Date Printed: 08/07/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/6/2015

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	21.5	21.7	21.6	21.7	.18	.16	.21	-.02	.03
01:00	20.6	21.0	21.2	21.4	.41	.61	.77	.20	.37
02:00	20.4	20.9	20.9	21.1	.46	.52	.67	.06	.21
03:00	20.4	20.9	20.9	21.1	.52	.52	.66	.01	.15
04:00	20.1	20.7	20.8	20.9	.57	.66	.79	.08	.22
05:00	20.5	20.8	20.8	20.8	.29	.26	.29	-.03	.00
06:00	20.7	20.9	20.9	20.9	.17	.13	.14	-.05	-.03
07:00	20.7	20.6	20.7	20.8	-.05	.04	.13	.09	.18
08:00	21.2	21.0	20.8	20.9	-.20	-.33	-.27	-.13	-.07
09:00	22.2	21.8	21.6	21.5	-.33	-.53	-.62	-.20	-.29
10:00	22.9	22.5	22.3	22.2	-.40	-.65	-.75	-.24	-.35
11:00	24.4	23.9	23.6	23.5	-.55	-.79	-.90	-.24	-.35
12:00	25.9	25.1	24.8	24.7	-.83	-1.14	-1.26	-.31	-.43
13:00	25.9	25.3	25.1	25.0	-.54	-.79	-.87	-.25	-.33
14:00	22.7	22.5	22.3	22.3	-.26	-.44	-.44	-.18	-.18
15:00	23.8	23.3	23.1	23.1	-.49	-.74	-.77	-.25	-.29
16:00	24.6	24.2	24.0	24.0	-.40	-.63	-.66	-.23	-.25
17:00	23.5	23.3	23.2	23.2	-.18	-.30	-.26	-.12	-.08
18:00	23.0	22.8	22.6	22.7	-.27	-.41	-.36	-.14	-.09
19:00	23.0	22.8	22.7	22.7	-.14	-.25	-.23	-.12	-.09
20:00	22.0	21.9	21.8	21.8	-.09	-.22	-.17	-.13	-.08
21:00	21.0	21.1	21.1	21.4	.07	.11	.43	.04	.36
22:00	20.8	20.9	21.1	21.4	.08	.28	.61	.20	.53
23:00	21.1	21.2	21.4	21.6	.06	.31	.51	.25	.45
Avg	22.2	22.1	22.1	22.1	-.08	-.15	-.10	-.07	-.02
Max	25.9	25.3	25.1	25.0	.57	.66	.79	.25	.53
Hr. of Max	13	13	13	13	04	04	04	23	22
Min	20.1	20.6	20.7	20.8	-.83	-1.14	-1.26	-.31	-.43
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/6/2015

