Date Printed: 06/18/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/17/2017

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	19.7	20.7	21.2	22.1	.99	1.56	2.44	.56	1.45
01:00	19.2	20.3	20.7	21.0	1.11	1.48	1.78	.37	.66
02:00	18.5	19.5	20.1	20.6	.99	1.57	2.10	.58	1.11
03:00	18.2	19.2	19.6	20.3	.93	1.38	2.03	.45	1.10
04:00	18.0	18.9	19.4	19.9	.90	1.41	1.91	.50	1.01
05:00	17.8	18.8	19.1	19.7	.96	1.32	1.87	.36	.92
06:00	17.4	18.4	19.0	19.5	1.01	1.64	2.07	.63	1.05
07:00	18.9	19.5	19.9	20.0	.52	1.00	1.06	.47	.53
08:00	21.9	21.6	21.4	21.3	-.35	-.56	-.67	-.20	-.31
09:00	24.0	23.4	23.1	23.0	-.64	-.90	-1.02	-.25	-.38
10:00	25.9	24.9	24.6	24.4	-1.02	-1.35	-1.50	-.33	-.48
11:00	27.4	26.3	25.9	25.8	-1.05	-1.44	-1.58	-.39	-.53
12:00	28.5	27.5	27.1	27.0	-1.05	-1.42	-1.54	-.37	-.49
13:00	29.7	28.4	28.1	27.9	-1.29	-1.60	-1.74	-.31	-.45
14:00	30.6	29.2	28.9	28.8	-1.39	-1.73	-1.83	-.34	-.44
15:00	31.2	29.9	29.4	29.3	-1.30	-1.72	-1.86	-.43	-.56
16:00	31.3	30.3	29.9	29.7	-1.03	-1.45	-1.64	-.42	-.61
17:00	30.7	29.9	29.7	29.5	-.78	-1.07	-1.24	-.28	-.46
18:00	30.4	29.7	29.5	29.3	-.64	-.90	-1.04	-.26	-.40
19:00	28.6	29.3	29.2	29.2	.64	.58	.56	-.06	-.08
20:00	26.4	27.9	28.0	28.0	1.49	1.57	1.61	.08	.12
21:00	23.5	25.8	26.7	27.0	2.22	3.18	3.46	.97	1.25
22:00	22.2	24.3	25.2	25.6	2.13	3.01	3.42	.88	1.29
23:00	21.2	23.2	23.7	24.7	2.00	2.54	3.49	.55	1.49
Avg	24.2	24.5	24.6	24.7	.22	.34	.51	.12	.28
Max	31.3	30.3	29.9	29.7	2.22	3.18	3.49	.97	1.49
Hr. of Max	16	16	16	16	21	21	23	21	23
Min	17.4	18.4	19.0	19.5	-1.39	-1.73	-1.86	-.43	-.61
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/17/2017

