Date Printed: 04/17/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/16/2017

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	18.2	21.0	21.1	21.2	2.77	2.90	3.04	.13	.27
01:00	17.4	20.6	20.9	20.9	3.18	3.43	3.50	.25	.32
02:00	16.2	19.2	20.0	20.4	2.96	3.80	4.18	.85	1.23
03:00	14.9	17.9	18.9	19.6	2.95	4.01	4.69	1.06	1.74
04:00	14.2	16.7	17.4	18.6	2.53	3.21	4.47	.68	1.94
05:00	13.6	16.0	16.8	18.1	2.37	3.17	4.49	.80	2.12
06:00	13.1	15.2	15.8	17.2	2.11	2.69	4.11	.58	2.00
07:00	12.9	14.7	16.1	17.0	1.80	3.24	4.14	1.44	2.35
08:00	17.5	17.9	18.1	18.2	.35	.54	.70	.19	.35
09:00	20.6	20.1	19.8	19.6	-.50	-.82	-.97	-.32	-.47
10:00	21.9	21.2	20.8	20.7	-.75	-1.13	-1.26	-.38	-.52
11:00	23.9	22.9	22.5	22.4	-.99	-1.35	-1.47	-.36	-.48
12:00	25.3	24.4	24.0	23.8	-.90	-1.29	-1.48	-.38	-.58
13:00	25.4	24.7	24.3	24.1	-.69	-1.08	-1.26	-.39	-.57
14:00	25.9	25.2	24.9	24.7	-.72	-1.06	-1.19	-.34	-.48
15:00	26.9	26.0	25.7	25.5	-.87	-1.25	-1.43	-.38	-.56
16:00	26.7	26.2	25.9	25.7	-.52	-.86	-1.04	-.34	-.52
17:00	26.7	26.2	25.9	25.8	-.48	-.81	-.96	-.33	-.48
18:00	26.3	26.1	25.8	25.7	-.21	-.49	-.62	-.29	-.41
19:00	24.7	25.1	25.0	25.0	.34	.27	.32	-.07	-.02
20:00	21.1	23.5	23.8	24.0	2.46	2.71	2.92	.26	.46
21:00	18.7	21.4	22.4	22.9	2.68	3.66	4.16	.98	1.48
22:00	17.6	20.1	20.7	22.0	2.53	3.13	4.45	.60	1.92
23:00	16.9	19.3	20.1	21.4	2.32	3.18	4.47	.86	2.15
Avg	20.3	21.3	21.5	21.9	1.03	1.24	1.58	.21	.55
Max	26.9	26.2	25.9	25.8	3.18	4.01	4.69	1.44	2.35
Hr. of Max	15	17	17	17	01	03	03	07	07
Min	12.9	14.7	15.8	17.0	-.99	-1.35	-1.48	-.39	-.58
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/16/2017

