Date Printed: 03/24/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/23/2017

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	8.7	9.3	9.2	9.2	.52	.50	.50	-.02	-.03
01:00	8.1	8.6	8.5	8.5	.50	.46	.44	-.04	-.06
02:00	7.2	7.8	7.7	7.7	.59	.52	.52	-.06	-.07
03:00	5.8	7.0	7.0	7.1	1.15	1.20	1.28	.05	.13
04:00	4.9	6.3	6.4	6.6	1.35	1.48	1.64	.13	.29
05:00	4.4	5.9	6.1	6.3	1.51	1.68	1.83	.17	.32
06:00	3.2	5.2	5.4	5.7	1.96	2.22	2.49	.26	.54
07:00	3.3	4.6	5.0	5.4	1.36	1.78	2.18	.42	.81
08:00	5.0	5.5	5.4	5.5	.49	.46	.48	-.02	-.01
09:00	7.8	7.4	7.1	6.9	-.39	-.69	-.87	-.30	-.49
10:00	9.7	9.2	8.9	8.8	-.50	-.74	-.87	-.24	-.37
11:00	12.5	11.9	11.6	11.4	-.63	-.97	-1.10	-.34	-.47
12:00	14.4	13.6	13.2	13.1	-.81	-1.15	-1.30	-.34	-.49
13:00	15.9	15.1	14.7	14.5	-.89	-1.29	-1.44	-.39	-.55
14:00	17.8	16.9	16.6	16.4	-.88	-1.26	-1.40	-.38	-.52
15:00	18.8	18.1	17.7	17.6	-.75	-1.09	-1.22	-.35	-.47
16:00	19.1	18.5	18.2	18.0	-.56	-.89	-1.05	-.33	-.49
17:00	19.0	18.7	18.4	18.3	-.32	-.60	-.74	-.27	-.42
18:00	18.2	18.2	18.0	17.9	.02	-.17	-.25	-.19	-.27
19:00	17.4	17.7	17.7	17.7	.39	.33	.36	-.06	-.03
20:00	16.8	17.0	16.9	16.9	.23	.11	.10	-.11	-.12
21:00	15.6	16.0	15.9	15.9	.33	.27	.30	-.06	-.03
22:00	14.6	15.0	15.0	15.0	.44	.41	.46	-.03	.02
23:00	13.7	14.1	14.1	14.2	.42	.41	.48	-.01	.06
Avg	11.7	12.0	11.9	11.9	.23	.12	.12	-.10	-.11
Max	19.1	18.7	18.4	18.3	1.96	2.22	2.49	.42	.81
Hr. of Max	16	17	17	17	06	06	06	07	07
Min	3.2	4.6	5.0	5.4	-.89	-1.29	-1.44	-.39	-.55
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/23/2017

