Date Printed: 04/21/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/20/2017

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	16.0	17.9	19.4	20.1	1.89	3.41	4.10	1.52	2.22
01:00	15.7	17.5	18.5	19.5	1.78	2.76	3.76	.99	1.98
02:00	15.8	17.2	17.8	18.8	1.36	2.00	2.95	.64	1.59
03:00	16.2	17.1	17.3	17.9	.98	1.16	1.77	.19	.79
04:00	16.2	17.2	17.6	18.3	.97	1.40	2.13	.43	1.16
05:00	16.7	17.0	17.4	17.7	.36	.77	.99	.41	.64
06:00	16.9	17.2	17.3	17.4	.28	.44	.53	.16	.25
07:00	16.7	17.1	17.4	17.6	.32	.65	.88	.33	.56
08:00	17.9	17.8	17.8	17.9	-.02	-.02	.04	-.01	.06
09:00	19.4	19.1	18.9	18.8	-.29	-.51	-.59	-.22	-.30
10:00	20.6	20.3	20.0	20.0	-.35	-.59	-.59	-.24	-.25
11:00	22.6	22.1	21.7	21.7	-.52	-.84	-.89	-.32	-.36
12:00	24.4	23.6	23.3	23.2	-.75	-1.05	-1.17	-.31	-.42
13:00	26.0	25.2	24.9	24.7	-.77	-1.13	-1.25	-.36	-.48
14:00	25.1	24.7	24.4	24.4	-.44	-.68	-.72	-.24	-.28
15:00	22.1	21.7	21.5	21.5	-.39	-.55	-.54	-.16	-.14
16:00	24.3	24.0	23.8	23.7	-.23	-.47	-.56	-.24	-.32
17:00	24.1	24.0	23.7	23.6	-.16	-.42	-.54	-.26	-.38
18:00	23.6	23.7	23.6	23.7	.08	-.02	.03	-.09	-.05
19:00	22.7	23.1	23.2	23.2	.47	.47	.51	.00	.04
20:00	19.2	20.8	21.4	21.8	1.59	2.23	2.61	.64	1.03
21:00	17.7	19.3	20.3	20.7	1.60	2.58	2.99	.98	1.39
22:00	17.1	18.6	19.3	20.0	1.46	2.20	2.93	.74	1.47
23:00	16.7	18.2	19.4	20.3	1.51	2.69	3.54	1.18	2.03
Avg	19.7	20.2	20.4	20.7	.45	.69	.95	.24	.51
Max	26.0	25.2	24.9	24.7	1.89	3.41	4.10	1.52	2.22
Hr. of Max	13	13	13	13	00	00	00	00	00
Min	15.7	17.0	17.3	17.4	-.77	-1.13	-1.25	-.36	-.48
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/20/2017

