Date Printed: 06/14/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/13/2017

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	20.7	22.6	23.5	24.2	1.87	2.79	3.46	.92	1.59
01:00	20.6	22.1	23.2	23.6	1.52	2.63	3.06	1.11	1.54
02:00	20.4	21.9	22.6	23.2	1.56	2.17	2.79	.61	1.23
03:00	19.8	21.2	21.7	22.5	1.37	1.82	2.62	.45	1.25
04:00	19.6	20.5	21.1	21.5	.90	1.51	1.95	.60	1.05
05:00	19.2	20.3	20.8	21.4	1.07	1.57	2.20	.51	1.13
06:00	18.9	19.9	20.3	21.0	.97	1.34	2.04	.37	1.07
07:00	20.3	20.7	21.2	21.6	.35	.93	1.26	.58	.91
08:00	23.5	23.1	22.8	22.7	-.38	-.63	-.72	-.26	-.34
09:00	25.4	24.7	24.4	24.3	-.69	-1.00	-1.15	-.31	-.46
10:00	27.2	26.3	26.0	25.9	-.93	-1.19	-1.34	-.26	-.42
11:00	28.6	27.7	27.4	27.2	-.89	-1.24	-1.39	-.35	-.49
12:00	30.0	28.8	28.5	28.4	-1.24	-1.54	-1.65	-.29	-.41
13:00	31.4	29.8	29.4	29.3	-1.52	-1.91	-2.01	-.39	-.49
14:00	31.3	30.2	29.9	29.8	-1.14	-1.45	-1.57	-.31	-.43
15:00	31.5	30.6	30.3	30.2	-.93	-1.23	-1.32	-.30	-.40
16:00	29.4	28.7	28.5	28.5	-.72	-.96	-.96	-.24	-.23
17:00	29.4	28.9	28.7	28.9	-.52	-.71	-.54	-.19	-.02
18:00	24.0	25.0	25.9	26.5	.92	1.90	2.51	.97	1.59
19:00	23.8	24.3	24.8	25.3	.48	1.02	1.47	.54	.99
20:00	23.5	23.8	24.4	24.9	.37	.96	1.41	.59	1.05
21:00	23.0	23.7	24.1	24.2	.71	1.05	1.21	.34	.50
22:00	22.5	22.8	22.6	22.6	.24	.12	.08	-.12	-.16
23:00	22.1	22.3	22.2	22.1	.20	.09	.07	-.10	-.12
Avg	24.4	24.6	24.8	25.0	.15	.34	.56	.19	.41
Max	31.5	30.6	30.3	30.2	1.87	2.79	3.46	1.11	1.59
Hr. of Max	15	15	15	15	00	00	00	01	18
Min	18.9	19.9	20.3	21.0	-1.52	-1.91	-2.01	-.39	-.49
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/13/2017