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	19.1	19.3	19.9	27.7	88.7	88.6	16.4	16.5	0.014377
01:00	18.8	19.2	19.4	27.5	91.5	91.3	16.1	16.4	0.01409
02:00	18.9	19.1	19.4	27.3	92.8	91.4	16.1	16.3	0.014124
03:00	18.7	18.9	19.2	27.1	91.9	90.6	15.9	16.2	0.013963
04:00	18.6	18.9	19.1	26.9	93.2	91.5	15.9	16.1	0.013915
05:00	18.8	19.0	19.4	26.8	92.2	91.3	16.1	16.2	0.014116
06:00	18.9	18.9	19.5	26.6	91.3	90.3	16.1	16.1	0.014168
07:00	19.0	19.0	19.6	26.5	92.3	92.5	16.3	16.2	0.014258
08:00	19.3	19.2	19.9	26.4	91.3	91.9	16.5	16.5	0.014538
09:00	19.3	19.2	20.2	26.3	85.9	86.9	16.5	16.4	0.014532
10:00	20.1	19.9	21.0	26.2	86.4	87.5	17.3	17.1	0.015315
11:00	20.2	20.1	21.6	26.3	79.4	81.3	17.3	17.2	0.015427
12:00	19.9	19.7	21.9	26.3	71.5	74.1	17.0	16.8	0.015195
13:00	20.2	20.0	22.1	26.5	73.0	74.5	17.3	17.1	0.015453
14:00	20.7	20.5	21.4	26.7	90.5	90.9	17.9	17.7	0.015883
15:00	21.1	20.7	22.0	26.7	87.1	87.4	18.3	17.9	0.016344
16:00	20.4	20.0	21.8	26.8	79.3	79.5	17.5	17.1	0.015631
17:00	20.4	20.3	21.5	26.9	85.3	85.6	17.6	17.5	0.015701
18:00	21.1	21.0	21.8	26.9	91.5	92.2	18.4	18.3	0.016414
19:00	21.4	21.3	21.9	26.9	93.6	93.5	18.7	18.6	0.016716
20:00	20.6	20.6	21.0	26.8	94.0	94.9	17.8	17.9	0.015811
21:00	19.9	20.1	20.3	26.7	95.7	96.6	17.2	17.4	0.01517
22:00	19.8	20.0	20.1	26.6	96.6	97.2	17.1	17.3	0.015083
23:00	20.2	20.3	20.5	26.4	96.9	97.4	17.5	17.6	0.015424
Avg	19.8	19.8	20.6	26.7	88.8	89.1	17.0	17.0	0.015069
Max	21.4	21.3	22.1	27.7	96.9	97.4	18.7	18.6	0.016716
Hr. of Max	19	19	13	00	23	23	19	19	19
Min	18.6	18.9	19.1	26.2	71.5	74.1	15.9	16.1	0.013915
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)

8/6/2015

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	0.01453	22.2	22.5	.00	29.07	984.3	-2.3	.00	50.7
01:00	0.014417	21.8	22.3	.00	29.06	984.1	-3.1	.00	318.3
02:00	0.01431	21.8	22.1	.00	29.04	983.4	-2.7	.00	43.0
03:00	0.014216	21.6	22.0	.00	29.03	983.0	-1.5	.00	55.5
04:00	0.014151	21.5	21.9	.00	29.02	982.9	-2.4	.00	38.1
05:00	0.014228	21.8	22.0	.00	29.02	982.9	-3.3	.00	44.3
06:00	0.014159	21.9	21.9	.00	29.03	983.2	-2.3	.00	19.7
07:00	0.014248	22.0	22.0	.00	29.04	983.3	14.4	.02	288.0
08:00	0.014449	22.5	22.3	.00	29.04	983.6	86.7	.12	230.0
09:00	0.01441	22.5	22.3	.00	29.04	983.5	160.3	.23	229.5
10:00	0.015135	23.6	23.4	.00	29.04	983.5	251.1	.36	236.4
11:00	0.015277	23.8	23.6	.00	29.02	982.9	336.8	.48	235.8
12:00	0.014978	23.4	23.1	.00	29.02	982.8	537.0	.77	228.8
13:00	0.01528	23.8	23.6	.01	29.02	982.7	322.5	.46	232.5
14:00	0.015707	24.5	24.2	.11	29.01	982.3	199.3	.29	219.2
15:00	0.015918	25.1	24.5	.00	28.98	981.3	411.8	.59	217.8
16:00	0.015289	24.0	23.5	.00	28.94	980.2	294.2	.42	225.8
17:00	0.01558	24.1	23.9	.06	28.92	979.5	76.1	.11	234.4
18:00	0.01627	25.2	25.0	.00	28.92	979.2	114.0	.16	242.5
19:00	0.016558	25.6	25.4	.07	28.91	978.9	33.8	.05	295.8
20:00	0.015872	24.3	24.4	.25	28.91	979.2	14.1	.02	226.8
21:00	0.015377	23.3	23.6	.01	28.92	979.3	-2.2	.00	253.7
22:00	0.015251	23.2	23.4	.00	28.93	979.8	-2.4	.00	234.6
23:00	0.015566	23.7	23.9	.00	28.93	979.8	-2.5	.00	312.5
Avg	0.015049	23.2	23.2	.02	28.99	981.9	117.8	.17	258.0
Max	0.016558	25.6	25.4	.25	29.07	984.3	537.0	.77	318.3
Hr. of Max	19	19	19	20	00	00	12	12	01
Min	0.014151	21.5	21.9	.00	28.91	978.9	-3.3	.00	19.7
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/6/2015

