Date Printed: 03/14/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/13/2017

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	.0	2.6	3.8	4.6	2.62	3.81	4.60	1.19	1.98
01:00	-.9	1.6	3.0	3.9	2.52	3.86	4.80	1.34	2.27
02:00	-1.5	.5	2.0	3.6	1.99	3.45	5.05	1.46	3.06
03:00	-2.3	-.4	1.0	2.6	1.95	3.32	4.95	1.37	2.99
04:00	-2.6	-.5	2.4	3.1	2.18	5.05	5.77	2.88	3.60
05:00	-2.7	1.6	2.3	2.4	4.32	5.01	5.09	.69	.77
06:00	-2.2	.5	1.6	1.8	2.69	3.76	4.02	1.07	1.32
07:00	-2.3	-.8	.2	1.0	1.50	2.43	3.29	.93	1.78
08:00	-1.3	-.3	-.2	.2	.95	1.12	1.49	.17	.54
09:00	1.6	1.4	1.2	1.1	-.18	-.39	-.44	-.21	-.26
10:00	4.3	3.8	3.6	3.4	-.49	-.75	-.86	-.26	-.37
11:00	6.6	5.8	5.5	5.4	-.78	-1.08	-1.21	-.30	-.42
12:00	7.8	7.3	7.0	6.9	-.48	-.75	-.90	-.27	-.42
13:00	8.8	8.3	8.0	7.8	-.53	-.83	-.97	-.30	-.44
14:00	9.9	9.5	9.2	9.0	-.49	-.76	-.93	-.28	-.44
15:00	11.4	10.9	10.6	10.4	-.59	-.88	-1.01	-.30	-.42
16:00	11.2	10.9	10.7	10.5	-.24	-.51	-.63	-.26	-.39
17:00	9.7	9.7	9.5	9.5	-.02	-.20	-.27	-.18	-.25
18:00	6.0	6.0	5.9	5.9	-.04	-.13	-.17	-.09	-.13
19:00	5.6	5.5	5.4	5.3	-.12	-.24	-.32	-.12	-.20
20:00	5.5	5.4	5.3	5.2	-.10	-.20	-.27	-.10	-.18
21:00	5.2	5.2	5.1	5.0	-.01	-.10	-.18	-.09	-.17
22:00	4.8	4.7	4.6	4.6	-.05	-.14	-.23	-.09	-.18
23:00	4.2	4.1	4.0	3.9	-.08	-.20	-.30	-.12	-.22
Avg	3.6	4.3	4.7	4.9	.69	1.03	1.27	.34	.58
Max	11.4	10.9	10.7	10.5	4.32	5.05	5.77	2.88	3.60
Hr. of Max	15	16	16	16	05	04	04	04	04
Min	-2.7	-.8	-.2	.2	-.78	-1.08	-1.21	-.30	-.44
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/13/2017

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	-6.7	-7.5	-4.5	9.6	61.1	47.8	2.9	2.7	0.002332
01:00	-6.2	-6.5	-4.4	9.4	67.8	55.3	3.1	3.0	0.002432
02:00	-6.3	-6.3	-4.7	9.1	69.9	60.5	3.0	3.0	0.002402
03:00	-6.4	-6.5	-5.1	8.9	73.9	63.6	3.0	3.0	0.002386
04:00	-6.3	-6.9	-5.1	8.6	76.4	62.3	3.1	2.9	0.002414
05:00	-6.1	-4.0	-5.0	8.4	77.9	66.9	3.1	3.6	0.002449
06:00	-4.7	-3.4	-3.8	8.2	83.7	75.7	3.5	3.8	0.00273
07:00	-4.3	-3.7	-3.6	8.0	86.6	81.1	3.6	3.7	0.002812
08:00	-3.2	-2.8	-2.6	7.8	87.0	83.8	3.8	3.9	0.003042
09:00	-1.3	-1.8	-.4	7.6	81.6	80.2	4.4	4.2	0.003506
10:00	-.1	-1.0	1.4	7.5	73.8	71.3	4.8	4.5	0.003849
11:00	-.7	-1.5	1.8	7.6	60.5	60.2	4.5	4.3	0.003698
