Date Printed: 07/04/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/3/2015

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	21.2	21.3	21.4	21.5	.09	.20	.31	.11	.22
01:00	21.2	21.3	21.4	21.5	.08	.15	.29	.07	.21
02:00	21.3	21.4	21.3	21.4	.03	-.02	.06	-.05	.03
03:00	21.1	21.2	21.1	21.2	.09	.02	.08	-.07	-.01
04:00	20.6	20.5	20.4	20.5	-.05	-.17	-.12	-.12	-.08
05:00	20.3	20.3	20.2	20.3	.04	-.02	.01	-.07	-.04
06:00	19.9	20.1	20.1	20.2	.19	.19	.23	.01	.05
07:00	20.2	20.1	20.0	20.0	-.12	-.21	-.18	-.09	-.06
08:00	20.8	20.6	20.4	20.3	-.22	-.42	-.45	-.21	-.24
09:00	21.9	21.6	21.4	21.3	-.35	-.55	-.60	-.20	-.25
10:00	22.6	22.4	22.2	22.2	-.19	-.39	-.39	-.19	-.20
11:00	23.8	23.5	23.3	23.3	-.24	-.53	-.53	-.28	-.29
12:00	24.3	24.1	23.9	23.8	-.21	-.46	-.49	-.25	-.27
13:00	25.2	24.9	24.7	24.7	-.30	-.52	-.58	-.23	-.28
14:00	25.2	24.9	24.6	24.5	-.31	-.57	-.64	-.26	-.33
15:00	24.7	24.3	24.0	23.9	-.41	-.71	-.81	-.30	-.40
16:00	25.1	24.6	24.3	24.1	-.50	-.84	-.96	-.35	-.46
17:00	24.4	24.1	23.8	23.8	-.27	-.51	-.58	-.24	-.30
18:00	24.4	24.1	23.9	23.8	-.31	-.55	-.63	-.24	-.32
19:00	23.7	23.5	23.4	23.4	-.13	-.28	-.27	-.15	-.13
20:00	22.8	22.9	23.0	23.2	.15	.21	.41	.06	.26
21:00	22.2	22.5	22.7	22.9	.36	.51	.72	.15	.36
22:00	21.4	21.9	22.1	22.4	.49	.71	.99	.22	.50
23:00	21.3	21.6	21.7	22.0	.26	.42	.70	.16	.44
Avg	22.5	22.4	22.3	22.3	-.08	-.18	-.14	-.11	-.07
Max	25.2	24.9	24.7	24.7	.49	.71	.99	.22	.50
Hr. of Max	14	14	13	13	22	22	22	22	22
Min	19.9	20.1	20.0	20.0	-.50	-.84	-.96	-.35	-.46
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/3/2015

