Date Printed: 06/12/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/11/2016

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	18.0	19.7	20.4	21.3	1.70	2.43	3.25	.73	1.56
01:00	17.5	19.3	19.8	20.7	1.82	2.28	3.20	.46	1.38
02:00	17.2	18.9	19.1	20.3	1.67	1.92	3.08	.25	1.41
03:00	16.6	18.1	18.5	19.0	1.45	1.89	2.40	.43	.94
04:00	16.5	17.8	18.3	18.9	1.35	1.81	2.38	.47	1.03
05:00	16.0	17.5	17.9	18.5	1.52	1.91	2.50	.39	.98
06:00	15.9	17.1	17.6	18.3	1.21	1.75	2.38	.54	1.17
07:00	17.8	18.3	18.3	18.5	.45	.53	.68	.08	.22
08:00	21.2	21.0	20.7	20.6	-.26	-.52	-.65	-.26	-.38
09:00	24.2	23.7	23.4	23.2	-.54	-.84	-.98	-.30	-.44
10:00	26.8	26.0	25.7	25.6	-.81	-1.10	-1.21	-.30	-.40
11:00	28.8	27.8	27.4	27.3	-1.01	-1.39	-1.49	-.38	-.47
12:00	30.2	29.1	28.8	28.7	-1.05	-1.41	-1.52	-.36	-.47
13:00	31.6	30.4	30.0	30.0	-1.20	-1.54	-1.60	-.34	-.41
14:00	32.5	31.4	31.0	30.9	-1.10	-1.46	-1.57	-.37	-.47
15:00	33.1	32.2	31.8	31.6	-.90	-1.30	-1.44	-.40	-.54
16:00	33.1	32.4	32.0	31.9	-.70	-1.08	-1.24	-.38	-.55
17:00	32.9	32.5	32.1	31.9	-.44	-.80	-1.01	-.36	-.57
18:00	32.2	32.2	32.0	31.9	.00	-.22	-.33	-.22	-.33
19:00	28.7	29.5	31.3	31.6	.83	2.64	2.88	1.81	2.05
20:00	26.0	28.5	30.3	30.8	2.49	4.27	4.79	1.78	2.30
21:00	23.9	26.2	27.1	28.3	2.33	3.28	4.47	.95	2.14
22:00	22.3	24.5	25.4	26.2	2.22	3.06	3.84	.84	1.62
23:00	21.3	23.3	24.0	24.9	1.98	2.68	3.57	.70	1.59
Avg	24.3	24.9	25.1	25.5	.54	.78	1.10	.24	.56
Max	33.1	32.5	32.1	31.9	2.49	4.27	4.79	1.81	2.30
Hr. of Max	16	17	17	18	20	20	20	19	20
Min	15.9	17.1	17.6	18.3	-1.20	-1.54	-1.60	-.40	-.57
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/11/2016