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	18.5	19.5	18.9	23.7	95.2	95.2	15.8	16.8	0.013864
01:00	18.2	19.4	18.5	23.6	96.2	96.8	15.5	16.7	0.013592
02:00	17.8	19.0	18.0	23.4	97.5	98.8	15.2	16.3	0.013236
03:00	17.6	18.7	17.8	23.3	98.0	98.9	15.0	16.0	0.013065
04:00	17.3	18.3	17.5	23.1	98.0	99.0	14.7	15.7	0.012822
05:00	17.2	18.3	17.4	23.0	98.0	99.0	14.6	15.6	0.012717
06:00	16.8	17.9	17.0	22.8	98.0	99.2	14.3	15.3	0.012374
07:00	18.1	18.6	18.4	22.7	97.0	97.2	15.5	16.0	0.013525
08:00	18.8	18.3	19.9	22.5	84.5	83.7	16.0	15.5	0.014135
09:00	18.8	18.3	20.6	22.4	74.6	74.7	15.9	15.4	0.014172
10:00	19.1	18.8	21.4	22.5	68.0	70.4	16.2	15.8	0.014462
11:00	19.4	19.1	22.1	22.6	63.7	66.2	16.4	16.1	0.014758
12:00	19.2	18.8	22.3	22.9	58.9	61.1	16.1	15.8	0.014581
13:00	18.5	18.1	22.2	23.2	52.8	55.3	15.4	15.1	0.013985
14:00	17.9	17.5	22.1	23.6	48.1	50.8	14.8	14.5	0.013449
15:00	17.2	16.7	21.9	23.9	44.6	46.5	14.2	13.8	0.012899
16:00	16.3	15.7	21.3	24.1	41.8	42.6	13.4	12.9	0.012175
17:00	17.4	16.9	21.9	24.3	46.3	46.9	14.4	13.9	0.013061
18:00	18.5	18.1	22.4	24.5	50.5	51.0	15.3	15.0	0.013954
19:00	18.9	18.0	22.1	24.6	57.7	52.2	15.8	14.9	0.014325
20:00	19.5	18.8	21.8	24.6	67.8	59.3	16.5	15.7	0.014857
21:00	19.4	19.1	20.8	24.6	79.5	68.5	16.5	16.1	0.014687
22:00	19.0	18.8	20.1	24.5	84.4	73.2	16.2	15.9	0.014339
23:00	18.6	18.9	19.5	24.4	87.3	78.6	15.9	16.0	0.013988
Avg	18.3	18.3	20.2	23.5	74.5	73.5	15.4	15.5	0.013709
Max	19.5	19.5	22.4	24.6	98.0	99.2	16.5	16.8	0.014857
Hr. of Max	20	00	18	21	06	06	21	00	20
Min	16.3	15.7	17.0	22.4	41.8	42.6	13.4	12.9	0.012175
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/17/2017

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	0.014752	21.4	22.7	.00	28.96	980.7	-2.1	.00	100.6
01:00	0.014662	21.0	22.6	.00	28.94	980.1	-2.9	.00	51.9
02:00	0.014278	20.4	22.0	.00	28.93	979.6	-2.7	.00	243.2
03:00	0.013989	20.2	21.6	.00	28.93	979.8	-2.5	.00	99.3
04:00	0.013709	19.8	21.1	.00	28.95	980.3	-2.4	.00	237.8
05:00	0.013644	19.6	21.0	.00	28.96	980.6	-2.5	.00	86.4
06:00	0.013362	19.1	20.6	.00	28.95	980.4	9.3	.01	143.8
07:00	0.013973	20.9	21.5	.00	28.96	980.7	109.8	.16	167.8
08:00	0.013702	21.8	21.2	.00	28.98	981.3	345.3	.49	196.5
09:00	0.013653	21.9	21.1	.00	28.99	981.7	557.5	.80	206.5
10:00	0.014107	22.3	21.8	.00	28.99	981.7	753.7	1.08	214.2
11:00	0.014419	22.7	22.2	.00	28.98	981.5	758.5	1.09	207.5
12:00	0.014222	22.5	21.9	.00	28.97	981.0	788.0	1.13	212.9
13:00	0.013595	21.6	21.0	.00	28.96	980.6	814.3	1.17	228.2
14:00	0.013129	20.7	20.3	.00	28.94	980.1	1004.8	1.44	215.0
15:00	0.012469	19.9	19.3	.00	28.93	979.6	886.3	1.27	222.8
16:00	0.011703	18.8	18.1	.00	28.92	979.3	562.1	.81	231.3
17:00	0.012631	20.1	19.5	.00	28.92	979.4	399.6	.57	251.5
18:00	0.013581	21.5	20.9	.00	28.92	979.3	363.4	.52	243.0
19:00	0.013518	22.0	20.8	.00	28.92	979.4	203.9	.29	229.5
20:00	0.014204	22.9	21.9	.00	28.93	979.7	20.0	.03	175.8
21:00	0.014447	22.6	22.2	.00	28.94	980.0	-2.2	.00	75.4
22:00	0.014139	22.1	21.8	.00	28.95	980.5	-2.3	.00	352.5
23:00	0.014226	21.6	21.9	.00	28.95	980.3	-2.5	.00	56.0
Avg	0.013755	21.1	21.2	.00	28.95	980.3	314.8	.45	196.0
Max	0.014752	22.9	22.7	.00	28.99	981.7	1004.8	1.44	352.5
Hr. of Max	00	20	00	23	10	10	14	14	22
Min	0.011703	18.8	18.1	.00	28.92	979.3	-2.9	.00	51.9
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/17/2017

