Date Printed: 09/11/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/10/2015

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	20.7	20.7	20.6	20.8	-.01	-.07	.06	-.06	.07
01:00	20.6	20.7	20.6	20.7	.10	.04	.10	-.05	.00
02:00	20.6	20.6	20.5	20.5	-.08	-.20	-.15	-.12	-.07
03:00	20.6	20.5	20.3	20.4	-.12	-.26	-.23	-.14	-.11
04:00	20.6	20.4	20.3	20.3	-.12	-.28	-.27	-.16	-.15
05:00	20.6	20.5	20.3	20.4	-.09	-.22	-.18	-.14	-.09
06:00	20.5	20.4	20.3	20.3	-.07	-.19	-.15	-.12	-.08
07:00	20.5	20.4	20.3	20.3	-.13	-.27	-.26	-.14	-.13
08:00	20.6	20.5	20.3	20.3	-.16	-.34	-.34	-.18	-.18
09:00	20.8	20.6	20.4	20.4	-.18	-.35	-.35	-.18	-.17
10:00	21.1	20.9	20.7	20.7	-.21	-.42	-.43	-.20	-.22
11:00	21.6	21.3	21.1	21.1	-.25	-.46	-.49	-.21	-.24
12:00	22.2	21.8	21.6	21.5	-.40	-.65	-.70	-.25	-.31
13:00	23.6	23.2	22.9	22.8	-.46	-.72	-.81	-.26	-.35
14:00	24.6	24.0	23.7	23.7	-.56	-.84	-.91	-.27	-.35
15:00	24.5	24.1	23.9	23.9	-.35	-.56	-.63	-.21	-.29
16:00	25.4	24.9	24.6	24.5	-.55	-.83	-.95	-.28	-.40
17:00	26.0	25.5	25.3	25.1	-.44	-.69	-.82	-.25	-.39
18:00	24.1	24.4	24.7	24.9	.27	.61	.76	.34	.48
19:00	23.8	23.7	23.6	23.7	-.11	-.21	-.19	-.10	-.08
20:00	22.7	22.6	22.6	22.7	-.04	-.11	-.01	-.07	.03
21:00	22.2	22.2	22.3	22.4	.04	.11	.26	.06	.22
22:00	21.5	22.0	22.2	22.3	.52	.67	.76	.14	.23
23:00	20.6	21.1	21.5	21.7	.52	.95	1.14	.43	.62
Avg	22.1	22.0	21.9	21.9	-.12	-.22	-.20	-.10	-.08
Max	26.0	25.5	25.3	25.1	.52	.95	1.14	.43	.62
Hr. of Max	17	17	17	17	23	23	23	23	23
Min	20.5	20.4	20.3	20.3	-.56	-.84	-.95	-.28	-.40
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/10/2015

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	19.6	19.7	20.0	26.0	95.7	96.5	16.9	17.0	0.014837
01:00	19.6	19.7	20.0	25.9	96.6	96.6	16.9	17.0	0.014874
02:00	19.6	19.6	19.9	25.8	95.8	96.8	16.8	16.9	0.014809
03:00	19.5	19.6	19.8	25.7	95.6	96.9	16.7	16.8	0.01472
04:00	19.5	19.6	19.8	25.6	95.6	97.2	16.7	16.9	0.014705
05:00	19.5	19.7	19.8	25.6	95.8	97.4	16.7	16.9	0.014718
06:00	19.4	19.6	19.8	25.5	96.0	97.5	16.7	16.9	0.014668
07:00	19.5	19.6	19.8	25.4	96.0	97.3	16.8	16.9	0.014734
08:00	19.5	19.6	19.9	25.3	95.6	97.1	16.8	16.9	0.014744
09:00	19.6	19.7	20.0	25.2	95.5	96.9	16.9	17.0	0.014843
10:00	19.9	20.0	20.3	25.1	95.0	96.6	17.2	17.2	0.015122
11:00	20.2	20.2	20.6	25.1	94.2	95.5	17.4	17.4	0.015388
12:00	20.6	20.3	21.1	25.0	92.9	93.5	17.8	17.6	0.015788
13:00	20.4	19.9	21.5	25.0	84.2	84.0	17.5	17.1	0.015605
14:00	20.1	19.5	21.6	25.1	78.1	77.7	17.2	16.6	0.015344
15:00	19.7	19.3	21.3	25.2	76.8	76.5	16.8	16.4	0.015008
16:00	19.5	19.1	21.5	25.3	71.7	72.2	16.6	16.2	0.01483
17:00	19.3	18.8	21.5	25.4	68.3	68.2	16.3	15.9	0.014605
18:00	20.8	20.2	21.9	25.5	83.8	79.4	17.9	17.3	0.016033
19:00	20.8	20.6	21.8	25.6	85.2	84.8	18.0	17.8	0.016023
20:00	20.8	20.9	21.4	25.6	91.4	92.1	18.0	18.1	0.016032
21:00	20.5	20.7	21.1	25.6	92.8	93.3	17.8	17.9	0.01577
22:00	20.3	20.5	20.7	25.6	95.0	93.2	17.5	17.7	0.015483
23:00	19.5	19.8	19.8	25.6	95.5	94.9	16.7	17.1	0.0147
Avg	19.9	19.8	20.6	25.4	90.1	90.5	17.1	17.1	0.015141
Max	20.8	20.9	21.9	26.0	96.6	97.5	18.0	18.1	0.016033
Hr. of Max	20	20	18	00	01	06	20	20	18
Min	19.3	18.8	19.8	25.0	68.3	68.2	16.3	15.9	0.014605
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)

