Date Printed: 06/10/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/9/2016

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	14.1	16.9	18.0	18.9	2.83	3.97	4.82	1.14	1.99
01:00	13.3	15.9	17.2	18.0	2.58	3.87	4.61	1.28	2.03
02:00	12.8	15.5	16.4	17.2	2.72	3.66	4.45	.94	1.72
03:00	12.3	14.8	15.6	16.4	2.58	3.32	4.15	.73	1.57
04:00	11.6	13.8	14.6	15.9	2.21	2.98	4.36	.77	2.15
05:00	11.2	13.2	13.7	14.8	2.08	2.54	3.65	.46	1.57
06:00	11.1	12.9	13.5	14.4	1.80	2.42	3.33	.62	1.53
07:00	13.3	14.3	14.6	14.7	1.03	1.29	1.42	.25	.38
08:00	17.3	17.2	17.0	16.9	-.18	-.37	-.50	-.19	-.31
09:00	20.0	19.4	19.0	18.8	-.59	-.92	-1.13	-.33	-.54
10:00	21.3	20.4	20.0	19.8	-.91	-1.29	-1.46	-.38	-.56
11:00	22.9	22.0	21.6	21.4	-.97	-1.37	-1.56	-.39	-.59
12:00	24.2	23.1	22.8	22.6	-1.05	-1.41	-1.58	-.36	-.53
13:00	25.3	24.1	23.7	23.5	-1.20	-1.58	-1.73	-.39	-.54
14:00	26.2	25.0	24.7	24.6	-1.14	-1.44	-1.60	-.30	-.46
15:00	27.0	26.1	25.7	25.6	-.95	-1.29	-1.45	-.34	-.50
16:00	27.3	26.6	26.3	26.1	-.70	-1.05	-1.22	-.34	-.52
17:00	27.3	26.9	26.5	26.4	-.45	-.76	-.93	-.31	-.48
18:00	26.5	26.5	26.4	26.4	-.07	-.15	-.19	-.08	-.12
19:00	23.8	24.9	25.6	25.8	1.15	1.80	2.03	.64	.87
20:00	20.9	23.2	24.1	24.4	2.33	3.23	3.52	.90	1.19
21:00	18.5	21.4	22.0	22.9	2.94	3.53	4.47	.59	1.53
22:00	17.0	20.0	20.2	21.5	2.93	3.12	4.52	.19	1.58
23:00	15.8	18.5	18.9	20.3	2.73	3.11	4.55	.38	1.82
Avg	19.2	20.1	20.3	20.7	.90	1.13	1.52	.23	.62
Max	27.3	26.9	26.5	26.4	2.94	3.97	4.82	1.28	2.15
Hr. of Max	17	17	17	18	21	00	00	01	04
Min	11.1	12.9	13.5	14.4	-1.20	-1.58	-1.73	-.39	-.59
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)