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	230.4	254.8	300.9	234.7	44.9	42.5	7.4	.3	1.3
01:00	57.4	76.9	331.0	65.0	29.4	14.7	19.4	.2	1.1
02:00	261.8	216.0	246.3	213.5	59.3	48.3	28.1	.9	.7
03:00	102.0	41.1	269.0	335.1	68.5	50.9	72.1	.3	.2
04:00	267.8	232.0	247.0	228.3	33.0	27.3	31.7	.9	1.4
05:00	25.1	119.8	241.7	123.5	36.8	18.9	21.8	.1	.4
06:00	301.1	237.1	276.9	234.2	39.0	38.3	14.2	.2	.5
07:00	299.6	252.0	249.9 +	238.0	61.1	41.0	49.0	.5	.8
08:00	234.3	232.3	222.4	226.5	58.6	42.2	30.1	.8	1.2
09:00	249.5	249.7	225.1	244.3	56.8	43.9	34.4	1.6	1.9
10:00	222.6	220.6	216.9	216.5	26.2	18.7	16.2	4.1	5.0
11:00	218.0	216.0	211.6	211.6	28.3	20.6	16.4	4.6	5.9
12:00	223.6	220.5	216.2	215.3	43.6	30.8	26.7	3.4	4.6
13:00	238.5	235.6	228.6	231.0	39.7	30.4	26.3	4.0	5.3
14:00	229.5	226.9	217.1	221.9	34.6	28.3	25.0	4.0	5.1
15:00	230.6	225.6	225.2	221.4	33.2	26.0	22.3	4.2	5.4
16:00	238.6	235.8	231.7	231.7	30.8	22.0	22.2	4.0	5.2
17:00	256.6	250.7	251.4	245.7	39.6	22.3	16.9	3.1	4.6
18:00	247.1	242.1	245.2	237.4	29.7	19.9	14.5	2.6	3.7
19:00	231.3	219.3	238.8	214.5	42.5	20.7	15.2	1.6	2.7
20:00	184.6	176.9	193.7	172.5	31.2	14.8	11.4	2.0	3.8
21:00	157.8	159.5	292.1	154.7	37.7	15.8	13.0	.0	2.3
22:00	222.6	189.6	321.8	185.2	39.7	42.4	17.8	.6	1.3
23:00	54.8	162.7	345.3	157.3	25.7	18.3	16.2	.3	.9
Avg	237.0	217.0	248.0	215.0	40.4	29.1	23.7	.0	.0
Max	301.1	254.8	345.3	335.1	68.5	50.9	72.1	4.6	5.9
Hr. of Max	06	00	23	03	03	03	03	11	11
Min	25.1	41.1	193.7	65.0	25.7	14.7	7.4	.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)