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	15.8	16.2	16.5	23.5	88.5	81.7	13.4	13.7	0.011523
01:00	15.6	16.4	16.2	23.3	90.4	84.8	13.3	13.8	0.011389
02:00	15.6	16.3	16.1	23.1	92.1	87.0	13.3	13.8	0.011386
03:00	15.2	16.4	15.7	22.9	93.4	92.1	13.0	14.0	0.011122
04:00	15.3	16.4	15.7	22.7	94.5	93.0	13.0	13.9	0.011158
05:00	14.8	16.5	15.2	22.5	94.5	95.9	12.7	14.1	0.010809
06:00	14.8	16.5	15.2	22.3	95.2	97.9	12.7	14.0	0.010821
07:00	16.5	16.1	16.9	22.1	94.0	89.1	14.0	13.6	0.012051
08:00	17.3	16.3	18.6	21.9	80.0	76.4	14.6	13.7	0.012698
09:00	17.6	16.7	19.8	21.8	68.2	66.4	14.7	13.9	0.012966
10:00	17.7	16.7	20.7	21.8	59.2	58.2	14.8	13.9	0.013119
11:00	17.0	15.9	20.9	22.0	50.3	49.5	14.1	13.1	0.012565
12:00	17.6	16.5	21.8	22.3	48.1	47.7	14.5	13.6	0.013025
13:00	17.3	16.2	22.0	22.8	43.8	43.8	14.2	13.3	0.012815
14:00	16.4	15.5	21.8	23.4	39.6	39.7	13.5	12.8	0.012191
15:00	14.9	13.9	21.0	23.9	34.8	34.2	12.3	11.5	0.011103
16:00	14.9	13.7	20.9	24.3	34.5	33.3	12.2	11.3	0.011041
17:00	15.6	14.6	21.4	24.7	36.7	35.2	12.8	12.0	0.011606
18:00	16.9	15.3	22.0	25.0	41.5	37.5	13.9	12.6	0.012574
19:00	19.3	17.6	22.4	25.2	58.6	50.2	16.2	14.5	0.014535
20:00	19.0	17.0	21.4	25.3	67.1	51.3	16.0	14.1	0.014276
21:00	18.7	17.7	20.4	25.3	74.9	60.9	15.8	14.7	0.013991
22:00	18.2	18.0	19.6	25.1	79.4	68.7	15.4	15.1	0.013506
23:00	18.2	18.5	19.2	24.9	84.1	76.3	15.4	15.7	0.013465
Avg	16.7	16.3	19.2	23.4	68.5	64.6	14.0	13.6	0.012322
Max	19.3	18.5	22.4	25.3	95.2	97.9	16.2	15.7	0.014535
Hr. of Max	19	23	19	21	06	06	19	23	19
Min	14.8	13.7	15.2	21.8	34.5	33.3	12.2	11.3	0.010809
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)

6/11/2016

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	0.011837	18.0	18.5	.00	29.18	988.3	-1.7	.00	281.7
01:00	0.01197	17.8	18.7	.00	29.18	988.3	-2.3	.00	22.1
02:00	0.011949	17.8	18.6	.00	29.18	988.3	-3.2	.00	32.7
03:00	0.012025	17.4	18.8	.00	29.20	988.8	-3.2	.00	281.2
04:00	0.011964	17.4	18.7	.00	29.21	989.1	-3.0	.00	30.7
05:00	0.012085	16.9	18.9	.00	29.22	989.4	-3.1	.00	338.5
06:00	0.012016	16.9	18.8	.00	29.23	989.8	8.7	.01	32.6
07:00	0.011744	18.8	18.3	.00	29.24	990.2	113.3	.16	82.0
08:00	0.01193	19.8	18.6	.00	29.24	990.3	355.6	.51	150.2
09:00	0.01222	20.2	19.1	.00	29.24	990.3	561.4	.80	219.8
10:00	0.012297	20.5	19.2	.00	29.24	990.3	742.3	1.06	223.4
11:00	0.011649	19.6	18.2	.00	29.24	990.2	888.3	1.27	219.6
12:00	0.012154	20.3	19.0	.00	29.23	989.9	982.8	1.41	217.4
13:00	0.011975	20.0	18.7	.00	29.21	989.2	1020.9	1.46	209.9
14:00	0.011485	19.0	17.9	.00	29.19	988.6	1002.6	1.44	204.4
15:00	0.010343	17.3	16.2	.00	29.18	988.3	931.4	1.34	229.1
16:00	0.010236	17.2	16.0	.00	29.17	987.8	541.8	.78	214.6
17:00	0.010871	18.1	17.0	.00	29.15	987.3	378.5	.54	204.9
18:00	0.011375	19.6	17.7	.00	29.14	986.9	297.9	.43	217.8
19:00	0.013061	22.5	20.3	.00	29.14	986.8	167.2	.24	305.4
20:00	0.012583	22.1	19.6	.00	29.15	987.1	25.4	.04	316.9
21:00	0.013079	21.7	20.3	.00	29.16	987.4	-2.4	.00	290.5
22:00	0.013353	21.0	20.8	.00	29.17	988.0	-1.9	.00	287.2
23:00	0.013789	20.9	21.4	.00	29.18	988.3	-3.1	.00	326.7
Avg	0.012	19.2	18.7	.00	29.19	988.7	333.1	.48	262.0
Max	0.013789	22.5	21.4	.00	29.24	990.3	1020.9	1.46	338.5
Hr. of Max	23	19	23	23	11	10	13	13	05
Min	0.010236	16.9	16.0	.00	29.14	986.8	-3.2	.00	22.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/11/2016

