Date Printed: 02/16/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

2/15/2017

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	7.6	8.2	8.1	8.1	.60	.56	.55	-.04	-.05
01:00	7.2	7.8	7.7	7.7	.51	.45	.41	-.06	-.10
02:00	5.6	6.0	6.2	6.3	.35	.57	.64	.22	.29
03:00	5.0	5.1	5.0	5.0	.04	.00	-.03	-.04	-.07
04:00	5.0	5.0	4.9	4.8	.01	-.11	-.22	-.12	-.22
05:00	4.9	4.9	4.7	4.6	-.02	-.13	-.24	-.12	-.23
06:00	4.9	4.9	4.8	4.7	.00	-.08	-.17	-.07	-.17
07:00	5.0	4.9	4.9	4.8	-.03	-.09	-.15	-.06	-.13
08:00	5.3	5.1	5.0	4.9	-.15	-.27	-.37	-.12	-.22
09:00	6.0	5.7	5.5	5.4	-.27	-.47	-.59	-.20	-.32
10:00	7.4	7.0	6.7	6.6	-.47	-.71	-.85	-.24	-.38
11:00	8.7	8.2	8.0	7.8	-.47	-.70	-.82	-.23	-.36
12:00	9.6	8.8	8.4	8.3	-.85	-1.18	-1.31	-.33	-.46
13:00	9.0	8.6	8.3	8.2	-.45	-.72	-.88	-.27	-.43
14:00	10.3	9.5	9.1	8.9	-.79	-1.16	-1.32	-.37	-.53
15:00	10.5	9.7	9.4	9.3	-.73	-1.05	-1.17	-.32	-.44
16:00	10.1	9.6	9.3	9.1	-.58	-.88	-1.00	-.30	-.42
17:00	8.9	8.8	8.5	8.5	-.17	-.38	-.47	-.21	-.30
18:00	7.3	7.6	7.5	7.5	.25	.14	.12	-.11	-.14
19:00	5.8	6.6	6.7	6.7	.78	.83	.84	.05	.05
20:00	4.0	6.0	6.0	6.1	1.97	2.06	2.09	.09	.12
21:00	1.2	4.8	5.5	5.6	3.53	4.30	4.37	.78	.85
22:00	.1	3.4	4.7	4.9	3.28	4.56	4.77	1.29	1.49
23:00	.4	3.7	4.2	4.2	3.24	3.76	3.77	.52	.53
Avg	6.2	6.7	6.6	6.6	.40	.39	.33	-.01	-.07
Max	10.5	9.7	9.4	9.3	3.53	4.56	4.77	1.29	1.49
Hr. of Max	15	15	15	15	21	22	22	22	22
Min	.1	3.4	4.2	4.2	-.85	-1.18	-1.32	-.37	-.53
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/15/2017