9/10/2015

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	0.014956	22.9	23.1	.00	29.00	982.2	-2.2	.00	264.3
01:00	0.014969	22.9	23.1	.02	29.00	982.0	-2.3	.00	261.8
02:00	0.014879	22.8	22.9	.01	28.99	981.9	-2.5	.00	246.0
03:00	0.014805	22.7	22.8	.00	28.99	981.8	-2.5	.00	222.8
04:00	0.014838	22.7	22.9	.00	29.00	982.1	-2.0	.00	226.5
05:00	0.014893	22.7	23.0	.01	29.00	982.1	-1.5	.00	225.2
06:00	0.014831	22.6	22.9	.02	29.00	982.2	-2.0	.00	225.5
07:00	0.014816	22.7	22.9	.00	29.01	982.4	7.3	.01	236.2
08:00	0.014836	22.8	22.9	.05	29.02	982.6	26.2	.04	224.7
09:00	0.014901	22.9	23.0	.11	29.01	982.5	53.8	.08	220.4
10:00	0.015166	23.3	23.4	.06	29.01	982.6	112.4	.16	228.8
11:00	0.015361	23.7	23.7	.02	29.02	982.7	108.8	.16	224.0
12:00	0.015518	24.3	23.9	.01	29.01	982.3	338.6	.49	220.0
13:00	0.015138	24.0	23.3	.00	28.98	981.5	465.3	.67	225.2
14:00	0.014753	23.6	22.7	.00	28.97	981.0	540.2	.77	209.0
15:00	0.014645	23.1	22.6	.00	28.95	980.4	237.6	.34	294.3
16:00	0.014432	22.8	22.2	.00	28.93	979.6	454.7	.65	25.6
17:00	0.014204	22.5	21.9	.00	28.92	979.2	258.7	.37	354.5
18:00	0.015444	24.6	23.7	.00	28.92	979.3	65.9	.09	320.0
19:00	0.01584	24.6	24.3	.00	28.94	979.9	42.7	.06	226.2
20:00	0.016103	24.6	24.7	.00	28.96	980.7	-2.2	.00	244.9
21:00	0.015898	24.3	24.5	.00	28.97	981.1	-2.3	.00	250.7
22:00	0.015685	23.8	24.1	.00	28.98	981.6	-2.6	.00	299.0
23:00	0.015076	22.7	23.2	.00	28.99	981.8	-2.4	.00	300.4
Avg	0.015083	23.3	23.2	.01	28.98	981.5	112.0	.16	248.0
Max	0.016103	24.6	24.7	.11	29.02	982.7	540.2	.77	354.5
Hr. of Max	20	20	20	09	11	11	14	14	17
Min	0.014204	22.5	21.9	.00	28.92	979.2	-2.6	.00	25.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/10/2015

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	231.9	211.0	263.8	213.1	16.9	14.0	8.8	1.5	2.8
01:00	229.6	211.8	264.5	213.5	15.9	16.8	10.7	1.7	2.8
02:00	245.1	239.7	248.0	241.5	18.7	11.8	7.4	2.1	3.8
03:00	224.0	223.9	223.7	226.3	20.2	9.4	6.4	2.0	3.9
04:00	228.1	225.7	230.6	227.9	19.3	12.3	8.7	2.6	4.4
05:00	231.5	233.0	230.2	235.0	19.0	11.0	7.4	2.4	4.3
06:00	221.6	216.0	228.4	218.0	22.5	13.2	8.4	1.7	3.5
07:00	218.7	209.2	235.1	210.6	25.9	23.5	15.3	1.1	1.9
08:00	217.1	217.8	229.1	219.5	24.9	22.4	13.8	1.4	2.4
09:00	221.2	216.6	225.9	218.6	23.5	15.5	9.7	2.2	3.7
10:00	230.1	228.0	234.6	230.0	21.5	14.2	10.3	3.1	4.8
11:00	223.4	228.3	224.1	230.4	24.5	20.3	11.1	2.2	3.6
12:00	224.7	223.5	224.9	225.9	21.1	13.0	9.0	4.3	6.4
13:00	228.7	227.9	229.6	229.5	27.1	21.3	15.4	3.8	5.2
14:00	217.5	225.5	211.5	225.9	33.4	26.7	25.3	2.5	3.1
15:00	319.9	319.1	297.6	317.5	42.2	47.5	33.0	1.4	2.3
16:00	39.3	34.6	26.5	30.2	38.2	29.2	30.6	.9	1.3
17:00	10.3	354.4	350.8	351.3	68.5	56.5	38.3	.9	1.3
18:00	344.2	327.7	319.5	325.6	40.5	38.7	32.7	.8	.6
19:00	221.2	231.6	227.4	232.1	25.5	22.3	19.3	1.6	2.2
20:00	231.1	226.2	245.9	228.3	24.3	16.0	7.7	1.8	3.2
21:00	261.4	269.2	254.3	269.2	15.5	10.2	9.1	2.2	3.9
22:00	302.5	301.8	298.3	299.0	34.6	29.4	16.9	.8	1.2
23:00	6.1	15.6	296.4	13.0	44.5	37.9	50.4	.9	.9
Avg	244.0	242.0	250.0	244.0	27.8	22.2	16.9	.0	.0
Max	344.2	354.4	350.8	351.3	68.5	56.5	50.4	4.3	6.4
Hr. of Max	18	17	17	17	17	17	23	12	12
Min	6.1	15.6	26.5	13.0	15.5	9.4	6.4	.8	.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/10/2015

