Date Printed: 06/24/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/23/2017

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	22.3	22.6	22.8	23.0	.31	.50	.66	.20	.35
01:00	22.1	22.5	22.6	22.8	.38	.51	.70	.13	.31
02:00	22.2	22.4	22.4	22.5	.20	.20	.27	.00	.07
03:00	22.2	22.5	22.5	22.6	.30	.33	.39	.03	.08
04:00	22.4	22.6	22.6	22.8	.20	.25	.40	.05	.19
05:00	22.6	22.7	22.7	22.7	.09	.06	.13	-.03	.04
06:00	22.4	22.4	22.5	22.6	.08	.10	.20	.02	.12
07:00	22.6	22.7	22.8	23.0	.14	.20	.37	.06	.22
08:00	22.4	22.5	22.4	22.5	.07	.03	.11	-.04	.04
09:00	22.6	22.5	22.4	22.5	-.07	-.15	-.11	-.08	-.04
10:00	23.1	23.0	23.0	23.0	-.02	-.08	-.03	-.06	-.01
11:00	25.0	24.6	24.4	24.3	-.34	-.56	-.61	-.22	-.27
12:00	27.2	26.8	26.5	26.5	-.44	-.69	-.74	-.25	-.30
13:00	27.9	27.5	27.3	27.2	-.40	-.63	-.68	-.23	-.27
14:00	28.6	28.2	27.9	27.9	-.42	-.65	-.69	-.23	-.27
15:00	29.0	28.7	28.4	28.4	-.34	-.57	-.61	-.23	-.27
16:00	29.7	29.3	29.1	29.0	-.39	-.65	-.73	-.26	-.34
17:00	28.8	28.7	28.6	28.6	-.03	-.16	-.16	-.14	-.13
18:00	26.6	26.7	26.8	26.9	.16	.21	.30	.05	.14
19:00	23.3	23.3	23.3	23.3	.01	-.03	.03	-.04	.02
20:00	23.2	23.2	23.2	23.2	.02	-.03	.01	-.05	-.01
21:00	23.0	23.0	23.0	23.1	.02	-.02	.06	-.04	.03
22:00	23.0	23.1	23.1	23.1	.06	.04	.11	-.02	.05
23:00	22.9	22.9	22.8	22.9	.00	-.07	-.01	-.08	-.02
Avg	24.4	24.4	24.3	24.4	-.02	-.08	-.03	-.06	-.01
Max	29.7	29.3	29.1	29.0	.38	.51	.70	.20	.35
Hr. of Max	16	16	16	16	01	01	01	00	00
Min	22.1	22.4	22.4	22.5	-.44	-.69	-.74	-.26	-.34
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/23/2017

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	21.6	22.0	21.8	23.6	98.2	99.0	19.0	19.4	0.016769
01:00	21.3	21.9	21.6	23.6	98.1	99.3	18.7	19.3	0.016529
02:00	21.5	21.9	21.7	23.6	98.1	99.4	18.8	19.3	0.016668
03:00	21.4	22.0	21.7	23.5	98.0	99.5	18.8	19.4	0.016636
04:00	21.6	22.0	21.8	23.5	98.0	99.4	19.0	19.4	0.016811
05:00	21.7	22.0	22.0	23.4	97.3	98.7	19.1	19.4	0.016945
06:00	21.4	21.7	21.7	23.4	96.7	98.3	18.7	19.1	0.016582
07:00	21.4	21.7	21.8	23.3	95.6	96.3	18.8	19.1	0.016633
08:00	21.1	21.4	21.6	23.3	95.1	96.3	18.5	18.8	0.016342
09:00	21.4	21.7	21.8	23.3	95.6	97.8	18.7	19.1	0.016614
10:00	21.0	20.9	21.7	23.2	90.4	90.1	18.2	18.2	0.016174
11:00	21.5	20.9	22.6	23.3	83.5	82.3	18.7	18.1	0.016725
12:00	20.9	20.4	23.0	23.3	70.6	69.9	18.0	17.4	0.016178