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	55.6	56.4	54.0	52.3	36.5	20.8	13.4	2.0	5.1
01:00	86.4	99.9	317.4	94.1	26.2	28.1	28.8	.9	.4
02:00	49.3	47.9	45.7	43.0	24.5	10.5	8.8	1.7	3.2
03:00	70.1	63.8	60.7	59.9	27.4	15.7	11.6	1.6	3.1
04:00	87.3	82.3	41.5	78.6	19.5	9.6	10.0	1.6	2.4
05:00	66.8	71.8	46.6	68.0	28.3	16.2	13.1	1.6	2.9
06:00	61.5	69.2	23.5	66.0	34.9	15.2	15.5	1.2	2.0
07:00	70.5	63.7	285.0	63.0	30.5	24.8	23.8	.4	.4
08:00	226.0	263.3	232.3	261.6	23.6	39.3	28.8	1.0	.7
09:00	222.5	220.2	230.3	219.9	30.7	31.8	23.5	1.3	1.5
10:00	237.2	226.4	238.2	227.8	27.5	29.1	18.4	2.5	3.3
11:00	239.5	238.8	236.6	239.8	51.7	53.8	49.8	2.6	3.5
12:00	234.1	233.4	234.9	235.7	26.9	18.4	14.8	5.1	6.7
13:00	239.6	237.8	238.1	239.5	22.7	17.5	14.2	5.0	7.1
14:00	225.7	224.4	224.7	226.2	21.7	13.9	11.4	4.3	6.8
15:00	225.1	225.3	222.9	226.9	26.9	17.8	14.1	3.9	5.8
16:00	229.7	228.3	230.5	230.3	24.0	16.6	12.6	4.2	6.8
17:00	232.2	227.9	237.6 +	229.6	25.9	16.4	11.4	3.4	5.9
18:00	238.2	234.8	245.6	236.5	23.7	16.6	9.8	2.0	3.3
19:00	258.0	246.0	293.3	245.8	41.4	46.4	22.8	.5	.8
20:00	229.4	229.1	231.0	231.1	23.7	14.3	12.4	3.7	5.8
21:00	249.8	235.8	255.2	237.9	21.9	11.6	5.5	1.8	3.6
22:00	209.6	228.0	236.8	228.5	17.0	14.0	9.9	1.2	1.8
23:00	96.8	162.3	314.7	162.6	51.0	31.1	19.1	.5	.3
Avg	210.0	211.0	261.0	215.0	28.7	22.1	16.8	.0	.0
Max	258.0	263.3	317.4	261.6	51.7	53.8	49.8	5.1	7.1
Hr. of Max	19	08	01	08	11	11	11	12	13
Min	49.3	47.9	23.5	43.0	17.0	9.6	5.5	.4	.3
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)

