18.1	21.5	25.8	19.9	20.9	20.3
Hr. of Max	20	10	05	05	14	13	17	18
Min	-.17	2.7	3.4	3.9	9.6	6.5	17.3	16.7
Count	24	24	24	24	24	24	24	24
Total								