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	-8.2	-9.9	-2.6	12.1	29.8	25.2	2.6	2.3	0.002099
01:00	-8.1	-9.7	-2.7	11.9	31.4	26.8	2.6	2.3	0.002114
02:00	-7.2	-9.0	-2.4	11.7	35.7	30.0	2.8	2.4	0.002259
03:00	-7.0	-8.5	-2.7	11.4	39.8	32.9	2.8	2.5	0.002299
04:00	-7.0	-8.0	-3.0	11.2	42.4	35.5	2.9	2.6	0.002296
05:00	-6.4	-8.1	-2.8	11.0	45.7	36.3	3.0	2.6	0.002391
06:00	-5.6	-7.7	-2.7	10.8	53.0	39.6	3.2	2.7	0.002539
07:00	-5.6	-7.4	-2.6	10.6	52.8	41.7	3.2	2.8	0.002542
08:00	-5.3	-7.2	-1.9	10.4	48.0	40.0	3.2	2.8	0.002598
09:00	-5.9	-7.5	-1.4	10.2	37.8	34.5	3.1	2.7	0.002491
10:00	-6.2	-8.0	-.9	10.1	32.6	29.4	3.0	2.6	0.002443
11:00	-5.4	-6.9	.6	10.2	28.9	26.7	3.2	2.8	0.002617
12:00	-4.1	-5.7	2.1	10.5	28.1	26.3	3.5	3.1	0.002878
13:00	-1.5	-2.8	4.3	11.0	30.9	29.6	4.2	3.8	0.003504
14:00	.9	-.2	6.5	11.6	32.6	31.9	4.9	4.6	0.004168
15:00	2.0	1.1	7.6	12.1	33.2	32.7	5.3	5.0	0.004511
16:00	2.3	1.3	7.9	12.5	33.3	32.2	5.4	5.1	0.004606
17:00	2.0	1.1	7.7	12.8	32.8	31.4	5.3	5.0	0.004531
18:00	1.4	.6	7.0	13.1	33.1	31.2	5.1	4.8	0.004325
19:00	1.8	.7	7.0	13.2	35.7	32.4	5.3	4.9	0.004438
20:00	1.8	1.3	6.8	13.2	37.3	35.4	5.3	5.1	0.004449
21:00	2.3	1.9	6.8	13.1	41.4	39.3	5.5	5.3	0.0046
22:00	2.1	1.6	6.2	13.0	43.4	40.8	5.4	5.2	0.004504
23:00	1.6	1.2	5.7	12.9	44.5	41.9	5.2	5.1	0.004367
Avg	-2.7	-4.0	2.1	11.7	37.7	33.5	4.0	3.7	0.003315
Max	2.3	1.9	7.9	13.2	53.0	41.9	5.5	5.3	0.004606
Hr. of Max	21	21	16	20	06	23	21	21	16
Min	-8.2	-9.9	-3.0	10.1	28.1	25.2	2.6	2.3	0.002099
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/23/2017

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	0.001841	3.4	2.9	.00	29.42	996.2	-1.0	.00	51.7
01:00	0.00187	3.4	3.0	.00	29.41	995.9	-2.3	.00	57.0
02:00	0.001977	3.6	3.2	.00	29.41	995.8	-2.2	.00	65.5
03:00	0.002053	3.7	3.3	.00	29.40	995.6	-2.4	.00	65.5
04:00	0.002117	3.7	3.4	.00	29.40	995.5	-2.4	.00	71.2
05:00	0.002112	3.8	3.4	.00	29.40	995.6	-2.5	.00	55.6
06:00	0.002181	4.1	3.5	.00	29.42	996.2	-2.3	.00	57.9
07:00	0.002209	4.1	3.5	.00	29.44	997.0	3.9	.01	60.7
08:00	0.002245	4.2	3.6	.00	29.47	997.9	139.1	.20	67.2
09:00	0.002213	4.0	3.5	.00	29.48	998.3	367.1	.53	73.5
10:00	0.002126	3.9	3.4	.00	29.49	998.8	574.6	.82	93.6
11:00	0.002319	4.2	3.7	.00	29.50	999.0	727.6	1.04	144.9
12:00	0.002551	4.6	4.1	.00	29.49	998.7	808.4	1.16	169.4
13:00	0.003168	5.6	5.1	.00	29.47	998.2	797.9	1.14	171.5
14:00	0.003853	6.6	6.1	.00	29.44	997.1	840.9	1.21	165.7
15:00	0.004235	7.2	6.7	.00	29.42	996.4	625.5	.90	186.5
16:00	0.004294	7.3	6.8	.00	29.40	995.7	581.1	.83	180.6
17:00	0.004247	7.2	6.8	.00	29.39	995.3	291.0	.42	179.5
18:00	0.004088	6.9	6.5	.00	29.38	994.9	52.4	.08	187.9
19:00	0.004118	7.0	6.5	.00	29.38	995.0	12.8	.02	215.1
20:00	0.004286	7.1	6.8	.00	29.39	995.2	-2.9	.00	217.9
21:00	0.004457	7.3	7.1	.00	29.40	995.7	-3.0	.00	214.7
22:00	0.004348	7.2	6.9	.00	29.42	996.3	-2.4	.00	213.0
23:00	0.004223	6.9	6.7	.00	29.43	996.6	-2.0	.00	220.3
Avg	0.003047	5.3	4.9	.00	29.43	996.5	241.5	.35	133.0
Max	0.004457	7.3	7.1	.00	29.50	999.0	840.9	1.21	220.3
Hr. of Max	21	21	21	23	11	11	14	14	23
Min	0.001841	3.4	2.9	.00	29.38	994.9	-3.0	.00	51.7
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/23/2017