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	20.1	20.2	20.5	23.7	95.4	95.6	17.3	17.4	0.015277
01:00	20.2	20.2	20.5	23.6	96.2	96.1	17.4	17.5	0.015383
02:00	20.2	20.4	20.6	23.4	95.9	96.7	17.5	17.7	0.015454
03:00	20.1	20.3	20.4	23.3	96.2	97.4	17.3	17.6	0.015284
04:00	19.3	19.5	19.8	23.3	94.7	96.0	16.6	16.8	0.014595
05:00	19.2	19.4	19.6	23.2	95.8	96.7	16.5	16.7	0.014458
06:00	19.0	19.1	19.3	23.1	96.4	96.2	16.3	16.4	0.014264
07:00	19.3	19.2	19.6	23.0	96.6	96.9	16.6	16.5	0.014542
08:00	19.5	19.5	19.9	22.9	94.5	95.6	16.7	16.7	0.014729
09:00	20.0	19.8	20.7	22.9	91.2	91.8	17.2	17.0	0.015234
10:00	20.5	20.5	21.2	23.0	90.7	91.5	17.8	17.7	0.015754
11:00	20.9	20.8	21.9	23.1	86.3	86.7	18.1	18.0	0.01614
12:00	20.7	20.4	21.9	23.3	82.3	82.2	17.8	17.6	0.015885
13:00	19.9	19.6	21.7	23.5	74.2	74.1	16.9	16.6	0.015134
14:00	19.7	19.4	21.5	23.8	73.5	73.6	16.7	16.5	0.014926
15:00	19.9	19.6	21.5	24.0	76.4	77.1	16.9	16.7	0.0151
16:00	20.0	19.8	21.7	24.3	75.4	76.5	17.1	16.9	0.015267
17:00	19.5	19.4	21.1	24.5	76.2	77.0	16.6	16.5	0.014753
18:00	19.3	19.2	21.0	24.6	75.2	76.1	16.4	16.3	0.014595
19:00	19.5	19.5	20.9	24.7	79.3	79.9	16.6	16.6	0.014727
20:00	19.3	19.3	20.5	24.7	83.1	82.2	16.5	16.5	0.014602
21:00	19.1	19.0	20.1	24.6	84.6	82.2	16.2	16.1	0.014336
22:00	18.6	18.4	19.5	24.4	86.1	82.4	15.8	15.6	0.01389
23:00	18.3	18.2	19.3	24.2	85.1	83.1	15.6	15.4	0.013665
Avg	19.7	19.6	20.6	23.7	86.7	86.8	16.9	16.8	0.014916
Max	20.9	20.8	21.9	24.7	96.6	97.4	18.1	18.0	0.01614
Hr. of Max	11	11	12	20	07	03	11	11	11
Min	18.3	18.2	19.3	22.9	73.5	73.6	15.6	15.4	0.013665
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/3/2015

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	0.015381	23.5	23.7	.01	29.00	982.0	-2.5	.00	124.3
01:00	0.015449	23.7	23.8	.06	29.00	982.0	-2.7	.00	248.3
02:00	0.015622	23.8	24.1	.05	28.99	981.8	-2.6	.00	224.0
03:00	0.015548	23.5	23.9	.01	28.98	981.4	-2.7	.00	226.6
04:00	0.014755	22.5	22.7	.07	28.98	981.3	-1.8	.00	223.5
05:00	0.01464	22.3	22.6	.02	28.98	981.6	-1.8	.00	194.5
06:00	0.01439	22.0	22.2	.00	28.98	981.4	1.9	.00	249.3
07:00	0.014484	22.4	22.3	.00	28.99	981.8	60.2	.09	213.1
08:00	0.014699	22.7	22.7	.00	29.00	982.1	108.5	.16	203.4
09:00	0.015023	23.5	23.2	.00	29.00	982.1	286.2	.41	229.5
10:00	0.015707	24.3	24.2	.00	29.01	982.3	98.1	.14	220.6
11:00	0.015966	24.8	24.6	.01	29.01	982.5	269.0	.39	225.3
12:00	0.01567	24.5	24.1	.00	29.01	982.4	332.1	.48	219.4
13:00	0.014847	23.3	22.9	.00	29.01	982.3	438.2	.63	222.6
14:00	0.014671	23.0	22.6	.00	29.01	982.4	428.6	.61	217.3
15:00	0.014853	23.3	22.9	.00	29.01	982.4	452.8	.65	222.3
16:00	0.015039	23.5	23.2	.00	29.00	982.0	485.6	.70	220.2
17:00	0.014675	22.8	22.6	.00	29.00	982.1	246.1	.35	224.4
18:00	0.014504	22.5	22.4	.00	29.00	982.1	255.0	.37	231.1
19:00	0.014714	22.7	22.7	.00	29.00	982.0	107.9	.15	228.4
20:00	0.014576	22.5	22.5	.00	29.00	982.2	23.5	.03	234.5
21:00	0.014236	22.1	22.0	.00	29.02	982.7	-2.5	.00	231.7
22:00	0.013703	21.5	21.2	.00	29.04	983.5	-3.0	.00	238.2
23:00	0.013566	21.2	21.0	.00	29.06	984.0	-1.2	.00	231.7
Avg	0.014863	23.0	22.9	.01	29.00	982.2	148.9	.22	222.0
Max	0.015966	24.8	24.6	.07	29.06	984.0	485.6	.70	249.3
Hr. of Max	11	11	11	04	23	23	16	16	06
Min	0.013566	21.2	21.0	.00	28.98	981.3	-3.0	.00	124.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/3/2015

