Date Printed: 04/12/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/11/2017

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	12.5	15.1	16.9	19.2	2.57	4.37	6.75	1.81	4.18
01:00	11.5	14.1	16.6	18.8	2.66	5.18	7.29	2.52	4.63
02:00	11.0	13.5	16.2	18.0	2.55	5.18	7.07	2.63	4.52
03:00	10.7	13.4	16.1	18.0	2.74	5.38	7.31	2.64	4.57
04:00	10.2	13.0	15.3	17.8	2.79	5.10	7.59	2.31	4.80
05:00	9.8	12.4	14.0	16.3	2.67	4.21	6.55	1.53	3.88
06:00	9.3	11.9	13.5	15.9	2.63	4.19	6.64	1.57	4.02
07:00	9.1	11.4	12.7	15.1	2.30	3.51	5.93	1.21	3.62
08:00	12.5	12.9	13.6	16.0	.36	1.09	3.44	.73	3.08
09:00	17.7	17.5	17.6	17.8	-.17	-.06	.15	.11	.31
10:00	20.9	20.3	20.0	19.9	-.57	-.89	-1.03	-.33	-.46
11:00	23.0	22.3	22.0	21.8	-.66	-1.03	-1.18	-.37	-.52
12:00	24.5	23.8	23.5	23.4	-.64	-.96	-1.11	-.32	-.46
13:00	25.9	25.0	24.7	24.5	-.89	-1.25	-1.42	-.35	-.52
14:00	26.5	25.8	25.4	25.3	-.73	-1.06	-1.17	-.34	-.44
15:00	26.8	26.2	25.9	25.8	-.61	-.91	-1.04	-.30	-.43
16:00	27.0	26.5	26.2	26.1	-.44	-.73	-.88	-.29	-.44
17:00	26.9	26.7	26.3	26.2	-.25	-.57	-.71	-.32	-.46
18:00	26.5	26.5	26.3	26.2	.04	-.21	-.32	-.24	-.36
19:00	25.3	25.7	25.6	25.7	.43	.34	.37	-.09	-.06
20:00	20.7	24.0	24.4	24.7	3.27	3.64	3.96	.38	.69
21:00	20.6	23.1	23.4	23.5	2.58	2.81	2.98	.23	.39
22:00	21.3	21.5	21.4	21.3	.23	.10	.07	-.13	-.16
23:00	19.8	20.1	20.0	20.0	.34	.24	.23	-.10	-.11
Avg	18.8	19.7	20.3	21.1	.97	1.57	2.39	.60	1.43
Max	27.0	26.7	26.3	26.2	3.27	5.38	7.59	2.64	4.80
Hr. of Max	16	17	18	18	20	03	04	03	04
Min	9.1	11.4	12.7	15.1	-.89	-1.25	-1.42	-.37	-.52
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/11/2017

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	6.5	6.9	8.5	16.2	67.5	59.1	7.4	7.5	0.006141
01:00	6.6	6.8	8.2	16.0	72.8	62.1	7.4	7.5	0.006188
02:00	6.7	7.0	8.1	15.8	75.6	65.7	7.5	7.6	0.006222
03:00	6.7	6.9	8.1	15.7	77.4	65.5	7.5	7.6	0.006251
04:00	6.8	6.7	7.9	15.5	80.3	66.6	7.6	7.5	0.006259
05:00	6.7	6.3	7.7	15.3	81.9	67.0	7.5	7.3	0.006217
06:00	6.5	6.4	7.4	15.2	83.8	70.0	7.4	7.3	0.006142
07:00	6.6	6.4	7.4	15.0	85.0	71.8	7.5	7.3	0.006179
08:00	7.8	6.5	9.3	14.8	73.8	66.0	8.0	7.4	0.006701
09:00	9.0	7.8	11.9	14.7	58.1	54.1	8.6	8.0	0.007329
10:00	9.0	7.8	13.0	14.7	47.5	45.3	8.6	7.9	0.007363
11:00	9.7	8.7	14.2	14.9	43.9	42.6	8.9	8.4	0.007735
