Date Printed: 11/03/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

11/2/2015

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	16.2	16.4	16.4	16.4	.25	.20	.27	-.05	.02
01:00	16.3	16.4	16.4	16.4	.17	.10	.12	-.07	-.05
02:00	16.2	16.4	16.4	16.5	.27	.25	.30	-.02	.03
03:00	16.2	16.5	16.5	16.5	.31	.28	.30	-.03	-.01
04:00	16.1	16.4	16.4	16.4	.28	.24	.27	-.04	-.01
05:00	16.2	16.3	16.3	16.3	.15	.06	.05	-.09	-.09
06:00	16.2	16.4	16.3	16.3	.21	.15	.16	-.06	-.05
07:00	16.3	16.4	16.3	16.3	.13	.06	.05	-.07	-.08
08:00	16.7	16.7	16.6	16.5	-.01	-.15	-.20	-.13	-.18
09:00	17.3	17.2	16.9	16.9	-.17	-.38	-.46	-.21	-.29
10:00	18.2	17.9	17.6	17.5	-.33	-.57	-.66	-.23	-.33
11:00	19.1	18.9	18.6	18.5	-.21	-.47	-.62	-.26	-.41
12:00	18.2	18.0	17.9	17.8	-.17	-.34	-.38	-.16	-.21
13:00	18.4	18.3	18.1	18.1	-.14	-.28	-.31	-.13	-.17
14:00	18.6	18.4	18.2	18.2	-.16	-.32	-.36	-.15	-.20
15:00	18.7	18.6	18.5	18.5	-.08	-.21	-.24	-.13	-.17
16:00	18.7	18.6	18.5	18.4	-.07	-.21	-.26	-.14	-.19
17:00	18.5	18.7	18.6	18.6	.27	.18	.16	-.10	-.12
18:00	18.2	18.6	18.5	18.5	.31	.24	.24	-.07	-.07
19:00	17.9	18.3	18.2	18.2	.36	.30	.30	-.05	-.05
20:00	17.4	17.9	17.9	18.0	.57	.53	.61	-.03	.04
21:00	17.2	17.8	17.8	17.9	.55	.58	.72	.03	.17
22:00	17.1	17.7	17.7	17.8	.63	.63	.70	.00	.07
23:00	16.7	17.5	17.5	17.6	.71	.79	.89	.08	.18
Avg	17.4	17.5	17.4	17.4	.16	.07	.07	-.09	-.09
Max	19.1	18.9	18.6	18.6	.71	.79	.89	.08	.18
Hr. of Max	11	11	17	17	23	23	23	23	23
Min	16.1	16.3	16.3	16.3	-.33	-.57	-.66	-.26	-.41
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)

11/2/2015

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	15.7	15.8	16.4	97.9	97.2	13.3	13.4	0.011392
01:00	15.6	15.7	15.9	16.4	97.9	97.1	13.3	13.4	0.011448
02:00	15.5	15.7	15.7	16.4	97.9	97.1	13.2	13.4	0.011374
03:00	15.6	15.6	15.8	16.4	97.9	96.0	13.3	13.3	0.011392
04:00	15.5	15.5	15.7	16.4	97.7	96.1	13.2	13.2	0.011354
05:00	15.5	15.5	15.7	16.4	97.3	96.3	13.2	13.2	0.01135
06:00	15.4	15.4	15.6	16.4	96.7	95.6	13.1	13.1	0.011268
07:00	15.4	15.4	15.7	16.5	96.4	95.2	13.1	13.1	0.0113
08:00	15.6	15.4	16.0	16.5	95.0	93.7	13.3	13.1	0.01144
09:00	15.7	15.4	16.3	16.5	92.2	91.3	13.4	13.1	0.011537
10:00	16.0	15.5	16.7	16.5	88.6	87.6	13.6	13.1	0.011726
11:00	15.8	15.4	16.9	16.6	82.7	81.9	13.3	13.0	0.011579
12:00	16.8	16.5	17.3	16.6	93.4	92.7	14.3	14.0	0.01237
13:00	16.8	16.5	17.3	16.7	92.3	91.5	14.3	14.0	0.01238
14:00	17.1	16.9	17.6	16.8	93.3	92.7	14.5	14.3	0.012642
15:00	17.3	17.1	17.7	16.9	93.3	92.9	14.7	14.5	0.012756
16:00	17.3	17.2	17.8	17.0	93.9	93.3	14.7	14.6	0.012807
17:00	17.4	17.2	17.7	17.1	95.4	92.9	14.8	14.6	0.012835
18:00	17.2	17.1	17.6	17.1	95.8	93.2	14.7	14.5	0.012723
19:00	16.9	16.7	17.2	17.1	95.4	92.4	14.3	14.2	0.012415
20:00	16.6	16.6	16.8	17.2	97.0	93.6	14.1	14.1	0.012167
21:00	16.6	16.6	16.8	17.2	97.8	94.7	14.1	14.1	0.012154
22:00	16.4	16.4	16.7	17.2	97.8	93.7	14.0	13.9	0.012062
23:00	16.1	16.2	16.3	17.2	97.9	93.9	13.7	13.7	0.011812
Avg	16.2	16.1	16.6	16.7	95.1	93.4	13.8	13.7	0.011928
Max	17.4	17.2	17.8	17.2	97.9	97.2	14.8	14.6	0.012835
Hr. of Max	17	17	16	23	23	00	17	17	17
Min	15.4	15.4	15.6	16.4	82.7	81.9	13.1	13.0	0.011268
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/2/2015