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	228.0	218.8	249.8	223.8	51.2	34.1	34.1	.3	.7
01:00	249.1	240.7	255.9	243.2	32.6	14.5	8.8	1.0	2.7
02:00	245.0	245.6	238.0	247.7	51.2	24.9	17.5	1.2	2.6
03:00	222.0	210.8	233.0	213.1	27.3	19.7	11.9	2.2	3.8
04:00	231.6	231.2	228.7	233.7	24.9	15.1	12.1	3.7	6.3
05:00	208.2	208.1	212.2	210.6	63.0	50.0	39.1	.8	2.0
06:00	193.7	178.2	264.5	182.4	41.9	42.6	33.2	.6	.8
07:00	224.5	204.0	218.5	206.8	44.9	42.7	35.1	.4	.9
08:00	207.5	204.1	208.3	205.4	25.0	20.3	17.4	2.0	2.9
09:00	230.4	216.2	232.6	217.6	35.1	25.5	20.3	1.9	2.6
10:00	225.1	222.4	227.1	224.2	22.3	16.6	12.5	3.2	5.3
11:00	229.5	227.9	231.2	229.8	24.2	17.0	12.6	4.1	6.3
12:00	224.3	222.6	224.2	224.6	24.7	18.6	16.6	6.1	8.5
13:00	228.9	227.6	227.9	229.9	22.9	16.0	11.5	7.8	11.8
14:00	224.3	222.6	221.8	224.7	23.4	17.1	12.1	6.8	9.9
15:00	225.9	224.8	227.2	227.1	22.7	15.9	12.6	7.4	10.8
16:00	226.3	224.5	226.3	226.7	23.5	17.1	13.1	8.4	12.4
17:00	227.8	227.3	230.6	229.5	22.5	15.1	10.8	8.4	12.4
18:00	236.1	235.7	236.5	237.7	23.0	15.1	11.8	7.1	10.5
19:00	232.6	229.5	232.2	231.7	24.3	14.1	10.1	3.9	6.3
20:00	231.4	227.0	237.8	229.0	22.4	12.0	8.5	2.5	5.3
21:00	226.6	219.7	236.2	222.0	15.9	9.5	7.1	2.8	5.7
22:00	231.3	221.4	242.9	224.1	14.1	7.2	5.4	3.0	5.9
23:00	228.5	220.1	237.4	222.8	15.0	7.2	5.0	3.3	6.6
Avg	226.0	221.0	232.0	223.0	29.1	20.3	15.8	.0	.0
Max	249.1	245.6	264.5	247.7	63.0	50.0	39.1	8.4	12.4
Hr. of Max	01	02	06	02	05	05	05	17	17
Min	193.7	178.2	208.3	182.4	14.1	7.2	5.0	.3	.7
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)