12:00	10.4	9.3	15.1	15.2	42.2	40.6	9.3	8.7	0.008129
13:00	9.7	8.5	15.1	15.7	36.8	35.8	8.8	8.2	0.007745
14:00	10.1	8.9	15.5	16.3	36.6	35.3	9.1	8.4	0.007957
15:00	10.1	9.1	15.7	16.7	36.0	34.7	9.1	8.5	0.007993
16:00	9.6	8.7	15.4	17.1	34.6	33.2	8.8	8.3	0.007759
17:00	9.4	8.5	15.2	17.4	34.2	32.5	8.7	8.1	0.007638
18:00	9.1	8.3	14.9	17.6	34.3	32.4	8.5	8.0	0.007479
19:00	8.8	8.1	14.3	17.7	36.0	33.4	8.4	7.9	0.007319
20:00	9.7	8.4	13.3	17.7	50.1	37.9	8.9	8.2	0.0077
21:00	10.3	9.1	13.7	17.6	52.7	41.9	9.3	8.6	0.008019
22:00	11.2	11.0	14.5	17.5	53.6	52.4	9.8	9.8	0.008501
23:00	12.4	12.4	14.8	17.4	63.5	62.2	10.7	10.7	0.0092
Avg	8.7	8.1	12.1	16.2	56.6	50.3	8.5	8.1	0.007257
Max	12.4	12.4	15.7	17.7	85.0	71.8	10.7	10.7	0.0092
Hr. of Max	23	23	15	20	07	07	23	23	23
Min	6.5	6.3	7.4	14.7	34.2	32.4	7.4	7.3	0.006141
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/11/2017

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	0.006358	9.7	10.0	.00	29.29	991.9	-2.0	.00	75.5
01:00	0.006288	9.8	9.9	.00	29.28	991.7	-2.4	.00	81.9
02:00	0.006395	9.8	10.1	.00	29.28	991.6	-2.3	.00	86.3
03:00	0.006332	9.9	10.0	.00	29.28	991.5	-2.0	.00	102.0
04:00	0.006247	9.9	9.9	.00	29.28	991.4	-2.7	.00	137.0
05:00	0.00608	9.8	9.6	.00	29.28	991.6	-2.5	.00	227.3
06:00	0.00612	9.7	9.7	.00	29.30	992.2	-1.9	.00	98.8
07:00	0.006092	9.8	9.6	.00	29.32	992.8	35.2	.05	175.3
08:00	0.006147	10.6	9.7	.00	29.35	993.8	172.0	.25	141.2
09:00	0.006753	11.6	10.7	.00	29.35	993.9	352.8	.51	219.3
10:00	0.006772	11.6	10.7	.00	29.36	994.2	653.8	.94	226.0
11:00	0.007214	12.2	11.4	.00	29.36	994.2	755.9	1.08	219.1
12:00	0.007533	12.8	11.9	.00	29.34	993.6	789.5	1.13	207.1
13:00	0.007138	12.2	11.3	.00	29.31	992.8	856.4	1.23	215.7
14:00	0.007352	12.5	11.6	.00	29.29	991.9	788.5	1.13	188.6
15:00	0.00744	12.6	11.7	.00	29.26	991.0	727.0	1.04	186.5
16:00	0.007259	12.2	11.4	.00	29.24	990.1	540.1	.77	184.4
17:00	0.007158	12.0	11.3	.00	29.22	989.6	373.9	.54	180.3
18:00	0.007077	11.8	11.1	.00	29.22	989.5	156.3	.22	198.1
19:00	0.00696	11.5	10.9	.00	29.22	989.5	53.9	.08	213.0
20:00	0.007121	12.1	11.2	.00	29.23	989.7	-.7	.00	240.6
21:00	0.007455	12.6	11.7	.00	29.25	990.7	-3.1	.00	255.1
22:00	0.008429	13.4	13.3	.00	29.28	991.7	-1.8	.00	268.0