6/9/2016

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	11.3	10.9	12.2	22.8	84.6	68.6	10.1	9.8	0.008584
01:00	11.1	11.1	11.8	22.5	87.5	74.5	10.0	10.0	0.00846
02:00	10.9	11.1	11.5	22.3	89.9	76.2	9.9	9.9	0.008366
03:00	10.7	10.7	11.2	22.0	91.6	77.1	9.8	9.7	0.008256
04:00	10.2	10.1	10.6	21.7	92.2	79.4	9.5	9.4	0.007952
05:00	9.9	9.9	10.3	21.4	93.0	81.5	9.3	9.3	0.007791
06:00	9.9	10.1	10.3	21.2	93.4	84.2	9.3	9.4	0.007793
07:00	11.1	10.1	11.8	20.9	87.9	76.8	10.0	9.3	0.008437
08:00	11.2	9.8		20.7	68.3	63.0	10.0	9.1	0.008517
09:00	10.4	9.0		20.5	55.1	52.0	9.4	8.6	0.008105
10:00	10.6	9.3		20.5	51.6	49.9	9.5	8.7	0.008257
11:00	10.8	9.3		20.6	47.3	45.4	9.6	8.7	0.008362
12:00	10.5	9.1		20.8	43.1	41.7	9.4	8.6	0.008211
13:00	10.5	9.1	15.4	21.3	40.4	39.4	9.3	8.5	0.008216
14:00	10.3	8.8	15.6	21.9	37.9	36.5	9.2	8.3	0.008133
15:00	9.9	8.3	15.6	22.3	35.1	33.4	9.0	8.1	0.007934
16:00	8.9	7.3	15.0	22.7	32.3	30.1	8.4	7.5	0.007437
17:00	8.6	7.1	14.8	23.0	31.6	29.3	8.2	7.4	0.007277
18:00	11.4	9.6	16.5	23.3	40.3	35.7	10.0	8.8	0.008814
19:00	14.0	11.4	17.2	23.5	55.6	43.9	11.8	9.9	0.010332
20:00	13.9	10.4	16.3	23.5	65.7	45.2	11.8	9.3	0.010286
21:00	12.2	9.5	14.3	23.4	68.1	47.8	10.6	8.9	0.009151
22:00	12.1	10.8	13.7	23.3	74.0	56.7	10.6	9.7	0.00907
23:00	12.0	11.0	13.2	23.0	79.2	62.5	10.5	9.8	0.008974
Avg	10.9	9.7	13.5	22.0	64.4	55.5	9.8	9.0	0.008446
Max	14.0	11.4	17.2	23.5	93.4	84.2	11.8	10.0	0.010332
Hr. of Max	19	19	19	20	06	06	20	01	19
Min	8.6	7.1	10.3	20.5	31.6	29.3	8.2	7.4	0.007277
Count	24	24	19	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)

6/9/2016

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	0.008352	13.4	13.1	.00	29.11	985.9	-2.4	.00	45.3
01:00	0.008509	13.2	13.3	.00	29.13	986.3	-2.1	.00	51.2
02:00	0.008462	13.1	13.2	.00	29.13	986.3	-1.5	.00	47.3
03:00	0.00823	12.9	12.9	.00	29.12	986.2	-2.1	.00	69.5
04:00	0.007913	12.5	12.4	.00	29.13	986.4	-2.4	.00	324.3
05:00	0.00783	12.2	12.3	.00	29.14	986.7	-2.4	.00	3.3
06:00	0.007907	12.2	12.4	.00	29.16	987.4	7.7	.01	26.1
07:00	0.007892	13.2	12.4	.00	29.17	988.0	123.8	.18	73.0
08:00	0.007772	13.3	12.2	.00	29.18	988.3	383.3	.55	70.8
09:00	0.007368	12.7	11.6	.00	29.19	988.4	598.2	.86	76.6
10:00	0.007537	12.9	11.8	.00	29.18	988.3	782.3	1.12	90.8
11:00	0.007565	13.1	11.9	.00	29.18	988.3	929.1	1.33	93.4
12:00	0.007466	12.9	11.7	.00	29.18	988.1	1021.8	1.46	101.7
13:00	0.007463	12.9	11.7	.00	29.16	987.6	1054.7	1.51	123.2
14:00	0.007314	12.7	11.5	.00	29.14	987.0	1023.3	1.47	119.5
15:00	0.007136	12.4	11.2	.00	29.13	986.4	939.5	1.35	109.3
16:00	0.006645	11.6	10.4	.00	29.11	985.7	540.1	.77	85.0
17:00	0.006571	11.4	10.3	.00	29.10	985.6	360.6	.52	108.2
18:00	0.007789	13.8	12.2	.00	29.10	985.4	267.9	.38	350.0
19:00	0.008745	16.1	13.7	.00	29.10	985.4	158.2	.23	341.2
20:00	0.00815	16.0	12.7	.00	29.10	985.5	27.4	.04	346.4
21:00	0.007692	14.3	12.0	.00	29.12	986.0	-2.0	.00	9.0
22:00	0.008364	14.2	13.1	.00	29.13	986.5	-1.2	.00	34.4
23:00	0.008417	14.0	13.2	.00	29.14	986.8	-2.0	.00	25.9
Avg	0.007795	13.2	12.2	.00	29.14	986.8	341.7	.49	55.0
Max	0.008745	16.1	13.7	.00	29.19	988.4	1054.7	1.51	350.0
Hr. of Max	19	19	19	23	09	09	13	13	18
Min	0.006571	11.4	10.3	.00	29.10	985.4	-2.4	.00	3.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/9/2016

