Date Printed: 07/05/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/4/2015

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	21.3	21.5	21.5	21.7	.14	.20	.40	.05	.26
01:00	20.4	20.8	20.9	21.2	.36	.49	.74	.13	.38
02:00	19.9	20.4	20.5	20.7	.47	.60	.84	.12	.37
03:00	20.3	20.5	20.5	20.6	.22	.19	.28	-.03	.06
04:00	20.2	20.2	20.1	20.1	-.04	-.13	-.10	-.09	-.06
05:00	19.9	19.8	19.7	19.8	-.08	-.18	-.11	-.10	-.03
06:00	19.9	19.9	19.8	19.8	-.03	-.11	-.09	-.07	-.06
07:00	20.1	20.0	20.0	20.0	-.06	-.11	-.05	-.05	.01
08:00	20.5	20.4	20.3	20.3	-.12	-.28	-.25	-.15	-.12
09:00	21.2	20.9	20.7	20.7	-.25	-.47	-.48	-.22	-.24
10:00	21.7	21.4	21.2	21.2	-.27	-.48	-.56	-.22	-.29
11:00	21.8	21.5	21.3	21.2	-.27	-.54	-.63	-.27	-.36
12:00	22.0	21.6	21.4	21.3	-.34	-.58	-.63	-.24	-.28
13:00	23.2	22.7	22.4	22.3	-.53	-.82	-.90	-.30	-.37
14:00	24.5	23.9	23.5	23.5	-.65	-1.02	-1.06	-.37	-.41
15:00	24.7	24.2	24.0	23.9	-.42	-.66	-.73	-.24	-.31
16:00	24.6	24.3	24.0	23.9	-.33	-.62	-.69	-.29	-.36
17:00	25.0	24.6	24.3	24.2	-.39	-.70	-.81	-.31	-.42
18:00	24.9	24.6	24.4	24.3	-.22	-.48	-.57	-.26	-.34
19:00	24.6	24.4	24.2	24.2	-.22	-.42	-.45	-.20	-.23
20:00	23.1	23.1	23.5	23.7	.00	.38	.62	.38	.62
21:00	22.0	22.3	22.8	23.0	.20	.72	.98	.52	.78
22:00	21.6	22.1	22.2	22.5	.58	.66	.90	.07	.31
23:00	21.5	22.0	22.0	22.2	.44	.50	.69	.06	.25
Avg	22.0	22.0	21.9	21.9	-.08	-.16	-.11	-.09	-.04
Max	25.0	24.6	24.4	24.3	.58	.72	.98	.52	.78
Hr. of Max	17	18	18	18	22	21	21	21	21
Min	19.9	19.8	19.7	19.8	-.65	-1.02	-1.06	-.37	-.42
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/4/2015