12:00	-1.6	-2.4	1.5	7.9	51.9	50.8	4.2	4.0	0.003454
13:00	-1.9	-2.8	1.7	8.2	47.5	46.2	4.1	3.9	0.003389
14:00	-1.1	-2.0	2.6	8.5	46.7	45.2	4.4	4.1	0.003605
15:00	-.6	-1.4	3.4	8.8	44.0	42.9	4.5	4.2	0.003767
16:00	-.3	-1.0	3.5	9.1	45.5	44.2	4.6	4.4	0.003827
17:00	.3	-.2	3.5	9.3	53.1	51.1	4.8	4.7	0.004021
18:00	4.3	4.2	4.9	9.4	89.3	89.3	6.4	6.4	0.005299
19:00	4.9	5.0	5.1	9.4	95.8	97.4	6.7	6.8	0.005523
20:00	5.1	5.0	5.2	9.3	97.8	98.0	6.8	6.8	0.005592
21:00	4.5	4.7	4.8	9.2	96.4	97.5	6.6	6.6	0.005391
22:00	4.1	4.2	4.3	8.9	96.2	97.0	6.4	6.4	0.005226
23:00	3.4	3.6	3.7	8.7	95.6	97.3	6.1	6.2	0.004972
Avg	-1.3	-1.5	.3	8.6	73.3	69.4	4.5	4.5	0.003672
Max	5.1	5.0	5.2	9.6	97.8	98.0	6.8	6.8	0.005592
Hr. of Max	20	20	20	00	20	20	20	20	20
Min	-6.7	-7.5	-5.1	7.5	44.0	42.9	2.9	2.7	0.002332
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/13/2017

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	0.002202	3.7	3.5	.00	29.27	991.3	-2.6	.00	79.1
01:00	0.002382	3.9	3.8	.00	29.27	991.1	-2.6	.00	77.7
02:00	0.002408	3.8	3.8	.00	29.26	991.0	-1.9	.00	80.3
03:00	0.002373	3.8	3.8	.00	29.26	990.9	-2.5	.00	104.4
04:00	0.002311	3.8	3.7	.00	29.25	990.4	-2.5	.00	219.9
05:00	0.002892	3.9	4.6	.00	29.25	990.4	-2.3	.00	241.0
06:00	0.003011	4.3	4.8	.00	29.26	990.9	-2.3	.00	229.2
07:00	0.002942	4.5	4.7	.00	29.26	991.0	-1.4	.00	63.6
08:00	0.003138	4.8	5.0	.00	29.26	990.8	65.6	.09	57.6
09:00	0.003399	5.6	5.4	.00	29.25	990.6	232.8	.33	71.1
10:00	0.003595	6.1	5.7	.00	29.25	990.7	412.4	.59	151.7
11:00	0.003484	5.9	5.5	.00	29.24	990.3	573.7	.82	223.2
12:00	0.003271	5.5	5.2	.00	29.22	989.4	355.6	.51	146.5
13:00	0.003183	5.4	5.0	.00	29.18	988.4	366.7	.53	156.4
14:00	0.003376	5.7	5.3	.00	29.14	986.7	362.4	.52	92.1
15:00	0.003529	5.9	5.6	.00	29.08	984.8	412.2	.59	152.2
16:00	0.003656	6.0	5.7	.00	29.05	983.7	120.8	.17	170.0
17:00	0.003871	6.3	6.1	.02	29.03	983.0	17.2	.02	231.7
18:00	0.005281	8.3	8.3	.13	29.03	983.2	12.0	.02	266.2
19:00	0.005571	8.7	8.7	.11	29.04	983.6	.3	.00	225.1
20:00	0.005563	8.8	8.7	.14	29.05	983.7	-2.5	.00	221.5
21:00	0.005447	8.5	8.5	.12	29.05	983.7	-2.1	.00	266.4
22:00	0.005253	8.2	8.2	.09	29.05	983.8	-2.2	.00	256.4
23:00	0.005033	7.8	7.9	.04	29.05	983.8	-2.5	.00	259.1