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	45.6	44.3	44.4	34.9	29.5	15.1	10.1	3.7	8.4
01:00	49.0	47.9	49.5	38.9	26.6	14.7	9.3	3.7	8.3
02:00	62.4	59.1	58.7	51.5	18.8	13.5	8.5	3.3	6.3
03:00	64.1	58.8	59.6	50.4	17.4	11.4	7.5	2.5	5.6
04:00	66.4	61.2	65.5	53.1	14.9	9.9	5.5	2.5	5.9
05:00	65.5	70.6	44.6	61.5	17.2	11.1	8.6	1.9	4.6
06:00	53.6	60.2	46.1	51.7	16.3	11.1	5.9	1.4	3.8
07:00	54.6	63.5	53.6	55.0	15.4	7.6	4.5	1.5	5.2
08:00	57.8	63.1	62.0	54.8	21.8	16.0	13.6	2.0	4.1
09:00	70.0	66.6	68.4	58.5	23.3	19.1	16.5	4.2	5.4
10:00	86.6	79.6	87.8	71.2	26.3	34.2	44.4	2.8	2.7
11:00	160.4	161.3	146.4	152.2	45.4	46.2	46.2	2.4	2.8
12:00	178.3	181.7	171.2	176.2	44.2	43.7	44.4	3.6	4.4
13:00	179.0	181.1	173.6	178.1	42.4	37.1	39.9	4.0	5.1
14:00	175.3	176.6	166.5	171.4	37.2	29.7	25.8	5.6	6.9
15:00	198.1	196.2	189.1	191.8	37.9	30.6	25.0	5.7	7.2
16:00	189.9	187.2	181.7	182.4	31.9	26.2	24.1	5.4	6.6
17:00	187.7	183.4	182.7	178.4	29.9	26.3	22.8	4.8	5.8
18:00	198.5	193.6	194.4	188.8	20.5	19.0	15.0	3.6	4.6
19:00	219.0	211.5	220.2	207.2	15.2	11.6	10.6	3.2	5.0
20:00	222.3	217.8	219.0	213.9	21.5	15.3	12.7	5.2	7.5
21:00	217.7	213.3	217.1	209.1	21.3	15.8	12.2	4.4	6.8
22:00	214.0	207.3	214.9	203.1	17.5	14.3	11.5	4.7	6.8
23:00	223.6	216.2	222.5	212.2	16.8	12.3	10.0	5.0	7.5
Avg	138.0	136.0	132.0	130.0	25.4	20.5	18.1	.0	.0
Max	223.6	217.8	222.5	213.9	45.4	46.2	46.2	5.7	8.4
Hr. of Max	23	20	23	20	11	11	11	15	00
Min	45.6	44.3	44.4	34.9	14.9	7.6	4.5	1.4	2.7
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)