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	-.2	-3.0	2.4	8.6	58.7	45.9	4.7	3.8	0.003887
01:00	.3	-1.7	2.6	8.6	62.0	52.0	4.9	4.2	0.004023
02:00	3.3	2.3	4.1	8.6	86.4	78.6	6.1	5.6	0.005001
03:00	4.3	4.2	4.5	8.5	95.8	95.0	6.5	6.4	0.005338
04:00	4.1	4.1	4.4	8.5	94.9	94.8	6.4	6.4	0.005272
05:00	4.2	4.2	4.4	8.4	96.0	96.3	6.4	6.4	0.005296
06:00	4.3	4.4	4.5	8.3	97.3	97.6	6.5	6.5	0.005363
07:00	4.5	4.5	4.6	8.2	97.4	97.6	6.5	6.5	0.005402
08:00	4.8	4.7	5.0	8.2	97.7	98.0	6.7	6.7	0.005536
09:00	4.8	4.5	5.2	8.2	93.2	92.9	6.7	6.6	0.005553
10:00	4.1	3.1	5.2	8.2	80.1	77.1	6.3	5.9	0.005268
11:00	1.7	.8	4.0	8.3	62.7	60.4	5.4	5.0	0.004484
12:00	-1.4	-2.8	2.3	8.5	46.7	44.8	4.3	3.9	0.003561
13:00	-2.8	-3.9	1.2	8.7	43.9	41.8	3.9	3.6	0.003223
14:00	-3.8	-5.1	.9	8.9	37.5	36.0	3.6	3.3	0.002987
15:00	-5.6	-6.8	-.2	9.1	32.5	31.1	3.1	2.9	0.00262
16:00	-5.6	-6.6	-.4	9.2	33.1	31.9	3.1	2.9	0.00261
17:00	-5.9	-6.7	-1.0	9.3	35.0	33.3	3.1	2.9	0.002537
18:00	-5.2	-5.9	-1.0	9.3	41.0	38.2	3.2	3.1	0.002669
19:00	-4.5	-5.6	-1.1	9.3	48.0	41.8	3.4	3.2	0.00281
20:00	-4.4	-6.7	-1.6	9.2	55.0	40.2	3.5	2.9	0.002822
21:00	-3.9	-7.1	-2.2	9.0	69.0	42.5	3.6	2.8	0.002914
22:00	-3.9	-6.6	-2.6	8.8	75.0	48.4	3.6	2.9	0.002915
23:00	-4.4	-7.0	-2.8	8.6	70.6	46.5	3.5	2.9	0.002806
Avg	-.5	-1.6	1.8	8.7	67.1	60.9	4.8	4.5	0.003954
Max	4.8	4.7	5.2	9.3	97.7	98.0	6.7	6.7	0.005553
Hr. of Max	09	08	10	19	08	08	09	08	09
Min	-5.9	-7.1	-2.8	8.2	32.5	31.1	3.1	2.8	0.002537
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/15/2017

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	0.00317	6.1	5.0	.00	28.85	977.1	-1.4	.00	41.0
01:00	0.003492	6.3	5.5	.00	28.84	976.6	-2.0	.00	62.8
02:00	0.004644	7.8	7.2	.09	28.85	977.0	-2.2	.00	17.2
03:00	0.005308	8.3	8.3	.11	28.83	976.3	-2.3	.00	102.7
04:00	0.005266	8.2	8.2	.13	28.83	976.5	-2.2	.00	122.7
05:00	0.005306	8.2	8.3	.07	28.82	975.8	-2.0	.00	77.3
06:00	0.005378	8.3	8.4	.01	28.80	975.2	-1.0	.00	46.3
07:00	0.005404	8.4	8.4	.00	28.81	975.8	1.6	.00	43.3
08:00	0.005491	8.6	8.5	.00	28.82	976.1	47.1	.07	209.3
09:00	0.00543	8.6	8.4	.00	28.83	976.2	195.0	.28	199.7
10:00	0.004907	8.2	7.6	.00	28.83	976.3	389.9	.56	216.3
11:00	0.004178	7.0	6.5	.00	28.85	977.0	380.7	.55	306.4
12:00	0.00322	5.6	5.0	.00	28.86	977.5	732.8	1.05	283.7
13:00	0.002971	5.0	4.6	.00	28.87	977.6	316.9	.45	339.0
14:00	0.002717	4.7	4.3	.00	28.86	977.5	690.5	.99	299.4
15:00	0.002392	4.1	3.7	.00	28.87	977.8	533.1	.76	299.3
16:00	0.002422	4.1	3.8	.00	28.89	978.3	354.6	.51	290.0
17:00	0.002391	4.0	3.8	.00	28.92	979.2	130.9	.19	274.0
18:00	0.002528	4.2	4.0	.00	28.94	980.2	2.1	.00	266.7
19:00	0.00259	4.4	4.1	.00	28.97	981.0	-2.2	.00	247.6
20:00	0.002379	4.4	3.7	.00	28.99	981.7	-2.3	.00	241.5
21:00	0.002307	4.6	3.6	.00	29.01	982.4	-2.4	.00	226.3
22:00	0.002383	4.6	3.8	.00	29.03	982.9	-2.5	.00	205.8
23:00	0.002329	4.4	3.7	.00	29.03	983.2	-2.4	.00	266.1
Avg	0.003692	6.2	5.8	.02	28.88	978.1	156.3	.23	279.0
Max	0.005491	8.6	8.5	.13	29.03	983.2	732.8	1.05	339.0
Hr. of Max	08	09	08	04	23	23	12	12	13
Min	0.002307	4.0	3.6	.00	28.80	975.2	-2.5	.00	17.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/15/2017

