Date Printed: 05/23/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/22/2017

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	19.0	19.8	20.2	20.4	.84	1.21	1.47	.38	.63
01:00	18.6	19.4	19.8	20.0	.77	1.13	1.32	.36	.55
02:00	19.0	19.4	19.6	19.7	.41	.53	.68	.12	.27
03:00	18.8	19.1	19.4	19.6	.28	.58	.82	.30	.54
04:00	18.2	18.6	18.8	18.9	.46	.63	.76	.17	.29
05:00	17.8	18.3	18.5	18.6	.49	.71	.79	.22	.31
06:00	18.0	18.3	18.5	18.6	.32	.50	.62	.18	.30
07:00	18.6	18.5	18.5	18.5	-.13	-.08	-.07	.05	.06
08:00	19.1	18.8	18.7	18.7	-.21	-.36	-.40	-.15	-.19
09:00	18.9	18.7	18.6	18.5	-.15	-.31	-.38	-.16	-.23
10:00	19.1	18.7	18.5	18.4	-.37	-.61	-.73	-.24	-.37
11:00	20.0	19.5	19.1	19.0	-.53	-.85	-1.01	-.32	-.48
12:00	19.9	19.3	19.0	18.9	-.62	-.90	-1.03	-.28	-.41
13:00	21.7	20.4	20.0	19.8	-1.25	-1.64	-1.83	-.39	-.58
14:00	22.7	21.8	21.5	21.3	-.88	-1.22	-1.37	-.34	-.49
15:00	23.7	22.7	22.3	22.2	-1.01	-1.36	-1.50	-.35	-.49
16:00	23.6	23.0	22.8	22.7	-.57	-.84	-.95	-.27	-.38
17:00	23.6	23.1	22.8	22.7	-.48	-.76	-.87	-.28	-.39
18:00	23.1	22.8	22.7	22.7	-.29	-.40	-.47	-.11	-.17
19:00	21.1	21.4	21.9	22.1	.30	.80	1.02	.50	.72
20:00	19.3	20.1	20.8	21.2	.75	1.48	1.81	.73	1.06
21:00	18.3	19.8	20.0	20.2	1.49	1.65	1.85	.16	.37
22:00	17.7	19.2	19.3	19.4	1.49	1.59	1.77	.10	.28
23:00	17.2	18.5	18.9	19.0	1.39	1.71	1.85	.32	.47
Avg	19.9	20.0	20.0	20.0	.10	.13	.17	.03	.07
Max	23.7	23.1	22.8	22.7	1.49	1.71	1.85	.73	1.06
Hr. of Max	15	17	17	18	22	23	23	20	20
Min	17.2	18.3	18.5	18.4	-1.25	-1.64	-1.83	-.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)

