Date Printed: 05/28/2016 01:21

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/27/2016

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	18.8	20.3	20.6	21.3	1.52	1.82	2.53	.30	1.00
01:00	18.2	19.7	19.9	20.4	1.48	1.67	2.22	.19	.74
02:00	18.1	19.3	19.4	19.8	1.21	1.33	1.69	.12	.48
03:00	17.9	19.0	19.2	19.6	1.10	1.29	1.69	.19	.59
04:00	17.7	18.7	18.8	19.1	.93	1.07	1.40	.14	.47
05:00	17.2	18.3	18.3	18.6	1.03	1.11	1.35	.08	.32
06:00	17.0	17.8	17.9	18.2	.78	.84	1.12	.06	.34
07:00	17.8	18.1	18.1	18.2	.33	.32	.38	-.01	.05
08:00	20.2	19.9	19.7	19.6	-.28	-.49	-.60	-.20	-.31
09:00	22.6	21.9	21.6	21.5	-.67	-.95	-1.07	-.28	-.41
10:00	24.6	23.9	23.6	23.5	-.69	-1.01	-1.10	-.32	-.41
11:00	26.2	25.5	25.2	25.1	-.69	-.95	-1.06	-.27	-.37
12:00	27.5	26.5	26.2	26.1	-.96	-1.29	-1.37	-.33	-.41
13:00	28.4	27.4	27.1	27.0	-1.02	-1.28	-1.39	-.26	-.37
14:00	28.9	28.0	27.7	27.6	-.85	-1.14	-1.26	-.29	-.41
15:00	24.9	24.6	24.5	24.5	-.29	-.41	-.40	-.12	-.11
16:00	20.9	20.7	20.7	20.9	-.21	-.19	.04	.02	.25
17:00	23.7	23.2	23.0	22.9	-.47	-.72	-.78	-.24	-.31
18:00	24.4	24.2	24.1	24.0	-.20	-.34	-.38	-.14	-.18
19:00	23.1	23.9	24.0	24.0	.76	.91	.92	.15	.16
20:00	21.2	23.0	23.3	23.4	1.75	2.09	2.19	.34	.44
21:00	20.5	21.9	22.0	22.3	1.43	1.55	1.86	.13	.43
22:00	20.2	21.3	21.5	21.9	1.07	1.31	1.69	.25	.62
23:00	19.5	20.6	21.0	21.2	1.10	1.42	1.61	.32	.51
Avg	21.6	22.0	22.0	22.1	.34	.33	.47	-.01	.13
Max	28.9	28.0	27.7	27.6	1.75	2.09	2.53	.34	1.00
Hr. of Max	14	14	14	14	20	20	00	20	00
Min	17.0	17.8	17.9	18.2	-1.02	-1.29	-1.39	-.33	-.41
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/27/2016

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	17.0	17.1	17.6	22.1	91.4	83.9	14.4	14.5	0.012506
01:00	16.8	17.2	17.3	21.9	93.2	87.3	14.3	14.6	0.012317
02:00	16.9	17.2	17.3	21.7	94.3	89.4	14.3	14.6	0.012385
03:00	17.0	17.4	17.3	21.5	96.1	92.1	14.5	14.8	0.012485
04:00	16.9	17.2	17.2	21.3	97.0	93.0	14.4	14.6	0.012434
05:00	16.6	17.0	16.8	21.1	97.8	94.2	14.1	14.4	0.012133
06:00	16.4	16.8	16.6	20.9	98.0	95.6	14.0	14.3	0.012008
07:00	16.8	16.5	17.2	20.7	96.2	92.1	14.3	14.0	0.012345
08:00	17.2	16.5	18.2	20.5	84.6	82.1	14.5	13.9	0.012634
09:00	17.5	16.7	19.2	20.5	75.0	74.2	14.8	14.1	0.012928
10:00	17.5	16.6	19.9	20.5	66.1	65.0	14.6	13.9	0.012925
11:00	18.0	17.2	20.7	20.7	62.4	61.6	15.1	14.3	0.013378
12:00	17.7	16.8	21.0	21.0	56.6	56.6	14.7	14.0	0.013127
13:00	17.6	16.8	21.2	21.5	53.5	53.9	14.6	13.9	0.013069
14:00	17.3	16.6	21.1	22.1	51.1	51.1	14.3	13.7	0.012837
15:00	17.5	17.1	20.0	22.6	67.3	67.0	14.7	14.3	0.012966
16:00	19.9	19.6	20.2	23.0	96.1	95.9	17.1	16.9	0.015009
17:00	20.7	20.2	21.7	22.9	85.8	85.4	17.9	17.4	0.015865
18:00	20.6	19.9	21.9	22.9	81.4	78.7	17.7	17.0	0.015752
19:00	20.5	19.7	21.4	23.0	87.7	79.6	17.7	16.8	0.015658
20:00	20.2	19.8	20.5	23.0	96.2	84.3	17.5	16.9	0.015339
21:00	19.7	20.0	20.0	22.9	97.9	91.5	17.0	17.3	0.014894
22:00	19.5	20.3	19.7	22.8	97.9	96.4	16.8	17.6	0.014657
23:00	18.8	20.0	19.1	22.6	97.8	98.6	16.1	17.3	0.014031
Avg	18.1	17.9	19.3	21.8	84.2	81.2	15.4	15.2	0.013487
Max	20.7	20.3	21.9	23.0	98.0	98.6	17.9	17.6	0.015865
Hr. of Max	17	22	18	20	06	23	17	22	17
Min	16.4	16.5	16.6	20.5	51.1	51.1	14.0	13.7	0.012008
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)