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	18.3	18.5	19.1	23.4	87.7	79.4	15.5	15.6	0.013523
01:00	18.4	18.7	19.1	23.3	89.5	83.2	15.7	15.9	0.013672
02:00	18.5	19.0	19.1	23.1	91.0	85.5	15.8	16.2	0.013738
03:00	18.6	19.5	19.0	23.0	94.5	92.4	15.9	16.8	0.0138
04:00	18.5	19.7	18.9	22.9	95.9	97.8	15.8	17.0	0.013756
05:00	18.3	19.7	18.6	22.8	96.8	98.8	15.7	17.0	0.013574
06:00	18.2	19.4	18.5	22.6	97.6	98.9	15.6	16.7	0.013467
07:00	19.1	19.3	19.5	22.5	95.0	94.0	16.4	16.5	0.014266
08:00	20.1	19.8	21.2	22.4	83.6	83.7	17.3	16.9	0.015221
09:00	20.1	19.8	21.9	22.4	74.6	75.9	17.2	16.9	0.015266
10:00	19.8	19.1	22.2	22.4	65.7	66.7	16.7	16.2	0.014938
11:00	19.9	19.3	22.8	22.5	61.0	61.8	16.8	16.2	0.015072
12:00	20.0	19.5	23.3	22.8	56.6	58.8	16.9	16.4	0.01521
13:00	19.4	18.8	23.4	23.2	50.8	53.3	16.2	15.7	0.014719
14:00	19.1	18.7	23.2	23.6	49.7	51.8	15.9	15.6	0.014424
15:00	18.8	18.4	23.0	24.0	48.2	49.5	15.6	15.2	0.014143
16:00	20.6	20.5	23.5	24.2	61.0	63.4	17.5	17.5	0.015831
17:00	21.1	21.0	23.9	24.4	62.9	64.5	18.1	18.0	0.016329
18:00	20.9	19.6	21.9	24.5	85.7	74.7	18.1	16.7	0.016091
19:00	21.8	20.8	22.4	24.5	91.0	83.3	19.1	18.0	0.016967
20:00	22.2	21.7	22.6	24.5	95.0	90.3	19.6	19.0	0.017353
21:00	21.6	20.8	22.1	24.4	94.1	85.9	18.9	18.0	0.016724
22:00	19.5	19.4	20.5	24.3	85.2	83.1	16.7	16.5	0.014668
23:00	19.6	19.7	20.5	24.2	88.3	87.3	16.8	16.8	0.014792
Avg	19.7	19.6	21.3	23.4	79.2	77.7	16.8	16.7	0.014898
Max	22.2	21.7	23.9	24.5	97.6	98.9	19.6	19.0	0.017353
Hr. of Max	20	20	17	20	06	06	20	20	20
Min	18.2	18.4	18.5	22.4	48.2	49.5	15.5	15.2	0.013467
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)

6/13/2017

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	0.013723	21.0	21.3	.00	29.20	988.8	-2.1	.00	276.1
01:00	0.013947	21.3	21.7	.00	29.20	988.9	-2.3	.00	252.1
02:00	0.014204	21.4	22.1	.00	29.20	989.0	-2.8	.00	72.9
03:00	0.014679	21.5	22.8	.00	29.20	988.9	-2.7	.00	69.5
04:00	0.01484	21.4	23.0	.00	29.20	988.7	-2.2	.00	228.0
05:00	0.014797	21.1	23.0	.00	29.20	989.0	-2.5	.00	308.5
06:00	0.014495	21.0	22.5	.00	29.22	989.4	8.7	.01	238.7
07:00	0.014406	22.2	22.4	.00	29.22	989.6	125.8	.18	221.4
08:00	0.01489	23.6	23.1	.00	29.23	989.8	347.7	.50	210.4
09:00	0.014911	23.7	23.2	.00	29.23	990.0	547.8	.79	213.6
10:00	0.01435	23.2	22.3	.00	29.22	989.7	739.7	1.06	224.0
11:00	0.014494	23.4	22.5	.00	29.21	989.1	873.2	1.25	168.9
12:00	0.014701	23.6	22.8	.00	29.18	988.3	988.7	1.42	214.0
13:00	0.014148	22.8	22.0	.00	29.16	987.4	1142.3	1.64	196.4
14:00	0.01408	22.4	21.8	.00	29.13	986.6	865.7	1.24	198.5
15:00	0.013772	21.9	21.4	.00	29.11	985.8	682.7	.98	244.9
16:00	0.015771	24.5	24.4	.00	29.10	985.6	305.1	.44	336.8
17:00	0.016252	25.2	25.1	.00	29.10	985.4	289.1	.41	3.2
18:00	0.014876	24.8	23.0	.04	29.10	985.5	147.0	.21	303.5
19:00	0.015993	26.2	24.7	.00	29.10	985.5	88.8	.13	292.3
20:00	0.016854	26.8	26.0	.00	29.13	986.4	11.9	.02	199.9
21:00	0.015949	25.8	24.7	.00	29.15	987.3	-2.2	.00	70.4
22:00	0.014523	22.8	22.6	.00	29.19	988.4	-2.5	.00	77.7
23:00	0.014795	23.0	23.0	.00	29.18	988.2	-2.0	.00	64.3
Avg	0.01481	23.1	23.0	.00	29.17	988.0	297.6	.43	234.0
Max	0.016854	26.8	26.0	.04	29.23	990.0	1142.3	1.64	336.8
Hr. of Max	20	20	20	18	09	09	13	13	16
Min	0.013723	21.0	21.3	.00	29.10	985.4	-2.8	.00	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)