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	238.9	189.0	270.7	25.1	51.6	25.0	.7	1.2	.8
01:00	57.1	101.7	24.1	25.9	22.3	18.6	1.0	1.1	.4
02:00	71.0	59.9	34.2	28.2	11.8	7.5	.9	2.0	2.8
03:00	87.2	100.0	278.9	27.3	31.6	9.4	.9	.1	1.9
04:00	51.2	71.3	28.2	21.9	17.8	20.2	1.0	1.7	2.5
05:00	67.8	58.0	329.4	62.8	13.8	11.5	.3	1.2	1.6
06:00	61.3	70.7	34.6	38.0	13.1	8.4	.5	1.3	1.6
07:00	68.0	63.3	93.5	29.3	21.6	9.5	.4	1.2	2.8
08:00	147.8	130.5	165.3	40.4	36.2	22.0	.5	.6	.7
09:00	226.3	212.1	223.8	29.0	22.5	23.8	2.3	2.8	2.7
10:00	230.0	225.5	229.4	38.0	32.6	28.1	2.2	2.7	3.2
11:00	223.5	220.5	225.0	27.7	21.7	19.3	4.0	5.1	5.7
12:00	222.5	219.4	221.3	39.2	32.7	23.7	3.7	4.8	5.5
13:00	219.9	216.2	215.9	30.5	26.5	22.5	4.8	6.0	6.8
14:00	213.0	212.9	209.9	27.3	23.3	19.3	5.7	7.4	8.6
15:00	236.5	235.8	234.9	29.3	24.2	19.2	5.3	7.1	8.5
16:00	222.4	222.9	220.7	25.8	19.7	16.9	5.3	6.8	8.1
17:00	210.2	208.9	209.2	26.3	20.0	17.3	3.9	5.2	6.1
18:00	224.0	215.0	223.5	40.1	25.9	19.4	2.0	2.8	3.5
19:00	279.4	258.5	302.3	17.4	17.4	22.4	.9	2.2	2.2
20:00	319.8	315.2	314.1	27.7	18.7	7.7	1.0	2.9	5.1
21:00	222.5	207.8	275.5	32.7	53.3	38.5	.4	.3	1.0
22:00	246.0	208.0	276.9	17.4	22.2	19.5	.4	.3	1.2
23:00	40.5	185.7	302.8	62.8	47.0	17.1	.4	.2	1.1
Avg	212.0	190.0	258.0	32.1	26.1	18.6	.0	.0	.0
Max	319.8	315.2	329.4	62.8	53.3	38.5	5.7	7.4	8.6
Hr. of Max	20	20	05	23	21	21	14	14	14
Min	40.5	58.0	24.1	17.4	11.8	7.5	.3	.1	.4
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)