5/22/2017

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	18.2	18.9	18.5	22.1	97.8	96.7	15.6	16.2	0.013528
01:00	18.0	18.8	18.2	22.0	98.0	98.5	15.3	16.1	0.013297
02:00	18.4	18.9	18.6	21.9	98.0	98.9	15.7	16.2	0.013646
03:00	18.2	18.6	18.4	21.8	98.0	99.1	15.5	15.9	0.013454
04:00	17.5	18.2	17.7	21.8	98.0	99.3	14.9	15.5	0.012915
05:00	17.1	17.8	17.4	21.7	97.9	99.3	14.6	15.2	0.012606
06:00	17.4	18.1	17.6	21.6	98.0	100.5	14.8	15.4	0.012783
07:00	18.0	18.0	18.2	21.5	98.1	99.3	15.3	15.4	0.013268
08:00	18.4	18.3	18.6	21.4	97.9	98.6	15.7	15.6	0.013615
09:00	17.1	16.9	17.7	21.3	91.5	91.0	14.6	14.4	0.012594
10:00	15.8	15.3	16.9	21.3	82.8	81.9	13.4	12.9	0.011541
11:00	15.2	14.8	16.8	21.3	75.6	76.0	12.9	12.5	0.011134
12:00	14.6	14.1	16.4	21.3	72.7	73.0	12.3	12.0	0.010691
13:00	14.4	13.7	16.9	21.3	64.8	66.7	12.2	11.7	0.010616
14:00	14.7	14.3	17.4	21.4	61.8	63.5	12.3	12.0	0.010795
15:00	14.7	14.1	17.7	21.6	58.5	59.7	12.3	11.9	0.010852
16:00	14.2	13.6	17.3	21.7	56.7	56.6	11.9	11.5	0.010467
17:00	14.3	13.8	17.4	21.8	57.3	56.9	12.0	11.6	0.010577
18:00	15.1	14.6	17.8	21.9	62.2	61.0	12.7	12.2	0.011148
19:00	16.6	15.8	18.1	21.9	77.2	72.1	14.0	13.3	0.012233
20:00	16.5	16.1	17.4	21.9	85.2	79.3	13.9	13.5	0.012112
21:00	16.1	15.7	16.8	21.9	88.7	78.7	13.6	13.2	0.011827
22:00	15.5	14.3	16.2	21.8	88.9	74.7	13.2	12.1	0.01139
23:00	14.9	13.2	15.7	21.7	88.5	72.4	12.7	11.3	0.010971
Avg	16.3	16.1	17.5	21.7	83.1	81.4	13.8	13.7	0.012003
Max	18.4	18.9	18.6	22.1	98.1	100.5	15.7	16.2	0.013646
Hr. of Max	08	02	08	00	07	06	08	02	02
Min	14.2	13.2	15.7	21.3	56.7	56.6	11.9	11.3	0.010467
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/22/2017

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	0.014101	21.0	21.9	.00	29.15	987.2	-2.6	.00	36.5
01:00	0.014017	20.7	21.8	.00	29.14	987.0	-2.8	.00	9.9
02:00	0.014121	21.2	21.9	.07	29.14	986.7	-3.0	.00	242.9
03:00	0.013854	20.9	21.5	.00	29.13	986.7	-2.5	.00	64.6
04:00	0.013476	20.1	20.9	.00	29.13	986.6	-2.9	.00	132.9
05:00	0.013186	19.6	20.5	.00	29.14	987.0	-2.9	.00	64.6
06:00	0.013375	19.9	20.8	.00	29.15	987.1	7.1	.01	32.0
07:00	0.013321	20.6	20.7	.00	29.17	987.8	46.0	.07	138.6
08:00	0.013524	21.2	21.0	.00	29.19	988.6	125.5	.18	340.7
09:00	0.01241	19.6	19.3	.00	29.19	988.7	123.3	.18	59.3
10:00	0.011164	18.0	17.4	.00	29.19	988.5	314.1	.45	72.5
11:00	0.010833	17.4	16.9	.00	29.19	988.6	384.4	.55	78.1
12:00	0.010322	16.7	16.1	.00	29.18	988.2	360.6	.52	88.8
13:00	0.010114	16.6	15.8	.00	29.15	987.2	879.2	1.26	90.1
14:00	0.0105	16.8	16.4	.00	29.13	986.5	616.2	.88	33.1
15:00	0.010415	16.9	16.2	.00	29.11	985.9	689.6	.99	115.6
16:00	0.010096	16.3	15.7	.00	29.09	985.0	365.8	.52	95.1
17:00	0.010203	16.5	15.9	.00	29.07	984.4	340.5	.49	89.9
18:00	0.010755	17.3	16.7	.00	29.06	984.2	241.3	.35	36.0
19:00	0.011632	19.0	18.1	.00	29.06	984.0	83.1	.12	51.0
20:00	0.011812	18.8	18.3	.00	29.05	983.8	8.5	.01	22.1
21:00	0.011519	18.4	17.9	.00	29.04	983.5	-1.9	.00	52.4
22:00	0.010514	17.7	16.3	.00	29.04	983.3	-1.8	.00	33.6
23:00	0.009798	17.0	15.3	.00	29.04	983.3	-1.9	.00	35.9
Avg	0.011878	18.7	18.5	.00	29.12	986.2	190.1	.27	60.0
Max	0.014121	21.2	21.9	.07	29.19	988.7	879.2	1.26	340.7
Hr. of Max	02	08	02	02	11	09	13	13	08
Min	0.009798	16.3	15.3	.00	29.04	983.3	-3.0	.00	9.9
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/22/2017