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	18.0	18.1	19.1	24.1	83.3	82.7	15.3	15.3	0.01339
01:00	17.9	18.0	18.7	23.9	87.5	86.0	15.2	15.3	0.013292
02:00	18.1	18.0	18.7	23.7	91.1	88.4	15.4	15.3	0.013419
03:00	18.4	18.4	19.0	23.6	90.6	89.4	15.6	15.6	0.013687
04:00	18.7	18.8	19.2	23.4	92.8	93.9	15.9	16.1	0.013956
05:00	18.6	18.7	19.0	23.3	94.1	95.5	15.9	16.0	0.01387
06:00	18.7	18.8	19.1	23.2	95.0	95.5	16.0	16.1	0.014003
07:00	19.0	19.0	19.4	23.1	95.5	96.2	16.3	16.3	0.014224
08:00	19.1	19.1	19.5	23.0	93.4	94.5	16.3	16.4	0.014282
09:00	19.1	19.0	19.8	23.0	90.1	90.9	16.3	16.3	0.01433
10:00	19.2	19.1	20.0	23.0	87.7	88.6	16.4	16.3	0.0144
11:00	19.4	19.3	20.2	23.1	88.2	89.1	16.6	16.5	0.014584
12:00	20.0	19.9	20.7	23.3	91.1	92.0	17.3	17.1	0.015203
13:00	20.5	20.1	21.4	23.4	87.0	87.2	17.7	17.3	0.015676
14:00	20.7	20.1	21.9	23.7	81.3	81.6	17.8	17.2	0.01583
15:00	20.3	19.9	21.7	24.1	78.8	79.1	17.4	17.1	0.015482
16:00	20.0	19.7	21.5	24.4	77.6	77.6	17.1	16.8	0.015197
17:00	19.8	19.5	21.5	24.7	74.7	75.3	16.9	16.6	0.015006
18:00	20.2	20.0	21.7	24.9	77.2	77.3	17.3	17.1	0.015356
19:00	20.2	20.0	21.6	25.0	78.3	78.7	17.3	17.1	0.015351
20:00	20.5	20.3	21.4	25.0	87.7	86.6	17.7	17.5	0.015682
21:00	20.3	20.3	20.9	25.0	92.0	91.1	17.5	17.5	0.015441
22:00	20.0	20.4	20.5	24.9	93.3	92.1	17.3	17.6	0.015179
23:00	20.2	20.5	20.6	24.7	94.6	93.8	17.5	17.8	0.015342
Avg	19.5	19.4	20.3	23.9	87.6	87.6	16.7	16.6	0.014674
Max	20.7	20.5	21.9	25.0	95.5	96.2	17.8	17.8	0.01583
Hr. of Max	14	23	14	21	07	07	14	23	14
Min	17.9	18.0	18.7	23.0	74.7	75.3	15.2	15.3	0.013292
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)

7/4/2015

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	0.013422	20.7	20.8	.00	29.06	984.1	-2.0	.00	235.8
01:00	0.013363	20.6	20.7	.00	29.05	983.7	-2.8	.00	238.7
02:00	0.013405	20.8	20.7	.00	29.04	983.5	-3.0	.00	246.8
03:00	0.013686	21.2	21.2	.00	29.04	983.4	-3.5	-.01	225.6
04:00	0.014095	21.6	21.8	.01	29.04	983.5	-3.7	-.01	224.6
05:00	0.014009	21.5	21.7	.00	29.05	983.9	-3.4	.00	229.1
06:00	0.014056	21.7	21.8	.00	29.06	984.2	-.8	.00	271.9
07:00	0.014264	22.0	22.1	.00	29.08	984.8	5.6	.01	245.9
08:00	0.01435	22.1	22.2	.01	29.09	985.2	76.0	.11	219.4
09:00	0.01424	22.2	22.1	.00	29.10	985.6	198.1	.28	225.0
10:00	0.01431	22.3	22.2	.00	29.12	986.0	222.7	.32	225.5
11:00	0.014484	22.6	22.4	.00	29.13	986.4	220.2	.32	210.3
12:00	0.015023	23.5	23.3	.01	29.13	986.5	274.5	.39	215.8
13:00	0.015219	24.2	23.6	.01	29.12	986.2	571.8	.82	212.9
14:00	0.015275	24.5	23.6	.00	29.10	985.6	739.4	1.06	220.1
15:00	0.015142	23.9	23.4	.00	29.09	985.3	372.5	.53	233.4
16:00	0.014903	23.5	23.1	.00	29.10	985.4	361.5	.52	211.3
17:00	0.014764	23.2	22.8	.00	29.10	985.4	369.1	.53	215.4
18:00	0.015161	23.7	23.4	.00	29.09	985.2	194.1	.28	201.9
19:00	0.015212	23.7	23.5	.00	29.09	985.1	140.8	.20	220.1
20:00	0.015481	24.2	23.9	.00	29.10	985.3	18.7	.03	289.7
21:00	0.015473	23.9	23.9	.00	29.11	985.7	-2.0	.00	334.2
22:00	0.015529	23.5	24.0	.00	29.12	986.2	-1.7	.00	32.1
23:00	0.01563	23.7	24.2	.01	29.13	986.5	-1.5	.00	15.3
Avg	0.014604	22.7	22.6	.00	29.09	985.1	155.9	.22	234.0
Max	0.01563	24.5	24.2	.01	29.13	986.5	739.4	1.06	334.2
Hr. of Max	23	14	23	23	23	23	14	14	21
Min	0.013363	20.6	20.7	.00	29.04	983.4	-3.7	-.01	15.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/4/2015