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	15.4	16.8	15.6	19.8	97.9	95.3	13.2	14.3	0.011223
01:00	15.1	16.7	15.3	19.7	97.9	96.9	12.9	14.2	0.011007
02:00	15.2	16.7	15.4	19.5	98.0	98.7	13.0	14.2	0.011069
03:00	15.6	16.6	15.8	19.4	98.0	98.7	13.3	14.2	0.011331
04:00	15.6	16.7	15.8	19.3	98.0	98.8	13.3	14.2	0.011363
05:00	16.0	16.6	16.2	19.1	97.9	99.3	13.7	14.1	0.011676
06:00	16.2	16.8	16.5	19.0	97.7	99.6	13.8	14.3	0.011829
07:00	16.1	16.7	16.3	18.9	97.7	99.8	13.7	14.2	0.011707
08:00	17.2	17.5	17.4	18.8	98.0	99.7	14.7	14.9	0.012609
09:00	18.3	17.9	18.7	18.7	95.8	95.0	15.7	15.3	0.013548
10:00	17.4	17.0	18.5	18.7	83.9	83.2	14.8	14.3	0.01281
11:00	17.0	16.3	18.9	18.8	72.6	71.6	14.3	13.7	0.012509
12:00	16.7	15.8	19.3	19.0	64.0	63.0	14.0	13.2	0.012288
13:00	16.0	15.0	19.3	19.4	55.5	54.4	13.3	12.5	0.011753
14:00	15.3	14.6	18.6	19.8	56.6	55.2	12.8	12.2	0.011271
15:00	16.3	15.5	18.2	20.2	71.7	69.6	13.7	13.0	0.011983
16:00	15.6	14.8	18.5	20.4	59.7	57.5	13.0	12.4	0.011446
17:00	15.3	14.6	18.2	20.6	59.0	57.0	12.7	12.2	0.011223
18:00	14.8	14.3	17.7	20.6	59.0	56.9	12.4	12.0	0.010884
19:00	15.6	14.9	18.0	20.6	66.1	61.1	13.1	12.5	0.011453
20:00	16.4	15.5	17.3	20.6	85.5	73.4	13.9	13.1	0.012035
21:00	16.2	16.1	16.7	20.5	92.8	83.6	13.8	13.6	0.011866
22:00	16.2	16.8	16.5	20.4	96.5	91.2	13.8	14.2	0.0119
23:00	16.1	17.1	16.3	20.3	98.0	95.2	13.7	14.6	0.011792
Avg	16.1	16.1	17.3	19.7	83.2	81.4	13.6	13.6	0.011774
Max	18.3	17.9	19.3	20.6	98.0	99.8	15.7	15.3	0.013548
Hr. of Max	09	09	13	20	23	07	09	09	09
Min	14.8	14.3	15.3	18.7	55.5	54.4	12.4	12.0	0.010884
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)

4/20/2017

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	0.012305	17.6	19.2	.00	29.27	991.4	-2.8	.00	133.3
01:00	0.012201	17.2	19.1	.00	29.27	991.4	-2.1	.00	88.1
02:00	0.012157	17.3	19.0	.00	29.27	991.1	-2.4	.00	108.4
03:00	0.01214	17.7	19.0	.00	29.26	990.9	-2.2	.00	74.4
04:00	0.01218	17.8	19.0	.00	29.26	991.0	-3.0	.00	69.2
05:00	0.012114	18.3	18.9	.43	29.26	991.1	-2.5	.00	234.9
06:00	0.012276	18.5	19.2	.00	29.27	991.1	-2.1	.00	111.0
07:00	0.012207	18.3	19.1	.00	29.28	991.6	28.7	.04	84.5
08:00	0.012807	19.7	20.0	.00	29.29	991.8	152.0	.22	120.5
09:00	0.013188	21.1	20.6	.00	29.29	991.8	348.6	.50	217.3
10:00	0.012424	20.0	19.4	.00	29.28	991.7	431.2	.62	218.0
11:00	0.011948	19.5	18.7	.00	29.27	991.2	633.2	.91	224.4
12:00	0.011572	19.2	18.1	.00	29.24	990.3	911.2	1.31	203.1
13:00	0.011011	18.3	17.2	.00	29.20	989.0	977.9	1.40	205.6
14:00	0.010712	17.6	16.7	.02	29.18	988.3	565.0	.81	224.5
15:00	0.011352	18.7	17.7	.00	29.17	987.8	437.0	.63	254.3
16:00	0.010863	17.8	16.9	.00	29.14	986.9	335.2	.48	234.8
17:00	0.010727	17.5	16.7	.00	29.13	986.4	288.4	.41	211.9
18:00	0.010557	17.0	16.5	.00	29.12	986.2	123.4	.18	236.7
19:00	0.010945	17.8	17.0	.00	29.11	986.0	95.8	.14	236.9
20:00	0.011382	18.7	17.7	.00	29.12	986.1	.3	.00	229.6
21:00	0.011815	18.5	18.4	.00	29.12	986.3	-2.1	.00	334.3
22:00	0.012329	18.5	19.2	.00	29.12	986.0	-1.9	.00	71.6
23:00	0.012605	18.3	19.6	.00	29.11	985.9	-1.8	.00	93.3
Avg	0.011826	18.4	18.5	.02	29.21	989.2	221.0	.32	180.0
Max	0.013188	21.1	20.6	.43	29.29	991.8	977.9	1.40	334.3
Hr. of Max	09	09	09	05	09	09	13	13	21
Min	0.010557	17.0	16.5	.00	29.11	985.9	-3.0	.00	69.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/20/2017

