Date Printed: 05/19/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/18/2017

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	20.2	23.7	24.5	24.7	3.53	4.38	4.52	.85	.99
01:00	20.7	23.7	24.4	24.5	3.00	3.74	3.80	.74	.80
02:00	20.5	22.7	23.3	23.9	2.15	2.80	3.41	.65	1.26
03:00	19.9	22.7	23.4	23.8	2.78	3.42	3.89	.64	1.11
04:00	19.6	23.2	23.5	23.7	3.66	3.92	4.16	.26	.51
05:00	20.3	22.8	23.2	23.5	2.50	2.96	3.18	.45	.68
06:00	20.1	21.7	22.2	22.6	1.64	2.09	2.47	.45	.82
07:00	20.4	21.3	21.8	22.1	.91	1.41	1.68	.49	.77
08:00	23.0	22.8	22.6	22.7	-.20	-.39	-.30	-.19	-.10
09:00	25.4	24.8	24.4	24.3	-.66	-1.00	-1.16	-.35	-.50
10:00	26.4	25.6	25.2	25.1	-.80	-1.14	-1.29	-.34	-.49
11:00	27.6	26.5	26.1	25.9	-1.06	-1.45	-1.61	-.39	-.55
12:00	28.4	27.4	27.0	26.8	-1.05	-1.46	-1.62	-.40	-.57
13:00	29.5	28.2	27.8	27.7	-1.25	-1.68	-1.85	-.43	-.59
14:00	30.4	29.2	28.8	28.6	-1.26	-1.66	-1.83	-.40	-.57
15:00	30.0	29.2	28.9	28.7	-.81	-1.17	-1.31	-.36	-.50
16:00	29.4	28.9	28.6	28.5	-.55	-.85	-.93	-.30	-.39
17:00	28.9	28.3	28.1	28.1	-.51	-.72	-.78	-.21	-.27
18:00	27.9	27.6	27.5	27.5	-.29	-.39	-.36	-.10	-.06
19:00	26.3	27.0	27.1	27.3	.73	.82	.96	.09	.23
20:00	24.6	25.8	26.2	26.7	1.22	1.66	2.13	.45	.91
21:00	23.3	24.3	24.6	24.9	.97	1.26	1.58	.29	.60
22:00	22.1	23.0	23.5	23.7	.96	1.40	1.68	.44	.72
23:00	21.1	22.4	23.1	23.6	1.20	1.91	2.42	.71	1.22
Avg	24.4	25.1	25.2	25.4	.70	.83	.95	.13	.25
Max	30.4	29.2	28.9	28.7	3.66	4.38	4.52	.85	1.26
Hr. of Max	14	15	15	15	04	00	00	00	02
Min	19.6	21.3	21.8	22.1	-1.26	-1.68	-1.85	-.43	-.59
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/18/2017

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	15.6	14.8	17.1	21.3	76.6	58.6	13.1	12.3	0.011427
01:00	16.1	14.9	17.6	21.2	76.6	59.3	13.6	12.5	0.011818
02:00	16.3	15.1	17.7	21.1	78.2	63.6	13.7	12.6	0.011934
03:00	16.2	15.1	17.4	21.1	80.6	63.4	13.6	12.6	0.011868
04:00	15.9	14.6	17.1	21.0	81.0	59.8	13.4	12.3	0.011655
05:00	16.2	14.6	17.6	20.9	79.2	61.4	13.7	12.3	0.01191
06:00	16.2	15.0	17.5	20.8	79.8	67.1	13.6	12.6	0.011855
07:00	16.7	15.4	17.9	20.7	81.1	70.4	14.1	12.9	0.012271
08:00	17.0	16.3	19.0	20.7	70.8	68.5	14.3	13.7	0.012538
09:00	17.3	16.7	20.0	20.6	62.3	62.4	14.4	14.0	0.012769
10:00	17.9	17.4	20.7	20.7	61.1	62.1	14.9	14.5	0.013246