5/27/2016

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	0.012614	19.5	19.6	.00	29.15	987.2	-1.9	.00	45.7
01:00	0.012647	19.2	19.7	.00	29.15	987.2	-1.2	.00	54.3
02:00	0.012653	19.3	19.7	.00	29.15	987.2	-1.2	.00	53.6
03:00	0.012817	19.4	19.9	.00	29.14	987.0	-1.8	.00	51.6
04:00	0.012636	19.3	19.7	.00	29.15	987.1	-1.7	.00	56.8
05:00	0.012478	18.9	19.4	.00	29.16	987.4	-1.7	.00	57.0
06:00	0.0123	18.7	19.2	.00	29.17	988.0	7.0	.01	55.4
07:00	0.012072	19.2	18.8	.00	29.19	988.4	94.3	.14	54.3
08:00	0.012042	19.7	18.8	.00	29.20	988.9	325.9	.47	76.7
09:00	0.01228	20.1	19.1	.00	29.20	988.8	544.0	.78	87.8
10:00	0.012189	20.1	19.0	.00	29.19	988.5	730.2	1.05	99.6
11:00	0.012666	20.8	19.7	.00	29.19	988.6	659.5	.95	226.7
12:00	0.012403	20.4	19.3	.00	29.19	988.4	902.5	1.29	235.0
13:00	0.012392	20.3	19.3	.00	29.16	987.5	902.2	1.29	260.2
14:00	0.012228	20.0	19.0	.00	29.14	986.9	704.4	1.01	231.1
15:00	0.01266	20.2	19.7	.54	29.15	987.2	229.7	.33	190.7
16:00	0.014782	23.3	22.9	.07	29.14	986.9	212.6	.30	41.7
17:00	0.015341	24.5	23.7	.00	29.12	986.3	436.9	.63	69.5
18:00	0.01505	24.3	23.3	.00	29.10	985.5	239.6	.34	70.7
19:00	0.014886	24.2	23.0	.00	29.10	985.4	118.1	.17	31.4
20:00	0.014952	23.7	23.1	.00	29.10	985.6	17.0	.02	21.2
21:00	0.015183	23.1	23.5	.00	29.12	986.2	-1.9	.00	45.2
22:00	0.015426	22.7	23.9	.00	29.15	987.1	-2.4	.00	45.5
23:00	0.015147	21.8	23.5	.00	29.17	987.8	-2.6	.00	9.5
Avg	0.013327	20.9	20.7	.03	29.15	987.3	254.5	.37	55.0
Max	0.015426	24.5	23.9	.54	29.20	988.9	902.5	1.29	260.2
Hr. of Max	22	17	22	15	09	08	12	13	13
Min	0.012042	18.7	18.8	.00	29.10	985.4	-2.6	.00	9.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/27/2016