6/17/2017

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	1.6	.4	1.3	1.6	.9	1.9	-.3	.4	-.01
01:00	1.2	.3	1.1	1.4	.8	1.7	2.4	.6	.05
02:00	.9	1.0	1.3	1.5	1.5	1.8	2.0	-1.4	.02
03:00	.2	.4	.7	.7	1.0	.9	.3	-.8	.01
04:00	1.5	1.0	1.6	1.7	1.6	1.9	1.7	-1.0	.02
05:00	.4	.1	.4	.5	.6	.8	1.5	-1.2	.02
06:00	1.2	.3	.9	1.4	1.1	1.6	3.3	-.4	.06
07:00	1.6	.9	1.9	1.9	1.4	2.2	1.6	-2.7	.02
08:00	1.4	1.3	1.5	1.7	1.8	2.1	-2.3	-6.0	-.12
09:00	2.3	2.0	2.4	2.7	2.7	3.2	1.2	.7	-.08
10:00	5.7	4.6	5.4	6.0	5.1	6.6	-2.7	-6.2	-.35
11:00	6.9	5.1	6.3	7.2	5.6	7.8	-.3	-4.3	-.22
12:00	5.2	4.3	5.2	5.7	4.8	6.2	1.6	-1.2	.02
13:00	6.3	4.8	6.0	6.9	5.3	7.5	3.0	1.1	.01
14:00	5.7	5.0	5.9	6.3	5.6	7.0	.8	-.5	-.15
15:00	6.4	4.9	6.0	6.8	5.5	7.4	.6	.2	-.15
16:00	6.0	4.5	5.6	6.5	5.1	7.1	.5	-2.1	-.07
17:00	5.5	3.6	4.9	5.7	4.0	6.1	.0	.5	-.20
18:00	4.5	3.0	3.9	4.7	3.5	5.1	1.1	.9	-.07
19:00	3.6	1.8	2.9	3.8	2.3	4.1	1.1	.9	-.04
20:00	5.3	2.2	4.0	5.4	2.6	5.6	1.8	-.3	.03
21:00	4.0	.4	2.4	4.2	1.0	4.4	1.3	.8	.03
22:00	3.4	.8	2.0	3.5	1.1	3.8	1.7	1.9	.02
23:00	2.3	.3	1.0	2.4	.9	2.6	.4	-.6	.01
Avg	.0	2.2	3.1	3.8	2.7	4.1	.9	-.9	-.05
Max	6.9	5.1	6.3	7.2	5.6	7.8	3.3	1.9	.06
Hr. of Max	11	11	11	11	14	11	06	22	06
Min	.2	.1	.4	.5	.6	.8	-2.7	-6.2	-.35
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/17/2017

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	.02	5.5	5.3	6.0	6.3	3.7	22.0	23.3
01:00	.03	1.8	2.5	2.7	8.2	5.3	21.6	22.1
02:00	-.01	3.4	3.0	3.9	6.5	7.0	20.9	21.8
03:00	.00	2.3	2.3	3.0	7.1	10.0	20.5	21.4
04:00	-.01	3.4	3.7	3.4	8.3	10.1	20.1	21.0
05:00	-.02	2.1	1.8	1.8	6.9	7.4	20.1	20.8
06:00	.00	2.3	2.7	3.2	7.9	6.3	19.5	20.6
07:00	-.10	3.9	5.0	5.7	12.2	14.8	20.8	21.0
08:00	-.21	4.1	4.4	4.4	27.3	27.6	22.9	22.3
09:00	-.11	5.7	7.8	6.9	28.9	26.9	24.6	24.0
10:00	-.73	11.2	11.2	11.9	18.5	15.1	26.0	25.2
11:00	-.71	11.9	14.0	14.9	21.2	14.8	27.5	26.6
12:00	-.17	10.5	15.3	13.3	21.0	18.8	28.6	27.7
13:00	-.09	12.6	17.2	16.5	22.1	19.3	29.4	28.5
14:00	-.16	14.9	13.5	14.2	21.4	18.4	30.1	29.3
15:00	-.15	13.1	17.6	15.6	19.8	17.8	30.6	29.6
16:00	-.32	12.6	12.8	14.2	18.7	16.9	30.9	29.9
17:00	-.15	9.2	12.1	11.2	20.2	14.4	30.8	30.0
18:00	-.02	6.9	8.2	7.8	19.4	13.6	30.8	30.0
19:00	.01	6.2	6.4	8.0	16.3	10.8	30.3	29.9
20:00	-.10	6.4	10.3	10.1	14.2	9.6	29.1	29.0
21:00	.03	3.0	8.0	11.0	19.3	8.6	27.0	28.0
22:00	.08	3.7	8.0	13.3	12.5	9.2	25.5	26.6
23:00	-.05	2.1	3.2	5.7	10.7	11.2	24.5	25.8
Avg	-.12	6.6	8.2	8.7	15.6	13.2	25.6	25.6
Max	.08	14.9	17.6	16.5	28.9	27.6	30.9	30.0
Hr. of Max	22	14	15	13	09	08	16	18
Min	-.73	1.8	1.8	1.8	6.3	3.7	19.5	20.6
Count	24	24	24	24	24	24	24	24
Total								