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	0.011481	17.7	17.9	.03	29.10	985.4	-2.8	.00	62.2
01:00	0.011473	17.8	17.8	.01	29.10	985.4	-2.6	.00	33.4
02:00	0.011477	17.7	17.8	.00	29.08	984.9	-2.1	.00	60.1
03:00	0.011403	17.7	17.7	.00	29.08	984.7	-1.9	.00	48.4
04:00	0.011366	17.7	17.7	.00	29.08	984.7	-1.7	.00	64.3
05:00	0.011333	17.6	17.6	.00	29.06	984.2	-2.0	.00	54.7
06:00	0.011296	17.5	17.5	.01	29.05	983.8	-1.5	.00	57.9
07:00	0.011251	17.6	17.5	.00	29.05	983.9	5.2	.01	48.1
08:00	0.011268	17.8	17.5	.00	29.06	984.1	52.7	.08	68.9
09:00	0.011306	17.9	17.6	.00	29.08	984.9	115.4	.17	56.5
10:00	0.011348	18.2	17.6	.00	29.09	985.1	291.7	.42	54.8
11:00	0.011309	18.0	17.6	.02	29.08	984.8	223.7	.32	71.9
12:00	0.012134	19.2	18.8	.07	29.06	984.1	174.9	.25	62.3
13:00	0.012165	19.2	18.9	.00	29.04	983.5	118.1	.17	51.6
14:00	0.012431	19.6	19.3	.01	29.03	983.0	140.2	.20	61.1
15:00	0.012637	19.8	19.6	.01	29.03	983.1	81.3	.12	62.6
16:00	0.012677	19.8	19.6	.00	29.04	983.4	72.0	.10	59.3
17:00	0.012726	19.9	19.7	.00	29.05	983.9	7.0	.01	51.7
18:00	0.012617	19.7	19.6	.00	29.07	984.4	-2.0	.00	53.2
19:00	0.012295	19.3	19.1	.00	29.08	984.9	-2.0	.00	48.4
20:00	0.012166	18.9	18.9	.00	29.09	985.3	-2.6	.00	38.0
21:00	0.012191	18.9	18.9	.00	29.11	985.7	-2.2	.00	47.5
22:00	0.012021	18.8	18.7	.00	29.11	985.7	-2.2	.00	66.1
23:00	0.011852	18.4	18.4	.00	29.10	985.6	-1.5	.00	48.0
Avg	0.011843	18.5	18.4	.01	29.07	984.5	52.3	.08	55.0
Max	0.012726	19.9	19.7	.07	29.11	985.7	291.7	.42	71.9
Hr. of Max	17	17	17	12	22	22	10	10	11
Min	0.011251	17.5	17.5	.00	29.03	983.0	-2.8	.00	33.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/2/2015