Interval: 001h

	41_WDir_035m	42_WDir_060m	46_SWDir_015m	50_Sigma_015m	51_Sigma_035m	52_Sigma_060m	55_RWSpd_015m	56_RWSpd_035m	57_RWSpd_060m
Hour	DEG	DEG	DEG	DEG	DEG	DEG	MPH	MPH	MPH
00:00	64.9	57.7	46.6	17.8	12.6	5.7	1.7	2.8	4.2
01:00	63.3	57.8	55.8	19.4	11.9	10.0	1.6	2.9	4.2
02:00	60.9	70.5	55.0	36.3	19.5	8.8	1.6	3.0	4.2
03:00	61.0	70.9	53.5	14.8	11.6	7.0	1.9	3.4	4.9
04:00	60.8	60.2	58.9	17.5	14.6	6.7	1.8	3.3	5.0
05:00	59.0	60.9	59.3	18.6	10.6	5.7	1.5	2.8	4.4
06:00	65.3	69.7	57.0	20.0	10.0	5.7	1.5	3.1	4.5
07:00	57.8	64.0	56.9	17.9	10.6	7.6	1.8	3.6	5.1
08:00	70.2	65.8	79.6	25.5	22.7	17.3	3.2	3.5	4.1
09:00	83.9	76.0	89.4	22.2	17.4	17.2	3.9	4.4	4.7
10:00	90.8	86.1	106.0	37.4	41.5	45.6	2.1	1.9	1.9
11:00	244.6	242.4	230.8	43.2	40.6	35.6	2.4	2.8	3.0
12:00	239.8	234.3	239.9	40.2	32.4	29.2	3.1	4.1	4.8
13:00	279.6	278.7	264.4	48.8	41.8	40.0	2.3	2.8	3.2
14:00	240.9	238.3	234.6	55.7	44.2	39.0	2.3	3.2	3.8
15:00	201.3	201.7	198.5	53.4	47.2	29.7	4.1	6.0	7.5
16:00	52.6	69.4	43.7	34.2	20.8	18.4	2.7	4.5	5.0
17:00	68.9	72.3	71.0	30.5	22.2	16.6	2.4	3.9	5.1
18:00	78.1	78.8	73.3	32.5	22.4	18.5	2.4	3.9	4.4
19:00	50.7	60.3	33.9	29.9	19.3	15.6	1.3	3.1	3.7
20:00	60.9	63.3	20.7	16.7	9.6	8.0	2.0	3.2	4.0
21:00	68.7	67.7	46.6	15.0	8.5	6.1	1.9	3.5	4.8
22:00	67.4	69.3	46.6	16.0	9.8	3.7	1.9	3.7	4.4
23:00	60.5	67.6	11.0	15.4	12.0	5.6	1.2	1.7	2.6
Avg	66.0	70.0	56.0	28.3	21.4	16.8	.0	.0	.0
Max	279.6	278.7	264.4	55.7	47.2	45.6	4.1	6.0	7.5
Hr. of Max	13	13	13	14	15	10	15	15	15
Min	50.7	57.7	11.0	14.8	8.5	3.7	1.2	1.7	1.9
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/27/2016

Interval: 001h

	58_WSpd_015m	59_WSpd_035m	60_WSpd_060m	66_HSSpd_015m	67_HSSpd_060m	70_WElev_015m	71_WElev_060m	72_VSSpd_015m	73_VSSpd_060m
Hour	MPH	MPH	MPH	MPH	MPH	DEG	DEG	MPH	MPH
00:00	1.8	2.9	4.3	1.9	4.6	-1.5	.3	-.07	.03
01:00	1.7	3.0	4.3	1.8	4.5	.1	.5	-.04	.03
02:00	1.9	3.2	4.3	2.2	4.5	-1.3	-1.3	-.12	-.10
03:00	2.1	3.5	5.0	2.2	5.2	-1.8	-.8	-.14	-.08
04:00	1.9	3.5	5.0	2.1	5.2	-3.9	-1.6	-.17	-.14
05:00	1.6	2.9	4.5	1.7	4.7	-.6	-.8	-.06	-.07
06:00	1.6	3.2	4.6	1.8	4.8	-2.3	-.8	-.10	-.06
07:00	1.9	3.7	5.2	2.1	5.4	-5.3	-1.6	-.27	-.17
08:00	3.5	3.7	4.2	4.0	4.6	.4	8.2	.02	.48
09:00	4.1	4.6	4.9	4.5	5.2	1.1	-1.9	-.06	-.26
10:00	2.5	2.5	2.5	3.1	3.2	-1.7	1.5	-.15	-.15
11:00	3.1	3.3	3.4	3.7	4.0	-.6	5.7	-.06	.28
12:00	4.0	4.9	5.5	4.6	6.2	-.5	-.6	-.18	-.24
13:00	3.3	3.6	4.1	3.9	4.6	-5.0	-5.3	-.34	-.47
14:00	3.4	4.1	4.5	3.9	5.1	-2.1	.0	-.26	-.26
15:00	5.3	6.8	8.0	5.8	8.7	1.7	-2.3	.03	-.33
16:00	3.1	4.7	5.2	3.3	5.4	-4.9	-2.8	-.35	-.23
17:00	2.8	4.2	5.3	3.2	5.7	.2	.2	-.08	-.06
18:00	2.7	4.1	4.6	3.1	5.0	1.5	3.4	.01	.14
19:00	1.8	3.6	4.1	2.2	4.4	-1.7	.0	-.13	-.03
20:00	2.1	3.2	4.0	2.2	4.2	-.9	-1.1	-.07	-.08
21:00	2.0	3.5	4.9	2.1	5.0	-2.1	-.6	-.13	-.04
22:00	2.0	3.7	4.4	2.1	4.6	-3.2	-.7	-.16	-.06
23:00	1.3	1.7	2.6	1.4	2.8	1.5	.3	.02	.03
Avg	2.6	3.7	4.6	2.9	4.9	-1.4	-.1	-.12	-.08
Max	5.3	6.8	8.0	5.8	8.7	1.7	8.2	.03	.48
Hr. of Max	15	15	15	15	15	15	08	15	08
Min	1.3	1.7	2.5	1.4	2.8	-5.3	-5.3	-.35	-.47
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/27/2016