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	263.1	249.1	206.2	244.1	24.2	20.8	6.0	.6	1.9
01:00	251.8	221.7	279.2	218.3	38.9	8.4	5.0	.0	1.0
02:00	260.8	228.9	261.9	225.3	27.8	27.9	7.2	.0	.5
03:00	62.0	51.9	48.0	36.3	8.9	15.0	24.3	.2	1.2
04:00	348.4	213.5	273.0	212.4	43.0	12.8	13.2	.2	.4
05:00	237.6	226.4	239.0	223.0	40.4	23.1	19.7	2.1	3.8
06:00	247.7	218.6	259.3	214.3	48.0	15.3	11.2	.4	1.8
07:00	212.7	245.4	254.2	240.6	35.5	33.8	17.2	.1	.1
08:00	215.2	219.4	188.8	217.8	27.0	35.0	16.2	.2	.7
09:00	230.5	226.9	222.2	222.6	35.7	22.9	20.8	2.7	3.8
10:00	226.3	224.6	220.6	220.6	21.1	15.1	10.8	5.3	7.5
11:00	230.0	229.6	227.1	225.2	27.9	20.7	18.0	4.6	6.0
12:00	215.3	216.7	204.5	211.8	25.9	21.6	17.8	5.6	6.7
13:00	214.4	214.3	207.2	209.9	30.2	23.2	18.1	5.7	7.5
14:00	229.9	228.9	225.2	223.7	29.8	25.3	21.6	5.7	7.2
15:00	260.6	257.6	255.8	252.8	27.8	17.2	13.3	3.7	5.6
16:00	236.9	236.1	233.6	231.7	26.2	20.6	17.9	4.6	6.2
17:00	221.7	218.9	213.8	214.7	22.4	17.8	14.5	5.0	6.9
18:00	240.3	236.7	237.1	232.2	20.1	13.3	9.3	4.4	7.0
19:00	245.4	245.4	238.3	240.7	16.6	11.9	10.0	3.3	5.1
20:00	238.7	238.0	252.3	233.2	48.0	8.6	5.0	.9	2.8
21:00	223.3	227.7	278.8	223.5	55.7	7.7	5.5	.6	2.7
22:00	252.6	224.6	302.6	220.9	18.2	20.5	16.9	.0	.7
23:00	304.9	249.1	281.8	244.4	9.0	43.3	12.7	.0	.8
Avg	241.0	230.0	242.0	226.0	29.5	20.1	13.8	.0	.0
Max	348.4	257.6	302.6	252.8	55.7	43.3	24.3	5.7	7.5
Hr. of Max	04	15	22	15	21	23	03	14	13
Min	62.0	51.9	48.0	36.3	8.9	7.7	5.0	.0	.1
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)