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	75.7	17.9	279.1	3.3	46.3	56.4	55.6	.2	.1
01:00	29.9	51.2	285.2	56.5	62.4	28.8	40.0	.3	.2
02:00	268.6	273.4	256.8	271.3	71.6	54.3	35.2	.8	1.2
03:00	264.0	269.5	287.3	264.2	45.6	43.1	11.5	.4	1.8
04:00	175.6	262.5	288.2	255.6	46.3	49.3	41.6	.2	.2
05:00	133.2	148.6	342.5	144.4	40.1	60.4	50.4	.3	.4
06:00	37.3	125.0	281.7	111.8	50.0	32.6	44.5	.5	.4
07:00	285.6	312.4	216.2	303.9	40.1	39.3	40.3	.4	.9
08:00	331.6	333.0	313.5	323.1	43.3	22.3	18.8	.8	2.1
09:00	55.0	52.9	51.2	43.7	26.3	17.5	13.4	3.1	4.9
10:00	66.0	62.1	66.2	53.2	30.2	25.8	18.8	2.8	3.6
11:00	67.9	61.4	73.1	52.7	26.3	28.2	22.6	3.2	3.8
12:00	82.7	79.7	83.7	70.2	16.6	17.9	16.3	5.4	6.0
13:00	82.5	77.8	84.9	69.2	33.0	30.3	26.4	4.4	4.8
14:00	20.8	20.3	11.9	8.5	65.0	45.1	46.8	1.1	1.5
15:00	116.3	110.3	115.8	101.4	32.4	30.9	27.0	2.8	3.1
16:00	93.8	89.7	89.0	80.7	23.6	22.0	21.3	3.0	3.6
17:00	86.2	85.4	86.4	76.9	26.1	31.4	26.6	2.6	3.0
18:00	34.0	40.4	7.5	29.1	38.4	31.2	25.0	.8	1.9
19:00	23.3	59.6	291.9	48.2	55.7	27.5	24.2	.3	.5
20:00	36.5	64.7	298.6	57.1	53.0	15.5	11.3	.5	1.4
21:00	65.3	57.7	28.9	48.7	19.0	9.8	10.3	1.1	2.1
22:00	51.6	69.5	16.3	60.9	15.7	10.7	9.0	1.7	2.9
23:00	45.4	60.7	332.7	51.7	49.9	14.9	9.2	.8	2.2
Avg	55.0	56.0	352.0	47.0	39.9	31.1	26.9	.0	.0
Max	331.6	333.0	342.5	323.1	71.6	60.4	55.6	5.4	6.0
Hr. of Max	08	08	05	08	02	05	00	12	12
Min	20.8	17.9	7.5	3.3	15.7	9.8	9.0	.2	.1
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)