Interval: 001h

	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	82_SPkWsH_015m	83_SPkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	86_SonicTemp_015m	87_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	4.8	5.7	8.5	3.7	6.6	8.2	2.9	21.5	22.3
01:00	4.1	6.4	11.4	4.5	7.1	9.1	4.8	20.9	21.4
02:00	5.0	5.7	7.8	5.4	7.8	10.7	6.2	20.6	20.8
03:00	4.1	6.6	8.0	4.9	8.2	9.4	3.9	20.3	20.6
04:00	4.6	7.8	12.8	4.2	7.3	10.7	3.3	19.9	20.1
05:00	3.7	6.4	8.2	4.3	8.1	10.1	4.2	19.4	19.5
06:00	3.2	10.5	11.4	3.9	7.6	9.9	3.3	19.0	19.1
07:00	4.6	8.5	8.2	5.9	8.6	13.9	6.0	19.3	19.0
08:00	8.5	7.6	9.4	8.7	9.2	16.8	16.6	21.2	20.5
09:00	8.5	9.4	14.4	9.2	9.2	18.3	16.4	23.1	22.4
10:00	8.2	8.0	8.2	7.0	9.2	28.1	31.8	25.2	24.5
11:00	8.2	9.6	10.5	10.7	11.7	22.3	25.8	26.5	25.7
12:00	11.2	12.1	11.9	15.4	14.9	22.5	21.8	27.5	26.6
13:00	14.7	14.9	16.5	9.4	11.8	24.8	25.9	28.4	27.5
14:00	12.8	14.0	12.6	13.3	15.3	23.4	23.4	28.9	28.1
15:00	29.8	33.7	37.8	29.7	67.6	24.4	25.4	25.8	25.3
16:00	8.5	9.4	11.0	9.4	50.7	16.4	9.0	22.3	22.0
17:00	8.2	11.0	16.3	8.9	11.4	22.3	15.1	24.9	24.1
18:00	6.6	8.7	9.8	7.6	9.9	20.0	16.9	25.8	25.2
19:00	7.8	8.7	9.2	8.4	8.0	17.4	10.1	25.4	25.1
20:00	3.7	5.0	6.0	4.1	6.2	7.5	3.8	24.4	24.6
21:00	5.0	6.4	7.6	3.8	7.6	10.8	3.0	23.4	23.6
22:00	4.6	7.3	9.8	5.1	7.1	8.9	2.8	22.8	23.2
23:00	3.9	5.7	7.3	2.8	5.4	8.0	4.6	22.1	22.4
Avg	7.7	9.5	11.4	7.9	13.2	15.6	12.0	23.3	23.1
Max	29.8	33.7	37.8	29.7	67.6	28.1	31.8	28.9	28.1
Hr. of Max	15	15	15	15	15	10	10	14	14
Min	3.2	5.0	6.0	2.8	5.4	7.5	2.8	19.0	19.0
Count	24	24	24	24	24	24	24	24	24
Total									