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	9.8	8.8	12.6	19.3	59.3	46.6	9.1	8.4	0.00776
01:00	10.3	9.6	12.7	19.1	64.0	50.3	9.4	8.9	0.007989
02:00	10.6	10.0	12.5	18.9	70.6	56.3	9.6	9.2	0.008183
03:00	10.6	10.1	12.1	18.7	76.7	61.2	9.7	9.2	0.008181
04:00	10.5	10.3	11.7	18.6	79.9	66.9	9.6	9.4	0.008116
05:00	10.6	10.4	11.6	18.4	82.9	70.7	9.7	9.5	0.008125
06:00	10.5	10.8	11.4	18.2	85.5	76.3	9.6	9.8	0.008094
07:00	10.6	10.7	11.4	18.0	87.5	78.4	9.7	9.7	0.008153
08:00	12.1	11.4	13.9	17.9	72.0	67.1	10.6	10.1	0.009014
09:00	12.3	11.8	15.1	17.8	60.3	59.8	10.7	10.3	0.009181
10:00	12.5	11.9	15.6	17.7	56.1	56.6	10.7	10.4	0.009277
11:00	12.6	12.0	16.4	17.9	50.6	51.3	10.8	10.3	0.009399
12:00	11.9	11.4	16.4	18.2	44.1	45.0	10.2	9.9	0.008961
13:00	11.5	11.0	16.1	18.7	42.8	43.3	10.0	9.7	0.008727
14:00	11.3	10.8	16.2	19.1	41.0	41.4	9.8	9.5	0.008636
15:00	10.7	10.2	16.1	19.4	37.2	37.8	9.4	9.1	0.008322
16:00	10.9	10.4	16.2	19.6	38.2	38.1	9.6	9.3	0.008459
17:00	11.0	10.6	16.3	19.8	38.5	38.3	9.6	9.4	0.008515
18:00	10.0	9.7	15.5	19.9	36.8	36.4	9.0	8.8	0.007971
19:00	9.9	9.4	14.8	20.0	40.0	38.0	9.0	8.7	0.007864
20:00	10.9	9.9	14.3	20.0	53.2	43.0	9.7	9.0	0.008359
21:00	11.0	10.5	13.6	19.9	62.1	50.8	9.8	9.4	0.00844
22:00	11.2	11.0	13.3	19.7	67.3	56.7	10.0	9.8	0.008527
23:00	11.3	11.2	13.2	19.6	70.7	60.5	10.1	9.9	0.008601
Avg	11.0	10.6	14.1	18.9	59.1	53.0	9.8	9.5	0.008452
Max	12.6	12.0	16.4	20.0	87.5	78.4	10.8	10.4	0.009399
Hr. of Max	11	11	12	20	07	07	11	10	11
Min	9.8	8.8	11.4	17.7	36.8	36.4	9.0	8.4	0.00776
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)

4/16/2017

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	0.007267	12.2	11.5	.00	29.29	991.8	-2.3	.00	235.2
01:00	0.007676	12.6	12.1	.00	29.28	991.5	-2.2	.00	260.7
02:00	0.007853	12.9	12.4	.00	29.27	991.2	-1.4	.00	205.3
03:00	0.007879	12.9	12.4	.00	29.26	990.9	-2.2	.00	214.9
04:00	0.007994	12.8	12.6	.00	29.26	990.8	-1.9	.00	67.8
05:00	0.008073	12.8	12.7	.00	29.27	991.3	-2.0	.00	78.4
06:00	0.008285	12.7	13.0	.00	29.29	992.0	-1.8	.00	56.4
07:00	0.008207	12.8	12.9	.00	29.31	992.6	42.9	.06	177.6
08:00	0.008608	14.2	13.6	.00	29.32	992.9	243.2	.35	226.1
09:00	0.008824	14.4	13.9	.00	29.32	992.9	455.1	.65	215.2
10:00	0.008933	14.6	14.1	.00	29.32	993.0	611.2	.88	223.7
11:00	0.008982	14.8	14.1	.00	29.31	992.7	796.8	1.14	220.0
12:00	0.008659	14.1	13.6	.00	29.28	991.7	789.3	1.13	215.1
13:00	0.008453	13.7	13.3	.00	29.27	991.1	543.2	.78	219.5
14:00	0.008345	13.6	13.1	.00	29.25	990.5	579.8	.83	229.5
15:00	0.008035	13.1	12.6	.00	29.22	989.7	747.6	1.07	210.3
16:00	0.008182	13.3	12.8	.00	29.20	988.9	472.3	.68	220.3
17:00	0.008244	13.3	12.9	.00	29.19	988.4	346.8	.50	221.4
18:00	0.007772	12.5	12.2	.00	29.18	988.1	223.0	.32	219.8
19:00	0.007617	12.3	12.0	.00	29.18	988.0	48.2	.07	209.6
20:00	0.00787	13.1	12.3	.00	29.18	988.3	.4	.00	251.4
21:00	0.008154	13.2	12.8	.00	29.19	988.6	-3.2	.00	60.7
22:00	0.008421	13.4	13.2	.00	29.21	989.1	-2.4	.00	70.6
23:00	0.008527	13.5	13.4	.00	29.20	988.9	-2.1	.00	73.7
Avg	0.008203	13.3	12.9	.00	29.25	990.6	244.9	.35	208.0
Max	0.008982	14.8	14.1	.00	29.32	993.0	796.8	1.14	260.7
Hr. of Max	11	11	11	23	10	10	11	11	01
Min	0.007267	12.2	11.5	.00	29.18	988.0	-3.2	.00	56.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/16/2017