4/20/2017

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	4.4	.9	2.0	4.4	1.2	4.7	1.4	1.1	.03
01:00	3.3	.1	1.1	3.3	.5	3.5	2.2	-.3	.03
02:00	2.3	.2	.6	2.4	.8	2.6	1.8	.2	.03
03:00	.2	.2	1.3	.4	.6	.8	1.8	-.2	.02
04:00	1.2	.2	.7	1.2	.8	1.5	.8	-1.9	.02
05:00	5.5	2.7	4.4	6.0	3.1	6.2	-.5	-.4	-.07
06:00	2.7	.6	1.9	2.9	1.3	3.1	.7	-1.2	.01
07:00	1.9	.1	.3	2.0	.7	2.1	2.4	.2	.04
08:00	1.8	.3	.9	1.9	1.0	2.1	.9	-2.5	.00
09:00	4.4	3.0	3.9	4.5	3.5	5.0	3.6	2.8	-.01
10:00	9.1	5.6	7.8	9.3	6.3	9.9	-.1	-3.2	-.18
11:00	7.0	5.0	6.4	7.3	5.6	7.9	.6	-3.1	-.10
12:00	7.5	6.3	7.3	8.0	6.8	8.5	.0	-3.5	-.12
13:00	8.9	6.6	8.1	9.4	7.3	10.0	-.6	-3.0	-.21
14:00	8.5	7.3	9.1	10.7	7.8	11.1	.7	1.0	-.14
15:00	7.0	4.1	5.9	7.3	4.6	7.7	-.9	-2.3	-.26
16:00	7.6	5.0	6.6	7.9	5.4	8.5	2.9	1.2	-.02
17:00	8.4	5.3	7.2	8.6	6.0	9.2	.4	-.6	-.11
18:00	9.1	4.7	7.2	9.2	5.2	9.7	.2	.4	-.12
19:00	6.3	3.5	5.3	6.5	4.0	6.9	.0	1.3	-.10
20:00	4.6	1.0	2.9	4.7	1.6	4.9	-.7	1.3	-.02
21:00	3.6	.8	2.8	3.6	1.2	3.9	1.2	1.0	.02
22:00	1.8	.0	.7	1.9	.5	2.1	1.3	-.3	.02
23:00	3.4	.0	.9	3.7	.5	3.8	2.5	.6	.04
Avg	.0	2.6	4.0	5.3	3.2	5.7	.9	-.5	-.05
Max	9.1	7.3	9.1	10.7	7.8	11.1	3.6	2.8	.04
Hr. of Max	18	14	14	14	14	14	09	09	23
Min	.2	.0	.3	.4	.5	.8	-.9	-3.5	-.26
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/20/2017

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	.09	3.2	5.0	8.0	5.8	3.5	18.9	21.0
01:00	-.02	2.1	4.8	7.1	6.2	1.7	18.5	20.4
02:00	.01	1.8	2.3	5.7	5.5	2.2	18.2	19.6
03:00	.00	1.6	2.1	2.7	5.9	9.7	18.2	18.8
04:00	-.03	2.5	3.4	4.4	5.0	6.1	18.2	19.2
05:00	-.07	5.7	8.2	10.1	10.5	5.9	18.1	18.5
06:00	-.07	3.4	5.3	6.9	8.3	5.1	18.4	18.4
07:00	.01	1.4	3.2	6.0	8.0	5.4	18.3	18.6
08:00	-.12	2.3	3.7	4.1	21.0	9.9	19.1	18.7
09:00	-.01	8.2	10.5	11.9	20.8	17.7	20.2	19.5
10:00	-.64	12.8	15.8	16.9	15.8	9.2	21.3	20.6
11:00	-.53	11.4	13.7	14.2	17.9	13.1	22.9	22.2
12:00	-.62	13.7	20.4	18.3	16.2	14.1	24.3	23.5
13:00	-.59	17.9	20.8	20.8	16.7	13.8	25.8	24.9
14:00	-.08	20.6	20.6	28.6	16.2	14.0	25.3	24.7
15:00	-.34	13.5	17.4	32.1	17.8	9.8	22.7	22.1
16:00	.00	14.9	15.8	19.2	19.2	11.5	24.8	24.1
17:00	-.21	12.6	12.8	18.8	15.2	9.1	24.7	24.0
18:00	.00	14.2	16.3	18.3	14.3	7.0	24.5	24.1
19:00	.07	9.2	10.8	16.0	10.4	7.1	24.0	23.7
20:00	.11	6.0	8.2	10.3	9.7	2.7	21.8	22.6
21:00	.06	2.3	5.3	7.1	7.0	2.2	20.3	21.5
22:00	-.02	.7	2.7	7.8	7.6	5.2	19.6	20.9
23:00	.02	.9	4.1	6.9	13.1	6.1	19.3	21.1
Avg	-.12	7.6	9.7	12.6	12.3	8.0	21.1	21.4
Max	.11	20.6	20.8	32.1	21.0	17.7	25.8	24.9
Hr. of Max	20	14	13	15	08	09	13	13
Min	-.64	.7	2.1	2.7	5.0	1.7	18.1	18.4
Count	24	24	24	24	24	24	24	24
Total								