3/23/2017

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	10.8	4.0	8.7	11.0	4.5	11.3	1.1	2.5	-.21
01:00	11.3	4.1	8.5	11.4	4.5	11.8	1.2	1.8	-.15
02:00	9.0	3.5	6.5	9.1	3.6	9.3	-.6	1.4	-.19
03:00	8.1	2.6	5.7	8.1	2.9	8.3	-.6	.6	-.12
04:00	8.6	2.6	6.0	8.7	2.9	8.9	-1.5	1.1	-.13
05:00	6.9	2.0	4.7	7.0	2.4	7.2	-2.7	2.6	-.19
06:00	6.3	1.5	3.9	6.4	1.7	6.5	-4.1	1.7	-.15
07:00	7.9	1.5	5.3	7.9	1.8	8.1	-1.2	.9	-.11
08:00	5.6	2.2	4.2	5.7	2.4	6.1	-2.4	4.3	-.14
09:00	6.4	4.6	5.7	6.7	5.1	7.2	-.2	5.4	-.23
10:00	2.3	3.0	3.0	2.6	3.4	3.1	-6.4	-7.7	-.41
11:00	3.1	3.3	3.7	3.9	4.0	4.5	3.4	5.7	.16
12:00	5.0	4.6	5.5	6.0	5.3	6.7	.6	.8	.01
13:00	5.9	5.5	6.8	7.4	6.3	8.1	4.1	2.2	.20
14:00	7.8	6.9	8.0	8.8	7.6	9.5	2.2	-.4	.15
15:00	8.4	7.1	8.4	9.3	7.8	9.9	.5	-2.1	-.06
16:00	7.5	6.1	7.3	8.1	6.8	8.6	3.5	.7	.19
17:00	6.6	5.7	6.7	7.4	6.3	8.0	-.1	-2.2	-.10
18:00	5.7	3.9	4.9	6.0	4.4	6.3	1.4	-2.5	.04
19:00	6.5	3.4	5.1	6.6	3.8	7.0	.1	-2.4	-.04
20:00	9.6	5.6	7.8	9.8	6.2	10.3	.8	-.8	-.06
21:00	8.9	4.7	7.0	9.1	5.2	9.6	3.6	-1.7	.17
22:00	8.8	4.9	7.0	8.9	5.4	9.4	2.3	-.9	.09
23:00	9.5	5.3	7.7	9.7	5.7	10.1	.3	-1.4	-.08
Avg	.0	4.1	6.2	7.7	4.6	8.2	.2	.4	-.06
Max	11.3	7.1	8.7	11.4	7.8	11.8	4.1	5.7	.20
Hr. of Max	01	15	00	01	15	01	13	11	13
Min	2.3	1.5	3.0	2.6	1.7	3.1	-6.4	-7.7	-.41
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/23/2017

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	.43	12.4	17.2	27.0	22.6	8.8	9.1	8.7
01:00	.29	13.1	23.6	26.6	21.2	7.7	8.5	8.0
02:00	.15	8.9	18.3	23.1	17.3	7.0	7.7	7.3
03:00	.04	15.1	18.1	23.1	16.9	5.0	6.9	6.7
04:00	.15	6.0	11.2	13.1	12.9	3.8	6.2	6.2
05:00	.29	5.5	10.3	19.2	14.2	5.9	5.9	5.9
06:00	.18	5.0	6.4	9.6	12.2	3.9	5.1	5.4
07:00	.11	4.8	7.8	14.4	14.6	3.2	4.6	5.1
08:00	.28	9.4	13.7	15.1	17.4	13.0	5.5	5.1
09:00	.43	10.8	15.1	20.4	19.5	16.8	7.4	6.5
10:00	-.31	12.1	11.7	13.3	22.7	28.9	9.2	8.5
11:00	.27	11.2	11.9	11.7	23.2	28.5	11.8	11.0
12:00	-.08	13.3	16.5	16.3	23.6	24.1	13.4	12.5
13:00	-.10	14.4	15.8	15.1	21.4	24.0	14.9	14.0
14:00	-.23	18.3	20.4	19.7	18.4	18.2	16.9	15.9
15:00	-.66	23.1	23.6	27.2	16.0	16.2	18.0	17.2
16:00	-.11	16.5	16.3	17.4	19.4	20.0	18.5	17.7
17:00	-.43	13.7	15.3	16.0	16.7	16.6	18.7	18.0
18:00	-.40	11.4	19.0	21.3	15.3	12.5	18.3	17.7
19:00	-.34	9.2	11.7	14.0	11.4	7.6	17.9	17.5
20:00	-.31	17.4	15.3	20.8	14.8	9.3	17.2	16.7
21:00	-.41	11.2	14.7	19.7	16.9	9.7	16.2	15.8
22:00	-.28	14.0	15.3	17.2	14.4	8.5	15.3	14.9
23:00	-.33	14.2	15.1	17.2	13.0	8.1	14.4	14.1
Avg	-.06	12.1	15.2	18.3	17.3	12.8	12.0	11.5
Max	.43	23.1	23.6	27.2	23.6	28.9	18.7	18.0
Hr. of Max	09	15	15	15	12	10	17	17
Min	-.66	4.8	6.4	9.6	11.4	3.2	4.6	5.1
Count	24	24	24	24	24	24	24	24
Total								