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	233.2	226.9	239.4	229.4	18.5	8.9	5.5	3.6	7.2
01:00	240.3	233.6	243.3	235.7	16.1	8.4	5.9	3.4	6.5
02:00	245.7	233.3	250.0	235.5	18.6	9.2	8.3	1.9	4.0
03:00	230.7	226.4	230.6	228.6	17.9	11.9	9.0	3.2	5.7
04:00	226.1	220.9	229.0	223.0	24.4	13.7	9.4	3.1	5.5
05:00	229.4	225.4	234.1	227.6	26.6	12.7	7.5	2.4	4.5
06:00	244.8	227.3	273.6	229.3	50.3	28.0	16.2	.4	1.2
07:00	245.5	235.4	248.8	237.0	26.7	14.1	11.3	1.3	2.8
08:00	223.9	220.8	225.8	222.3	24.2	15.4	10.7	3.8	6.3
09:00	228.8	226.9	230.6	228.9	23.4	15.4	11.3	4.4	6.7
10:00	227.5	224.2	231.7	226.0	21.9	15.6	11.7	4.8	7.0
11:00	217.6	218.7	215.5	220.8	21.7	15.5	12.2	4.6	6.4
12:00	219.9	220.1	220.2	221.7	27.9	20.4	16.3	3.0	4.4
13:00	220.1	219.3	218.5	220.9	24.5	19.1	15.9	4.8	6.3
14:00	227.8	227.8	225.7	230.2	26.9	17.8	15.0	4.7	6.5
15:00	237.1	235.4	239.0	236.9	28.5	19.9	15.0	3.8	5.5
16:00	217.9	218.8	217.1	221.0	21.5	15.8	12.6	4.5	6.5
17:00	216.9	213.3	221.6	215.2	22.6	14.8	13.2	5.0	6.9
18:00	207.3	209.5	205.3	210.9	21.8	17.7	15.1	2.8	3.8
19:00	225.2	224.3	225.7	226.3	21.6	17.0	12.1	2.3	3.4
20:00	254.7	223.1	280.9	224.6	21.0	15.0	9.5	.7	1.3
21:00	50.9	145.5	332.0	91.9	42.9	32.3	24.2	.4	.5
22:00	64.3	71.1	33.1	67.6	16.5	10.7	8.1	1.2	2.0
23:00	68.1	98.7	18.1	96.3	18.5	11.6	19.3	.8	1.2
Avg	227.0	217.0	239.0	220.0	24.4	15.9	12.3	.0	.0
Max	254.7	235.4	332.0	237.0	50.3	32.3	24.2	5.0	7.2
Hr. of Max	20	15	21	07	06	21	21	17	00
Min	50.9	71.1	18.1	67.6	16.1	8.4	5.5	.4	.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)