Avg	0.003632	5.8	5.7	.03	29.17	987.8	121.0	.17	175.0
Max	0.005571	8.8	8.7	.14	29.27	991.3	573.7	.82	266.4
Hr. of Max	19	20	20	20	01	00	11	11	21
Min	0.002202	3.7	3.5	.00	29.03	983.0	-2.6	.00	57.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/13/2017

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	45.3	59.4	76.3	50.7	20.9	12.2	6.7	.7	2.5
01:00	64.2	77.9	61.9	70.6	18.6	18.1	13.5	.6	1.0
02:00	56.5	86.3	63.3	77.5	19.1	11.8	6.9	1.0	2.2
03:00	53.7	134.1	290.5	126.8	39.0	18.0	18.2	.3	.2
04:00	247.2	247.0	242.5	242.3	28.1	12.7	6.3	.9	3.3
05:00	268.9	269.2	242.1	264.6	17.5	9.8	8.4	3.0	5.5
06:00	254.8	271.4	230.0	266.6	7.2	10.0	7.4	3.9	4.7
07:00	213.8	232.9	5.6	231.1	36.6	39.0	38.6	.4	.6
08:00	55.0	60.6	49.2	52.1	17.1	11.3	6.2	1.8	3.7
09:00	58.4	63.3	65.3	54.6	24.5	24.5	17.7	1.4	2.0
10:00	173.1	185.1	163.5	181.1	36.5	44.5	47.2	2.0	2.1
11:00	233.6	230.0	225.7	225.2	46.5	38.4	32.7	3.6	4.3
12:00	172.2	169.7	157.8	164.3	54.2	54.6	52.2	1.4	1.7
13:00	165.1	165.3	159.4 +	159.9	42.5	36.3	27.8	3.2	3.5
14:00	97.2	99.0	89.2	89.9	37.6	45.5	41.0	3.2	3.2
15:00	161.9	167.2	151.7	161.3	41.9	38.5	37.4	3.3	3.7
16:00	180.4	180.7	172.5	174.9	28.5	30.8	26.5	3.2	4.0
17:00	241.8	241.8	235.2	236.9	20.9	18.6	16.8	4.4	5.8
18:00	277.9	279.0	265.5	273.6	23.3	15.7	13.0	3.9	5.9
19:00	258.3	266.2	239.1	261.8	25.0	17.4	14.8	1.9	3.3
20:00	256.8	261.5	232.0	257.3	30.4	19.8	17.0	1.3	2.3
21:00	269.9	275.5	261.8	272.8	54.4	25.0	30.6	1.3	2.5
22:00	279.7	286.4	259.2	279.5	25.8	16.5	14.1	2.0	3.4
23:00	278.1	280.7	259.9	274.9	25.5	15.5	12.5	2.7	4.2
Avg	225.0	218.0	211.0	216.0	30.1	24.4	21.4	.0	.0
Max	279.7	286.4	290.5	279.5	54.4	54.6	52.2	4.4	5.9
Hr. of Max	22	22	03	22	21	12	12	17	18
Min	45.3	59.4	5.6	50.7	7.2	9.8	6.2	.3	.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/13/2017

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	4.7	.8	2.6	4.8	1.1	5.0	1.8	1.8	.03
01:00	1.7	.7	1.2	1.7	1.2	2.0	1.8	-.8	.04
02:00	3.0	1.1	2.3	3.1	1.3	3.3	1.3	1.9	.03
03:00	2.3	.7	1.8	3.8	1.2	4.1	1.4	1.0	.02
04:00	6.2	1.0	3.4	6.4	1.6	6.6	.7	.6	.01
05:00	7.9	3.1	5.6	8.0	3.5	8.2	1.3	.5	.06
06:00	6.1	4.0	4.8	6.1	4.4	6.3	.8	1.3	.05
07:00	.7	2.0	2.7	3.2	2.3	3.4	-.3	1.5	-.01