8/6/2015

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	7.0	2.3	5.3	7.1	2.8	7.4	-2.4	-.9	-.25
01:00	1.5	2.1	2.3	2.3	2.3	2.6	-2.1	-.3	-.10
02:00	4.5	1.8	3.4	4.6	2.0	4.9	-4.7	-1.8	-.22
03:00	4.3	1.8	3.3	4.4	2.0	4.6	-2.6	-2.0	-.16
04:00	3.7	1.7	2.6	3.8	1.8	4.0	1.0	.7	-.02
05:00	3.6	1.9	3.1	3.8	2.1	4.0	-2.9	-3.0	-.17
06:00	2.4	1.5	2.3	2.5	1.7	2.8	-2.4	-2.2	-.12
07:00	.8	.5	.4	.8	.8	1.2	2.1	2.5	.03
08:00	.3	1.2	.9	.7	1.6	1.0	4.6	1.5	.11
09:00	1.9	1.4	1.7	2.1	1.8	2.4	-1.8	-2.6	-.10
10:00	4.1	2.7	3.6	4.4	3.2	4.8	1.7	-.1	-.09
11:00	4.3	3.5	4.4	4.9	4.0	5.4	-1.3	1.3	-.23
12:00	7.8	5.6	7.1	8.1	6.1	8.7	-.9	-2.8	-.30
13:00	8.3	5.3	7.4	8.5	6.0	9.2	-2.5	.7	-.42
14:00	8.6	4.6	7.0	8.8	5.3	9.3	-.9	.5	-.25
15:00	6.9	4.2	6.1	7.2	4.9	7.8	2.0	1.2	-.05
16:00	8.6	4.6	7.0	8.8	5.3	9.4	1.0	-.2	-.10
17:00	7.8	3.7	6.2	8.0	4.2	8.5	2.5	1.4	-.02
18:00	4.8	2.1	3.4	4.9	2.6	5.2	.6	.6	-.08
19:00	1.5	.7	1.0	1.6	1.1	1.9	.7	-.8	.00
20:00	7.3	4.0	6.0	7.6	4.4	8.0	-.1	.4	-.13
21:00	5.5	1.9	3.8	5.6	2.2	5.8	-1.3	.8	-.09
22:00	2.7	1.3	2.0	3.0	1.6	3.2	1.3	1.4	.03
23:00	.9	.6	.3	1.0	.9	1.4	1.3	1.5	.01
Avg	.0	2.5	3.8	4.8	2.9	5.1	-.3	-.1	-.11
Max	8.6	5.6	7.4	8.8	6.1	9.4	4.6	2.5	.11
Hr. of Max	16	12	13	16	12	16	08	07	08
Min	.3	.5	.3	.7	.8	1.0	-4.7	-3.0	-.42
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/6/2015

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
Hour	MPH	MPH	MPH	MPH	MPH	MPH	DEG	DEG
00:00	-.18	6.6	9.8	13.7	7.2	11.2	19.3	6.1
01:00	.01	4.6	4.4	6.0	4.7	6.2	8.9	12.5
02:00	-.17	5.0	6.2	7.6	4.9	7.9	12.9	4.1
03:00	-.18	4.6	6.4	13.3	4.6	8.6	14.1	6.0
04:00	.01	5.0	6.4	6.9	4.2	6.9	11.6	6.2
05:00	-.22	6.6	8.0	11.9	4.9	7.2	15.5	9.1
06:00	-.09	3.4	4.8	4.8	3.5	5.0	12.5	8.9
07:00	.06	1.6	1.6	2.5	2.0	2.8	10.3	12.8
08:00	.03	2.7	2.7	1.8	3.3	2.4	18.3	16.2
09:00	-.13	3.9	3.9	5.0	4.4	5.3	23.4	18.2
10:00	-.10	9.6	8.9	9.8	8.9	10.7	20.8	14.6
11:00	-.08	10.1	10.3	11.2	10.0	11.3	19.9	19.4
12:00	-.51	12.8	15.3	15.1	14.0	15.8	17.5	10.6
13:00	-.02	14.2	16.7	17.9	15.4	19.7	14.8	11.3
14:00	-.01	11.2	17.6	24.3	13.3	21.9	16.1	8.1
15:00	.02	11.0	13.1	14.0	12.7	15.2	18.9	12.2
16:00	-.14	12.4	16.0	16.3	14.4	17.7	17.4	9.6
17:00	.10	11.9	13.7	21.1	12.0	18.0	18.4	8.5
18:00	.00	7.1	15.8	14.4	7.8	11.2	17.5	7.6
19:00	-.05	2.5	4.4	5.0	3.2	4.8	17.2	11.5
20:00	-.02	16.7	20.8	22.2	18.3	23.1	14.8	6.2
21:00	.07	5.5	8.0	11.0	5.0	8.7	10.1	2.8
22:00	.09	3.4	8.2	10.5	3.9	6.4	7.9	4.0
23:00	.02	2.5	3.4	4.8	2.2	3.4	10.1	12.8
Avg	-.06	7.3	9.4	11.3	7.7	10.5	15.3	10.0
Max	.10	16.7	20.8	24.3	18.3	23.1	23.4	19.4
Hr. of Max	17	20	20	14	20	20	09	11
Min	-.51	1.6	1.6	1.8	2.0	2.4	7.9	2.8
Count	24	24	24	24	24	24	24	24
Total								