13:00	20.3	19.9	22.8	23.6	64.9	65.1	17.2	16.9	0.015545
14:00	19.9	19.7	22.8	23.8	61.3	61.7	16.9	16.6	0.01527
15:00	19.7	19.4	22.8	24.0	58.8	59.1	16.5	16.3	0.015016
16:00	19.6	19.3	23.0	24.2	56.1	56.4	16.4	16.2	0.014964
17:00	19.2	19.1	22.4	24.3	57.8	57.7	16.1	16.0	0.014576
18:00	19.6	19.5	21.9	24.4	68.3	67.2	16.6	16.5	0.014986
19:00	22.0	22.5	22.5	24.4	95.3	98.0	19.4	20.0	0.017383
20:00	22.2	22.6	22.5	24.4	96.8	99.0	19.6	20.1	0.017556
21:00	22.2	22.4	22.5	24.3	98.0	99.2	19.7	19.9	0.017524
22:00	22.2	22.5	22.5	24.2	98.0	99.2	19.7	20.0	0.017512
23:00	22.1	22.3	22.4	24.2	98.0	99.4	19.5	19.8	0.017384
Avg	21.1	21.2	22.2	23.8	86.2	87.0	18.4	18.5	0.016388
Max	22.2	22.6	23.0	24.4	98.2	99.5	19.7	20.1	0.017556
Hr. of Max	22	20	16	20	00	03	22	20	20
Min	19.2	19.1	21.6	23.2	56.1	56.4	16.1	16.0	0.014576
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/23/2017

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	0.017226	25.8	26.5	.02	29.07	984.6	-2.5	.00	201.5
01:00	0.017136	25.5	26.4	.04	29.06	984.0	-2.6	.00	80.2
02:00	0.017096	25.7	26.3	.06	29.04	983.5	-2.5	.00	192.9
03:00	0.017198	25.6	26.4	.03	29.03	983.0	-2.6	.00	251.5
04:00	0.017255	25.9	26.5	.02	29.02	982.7	-2.3	.00	225.2
05:00	0.017272	26.1	26.6	.07	29.02	982.8	-2.4	.00	211.2
06:00	0.016942	25.5	26.1	.02	29.03	983.0	.2	.00	219.6
07:00	0.01691	25.6	26.0	.00	29.03	983.0	21.5	.03	218.9
08:00	0.016623	25.2	25.6	.13	29.03	983.1	28.0	.04	213.4
09:00	0.016923	25.6	26.0	.00	29.03	983.2	117.2	.17	208.6
10:00	0.01611	24.9	24.8	.00	29.03	983.2	151.5	.22	213.1
11:00	0.016149	25.7	24.9	.00	29.02	982.8	516.2	.74	217.7
12:00	0.015609	24.9	24.0	.00	29.00	982.0	686.0	.98	214.4
13:00	0.015228	23.9	23.4	.00	28.97	981.2	534.6	.77	208.7
14:00	0.014991	23.5	23.1	.00	28.94	980.1	619.5	.89	203.5
15:00	0.014808	23.1	22.8	.00	28.91	979.0	501.7	.72	200.4
16:00	0.014697	23.0	22.6	.00	28.88	978.0	483.9	.69	201.5
17:00	0.014537	22.4	22.3	.00	28.85	977.1	155.3	.22	205.7
18:00	0.014907	23.0	22.9	.03	28.84	976.7	26.9	.04	220.4
19:00	0.017898	26.6	27.3	.14	28.87	977.8	30.4	.04	230.5
20:00	0.017967	26.9	27.5	.20	28.90	978.7	4.6	.01	226.2
21:00	0.017777	26.9	27.2	.00	28.94	980.2	-2.5	.00	231.0
22:00	0.017806	26.9	27.3	.01	28.99	981.6	-2.6	.00	239.4
23:00	0.017634	26.7	27.1	.00	29.00	982.1	-2.6	.00	220.8