08:00	4.8	2.0	3.8	4.9	2.1	5.1	-3.5	-.7	-.15
09:00	2.4	1.6	2.3	2.5	1.9	2.8	1.7	2.3	.00
10:00	2.4	2.7	2.8	3.1	3.2	3.6	-1.0	-10.5	-.04
11:00	4.7	4.6	4.9	5.3	5.2	6.0	1.9	1.2	.02
12:00	2.1	2.8	3.2	3.3	3.3	3.9	-1.0	-1.3	-.12
13:00	4.2	4.2	4.5	5.0	4.9	5.5	3.3	2.4	.22
14:00	3.4	3.7	3.9	4.2	4.3	4.8	2.9	4.4	.11
15:00	4.1	5.0	5.2	5.5	5.5	6.1	2.4	1.8	.20
16:00	4.9	3.8	4.5	5.3	4.2	5.7	5.9	-.7	.29
17:00	6.6	5.1	6.5	7.4	5.5	7.8	-.8	.0	-.24
18:00	8.0	4.2	6.1	8.2	4.6	8.4	-.3	-.4	-.20
19:00	4.4	2.1	3.5	4.5	2.5	4.7	-.3	-.2	-.08
20:00	3.3	1.7	2.6	3.7	2.1	3.9	.1	.8	-.02
21:00	3.7	1.6	2.7	3.9	2.1	4.0	2.0	-.7	-.04
22:00	4.4	2.2	3.6	4.6	2.6	4.7	-.2	-2.8	-.11
23:00	5.3	2.9	4.3	5.5	3.3	5.6	1.0	-1.7	-.05
Avg	.0	2.7	3.7	4.8	3.1	5.1	1.0	.1	.00
Max	8.0	5.1	6.5	8.2	5.5	8.4	5.9	4.4	.29
Hr. of Max	18	17	17	18	17	18	16	14	16
Min	.7	.7	1.2	1.7	1.1	2.0	-3.5	-10.5	-.24
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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3/13/2017

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	.15	3.0	5.3	13.7	7.6	3.3	2.5	4.3
01:00	.00	3.7	3.4	3.9	8.0	6.3	1.6	3.6
02:00	.11	3.2	3.9	4.8	8.9	3.7	.5	3.3
03:00	-.01	3.9	6.2	11.2	11.9	9.5	-.4	2.5
04:00	.06	3.7	7.6	9.6	6.5	3.5	-.4	3.0
05:00	.01	6.2	10.5	15.3	8.9	6.2	1.7	2.3
06:00	.10	7.6	9.8	12.4	4.3	5.7	.6	1.8
07:00	.07	7.6	8.9	11.2	7.5	6.2	-.6	1.0
08:00	-.06	4.1	6.6	10.1	10.7	3.2	-.1	.1
09:00	.09	3.9	6.4	7.8	23.0	15.9	1.7	1.1
10:00	-.54	8.5	9.2	11.0	23.3	27.3	4.0	3.3
11:00	-.04	11.0	11.7	12.1	20.4	23.2	5.9	5.0
12:00	-.20	10.8	9.8	11.7	23.9	28.0	7.4	6.6
13:00	.17	12.1	11.4	14.4	20.2	24.0	8.3	7.5
14:00	.26	11.2	14.4	12.8	21.1	24.5	9.6	8.8
15:00	.11	12.8	13.1	14.7	18.3	20.0	11.0	10.2
16:00	-.22	13.1	15.3	13.7	18.6	17.4	11.1	10.3
17:00	-.11	13.5	17.2	18.1	12.8	9.9	9.9	9.3
18:00	-.22	21.8	25.9	30.7	15.7	9.7	6.5	6.0
19:00	-.11	8.9	19.7	19.2	16.5	9.5	5.9	5.4
20:00	-.04	7.1	7.1	8.0	14.4	10.9	5.9	5.4
21:00	-.16	5.7	10.1	11.4	17.6	12.7	5.6	5.1
22:00	-.29	7.1	8.5	9.6	15.2	8.6	5.2	4.7
23:00	-.23	9.8	10.8	12.1	16.6	8.8	4.5	4.0
Avg	-.05	8.3	10.5	12.5	14.7	12.4	4.5	4.8
Max	.26	21.8	25.9	30.7	23.9	28.0	11.1	10.3
Hr. of Max	14	18	18	18	12	12	16	16
Min	-.54	3.0	3.4	3.9	4.3	3.2	-.6	.1
Count	24	24	24	24	24	24	24	24
Total								