6/13/2017

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	230.8	225.5	283.9	222.0	38.6	10.0	5.0	.5	1.8
01:00	234.6	240.2	282.1	236.0	40.9	10.1	7.8	.5	1.7
02:00	50.6	269.1	336.5	261.5	15.7	26.4	14.5	.1	.8
03:00	68.4	67.2	286.3	119.4	38.5	44.1	27.9	.1	.7
04:00	353.9	286.1	254.6	282.7	18.3	29.9	26.3	.5	.2
05:00	65.5	296.8	304.4	295.3	59.4	32.9	45.1	.2	.2
06:00	236.0	189.9	253.8	185.7	42.0	29.9	22.7	.7	1.6
07:00	244.9	243.4	242.5	239.2	51.5	20.8	12.0	.4	1.0
08:00	227.4	227.4	216.4	223.0	28.1	18.4	18.0	2.4	3.1
09:00	224.9	221.8	217.4	217.4	31.8	21.0	16.6	2.7	3.5
10:00	237.5	236.3	231.8	230.5	59.2	44.5	42.9	1.7	2.0
11:00	188.4	193.7	171.5	188.9	46.0	47.2	38.4	2.5	2.8
12:00	227.2	220.6	228.0	217.0	71.5	52.9	39.8	2.1	2.7
13:00	211.2	211.0	201.6	205.4	38.6	31.4	26.6	3.2	3.9
14:00	209.3	203.7	202.6	198.7	50.2	44.7	37.9	2.7	3.2
15:00	246.5	247.7	245.8	242.1	45.8	36.8	37.7	1.0	1.6
16:00	339.6	338.2	322.9	327.5	36.5	21.8	17.2	2.9	4.3
17:00	2.9	1.1	350.1	350.0	28.2	19.3	17.2	2.3	3.7
18:00	308.6	297.8	287.3	289.3	41.2	19.3	16.2	3.5	6.0
19:00	319.8	323.1	280.3	312.2	39.4	51.6	52.7	1.2	2.2
20:00	207.3	200.9	213.7	194.8	55.0	28.5	23.5	1.6	3.3
21:00	87.4	98.6	63.4	89.9	30.2	35.3	41.8	2.1	3.6
22:00	81.4	79.5	73.3	70.5	21.5	14.7	10.8	4.7	7.5
23:00	64.8	68.0	56.0	59.1	26.6	20.5	14.4	2.3	4.8
Avg	244.0	241.0	259.0	234.0	39.8	29.7	25.5	.0	.0
Max	353.9	338.2	350.1	350.0	71.5	52.9	52.7	4.7	7.5
Hr. of Max	04	16	17	17	12	12	19	22	22
Min	2.9	1.1	56.0	59.1	15.7	10.0	5.0	.1	.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/13/2017