6/11/2016

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	.8	1.2	1.1	1.0	1.6	.6	1.2	.01	.04
01:00	1.1	1.2	.9	1.2	1.4	1.8	-.2	.04	.01
02:00	1.0	2.1	2.8	1.2	3.0	2.4	.7	.04	.04
03:00	1.0	.9	2.1	1.4	2.3	.5	-.5	.01	.01
04:00	1.2	2.0	2.6	1.3	2.9	1.8	.6	.05	.02
05:00	.5	1.2	1.7	.7	2.0	1.5	1.0	.02	.03
06:00	.8	1.3	1.6	1.0	2.0	1.0	.5	.00	.02
07:00	.5	1.2	2.8	.8	3.0	3.0	-.8	.05	-.07
08:00	.7	.8	1.0	1.3	1.4	3.0	-1.0	.05	-.03
09:00	2.7	3.0	3.0	3.1	3.3	-1.1	-1.3	-.14	-.15
10:00	2.7	3.1	3.5	3.2	4.0	.5	-4.2	-.06	-.29
11:00	4.6	5.6	6.1	5.1	6.5	-.9	-3.7	-.22	-.53
12:00	4.6	5.4	5.9	5.1	6.5	.1	.0	-.22	-.22
13:00	5.4	6.5	7.2	6.0	7.8	.1	-2.9	-.24	-.49
14:00	6.3	8.0	9.1	7.0	9.8	1.7	.9	-.04	-.15
15:00	6.2	7.8	9.2	7.0	9.9	-2.0	-.3	-.40	-.22
16:00	5.9	7.3	8.5	6.5	9.1	.4	-.7	-.19	-.31
17:00	4.3	5.5	6.3	4.9	6.8	1.4	-.1	-.06	-.19
18:00	2.3	3.0	3.7	2.9	4.0	.7	1.4	-.04	.00
19:00	.9	2.3	2.5	1.2	2.6	3.1	-1.2	.03	-.03
20:00	1.1	2.9	5.2	1.2	5.1	.9	1.4	.01	.08
21:00	.5	.9	1.5	.8	1.9	.3	2.6	.00	.14
22:00	.4	.4	1.3	.7	1.6	.4	.4	.00	.01
23:00	.6	1.2	1.2	.9	1.5	2.1	-1.2	.03	.02
Avg	2.3	3.1	3.8	2.7	4.2	1.0	-.3	-.05	-.09
Max	6.3	8.0	9.2	7.0	9.9	3.1	2.6	.05	.14
Hr. of Max	14	14	15	15	15	19	21	08	21
Min	.4	.4	.9	.7	1.4	-2.0	-4.2	-.40	-.53
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/11/2016

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	3.4	3.4	3.4	3.9	3.2	5.2	3.7	20.7	22.2
01:00	2.3	3.0	5.3	2.8	2.8	7.0	6.2	20.4	21.7
02:00	2.5	3.9	5.3	3.2	5.6	7.2	2.7	20.0	21.3
03:00	3.0	3.0	8.5	3.3	5.0	6.1	4.4	19.2	19.9
04:00	3.0	3.7	4.4	3.0	4.4	7.4	3.3	18.9	19.9
05:00	2.3	2.3	5.7	1.8	3.3	8.6	3.9	18.6	19.5
06:00	2.7	3.2	3.9	2.7	4.2	8.7	5.7	18.1	19.2
07:00	3.4	5.7	7.6	2.8	5.4	17.0	8.1	19.5	19.3
08:00	2.7	3.0	3.9	3.5	4.8	30.2	24.6	22.3	21.6
09:00	7.3	6.9	6.9	7.4	7.9	22.6	21.1	24.7	23.9
10:00	7.1	7.3	10.3	8.5	10.8	25.7	23.3	26.9	26.1
11:00	10.5	11.9	11.7	11.3	12.7	18.7	15.7	28.5	27.6
12:00	11.4	12.4	12.8	12.6	13.6	20.0	21.3	29.9	29.0
13:00	15.8	15.8	16.7	15.7	14.7	19.4	16.0	31.1	30.2
14:00	16.9	19.7	20.8	16.1	19.7	17.9	15.5	32.0	31.1
15:00	15.1	16.5	16.9	16.4	17.7	18.3	13.1	32.5	31.6
16:00	14.0	16.7	15.6	16.2	16.8	17.9	13.5	32.7	31.9
17:00	16.0	16.0	18.5	12.3	13.4	19.0	15.4	32.9	32.1
18:00	7.1	6.9	13.1	7.7	10.1	19.8	16.4	32.8	32.1
19:00	2.5	6.2	5.7	2.8	5.8	12.4	9.7	30.7	31.9
20:00	4.4	7.6	8.9	4.8	8.5	10.8	6.2	29.3	31.3
21:00	2.1	4.1	13.1	2.4	7.1	12.0	15.0	27.2	29.1
22:00	2.1	2.1	2.7	2.5	3.0	5.7	3.7	25.7	27.3
23:00	2.5	4.1	5.3	2.5	4.2	8.0	7.5	24.6	26.2
Avg	6.7	7.7	9.5	6.9	8.5	14.4	11.5	25.8	26.1
Max	16.9	19.7	20.8	16.4	19.7	30.2	24.6	32.9	32.1
Hr. of Max	14	14	14	15	14	08	08	17	18
Min	2.1	2.1	2.7	1.8	2.8	5.2	2.7	18.1	19.2
Count	24	24	24	24	24	24	24	24	24
Total									