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	51.0	65.2	48.5	20.1	7.7	3.9	1.3	2.5	5.4
01:00	53.4	52.5	55.5	20.7	10.7	4.3	1.0	2.3	4.5
02:00	60.2	55.8	50.6	16.8	7.9	2.7	1.4	3.2	5.6
03:00	52.7	58.2	71.9	12.8	8.8	3.6	1.2	3.1	6.4
04:00	47.0	61.4	297.9	40.9	18.4	4.6	.2	1.7	4.7
05:00	60.8	58.2	6.6	48.0	8.6	4.7	.2	1.5	3.8
06:00	55.2	53.1	33.2	32.3	10.4	4.6	.5	2.1	4.2
07:00	61.0	60.2	77.1	24.9	14.3	9.1	1.4	3.0	5.2
08:00	68.8	63.0	74.0	24.2	17.4	12.1	3.3	4.7	5.9
09:00	69.5	65.6	78.4	25.6	24.3	17.7	4.7	5.7	6.7
10:00	84.3	79.8	91.9	20.8	20.8	16.5	5.4	6.2	6.6
11:00	89.8	86.6	96.1	24.3	26.0	24.5	4.5	5.0	5.5
12:00	98.0	93.1	105.5	27.7	29.7	27.6	4.4	4.9	5.2
13:00	118.8	109.4	127.0	45.2	42.6	35.1	3.1	3.5	4.1
14:00	107.3	98.2	119.1	55.8	58.7	37.8	2.0	2.6	3.3
15:00	87.5	73.1	113.8	46.6	43.0	37.1	2.0	1.8	2.0
16:00	83.8	79.3	90.3	52.0	45.6	41.9	2.3	2.9	3.2
17:00	108.9	105.8	109.7	43.7	43.7	38.3	2.1	2.2	2.6
18:00	38.5	54.6	355.4	53.5	49.9	43.5	.7	1.6	2.2
19:00	38.1	60.0	338.7	21.0	11.7	17.3	1.4	2.8	3.7
20:00	47.6	70.4	346.3	17.5	8.1	10.6	1.4	2.6	2.8
21:00	62.8	54.1	12.4	17.5	11.3	7.4	1.2	2.2	2.8
22:00	67.5	69.4	34.2	16.8	7.0	5.6	1.3	2.2	4.0
23:00	68.6	74.1	25.7	21.0	9.4	8.4	.9	1.8	2.8
Avg	69.0	70.0	58.0	30.4	22.3	17.5	.0	.0	.0
Max	118.8	109.4	355.4	55.8	58.7	43.5	5.4	6.2	6.7
Hr. of Max	13	13	18	14	14	18	10	10	09
Min	38.1	52.5	6.6	12.8	7.0	2.7	.2	1.5	2.0
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)