7/3/2015

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	1.8	1.2	1.9	2.5	1.6	2.9	4.1	1.5	.07
01:00	4.8	1.1	2.9	5.0	1.6	5.3	1.5	.7	-.01
02:00	4.1	1.6	3.1	4.7	2.0	5.0	.2	1.7	-.05
03:00	5.1	2.5	4.1	5.3	3.0	5.6	-2.2	-1.1	-.15
04:00	8.0	4.0	6.5	8.2	4.5	8.7	.4	1.3	-.17
05:00	3.1	1.7	2.7	3.6	2.0	3.9	.2	-.2	-.04
06:00	.7	.7	1.2	1.3	1.0	1.7	2.4	-.2	.02
07:00	1.4	1.4	1.7	2.2	1.8	2.5	1.1	2.3	.00
08:00	3.5	2.3	3.2	3.9	2.8	4.2	.6	-.4	-.06
09:00	3.4	2.4	3.1	3.8	2.9	4.2	.2	2.2	-.05
10:00	6.6	3.4	5.5	6.7	4.0	7.3	1.1	1.6	-.08
11:00	8.0	4.4	6.6	8.2	5.1	8.8	1.6	1.4	-.07
12:00	10.4	6.7	8.9	10.8	7.4	11.6	-1.4	.8	-.34
13:00	14.6	8.4	12.2	14.9	9.1	15.9	.4	.2	-.30
14:00	12.0	7.3	10.3	12.2	8.1	13.1	-.4	1.1	-.42
15:00	13.5	7.9	11.2	13.8	8.6	14.7	1.3	1.1	-.20
16:00	15.1	8.9	12.9	15.4	9.9	16.4	1.2	.9	-.21
17:00	15.3	8.9	12.8	15.6	9.8	16.6	-.7	.9	-.45
18:00	12.6	7.6	10.9	12.9	8.2	13.7	-.6	1.0	-.40
19:00	8.6	4.2	6.6	8.8	4.6	9.4	.3	1.3	-.14
20:00	7.8	2.6	5.4	7.8	3.2	8.4	-2.7	.7	-.21
21:00	7.9	2.9	5.8	8.0	3.4	8.5	-2.3	.2	-.19
22:00	7.9	3.1	6.0	7.9	3.4	8.4	-1.5	-.4	-.14
23:00	9.0	3.4	6.6	9.1	3.9	9.6	-2.4	-.4	-.24
Avg	.0	4.1	6.3	8.0	4.7	8.6	.1	.8	-.16
Max	15.3	8.9	12.9	15.6	9.9	16.6	4.1	2.3	.07
Hr. of Max	17	17	16	17	16	17	00	07	00
Min	.7	.7	1.2	1.3	1.0	1.7	-2.7	-1.1	-.45
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)

7/3/2015

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	.04	4.6	4.6	6.0	5.0	5.8	16.6	17.0
01:00	.06	3.9	6.9	8.7	4.3	9.7	14.5	5.5
02:00	.08	5.7	7.1	10.3	6.0	10.1	14.8	8.7
03:00	-.10	8.0	10.8	12.4	8.5	13.0	12.3	7.5
04:00	.11	13.5	16.9	22.4	15.6	19.4	16.0	7.7
05:00	-.03	8.7	15.1	19.0	6.2	10.6	16.8	12.4
06:00	-.01	2.7	4.1	3.7	3.1	3.8	14.7	16.6
07:00	.04	4.8	4.4	4.6	5.1	4.8	14.6	11.5
08:00	-.05	8.5	8.0	8.7	8.0	9.5	17.5	10.5
09:00	.06	7.1	10.5	12.8	7.2	9.5	19.6	15.7
10:00	.17	11.0	14.4	15.3	13.2	16.3	17.4	9.0
11:00	.07	11.9	14.7	16.0	13.9	17.9	18.4	10.0
12:00	.02	17.2	20.2	22.4	21.3	25.1	14.4	9.7
13:00	-.12	20.6	24.0	26.1	23.4	27.8	17.0	8.4
14:00	.05	20.2	23.1	25.2	20.3	27.1	16.6	9.4
15:00	.05	20.2	22.7	22.2	20.2	24.0	18.0	9.9
16:00	.01	23.8	31.8	37.8	24.5	28.1	17.3	9.8
17:00	.02	24.0	25.6	26.1	26.9	28.4	16.4	9.1
18:00	.06	19.2	19.9	23.8	20.7	26.1	16.3	8.6
19:00	.14	13.1	15.8	21.3	14.0	18.4	17.1	7.9
20:00	.07	8.7	11.0	14.2	9.8	14.8	13.3	5.9
21:00	.00	7.6	11.4	16.7	7.2	12.9	10.1	5.1
22:00	-.07	6.9	9.6	18.1	6.6	12.1	9.2	3.5
23:00	-.08	6.9	11.4	14.4	8.1	16.3	10.8	3.3
Avg	.02	11.6	14.3	17.0	12.5	16.3	15.4	9.3
Max	.17	24.0	31.8	37.8	26.9	28.4	19.6	17.0
Hr. of Max	10	17	16	16	17	17	09	00
Min	-.12	2.7	4.1	3.7	3.1	3.8	9.2	3.3
Count	24	24	24	24	24	24	24	24
Total								