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	3.4	.6	1.8	3.4	1.2	3.7	-.1	-.2	.00
01:00	3.4	.8	1.8	3.5	1.2	3.7	.7	.0	.02
02:00	1.0	.1	.9	1.1	.5	1.3	.7	-1.4	.01
03:00	.2	.2	.8	.6	.6	1.0	.9	.3	.01
04:00	.6	.5	.5	.9	1.0	1.1	.6	.2	.02
05:00	.5	.6	.3	.9	.8	1.1	.7	1.6	.01
06:00	1.7	.8	1.6	1.8	1.3	2.0	2.5	-1.0	.04
07:00	2.0	.5	1.2	2.1	1.1	2.3	.2	-.6	.00
08:00	3.5	2.6	3.3	3.6	3.0	4.0	1.3	-1.4	-.03
09:00	3.9	3.2	3.9	4.2	3.9	4.7	1.2	-2.1	.04
10:00	2.2	2.4	2.6	2.8	3.1	3.4	1.3	-4.1	-.01
11:00	3.1	3.2	3.4	3.5	3.9	4.1	1.3	5.9	.02
12:00	3.4	3.4	3.5	3.9	3.9	4.7	-1.4	-2.6	-.12
13:00	4.5	4.2	4.9	5.3	4.8	6.0	-1.8	-6.5	-.18
14:00	3.7	3.5	4.1	4.5	4.0	5.0	-1.4	-4.5	-.15
15:00	2.0	2.8	3.1	3.3	3.3	3.9	-2.8	-4.6	-.27
16:00	5.5	3.3	4.6	5.8	3.8	6.1	-4.5	-1.6	-.55
17:00	4.4	2.8	4.1	4.8	3.1	5.1	-2.4	-2.3	-.31
18:00	8.1	3.9	6.9	9.3	4.2	9.3	-.7	-.7	-.26
19:00	4.3	2.0	3.1	5.0	2.3	5.3	.1	2.8	-.08
20:00	4.1	2.3	4.1	5.1	2.9	5.4	1.7	1.2	.06
21:00	4.7	3.4	5.8	7.2	3.7	7.6	.9	1.4	-.14
22:00	9.6	5.0	7.7	9.9	5.5	10.4	1.9	2.4	.02
23:00	6.2	2.6	5.1	6.5	3.1	6.8	-.7	.5	-.15
Avg	.0	2.3	3.3	4.1	2.8	4.5	.0	-.7	-.08
Max	9.6	5.0	7.7	9.9	5.5	10.4	2.5	5.9	.06
Hr. of Max	22	22	22	22	22	22	06	11	20
Min	.2	.1	.3	.6	.5	1.0	-4.5	-6.5	-.55
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/13/2017

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	-.02	2.5	3.2	7.3	5.6	2.4	23.8	25.3
01:00	.00	3.0	4.1	6.6	7.8	3.4	23.3	24.7
02:00	-.04	1.1	2.1	5.0	7.5	9.3	23.3	24.3
03:00	-.01	1.6	2.1	2.3	9.5	14.2	22.6	23.7
04:00	.01	3.2	1.6	4.1	4.9	5.7	21.8	22.7
05:00	.04	3.7	1.1	2.1	6.7	6.3	21.6	22.6
06:00	-.03	2.3	2.7	3.2	6.1	4.3	21.2	22.2
07:00	-.02	2.1	3.4	3.9	13.7	4.4	22.0	22.7
08:00	-.19	6.2	6.9	6.9	20.6	15.7	24.4	23.8
09:00	-.21	7.6	7.6	8.0	19.0	17.2	26.1	25.2
10:00	-.33	7.8	8.9	8.0	27.9	31.4	27.6	26.8
11:00	.33	9.8	9.4	8.0	23.5	27.2	28.9	28.1
12:00	-.25	11.0	10.3	10.3	27.4	29.2	30.1	29.2
13:00	-.73	8.7	10.5	10.3	22.1	22.5	30.9	29.9
14:00	-.41	11.0	10.3	10.8	24.1	22.6	31.3	30.5
15:00	-.44	8.9	17.4	16.0	26.2	27.1	31.7	30.9
16:00	-.26	9.8	10.1	9.6	21.4	11.7	30.2	29.5
17:00	-.15	6.6	7.6	9.2	20.9	12.6	30.5	30.0
18:00	-.20	19.0	20.4	27.7	16.9	8.9	26.3	27.6
19:00	.03	9.8	11.7	14.2	13.3	10.5	25.8	26.4
20:00	.26	9.6	11.7	11.7	14.6	9.1	25.5	26.1
21:00	.17	13.7	19.0	20.8	17.2	10.5	25.3	25.4
22:00	.35	16.9	21.8	29.1	17.4	7.9	24.2	23.7
23:00	.01	7.8	11.4	14.2	20.0	8.4	23.7	23.3
Avg	-.09	7.7	9.0	10.4	16.4	13.4	25.9	26.0
Max	.35	19.0	21.8	29.1	27.9	31.4	31.7	30.9
Hr. of Max	22	18	22	22	10	10	15	15
Min	-.73	1.1	1.1	2.1	4.9	2.4	21.2	22.2
Count	24	24	24	24	24	24	24	24
Total								