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	74.4	67.6	64.7	63.5	19.3	12.5	14.4	1.6	3.2
01:00	44.9	44.9	29.0	40.1	35.1	13.5	13.6	.9	2.2
02:00	51.7	46.9	61.9	42.5	23.4	13.4	10.3	1.7	3.7
03:00	46.5	42.8	52.8	38.3	25.1	12.4	10.4	1.5	3.3
04:00	70.9	67.4	66.2	63.6	24.8	13.3	10.9	2.2	4.0
05:00	56.3	58.3	56.6	54.2	29.1	16.6	13.4	2.9	6.0
06:00	55.2	52.7	60.0	48.7	23.3	15.1	10.1	3.0	6.0
07:00	51.9	51.3	49.6	47.4	27.4	14.4	9.1	2.4	5.0
08:00	69.9	65.3	72.1	61.1	21.0	14.9	11.8	2.9	4.7
09:00	57.5	53.2	60.9	49.5	37.9	20.3	15.7	2.0	4.1
10:00	52.0	46.6	57.1	42.2	28.8	19.5	15.8	2.9	4.5
11:00	70.3	67.9	73.2	64.0	24.1	18.6	14.2	4.5	6.3
12:00	59.1	55.2	63.0	51.4	29.5	15.7	12.7	2.6	4.7
13:00	49.7	45.0	52.3 +	40.8	33.8	19.6	14.2	2.0	4.2
14:00	60.0	55.4	62.8	51.4	24.1	14.2	10.0	2.5	4.6
15:00	63.0	59.3	65.1	55.7	26.9	16.6	12.3	2.7	4.9
16:00	62.8	63.1	57.8	59.1	27.2	17.1	13.3	2.5	4.5
17:00	56.3	51.4	51.2	48.0	40.8	18.6	16.8	.9	2.2
18:00	60.8	62.1	56.3	58.5	21.1	13.5	10.8	1.9	4.0
19:00	57.3	57.1	51.4	52.9	24.7	12.3	9.1	1.7	3.7
20:00	55.7	61.0	40.0	57.5	19.7	15.9	11.9	1.6	2.8
21:00	61.2	55.6	52.4	51.7	24.5	16.2	10.3	1.4	3.2
22:00	71.5	66.1	70.5	62.7	19.7	10.7	7.2	1.6	3.5
23:00	56.6	57.0	52.4	52.8	34.7	19.2	12.6	1.3	3.2
Avg	58.0	56.0	57.0	52.0	26.9	15.6	12.1	.0	.0
Max	74.4	67.9	73.2	64.0	40.8	20.3	16.8	4.5	6.3
Hr. of Max	00	11	11	11	17	09	17	11	11
Min	44.9	42.8	29.0	38.3	19.3	10.7	7.2	.9	2.2
Count	24	24	24	24	24	24	24	24	24
Total									

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

Daily Summary Report

Site: Tower "D" (1000 Area)

11/2/2015

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	4.5	1.8	3.3	4.7	2.0	5.0	.3	1.9	-.05
01:00	3.3	1.0	2.3	3.4	1.3	3.6	-1.8	-1.3	-.08
02:00	5.2	1.9	3.9	5.4	2.1	5.6	-1.6	.9	-.11
03:00	4.5	1.7	3.5	4.6	1.9	4.9	-2.5	1.1	-.15
04:00	5.4	2.5	4.2	5.6	2.7	5.9	-2.8	1.1	-.16
05:00	7.9	3.3	6.4	8.3	3.8	8.7	-2.4	1.8	-.21
06:00	8.4	3.2	6.2	8.5	3.5	8.9	-2.2	.8	-.28
07:00	6.7	2.7	5.1	6.7	2.9	7.1	.9	-.1	-.12
08:00	5.9	3.3	5.1	6.3	3.6	6.6	.1	.6	-.05
09:00	5.1	2.3	4.3	5.2	2.6	5.6	.2	2.1	-.10
10:00	5.5	3.5	4.8	5.8	3.8	6.1	.2	-.1	-.20
11:00	7.7	4.9	6.6	7.9	5.6	8.4	-.5	1.2	-.23
12:00	5.7	3.0	5.1	6.1	3.4	6.4	.2	2.3	-.13
13:00	5.3	2.3	4.5	5.5	2.8	5.9	-1.5	-.3	-.24
14:00	6.2	2.7	4.7	6.3	3.1	6.6	.2	-.7	-.10
15:00	6.3	3.0	5.1	6.5	3.4	6.8	-2.0	.7	-.22
16:00	5.9	2.8	4.9	6.1	3.2	6.4	.9	1.0	-.04
17:00	3.1	1.0	2.3	3.2	1.2	3.5	-.1	2.8	-.03
18:00	5.3	2.1	4.1	5.4	2.3	5.7	-3.1	2.0	-.19
19:00	5.4	1.9	3.9	5.5	2.0	5.8	-2.1	.0	-.18
20:00	3.9	1.7	3.0	3.9	1.9	4.2	-4.9	-.2	-.18
21:00	5.1	1.5	3.4	5.2	1.7	5.4	-1.2	.3	-.09
22:00	4.7	1.7	3.6	4.8	1.9	5.0	-2.0	.1	-.09
23:00	4.8	1.8	3.6	5.0	2.0	5.2	-1.5	.1	-.08
Avg	.0	2.4	4.3	5.7	2.7	6.0	-1.2	.8	-.14
Max	8.4	4.9	6.6	8.5	5.6	8.9	.9	2.8	-.03
Hr. of Max	06	11	11	06	11	06	16	17	17
Min	3.1	1.0	2.3	3.2	1.2	3.5	-4.9	-1.3	-.28
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)