23:00	0.009198	14.5	14.5	.00	29.31	992.6	-1.2	.00	338.1
Avg	0.006955	11.4	11.0	.00	29.29	991.8	259.7	.37	188.0
Max	0.009198	14.5	14.5	.00	29.36	994.2	856.4	1.23	338.1
Hr. of Max	23	23	23	23	11	11	13	13	23
Min	0.00608	9.7	9.6	.00	29.22	989.5	-3.1	.00	75.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/11/2017

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	33.1	197.7	64.1	191.3	23.0	30.3	27.1	.4	.9
01:00	250.1	205.6	131.3	201.2	40.2	53.8	8.9	.3	.8
02:00	332.2	215.7	86.9	211.5	.9	31.5	11.9	.2	.2
03:00	276.2	270.3	173.7	265.6	15.2	27.3	11.1	.0	.8
04:00	232.0	250.8	196.7	245.9	28.0	14.8	10.3	.5	2.0
05:00	236.6	241.9	243.1	236.8	54.5	33.0	18.2	.4	1.0
06:00	312.3	227.2	233.6	223.4	29.2	35.2	11.3	.1	.3
07:00	232.1	222.2	231.3	218.1	36.0	46.8	16.8	.2	1.0
08:00	244.4	242.6	228.0	238.6	21.0	17.4	9.5	.0	.9
09:00	240.2	242.5	231.6	237.8	26.6	15.4	11.0	2.7	4.1
10:00	233.5	229.6	229.1	224.9	27.5	22.4	19.8	4.5	5.6
11:00	227.9	225.2	221.1	220.7	31.7	24.0	19.6	5.4	6.9
12:00	215.8	217.5	213.7	211.1	44.4	36.3	29.7	4.0	5.3
13:00	219.5	220.1	216.5	215.6	39.0	32.0	26.4	5.2	6.7
14:00	202.4	203.5	192.4	198.0	45.5	45.9	45.7	4.5	5.1
15:00	199.5	196.3	188.0	192.5	40.0	36.3	35.8	4.6	5.8
16:00	194.7	194.0	185.6	188.6	40.9	35.5	30.0	5.1	6.4
17:00	191.7	192.5	182.2	187.8	25.4	23.6	21.6	6.1	7.5
18:00	205.2	204.8	200.3	200.5	25.1	22.3	18.0	5.4	6.6
19:00	220.3	216.8	215.1	212.7	18.8	13.7	11.3	4.2	6.3
20:00	246.0	239.7	241.9	235.3	9.1	6.4	4.5	2.8	5.5
21:00	268.8	270.6	254.5	264.7	17.6	15.8	12.9	3.9	6.1
22:00	280.7	285.9	266.5	279.5	24.7	17.2	13.9	4.3	6.2
23:00	337.0	335.5	322.6	325.7	38.8	25.0	21.0	2.0	3.6
Avg	241.0	228.0	213.0	223.0	29.3	27.6	18.6	.0	.0
Max	337.0	335.5	322.6	325.7	54.5	53.8	45.7	6.1	7.5
Hr. of Max	23	23	23	23	05	01	14	17	17
Min	33.1	192.5	64.1	187.8	.9	6.4	4.5	.0	.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/11/2017

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	1.2	.5	1.1	1.5	.9	1.7	1.2	-1.5	.01
01:00	5.0	.4	1.1	5.1	.9	5.3	3.4	-1.3	.05
02:00	3.3	.2	.3	3.3	.6	3.6	2.6	-1.6	.03
03:00	4.6	.0	1.2	4.8	.5	4.9	3.1	1.2	.05
04:00	4.3	.7	2.1	4.4	1.1	4.7	2.1	.4	.04
05:00	2.3	.6	1.2	2.6	1.1	2.8	1.4	.5	.03
06:00	1.8	.1	.4	1.9	.7	2.1	3.0	-1.1	.04
07:00	1.9	.4	1.3	2.1	1.0	2.3	2.2	-.9	.04