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	34.4	27.4	18.6	17.3	32.7	27.2	21.1	1.2	2.1
01:00	58.5	61.5	47.7	51.8	21.9	26.6	13.9	1.3	2.8
02:00	43.2	67.7	321.0	43.8	34.9	32.0	18.6	.3	1.5
03:00	115.6	115.6	97.1	106.8	31.3	28.4	20.0	2.1	3.1
04:00	135.6	134.8	131.4	128.3	33.0	31.6	26.4	1.4	2.1
05:00	86.6	88.1	71.7	79.0	27.5	21.0	17.5	2.2	3.0
06:00	42.0	45.7	30.1	35.6	30.7	20.4	17.7	1.5	3.2
07:00	36.3	47.5	5.9	36.7	28.7	21.4	13.4	1.0	2.3
08:00	265.3	289.3	233.8	280.6	32.3	21.3	31.4	.9	1.2
09:00	235.2	247.1	225.0	237.5	44.5	35.6	28.0	1.0	1.2
10:00	240.4	251.0	220.7	244.9	43.4	52.6	54.6	2.4	2.5
11:00	308.0	303.2	296.1	295.3	56.4	41.5	34.2	2.0	3.1
12:00	296.2	297.9	282.1 +	289.7	37.8	30.1	26.0	6.2	7.9
13:00	346.4	344.7	334.1	334.6	49.9	35.2	27.5	3.9	6.3
14:00	313.6	312.2	296.1	303.8	55.3	45.4	37.7	3.5	5.1
15:00	317.0	319.1	292.5	309.8	45.0	35.4	30.0	4.8	6.4
16:00	298.2	296.1	286.2	288.8	40.0	27.7	24.7	5.8	7.7
17:00	282.5	283.6	272.3	277.1	31.6	24.4	19.9	6.2	8.3
18:00	279.3	283.9	266.1	277.7	28.9	21.5	18.7	4.5	6.6
19:00	272.6	280.2	248.0	274.4	26.4	20.9	16.7	2.7	4.4
20:00	272.3	285.7	244.3	279.4	20.9	18.9	18.3	2.3	3.4
21:00	258.1	274.6	232.6	269.3	12.8	13.4	13.0	1.8	3.0
22:00	244.4	266.5	216.9	261.7	20.0	16.3	14.2	1.5	3.7
23:00	283.3	292.2	265.0	285.4	54.7	28.2	20.6	.8	2.6
Avg	305.0	312.0	282.0	305.0	35.0	28.2	23.5	.0	.0
Max	346.4	344.7	334.1	334.6	56.4	52.6	54.6	6.2	8.3
Hr. of Max	13	13	13	13	11	10	10	17	17
Min	34.4	27.4	5.9	17.3	12.8	13.4	13.0	.3	1.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/15/2017