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	222.3	205.9	239.6	201.2	21.5	14.4	12.2	2.9	4.8
01:00	241.0	221.2	259.6	216.8	23.0	15.1	12.9	1.9	3.6
02:00	245.4	244.8	233.9	240.3	30.2	10.5	6.0	1.3	2.6
03:00	222.3	240.2	239.0	235.6	32.1	5.2	5.3	1.4	3.8
04:00	253.3	253.1	66.1	248.2	33.0	16.1	6.8	.1	1.0
05:00	26.7	225.0	258.7	218.3	42.9	42.3	23.3	.2	.1
06:00	69.4	168.7	38.0	158.5	11.7	12.0	33.3	.3	.9
07:00	233.5	225.2	229.3	221.0	30.0	26.4	9.6	.8	1.9
08:00	233.9	227.2	230.5	223.3	32.0	12.0	9.6	4.0	7.2
09:00	223.5	221.9	216.7	217.7	24.2	18.7	13.9	6.6	9.1
10:00	229.6	227.2	225.2	222.9	25.8	19.9	15.4	6.3	8.1
11:00	232.9	232.5	221.4	227.7	25.4	22.7	18.1	6.5	8.1
12:00	222.9	221.5	215.6	216.7	27.7	22.2	19.4	7.5	9.8
13:00	223.3	221.4	219.2	217.0	28.2	21.8	19.0	7.7	10.4
14:00	232.4	230.1	229.9	226.1	24.9	20.1	16.1	8.1	11.0
15:00	216.4	214.8	210.5	211.0	26.8	20.5	17.3	8.8	11.3
16:00	224.8	220.9	219.7	216.7	25.8	22.7	17.0	7.7	10.5
17:00	224.3	221.2	221.3	216.9	26.4	20.4	17.6	7.6	10.2
18:00	223.7	219.3	220.9	215.5	21.3	16.3	12.5	8.1	11.0
19:00	215.9	212.4	212.6	208.1	22.3	15.9	11.9	3.2	5.5
20:00	225.0	210.2	253.8	206.1	20.3	10.0	7.7	1.5	3.4
21:00	266.9	226.6	356.6	221.8	14.6	31.6	8.2	.1	.8
22:00	78.6	235.7	5.9	230.9	10.3	43.1	9.2	.1	.4
23:00	84.2	236.7	255.0	232.1	11.1	32.8	6.2	.1	.1
Avg	227.0	223.0	235.0	219.0	24.6	20.5	13.7	.0	.0
Max	266.9	253.1	356.6	248.2	42.9	43.1	33.3	8.8	11.3
Hr. of Max	21	04	21	04	05	22	06	15	15
Min	26.7	168.7	5.9	158.5	10.3	5.2	5.3	.1	.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/16/2017