5/22/2017

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	.3	.2	.5	.8	.9	.0	-1.5	.00
01:00	.4	.7	.3	.5	1.1	.8	2.3	.0	.05
02:00	1.8	1.5	1.9	2.9	2.1	3.2	1.9	2.1	.02
03:00	3.4	.7	2.0	3.5	1.1	3.6	1.2	2.0	.00
04:00	.9	1.0	.8	1.3	1.4	1.6	-.3	6.8	-.03
05:00	.4	.4	.6	.9	.9	1.2	1.3	-.7	.01
06:00	.3	1.0	1.1	1.5	1.4	1.8	1.1	1.1	.01
07:00	1.6	.6	1.1	1.9	1.3	2.2	3.4	-.6	.05
08:00	3.0	1.8	3.0	3.9	2.1	4.1	-2.8	-2.2	-.23
09:00	6.1	3.5	5.3	6.4	3.9	6.7	-3.2	-.5	-.37
10:00	4.2	3.1	3.9	4.4	3.5	4.8	1.5	6.4	-.05
11:00	4.5	3.6	4.2	4.9	4.1	5.4	2.5	8.3	.07
12:00	6.6	5.5	6.3	6.8	6.0	7.3	.3	4.5	-.08
13:00	5.2	4.7	5.3	5.7	5.1	6.2	1.6	2.3	.09
14:00	1.8	2.8	3.0	3.3	3.4	3.9	-1.9	-3.3	-.14
15:00	3.1	3.3	3.6	3.7	3.8	4.2	2.5	-.7	.17
16:00	3.9	3.3	4.0	4.4	3.7	4.8	2.2	1.3	.07
17:00	3.2	2.9	3.4	3.7	3.4	4.2	2.3	5.7	.08
18:00	2.5	1.4	2.3	2.8	1.9	3.2	2.4	10.6	.05
19:00	1.1	.4	.6	1.2	.9	1.5	1.7	1.7	.02
20:00	1.8	.7	1.5	1.8	1.2	2.0	1.2	.5	.02
21:00	3.1	1.1	2.2	3.2	1.4	3.3	.4	1.3	-.01
22:00	3.9	1.8	3.0	4.0	1.9	4.2	-2.8	-.4	-.13
23:00	3.2	1.0	2.2	3.3	1.5	3.5	.2	-.3	-.02
Avg	.0	2.0	2.6	3.2	2.4	3.5	.8	1.9	-.01
Max	6.6	5.5	6.3	6.8	6.0	7.3	3.4	10.6	.17
Hr. of Max	12	12	12	12	12	12	07	18	15
Min	.1	.3	.2	.5	.8	.8	-3.2	-3.3	-.37
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/22/2017

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	1.6	2.7	2.1	6.9	7.7	21.1	21.5
01:00	.02	2.3	3.0	3.4	8.2	10.7	20.7	21.0
02:00	.07	11.7	14.9	15.1	15.9	16.1	20.8	20.8
03:00	.10	3.4	4.4	6.2	13.4	8.6	20.4	20.7
04:00	.18	2.7	2.5	4.4	8.5	19.0	19.9	20.0
05:00	-.02	1.8	2.5	2.5	8.7	13.4	19.5	19.6
06:00	.03	3.7	3.4	5.0	10.0	11.6	19.5	19.6
07:00	-.05	3.7	6.6	9.4	19.2	19.0	19.8	19.5
08:00	-.20	5.3	6.0	7.3	20.9	9.5	20.1	19.6
09:00	-.13	10.1	11.9	12.8	17.6	11.6	19.9	19.3
10:00	.38	8.5	11.2	9.8	22.2	17.8	19.8	19.1
11:00	.65	9.4	10.8	9.6	20.2	17.8	20.4	19.6
12:00	.46	12.1	14.0	12.1	13.9	13.3	20.2	19.5
13:00	.33	16.0	14.0	12.1	20.9	19.3	21.4	20.5
14:00	-.24	7.3	8.2	8.5	28.0	29.1	22.8	22.0
15:00	.11	9.8	11.2	11.4	22.0	24.5	23.6	22.8
16:00	.11	8.2	8.7	10.1	20.0	20.2	23.9	23.2
17:00	.39	8.7	7.6	8.7	21.0	19.4	24.0	23.2
18:00	.61	6.2	6.0	7.3	25.0	18.9	23.8	23.3
19:00	.04	2.3	2.7	3.0	11.2	13.8	22.5	22.8
20:00	.02	3.4	3.4	3.9	5.8	6.8	21.1	22.0
21:00	.07	3.4	4.6	6.2	8.3	5.2	20.8	20.9
22:00	-.04	6.2	5.7	10.1	9.5	5.9	20.1	20.1
23:00	-.02	3.9	6.6	7.6	8.7	4.7	19.3	19.6
Avg	.12	6.3	7.2	7.9	15.3	14.3	21.1	20.8
Max	.65	16.0	14.9	15.1	28.0	29.1	24.0	23.3
Hr. of Max	11	13	02	02	14	14	17	18
Min	-.24	1.6	2.5	2.1	5.8	4.7	19.3	19.1
Count	24	24	24	24	24	24	24	24
Total								