08:00	2.5	.0	1.0	2.6	.8	2.8	1.3	-.1	.01
09:00	5.2	2.9	4.2	5.3	3.4	5.7	3.0	-.2	.07
10:00	6.3	5.0	6.0	6.6	5.4	7.1	.2	-1.8	-.11
11:00	8.0	6.2	7.6	8.4	6.8	9.1	.1	-3.8	-.19
12:00	6.2	5.4	6.5	7.1	6.1	7.9	.6	.0	-.03
13:00	7.8	6.6	7.9	8.9	7.2	9.6	3.1	-.4	.13
14:00	5.6	5.8	6.6	7.2	6.4	8.0	3.4	4.8	.21
15:00	6.7	6.0	7.1	7.9	6.8	8.6	-.4	2.7	-.10
16:00	7.6	6.4	7.4	8.5	7.3	9.1	4.2	-.1	.26
17:00	8.7	6.6	8.0	9.2	7.1	9.7	1.5	-.8	.04
18:00	8.1	5.9	7.1	8.5	6.4	9.0	3.4	-.4	.18
19:00	8.1	4.5	6.5	8.3	5.0	8.7	.4	-.6	-.06
20:00	7.9	2.9	5.5	7.9	3.2	8.3	1.0	.2	.04
21:00	8.3	4.3	6.7	9.1	4.6	9.3	-1.8	-1.5	-.24
22:00	8.2	4.6	6.5	8.4	5.1	8.5	-2.3	-2.9	-.42
23:00	5.1	2.7	4.4	6.1	3.2	6.4	-2.4	-.9	-.35
Avg	.0	3.3	4.5	6.1	3.8	6.5	1.4	-.4	-.01
Max	8.7	6.6	8.0	9.2	7.3	9.7	4.2	4.8	.26
Hr. of Max	17	17	17	17	16	17	16	14	16
Min	1.2	.0	.3	1.5	.5	1.7	-2.4	-3.8	-.42
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/11/2017

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	-.06	3.7	4.1	3.4	8.9	11.5	15.4	19.3
01:00	-.13	2.1	3.9	11.4	11.3	5.0	14.4	18.9
02:00	-.10	1.8	2.3	10.1	8.2	4.5	13.9	18.2
03:00	.09	1.1	4.1	8.0	12.3	5.6	13.7	18.1
04:00	.02	3.7	3.7	8.0	9.6	5.5	13.3	17.9
05:00	.03	3.0	7.1	7.8	7.9	5.5	12.8	16.6
06:00	-.04	1.6	4.6	8.7	7.9	3.8	12.2	16.1
07:00	-.03	2.1	2.5	4.6	7.0	3.4	11.8	15.4
08:00	.00	1.1	3.0	3.9	11.1	2.7	13.3	16.0
09:00	-.06	8.9	8.9	9.8	15.2	9.7	17.9	17.7
10:00	-.37	11.4	12.8	14.0	17.3	14.9	20.6	19.6
11:00	-.79	15.6	16.3	16.0	17.5	15.5	22.5	21.6
12:00	-.02	16.0	17.2	16.9	19.4	19.5	24.1	23.2
13:00	-.43	19.7	22.2	20.2	18.7	18.0	25.2	24.2
14:00	.41	17.2	22.2	21.1	19.9	21.6	25.9	25.1
15:00	.13	16.5	17.2	23.1	19.1	21.9	26.4	25.6
16:00	-.22	16.3	18.8	31.1	18.5	19.3	26.8	25.9
17:00	-.40	16.5	23.6	20.2	16.4	15.8	26.9	26.1
18:00	-.28	19.2	17.2	19.0	16.4	13.3	26.8	26.1
19:00	-.20	14.7	14.2	16.0	12.9	8.4	26.0	25.6
20:00	.02	6.6	10.5	12.4	6.3	3.5	24.4	24.7
21:00	-.35	12.1	14.9	20.4	11.4	8.6	23.6	23.6
22:00	-.60	12.8	13.3	20.8	17.1	11.0	22.1	21.6
23:00	-.30	13.1	17.4	19.5	21.4	13.7	20.9	20.4
Avg	-.15	9.9	11.8	14.4	13.8	10.9	20.0	21.1
Max	.41	19.7	23.6	31.1	21.4	21.9	26.9	26.1
Hr. of Max	14	13	17	16	23	15	17	18
Min	-.79	1.1	2.3	3.4	6.3	2.7	11.8	15.4
Count	24	24	24	24	24	24	24	24
Total								