11:00	18.1	17.6	21.2	20.8	57.8	59.5	15.1	14.6	0.013451
12:00	17.9	17.5	21.4	21.0	54.3	56.3	14.8	14.5	0.013289
13:00	17.5	17.1	21.5	21.3	49.8	52.2	14.4	14.2	0.012968
14:00	17.0	16.5	21.4	21.6	45.8	47.8	14.0	13.6	0.01258
15:00	16.9	16.6	21.3	22.0	46.7	47.7	14.0	13.6	0.012566
16:00	17.3	16.9	21.3	22.2	49.5	49.7	14.3	13.9	0.012857
17:00	18.2	17.7	21.7	22.3	54.1	54.0	15.1	14.7	0.013584
18:00	19.5	18.9	22.3	22.4	61.9	60.7	16.4	15.8	0.014718
19:00	19.9	18.8	22.0	22.5	69.7	62.5	16.9	15.8	0.015085
20:00	19.5	18.5	21.2	22.6	75.4	66.1	16.6	15.6	0.014715
21:00	19.5	19.4	20.8	22.6	81.4	76.3	16.7	16.5	0.014727
22:00	19.6	19.7	20.4	22.5	87.8	83.9	16.7	16.9	0.014732
23:00	19.2	19.4	19.9	22.4	91.0	85.3	16.5	16.5	0.014435
Avg	17.6	16.9	19.8	21.5	68.9	62.4	14.7	14.1	0.013042
Max	19.9	19.7	22.3	22.6	91.0	85.3	16.9	16.9	0.015085
Hr. of Max	19	22	18	21	23	23	19	22	19
Min	15.6	14.6	17.1	20.6	45.8	47.7	13.1	12.3	0.011427
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/18/2017

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	0.010848	17.8	16.9	.00	29.12	986.1	-2.0	.00	349.1
01:00	0.010987	18.4	17.1	.00	29.11	986.0	-2.5	.00	311.3
02:00	0.01106	18.6	17.2	.00	29.11	985.9	-3.0	.00	134.6
03:00	0.011072	18.5	17.2	.00	29.11	985.7	-2.8	.00	227.7
04:00	0.010768	18.1	16.8	.00	29.11	985.7	-3.0	.00	247.3
05:00	0.010765	18.5	16.8	.00	29.12	986.2	-1.5	.00	222.7
06:00	0.011033	18.5	17.2	.00	29.14	986.9	5.3	.01	217.6
07:00	0.01128	19.1	17.6	.00	29.16	987.7	108.7	.16	202.4
08:00	0.011989	19.5	18.7	.00	29.18	988.2	248.1	.36	186.4
09:00	0.012311	19.9	19.2	.00	29.19	988.5	568.9	.82	223.6
10:00	0.012837	20.6	20.0	.00	29.19	988.5	657.4	.94	221.1
11:00	0.012994	20.9	20.2	.00	29.18	988.2	785.4	1.13	215.1
12:00	0.01296	20.7	20.2	.00	29.17	988.0	856.2	1.23	216.2
13:00	0.012653	20.2	19.7	.00	29.16	987.4	960.3	1.38	213.6
14:00	0.012216	19.6	19.0	.00	29.14	986.7	931.9	1.34	219.0
15:00	0.012251	19.5	19.0	.00	29.12	986.1	642.4	.92	216.4
16:00	0.012513	20.0	19.4	.00	29.11	985.9	425.3	.61	223.0
17:00	0.013163	21.1	20.4	.00	29.11	985.9	317.6	.46	257.7
18:00	0.014191	22.8	22.0	.00	29.11	986.0	221.4	.32	257.6
19:00	0.014136	23.3	21.9	.00	29.10	985.5	128.1	.18	244.3
20:00	0.013851	22.8	21.5	.00	29.11	986.0	17.0	.02	275.7
21:00	0.014652	22.8	22.7	.00	29.12	986.1	-2.3	.00	216.8