Avg	0.016529	25.2	25.4	.03	28.98	981.4	160.6	.23	214.0
Max	0.017967	26.9	27.5	.20	29.07	984.6	686.0	.98	251.5
Hr. of Max	20	22	20	20	00	00	12	12	03
Min	0.014537	22.4	22.3	.00	28.84	976.7	-2.6	.00	80.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/23/2017

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	241.6	228.9	246.2	224.2	51.6	16.6	10.7	.9	2.7
01:00	238.6	205.0	310.9	200.2	47.9	20.2	14.1	.2	1.0
02:00	226.8	217.6	229.3	213.1	59.7	26.4	18.2	1.1	2.5
03:00	242.0	220.2	260.0	215.5	41.1	15.9	14.2	1.7	3.0
04:00	230.2	218.7	232.5	214.2	28.8	13.0	10.3	2.1	4.4
05:00	218.5	211.9	215.2	207.2	28.9	18.1	14.0	4.4	7.1
06:00	223.7	216.7	221.0	212.2	24.1	15.1	11.0	4.6	8.2
07:00	223.5	216.2	220.9	212.1	28.4	15.6	11.6	3.8	7.0
08:00	221.2	215.4	217.5	211.0	25.4	16.6	12.5	4.5	7.3
09:00	219.0	212.8	212.8	208.2	27.3	18.4	14.1	3.8	6.3
10:00	219.4	216.5	214.5	212.0	27.5	19.1	14.1	4.4	7.2
11:00	226.5	223.0	221.0	218.7	28.7	20.6	16.0	4.9	7.3
12:00	224.6	220.3	216.4	216.1	29.8	21.1	16.0	7.6	11.0
13:00	214.5	211.2	208.1	206.9	29.1	23.2	17.2	7.8	11.1
14:00	211.4	206.6	203.9	202.4	25.5	21.3	17.2	8.7	11.8
15:00	209.1	205.8	200.8	201.5	29.2	24.2	18.6	8.1	11.3
16:00	210.8	206.8	202.7	202.3	28.5	22.4	18.3	9.3	12.6
17:00	211.4	206.8	205.7	202.5	27.9	20.7	15.7	8.7	12.6
18:00	223.8	218.9	220.2	214.7	23.3	16.7	13.1	9.0	13.8
19:00	234.3	231.1	230.2	227.0	22.6	14.9	12.0	8.2	12.6
20:00	231.3	228.0	226.4	223.9	26.9	21.0	15.8	7.3	11.2
21:00	236.0	232.5	230.9	228.8	22.3	12.4	8.4	5.4	9.2
22:00	246.2	241.7	241.0	237.6	20.8	12.6	9.1	4.1	7.1
23:00	228.6	222.9	225.6	219.0	25.2	12.6	8.8	2.6	5.2
Avg	225.0	218.0	224.0	213.0	30.4	18.3	13.8	.0	.0
Max	246.2	241.7	310.9	237.6	59.7	26.4	18.6	9.3	13.8
Hr. of Max	22	22	01	22	02	02	15	16	18
Min	209.1	205.0	200.8	200.2	20.8	12.4	8.4	.2	1.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/23/2017

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	4.5	1.3	2.9	4.7	1.6	5.0	-.9	-1.2	-.09
01:00	2.8	.3	1.1	3.0	.9	3.3	2.6	-1.5	.03
02:00	4.1	1.4	2.9	4.4	2.0	4.7	.0	-1.0	-.07
03:00	4.1	1.7	3.1	4.3	2.1	4.5	-2.5	-2.4	-.15
04:00	6.7	2.3	4.5	6.8	2.8	7.1	-.9	-1.8	-.12
05:00	9.7	4.8	7.4	10.0	5.3	10.3	.8	-1.6	-.13
06:00	11.1	5.0	8.5	11.3	5.7	11.7	-1.0	-1.8	-.24
07:00	10.2	4.2	7.3	10.4	4.7	10.8	-.3	-.4	-.16
08:00	9.8	4.8	7.6	10.1	5.3	10.4	.4	-.4	-.17
09:00	8.6	4.1	6.5	8.9	4.7	9.2	1.9	-.6	-.10