7/4/2015

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	9.8	3.8	7.2	9.8	4.4	10.4	-1.6	.5	-.23
01:00	9.0	3.6	6.6	9.0	4.0	9.6	-1.3	.9	-.17
02:00	5.9	2.0	4.2	6.0	2.4	6.4	-1.2	.4	-.11
03:00	7.9	3.4	5.9	8.0	3.8	8.6	-1.2	.6	-.16
04:00	7.7	3.4	5.6	7.8	3.9	8.4	-.6	.3	-.14
05:00	6.5	2.6	4.6	6.6	3.1	7.0	-.4	.3	-.15
06:00	2.2	.6	1.3	2.3	1.1	2.6	-2.1	-1.3	-.05
07:00	4.4	1.5	3.0	4.6	2.0	5.0	-1.6	-.2	-.07
08:00	8.4	4.0	6.5	8.5	4.7	9.1	.1	.4	-.18
09:00	8.6	4.7	6.9	8.8	5.3	9.4	.5	.5	-.18
10:00	8.5	5.1	7.2	8.6	5.5	9.3	.0	.9	-.18
11:00	8.0	4.8	6.7	8.2	5.4	8.8	.7	-1.4	-.09
12:00	5.4	3.2	4.6	5.5	3.7	6.0	4.4	1.3	.08
13:00	7.3	5.2	6.7	7.6	5.7	8.2	1.2	2.6	-.09
14:00	7.4	5.1	6.7	7.6	5.8	8.2	-.5	-1.9	-.30
15:00	6.5	4.3	5.9	6.9	4.9	7.5	.4	1.3	-.11
16:00	7.6	4.8	6.7	7.8	5.5	8.4	.2	-.8	-.14
17:00	7.9	5.3	7.1	8.1	5.7	8.6	.6	.3	-.14
18:00	4.7	2.9	4.0	4.9	3.3	5.3	2.5	2.7	.06
19:00	4.4	2.5	3.6	4.5	2.9	4.9	-2.3	-1.8	-.22
20:00	1.9	.8	1.3	1.9	1.0	2.2	-.4	-.5	-.03
21:00	.5	.5	.5	.5	.8	.8	3.6	-.4	.05
22:00	2.6	1.3	2.0	2.6	1.5	2.9	.7	-.3	-.02
23:00	1.6	.9	1.3	2.0	1.2	2.3	.4	1.7	.02
Avg	.0	3.2	4.8	6.2	3.7	6.7	.1	.3	-.11
Max	9.8	5.3	7.2	9.8	5.8	10.4	4.4	2.7	.08
Hr. of Max	00	17	10	00	14	00	12	18	12
Min	.5	.5	.5	.5	.8	.8	-2.3	-1.9	-.30
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/4/2015

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	.07	9.4	13.3	21.8	9.6	16.8	13.9	4.3
01:00	.14	9.2	13.5	15.1	9.3	13.9	11.2	4.0
02:00	.01	6.4	14.7	19.2	5.6	13.4	9.3	4.6
03:00	.04	11.0	13.1	14.7	10.4	15.3	12.9	6.4
04:00	-.02	8.5	11.7	18.3	9.5	14.6	15.9	6.6
05:00	.01	9.6	13.1	15.8	9.7	14.8	16.1	5.0
06:00	-.08	2.3	4.6	5.5	2.7	6.0	12.6	9.4
07:00	-.04	11.4	13.1	16.0	11.4	17.9	12.3	6.5
08:00	-.03	10.8	12.6	14.7	11.9	16.7	18.4	8.5
09:00	-.03	11.9	15.3	17.4	13.8	16.5	18.1	8.6
10:00	.03	13.1	14.2	14.9	13.4	16.8	18.4	9.6
11:00	-.27	11.0	13.3	16.5	12.1	15.2	18.3	8.7
12:00	-.01	13.3	12.4	14.4	12.3	14.4	20.9	13.6
13:00	.16	12.4	12.1	13.7	12.7	16.4	18.5	13.1
14:00	-.44	13.1	15.1	14.9	15.7	16.6	18.7	12.4
15:00	.00	14.9	15.8	16.5	14.8	18.1	18.2	13.7
16:00	-.22	13.3	13.3	14.4	13.2	15.2	16.8	9.3
17:00	-.09	15.8	23.8	23.4	12.8	14.9	16.8	10.3
18:00	.13	8.9	11.0	15.8	8.5	11.7	19.3	13.5
19:00	-.24	7.1	9.4	8.7	8.3	9.1	15.9	10.0
20:00	-.04	3.4	5.7	7.3	2.8	5.1	9.0	4.6
21:00	.00	1.6	2.1	2.5	1.9	2.9	8.9	7.0
22:00	-.02	3.2	4.1	4.8	3.4	4.8	9.9	5.2
23:00	.07	3.2	6.2	6.2	3.8	5.6	8.4	9.7
Avg	-.04	9.4	11.8	13.9	9.6	13.0	14.9	8.5
Max	.16	15.8	23.8	23.4	15.7	18.1	20.9	13.7
Hr. of Max	13	17	17	17	14	15	12	15
Min	-.44	1.6	2.1	2.5	1.9	2.9	8.4	4.0
Count	24	24	24	24	24	24	24	24
Total								