22:00	0.014911	22.8	23.1	.00	29.12	986.1	-2.1	.00	220.2
23:00	0.014556	22.4	22.6	.00	29.13	986.3	-2.6	.00	280.3
Avg	0.0125	20.3	19.4	.00	29.13	986.7	285.5	.41	230.0
Max	0.014911	23.3	23.1	.00	29.19	988.5	960.3	1.38	349.1
Hr. of Max	22	19	22	23	10	10	13	13	00
Min	0.010765	17.8	16.8	.00	29.10	985.5	-3.0	.00	134.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/18/2017

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	201.7	295.9	196.9	28.1	17.8	14.4	.8	2.3
01:00	253.5	220.0	292.0	214.9	47.1	16.8	19.8	.9	2.2
02:00	256.7	240.0	255.7	235.6	39.0	55.4	14.2	.2	.7
03:00	219.6	207.8	244.2	203.7	25.8	17.1	8.7	1.8	4.2
04:00	235.9	216.8	247.9	212.9	13.7	10.7	10.2	3.1	5.2
05:00	248.1	246.5	226.2	242.3	12.3	10.4	8.1	2.6	3.8
06:00	231.2	253.3	220.3	248.1	10.7	8.0	6.8	2.8	3.6
07:00	216.6	230.9	234.6	226.4	32.0	11.3	10.1	.9	2.4
08:00	215.6	222.7	198.1	218.3	25.7	18.0	15.8	1.6	2.7
09:00	229.5	224.9	225.6	220.2	26.0	19.1	16.3	5.5	7.6
10:00	231.2	226.3	221.8	221.5	27.7	22.3	17.2	5.9	8.0
11:00	218.9	216.3	214.7	212.1	32.4	26.1	21.7	5.7	7.7
12:00	222.2	221.4	216.4	217.2	26.2	20.6	16.2	7.1	9.5
13:00	220.9	218.3	214.1	214.3	27.3	19.4	15.7	7.3	10.5
14:00	224.9	223.4	218.1	219.2	31.4	23.9	19.6	6.8	9.6
15:00	225.2	223.5	215.5	219.3	26.9	20.2	16.2	6.7	9.5
16:00	230.1	227.2	224.1	223.0	27.6	17.6	13.1	5.1	7.9
17:00	257.2	251.3	256.4	246.4	36.2	19.2	13.6	2.8	4.5
18:00	254.0	247.9	259.6	243.1	36.4	17.4	12.9	1.4	2.8
19:00	242.7	237.8	258.4	233.3	37.5	10.4	9.9	1.1	2.2
20:00	242.9	241.1	263.9	236.3	33.9	8.6	5.4	1.2	2.8
21:00	243.1	239.1	232.1	234.8	31.3	9.5	6.3	2.2	4.6
22:00	220.7	224.5	229.9	220.2	32.3	16.8	14.1	1.4	2.8
23:00	239.6	201.9	281.1	198.1	47.2	10.2	7.5	1.1	2.6
Avg	233.0	227.0	238.0	223.0	29.8	17.8	13.1	.0	.0
Max	257.2	253.3	295.9	248.1	47.2	55.4	21.7	7.3	10.5
Hr. of Max	17	06	00	06	23	02	11	13	13
Min	215.6	201.7	198.1	196.9	10.7	8.0	5.4	.2	.7
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/18/2017

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	3.7	.9	2.5	3.8	1.2	4.0	1.5	-2.6	.03
01:00	2.8	1.0	2.3	2.9	1.3	3.2	2.4	-1.1	.04
02:00	2.5	.4	1.1	2.6	.9	2.9	2.5	1.0	.04
03:00	6.7	1.9	4.3	6.7	2.2	7.1	.0	-.5	-.03
04:00	6.9	3.1	5.3	7.1	3.5	7.4	-.6	-1.5	-.07
05:00	5.5	2.7	3.9	5.6	3.1	5.9	-.3	-.1	-.04
06:00	3.6	2.9	3.7	3.7	3.2	3.9	.2	.3	.00