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	2.7	1.6	2.5	3.1	1.9	3.4	-2.5	-.7	-.13
01:00	3.4	1.5	3.1	3.6	1.8	3.9	-2.0	1.7	-.10
02:00	2.1	1.5	3.0	3.3	1.9	3.7	.0	.0	-.06
03:00	3.9	2.7	3.7	4.4	3.1	4.9	3.7	3.1	.16
04:00	2.9	1.8	2.7	3.4	2.4	3.8	3.0	3.0	.12
05:00	3.7	2.7	4.0	4.6	3.1	4.8	2.6	1.4	.07
06:00	4.3	1.8	3.6	4.6	2.0	4.8	-.6	.4	-.07
07:00	3.1	1.3	2.7	3.4	1.8	3.6	1.1	3.9	-.01
08:00	1.1	1.0	1.4	1.3	1.7	1.6	4.6	7.4	.11
09:00	1.3	1.5	1.8	1.9	2.0	2.3	-1.6	-7.3	-.01
10:00	2.6	3.1	3.3	3.4	3.6	3.8	3.9	2.0	.13
11:00	4.2	3.5	4.6	5.5	4.0	6.1	1.9	5.3	-.19
12:00	9.0	7.3	8.9	9.8	7.7	10.4	-2.7	-5.2	-.70
13:00	7.9	5.3	7.6	9.1	5.9	9.8	-.1	-.8	-.35
14:00	6.1	5.1	6.8	7.7	5.9	8.4	-.7	3.0	-.36
15:00	7.4	6.2	7.7	8.4	6.8	9.2	-4.2	-.3	-.80
16:00	9.0	6.7	8.4	9.7	7.1	10.1	-2.9	-.3	-.66
17:00	10.0	6.9	8.9	10.5	7.4	10.9	-2.6	-2.0	-.55
18:00	8.4	5.0	7.0	8.8	5.5	9.1	-1.0	-2.5	-.26
19:00	6.1	3.0	4.7	6.3	3.5	6.6	.4	-1.4	-.04
20:00	4.8	2.5	3.6	5.0	2.9	5.2	.2	-1.0	-.02
21:00	4.4	1.8	3.1	4.5	2.2	4.7	-.3	-.1	-.02
22:00	4.8	1.6	3.9	5.0	2.1	5.3	.2	.4	.01
23:00	4.5	1.5	3.0	4.8	1.9	4.9	-.1	-2.7	-.04
Avg	.0	3.2	4.6	5.5	3.7	5.9	.0	.3	-.16
Max	10.0	7.3	8.9	10.5	7.7	10.9	4.6	7.4	.16
Hr. of Max	17	12	17	17	12	17	08	08	03
Min	1.1	1.0	1.4	1.3	1.7	1.6	-4.2	-7.3	-.80
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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2/15/2017

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	-.05	4.4	7.6	7.3	15.7	7.2	8.3	7.9
01:00	.11	5.0	6.4	7.1	15.6	9.0	7.9	7.5
02:00	.03	4.8	7.6	8.2	15.7	9.8	6.2	6.3 R
03:00	.30	8.2	9.4	11.0	14.7	12.3	5.5	5.1
04:00	.18	8.9	8.2	10.1	18.4	16.6	5.4	4.9
05:00	.09	6.4	8.0	8.5	15.4	10.8	5.3	4.7
06:00	.01	5.7	8.2	9.4	20.5	9.3	5.3	4.8
07:00	.22	4.8	9.4	8.5	16.3	10.2	5.4	5.0
08:00	.21	3.0	3.0	3.0	14.5	16.2	5.6	5.1
09:00	-.24	5.7	7.8	6.0	23.7	22.0	6.1	5.5
10:00	.07	8.5	9.8	8.9	22.9	23.5	7.3	6.6
11:00	.13	16.0	16.3	16.0	24.4	22.7	8.5	7.7
12:00	-1.31	21.1	21.8	21.1	20.0	17.1	8.8	7.8
13:00	-.40	18.1	22.9	20.8	22.1	16.2	8.7	7.8
14:00	-.09	16.5	16.9	20.6	24.6	22.8	9.4	8.5
15:00	-.62	23.4	25.0	25.9	21.5	21.9	9.7	8.9
16:00	-.64	18.1	21.3	21.1	18.5	17.6	9.6	8.8
17:00	-.66	19.0	23.1	22.2	16.9	13.5	8.8	8.1
18:00	-.66	16.3	16.9	23.6	17.1	13.4	7.7	7.2
19:00	-.32	9.6	11.0	19.2	16.3	12.6	6.8	6.5
20:00	-.21	7.3	9.6	11.0	12.8	12.2	6.1	5.9
21:00	-.07	4.6	6.4	10.3	7.7	10.1	4.7	5.4
22:00	-.02	3.9	8.2	10.3	11.6	10.6	3.4	4.7
23:00	-.44	6.6	9.8	14.2	20.2	14.6	3.7	4.0
Avg	-.18	10.2	12.3	13.5	17.8	14.7	6.8	6.4
Max	.30	23.4	25.0	25.9	24.6	23.5	9.7	8.9
Hr. of Max	03	15	15	15	14	10	15	15
Min	-1.31	3.0	3.0	3.0	7.7	7.2	3.4	4.0
Count	24	24	24	24	24	24	24	24
Total								