6/9/2016

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	1.4	2.6	5.5	1.5	5.7	2.3	.3	.06	.02
01:00	1.0	2.3	4.5	1.2	4.7	4.1	.2	.09	.02
02:00	1.5	3.2	5.6	1.6	5.8	1.5	.2	.02	.02
03:00	1.3	3.2	6.4	1.4	6.7	1.2	.0	.02	-.02
04:00	.4	1.7	4.8	.6	5.0	1.1	2.3	.02	.21
05:00	.3	1.5	3.8	.5	4.0	1.5	1.9	.02	.14
06:00	.6	2.2	4.3	.9	4.4	2.6	2.2	.03	.16
07:00	1.6	3.1	5.3	1.8	5.6	.4	.2	-.02	-.08
08:00	3.6	4.9	6.0	4.1	6.4	.9	1.3	-.01	.07
09:00	5.1	6.1	7.0	5.7	7.5	.6	4.8	-.09	.43
10:00	5.7	6.5	6.9	6.1	7.4	1.4	1.4	.04	.07
11:00	4.8	5.5	6.0	5.5	6.5	-.3	2.5	-.02	.26
12:00	4.9	5.5	5.8	5.6	6.3	-.3	.5	-.10	-.02
13:00	3.9	4.5	4.9	4.9	5.6	1.4	-.2	.06	.04
14:00	3.6	3.7	3.9	4.3	4.6	4.4	.6	.17	.14
15:00	3.3	3.6	4.0	4.0	4.7	3.3	.4	.19	.08
16:00	3.1	3.7	3.9	3.8	4.5	5.6	7.1	.22	.48
17:00	2.7	3.0	3.2	3.4	3.8	.9	8.6	.02	.53
18:00	1.3	2.2	2.7	1.8	3.1	2.5	9.4	.09	.53
19:00	1.5	2.9	3.7	1.7	4.0	1.6	-.5	.00	-.04
20:00	1.5	2.6	2.9	1.7	3.0	2.5	-.5	.09	-.03
21:00	1.4	2.3	2.9	1.5	3.0	1.1	.7	.01	.04
22:00	1.4	2.2	4.0	1.6	4.2	-.6	1.1	-.01	.08
23:00	1.1	1.8	2.8	1.2	3.1	1.8	.8	.04	.05
Avg	2.4	3.4	4.6	2.8	5.0	1.7	1.9	.04	.13
Max	5.7	6.5	7.0	6.1	7.5	5.6	9.4	.22	.53
Hr. of Max	10	10	09	10	09	16	18	16	18
Min	.3	1.5	2.7	.5	3.0	-.6	-.5	-.10	-.08
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/9/2016

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	2.7	4.6	9.4	2.9	8.4	6.5	2.5	17.4	19.2
01:00	2.5	4.6	9.2	2.7	7.1	8.6	2.6	16.5	18.3
02:00	3.0	4.8	9.6	3.2	7.0	6.1	2.0	16.1	17.5
03:00	4.4	5.7	12.1	3.2	9.4	6.7	2.7	15.5	16.8
04:00	1.6	3.7	10.3	1.8	6.3	8.1	2.4	14.4	16.4
05:00	1.6	2.3	7.1	1.8	5.4	7.7	2.1	13.8	15.2
06:00	3.0	5.3	6.9	2.7	7.1	9.4	2.5	13.5	14.8
07:00	4.1	6.4	12.4	4.7	9.3	15.0	8.6	15.0	15.0
08:00	9.6	10.5	13.5			19.1	11.1	17.8	17.1
09:00	14.2	15.6	11.9			18.9	15.1	19.9	19.0
10:00	18.3	18.5	19.0			16.7	16.3	20.9	20.0
11:00	11.9	14.2	15.1			18.8	19.7	22.5	21.6
12:00	12.1	12.4	11.4			17.9	19.1	23.6	22.8
13:00	11.2	11.4	11.7	11.3	12.5	20.1	23.3	24.5	23.7
14:00	11.0	16.5	16.7	11.8	10.4	25.2	28.8	25.5	24.7
15:00	8.7	10.1	9.4	10.0	11.4	23.6	25.8	26.3	25.5
16:00	8.7	9.2	9.4	10.7	10.6	26.0	25.3	26.9	26.0
17:00	8.5	12.8	9.8	8.3	9.5	25.7	26.7	27.1	26.4
18:00	4.6	5.3	5.7	5.5	6.9	24.0	19.7	26.9	26.4
19:00	3.4	6.4	7.1	4.0	7.4	11.6	11.9	25.4	25.9
20:00	3.7	6.4	7.8	3.9	4.7	9.4	5.7	23.5	24.8
21:00	3.2	4.4	5.5	3.2	4.2	8.5	2.5	21.7	23.3
22:00	3.4	6.2	5.3	2.8	5.1	7.4	2.8	20.6	22.0
23:00	2.7	3.9	7.8	2.6	4.4	7.9	5.1	19.1	20.8
Avg	6.6	8.4	10.2	5.1	7.7	14.5	11.8	20.6	21.0
Max	18.3	18.5	19.0	11.8	12.5	26.0	28.8	27.1	26.4
Hr. of Max	10	10	10	14	13	16	14	17	18
Min	1.6	2.3	5.3	1.8	4.2	6.1	2.0	13.5	14.8
Count	24	24	24	19	19	24	24	24	24
Total									