07:00	2.8	.9	2.5	2.9	1.5	3.1	2.2	.1	.04
08:00	4.2	1.7	2.8	4.4	2.2	4.8	5.2	2.3	.14
09:00	9.0	6.0	7.9	9.4	6.6	10.0	2.9	.8	.02
10:00	9.6	6.5	8.5	10.0	7.3	10.8	1.0	2.3	-.19
11:00	9.1	6.5	8.3	9.7	7.0	10.4	4.4	3.5	.23
12:00	11.7	7.8	10.1	12.2	8.6	13.0	1.1	-.7	-.17
13:00	12.7	8.1	11.0	13.2	8.9	14.0	-.3	-.6	-.35
14:00	11.7	7.7	10.4	12.4	8.5	13.2	2.0	1.3	-.04
15:00	12.2	7.3	10.0	12.6	8.2	13.5	3.2	1.1	.02
16:00	10.1	5.5	8.3	10.4	6.3	11.0	1.5	.7	-.05
17:00	5.8	3.2	4.8	6.1	3.8	6.4	-.2	1.3	-.18
18:00	4.2	1.6	3.0	4.4	2.0	4.6	1.7	.5	-.04
19:00	3.5	1.2	2.2	3.5	1.5	3.8	-.7	-.1	-.08
20:00	4.3	1.4	2.9	4.3	1.7	4.6	-2.2	.0	-.06
21:00	6.4	2.4	4.7	6.5	2.9	6.8	.1	.5	-.07
22:00	3.8	1.8	3.3	4.6	2.2	4.8	-.4	1.6	-.03
23:00	3.5	1.2	2.6	3.5	1.5	3.7	-.8	-1.2	-.05
Avg	.0	3.5	5.3	6.8	4.0	7.2	1.1	.4	-.04
Max	12.7	8.1	11.0	13.2	8.9	14.0	5.2	3.5	.23
Hr. of Max	13	13	13	13	13	13	08	11	11
Min	2.5	.4	1.1	2.6	.9	2.9	-2.2	-2.6	-.35
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/18/2017

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	-.22	5.0	6.0	7.6	17.1	9.9	24.4	25.2
01:00	-.10	3.9	10.5	11.2	12.7	12.8	24.4	25.0
02:00	.01	3.7	5.5	8.2	11.6	11.0	23.5	24.5
03:00	-.10	6.4	8.9	12.6	11.7	6.6	23.6	24.4
04:00	-.23	6.9	10.3	13.5	9.3	6.3	24.1	24.3
05:00	-.04	11.4	13.5	14.7	6.0	5.7	23.6	24.0
06:00	.01	6.2	6.4	7.8	5.4	4.6	22.7	23.2
07:00	-.01	4.8	7.3	6.4	9.5	4.3	22.3	22.7
08:00	.14	5.3	6.0	7.8	20.5	10.5	23.8	23.3
09:00	-.11	19.2	17.6	21.3	20.4	13.5	25.7	24.8
10:00	.14	23.1	24.7	30.7	18.5	13.8	26.5	25.6
11:00	.26	23.1	20.8	21.1	20.7	16.8	27.4	26.5
12:00	-.39	28.6	31.4	34.1	18.2	11.4	28.3	27.2
13:00	-.40	20.8	21.5	22.0	17.3	11.1	29.1	28.0
14:00	.06	22.9	22.9	30.7	18.9	12.2	29.9	28.9
15:00	-.01	21.3	22.7	27.9	20.0	11.6	30.0	29.1
16:00	-.11	15.1	18.8	23.4	18.5	10.6	29.7	28.9
17:00	-.03	9.4	13.5	13.7	18.0	11.4	29.4	28.7
18:00	-.01	6.2	7.6	10.1	20.9	8.9	28.9	28.3
19:00	.00	6.0	7.1	9.6	13.1	7.1	28.4	28.1
20:00	.02	3.7	5.7	6.9	6.9	2.8	27.0	27.6
21:00	.04	7.3	11.9	12.6	8.0	3.5	25.7	26.0
22:00	.14	5.7	6.2	9.4	9.9	5.4	24.5	24.9
23:00	-.09	5.3	9.2	11.0	7.7	5.5	23.7	24.7
Avg	-.04	11.3	13.2	15.6	14.2	9.1	26.1	26.0
Max	.26	28.6	31.4	34.1	20.9	16.8	30.0	29.1
Hr. of Max	11	12	12	12	18	11	15	15
Min	-.40	3.7	5.5	6.4	5.4	2.8	22.3	22.7
Count	24	24	24	24	24	24	24	24
Total								