10:00	10.0	4.8	7.6	10.3	5.4	10.9	2.0	-.3	-.03
11:00	9.1	5.4	7.7	9.4	6.0	10.0	2.3	-1.2	-.05
12:00	13.9	8.4	11.7	14.5	9.3	15.3	.9	-.2	-.18
13:00	14.1	8.8	11.9	14.8	9.6	15.6	.1	.9	-.23
14:00	14.9	9.6	12.6	15.5	10.4	16.4	.2	-.1	-.30
15:00	14.4	9.0	12.2	15.1	9.9	16.0	2.9	1.0	.11
16:00	15.9	10.3	13.4	16.7	11.1	17.5	2.2	1.0	-.02
17:00	16.1	9.6	13.4	16.7	10.6	17.5	1.7	.4	-.05
18:00	17.6	9.9	14.5	18.2	10.6	18.9	-1.3	-.6	-.53
19:00	16.2	8.8	13.1	16.6	9.6	17.2	-.7	.2	-.42
20:00	15.2	8.2	12.3	16.2	8.7	16.6	1.0	-.7	-.20
21:00	12.4	5.7	9.4	12.6	6.2	13.0	1.0	.1	-.10
22:00	9.6	4.4	7.3	9.7	4.9	10.2	-.3	.0	-.16
23:00	7.3	2.8	5.3	7.4	3.3	7.8	.7	-1.2	-.07
Avg	.0	5.7	8.5	11.2	6.3	11.7	.5	-.6	-.14
Max	17.6	10.3	14.5	18.2	11.1	18.9	2.9	1.0	.11
Hr. of Max	18	16	18	18	16	18	15	16	15
Min	2.8	.3	1.1	3.0	.9	3.3	-2.5	-2.4	-.53
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/23/2017

Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	36_SonicTemp_015m	37_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	-.11	6.0	10.1	10.3	12.4	5.8	24.3	24.4
01:00	-.11	3.4	5.7	8.5	15.3	8.9	24.1	24.2
02:00	-.14	5.3	7.6	10.1	15.4	10.6	24.1	23.9
03:00	-.20	5.0	7.3	8.2	11.6	8.1	24.2	24.1
04:00	-.27	7.6	10.8	14.4	14.0	7.3	24.2	24.2
05:00	-.45	16.0	18.1	21.5	19.3	10.9	24.4	24.2
06:00	-.48	14.9	20.2	27.7	15.6	8.1	24.1	24.0
07:00	-.21	14.2	15.1	21.8	17.7	8.7	24.4	24.4
08:00	-.23	12.8	17.4	19.9	18.4	10.0	24.2	23.9
09:00	-.22	13.7	16.9	20.8	20.2	11.0	24.2	23.9
10:00	-.27	19.2	24.5	27.0	18.4	10.4	24.6	24.3
11:00	-.32	17.4	19.7	23.4	19.2	11.1	26.1	25.4
12:00	-.32	24.5	26.8	32.5	18.1	10.9	28.1	27.4
13:00	-.11	32.1	26.3	30.7	17.2	12.7	28.7	28.1
14:00	-.30	28.6	29.5	45.1	17.4	12.5	29.3	28.7
15:00	-.08	27.9	32.7	33.4	18.9	13.6	29.8	29.2
16:00	-.18	31.4	35.3	39.2	18.8	14.4	30.4	29.7
17:00	-.22	32.7	35.0	41.7	18.1	12.1	29.9	29.5
18:00	-.39	26.6	36.2	37.1	16.0	9.3	28.2	28.1
19:00	-.15	24.5	30.5	43.5	16.0	8.5	25.3	24.9
20:00	-.34	21.5	25.6	31.8	18.1	8.8	25.2	24.8
21:00	-.07	18.3	20.8	32.3	16.8	6.4	25.0	24.7
22:00	-.04	10.8	17.9	22.4	14.6	6.5	25.0	24.7
23:00	-.19	7.8	16.7	17.9	16.0	6.0	24.7	24.4
Avg	-.23	17.6	21.1	25.9	16.8	9.7	25.9	25.6
Max	-.04	32.7	36.2	45.1	20.2	14.4	30.4	29.7
Hr. of Max	22	17	18	14	09	16	16	16
Min	-.48	3.4	5.7	8.2	11.6	5.8	24.1	23.9
Count	24	24	24	24	24	24	24	24
Total								