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	6.6	3.1	5.0	6.7	3.5	7.1	-1.3	-3.0	-.14
01:00	4.9	2.1	3.8	5.2	2.4	5.5	-.4	-2.1	-.05
02:00	4.6	1.3	2.7	4.6	1.8	4.9	1.8	.0	.04
03:00	4.4	1.4	3.9	4.4	1.8	4.7	2.1	1.4	.05
04:00	3.0	.1	1.1	3.1	.5	3.3	1.9	.7	.02
05:00	1.8	.3	.5	2.1	.8	2.3	1.2	-1.0	.01
06:00	.8	.3	.9	.9	.6	1.3	.5	-.8	.01
07:00	4.2	1.0	2.0	4.3	1.6	4.5	2.7	-.1	.07
08:00	9.6	4.3	7.3	9.8	4.8	10.3	.7	-1.2	-.01
09:00	11.0	7.1	9.5	11.3	7.9	12.1	2.3	-1.1	.08
10:00	9.2	6.9	8.5	9.5	7.6	10.2	.3	-2.4	-.17
11:00	9.1	7.1	8.6	9.5	7.8	10.3	1.7	.8	-.01
12:00	11.4	8.7	10.8	12.4	9.6	13.2	.3	-.2	-.20
13:00	12.4	8.6	11.2	13.1	9.3	13.9	.5	.6	-.22
14:00	13.3	8.9	11.6	13.8	9.8	14.6	-.3	-2.3	-.30
15:00	13.8	9.8	12.2	14.5	10.3	15.3	1.4	-2.5	-.01
16:00	13.2	8.5	11.2	13.7	9.3	14.7	3.1	-.2	.14
17:00	12.1	8.4	10.9	12.7	9.0	13.4	1.6	1.2	-.04
18:00	13.2	8.8	11.6	13.6	9.5	14.3	-.7	-1.7	-.33
19:00	7.6	3.5	5.7	7.8	4.0	8.2	2.2	-.3	.09
20:00	5.3	1.7	3.5	5.3	2.0	5.6	-.9	-1.4	-.05
21:00	2.8	.2	1.0	3.0	.5	3.2	2.0	.3	.03
22:00	2.5	.1	.4	2.6	.5	2.7	1.7	-.5	.02
23:00	2.8	.2	.3	2.8	.5	3.0	2.2	-.7	.03
Avg	.0	4.3	6.0	7.8	4.8	8.3	1.1	-.7	-.04
Max	13.8	9.8	12.2	14.5	10.3	15.3	3.1	1.4	.14
Hr. of Max	15	15	15	15	15	15	16	03	16
Min	.8	.1	.3	.9	.5	1.3	-1.3	-3.0	-.33
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/16/2017

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	8.2	10.3	11.7	10.9	8.7	21.5	21.4
01:00	-.26	6.2	16.9	16.5	13.5	9.1	21.0	21.1
02:00	.00	3.2	5.5	8.9	6.5	3.9	19.7	20.6
03:00	.11	5.3	6.6	10.1	9.6	2.9	18.4	19.9
04:00	.05	2.3	7.8	8.5	7.9	2.7	17.2	19.0
05:00	-.04	3.0	2.1	6.0	8.8	6.3	16.6	18.4
06:00	-.02	1.8	2.1	3.7	7.5	11.7	15.8	17.6
07:00	.00	3.4	4.1	10.1	5.5	2.9	15.3	17.3
08:00	-.28	13.3	15.6	16.5	14.1	6.8	18.5	18.4
09:00	-.45	19.0	21.3	21.5	16.9	11.6	20.6	19.7
10:00	-.58	17.9	18.3	17.6	16.0	12.0	21.7	20.7
11:00	-.21	20.8	22.7	23.6	17.0	16.4	23.3	22.4
12:00	-.24	20.6	30.5	24.3	16.9	14.0	24.7	23.7
13:00	-.18	21.8	23.1	23.8	16.6	13.1	25.0	24.0
14:00	-.86	22.9	23.1	26.3	15.8	11.2	25.5	24.5
15:00	-.83	23.4	24.3	33.0	16.4	10.3	26.3	25.2
16:00	-.39	20.8	23.1	25.0	17.7	11.9	26.5	25.5
17:00	-.07	24.5	25.0	24.0	16.8	13.8	26.6	25.7
18:00	-.62	21.1	22.7	24.5	14.7	10.1	26.4	25.6
19:00	-.12	13.5	31.4	26.3	14.9	8.7	25.5	25.1
20:00	-.15	5.7	9.4	11.4	7.5	5.0	24.0	24.1
21:00	-.01	1.4	3.9	6.9	8.2	6.0	21.8	23.1
22:00	-.02	1.1	3.0	4.8	8.2	4.9	20.6	22.3
23:00	-.04	1.6	2.1	4.8	6.3	3.4	19.9	21.7
Avg	-.24	11.8	14.8	16.2	12.3	8.6	21.8	22.0
Max	.11	24.5	31.4	33.0	17.7	16.4	26.6	25.7
Hr. of Max	03	17	19	15	16	11	17	17
Min	-.86	1.1	2.1	3.7	5.5	2.7	15.3	17.3
Count	24	24	24	24	24	24	24	24
Total								