11/2/2015

Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	82_SPkWsH_015m	83_SPkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	86_SonicTemp_015m
Hour	MPH	MPH	MPH	MPH	MPH	MPH	DEG	DEG	DEGC
00:00	.06	4.4	7.3	10.8	5.1	9.5	14.7	9.1	17.6
01:00	-.09	3.0	5.0	6.6	3.9	7.0	16.0	8.3	17.6
02:00	.05	4.8	8.5	11.4	5.9	8.9	15.8	6.6	17.6
03:00	.08	6.2	7.8	9.2	6.0	9.7	16.3	7.1	17.6
04:00	.08	8.0	8.9	12.6	7.2	10.1	13.6	6.9	17.6
05:00	.14	10.5	13.1	16.3	12.2	17.5	19.8	8.8	17.5
06:00	.03	8.9	12.6	14.4	8.9	14.9	19.8	7.7	17.5
07:00	-.07	8.7	11.4	14.9	9.6	11.5	21.0	7.3	17.6
08:00	.03	8.5	10.8	14.4	9.1	12.5	16.9	8.1	17.9
09:00	.06	8.5	10.3	11.0	9.3	11.8	24.2	13.9	18.4
10:00	-.11	9.2	11.7	12.1	11.2	13.2	21.7	13.6	19.1
11:00	.07	13.7	17.4	14.7	12.1	14.0	18.7	9.9	20.0
12:00	.13	10.1	12.1	12.6	10.2	11.2	20.5	11.1	19.2
13:00	-.08	9.8	11.7	15.1	8.6	13.3	22.8	11.0	19.5
14:00	-.11	6.9	9.8	11.4	7.7	11.9	20.2	7.7	19.7
15:00	.02	8.0	10.8	11.9	9.5	12.2	18.4	10.4	19.9
16:00	.03	8.9	10.3	13.7	10.0	11.6	22.8	9.9	19.9
17:00	.09	5.7	10.3	13.7	6.1	8.3	19.4	12.5	20.1
18:00	.13	7.6	8.5	10.5	7.6	10.1	16.5	8.8	19.9
19:00	-.07	6.9	8.9	14.0	6.9	10.5	18.6	6.6	19.6
20:00	-.02	3.4	5.3	6.4	3.6	6.7	9.7	5.8	19.2
21:00	.00	5.5	6.4	11.7	5.9	8.6	15.7	5.6	19.0
22:00	-.01	4.1	8.7	12.1	4.6	8.6	12.7	5.3	19.0
23:00	.00	4.6	6.9	10.3	4.8	9.0	11.4	4.4	18.7
Avg	.02	7.3	9.8	12.2	7.8	10.9	17.8	8.6	18.7
Max	.14	13.7	17.4	16.3	12.2	17.5	24.2	13.9	20.1
Hr. of Max	05	11	11	05	05	05	09	09	17
Min	-.11	3.0	5.0	6.4	3.6	6.7	9.7	4.4	17.5
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)

11/2/2015

Interval: 001h

	37_SonicTemp_060m
Hour	DEGC
00:00	17.3
01:00	17.3
02:00	17.3
03:00	17.3
04:00	17.3
05:00	17.1
06:00	17.2
07:00	17.2
08:00	17.4
09:00	17.7
10:00	18.4
11:00	19.3
12:00	18.7
13:00	19.0
14:00	19.2
15:00	19.4
16:00	19.4
17:00	19.7
18:00	19.5
19:00	19.2
20:00	19.0
21:00	18.9
22:00	18.7
23:00	18.6
Avg	18.3
Max	19.7
Hr. of Max	17
Min	17.1
Count	24
Total	