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	4.0	1.6	2.9	4.1	2.0	4.4	-4.4	-1.4	-.17
01:00	4.2	1.9	2.9	4.3	2.1	4.6	-2.5	-3.2	-.10
02:00	5.2	2.2	3.9	5.3	2.6	5.7	-.8	.0	-.12
03:00	5.1	2.1	4.0	5.2	2.5	5.5	.4	.0	-.07
04:00	5.7	2.7	4.5	5.8	3.0	6.3	-.1	-.5	-.10
05:00	5.8	2.6	4.4	5.9	2.8	6.3	.3	-.4	-.08
06:00	5.2	1.9	3.6	5.3	2.3	5.7	-.3	-.4	-.07
07:00	3.2	1.2	2.1	3.4	1.6	3.7	3.7	1.5	.05
08:00	3.8	1.5	2.5	3.9	2.0	4.2	.6	.3	-.03
09:00	5.2	2.4	3.8	5.3	2.7	5.6	.1	-.9	-.08
10:00	6.1	3.3	4.9	6.2	3.7	6.6	1.1	-.9	-.09
11:00	4.8	2.4	3.8	4.9	2.7	5.3	5.2	.6	.10
12:00	8.0	4.5	6.6	8.0	5.0	8.5	1.0	-1.9	-.12
13:00	6.2	4.2	5.5	6.4	4.7	7.0	3.0	2.1	.03
14:00	3.5	3.7	4.5	4.8	4.3	5.2	-.6	1.8	-.12
15:00	2.9	2.0	2.8	3.3	2.4	3.6	-2.3	-4.9	-.24
16:00	1.5	1.7	2.3	2.4	2.2	2.9	-4.3	-7.8	-.15
17:00	1.5	1.3	1.6	1.8	1.8	2.4	-5.4	-10.7	-.28
18:00	.9	1.1	1.4	1.8	1.4	2.0	-1.2	4.6	-.07
19:00	2.6	1.7	2.4	2.7	2.2	3.0	.2	-2.6	.00
20:00	4.2	2.0	3.4	4.3	2.3	4.6	-.9	-1.2	-.10
21:00	5.0	2.3	4.1	5.3	2.6	5.4	-.8	-.4	-.07
22:00	2.2	1.2	1.6	2.5	1.5	2.7	.9	.3	-.01
23:00	1.6	1.5	1.8	2.1	1.7	2.5	-.4	1.8	-.05
Avg	.0	2.2	3.4	4.4	2.6	4.7	-.3	-1.0	-.08
Max	8.0	4.5	6.6	8.0	5.0	8.5	5.2	4.6	.10
Hr. of Max	12	12	12	12	12	12	11	18	11
Min	.9	1.1	1.4	1.8	1.4	2.0	-5.4	-10.7	-.28
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/10/2015

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	-.11	4.6	7.6	13.5	5.0	8.2	10.7	4.4
01:00	-.23	4.8	6.9	9.6	5.7	10.2	10.3	7.4
02:00	-.02	5.7	7.3	8.9	6.3	9.3	12.6	5.0
03:00	-.02	8.7	10.3	12.6	6.1	9.2	14.2	4.7
04:00	-.12	9.4	12.4	15.1	8.1	11.9	15.1	7.1
05:00	-.07	8.5	12.4	18.8	8.8	11.6	14.7	4.8
06:00	-.07	5.3	7.1	9.8	5.9	9.1	14.5	6.0
07:00	.07	4.1	5.7	7.1	4.7	7.5	18.5	9.2
08:00	-.03	5.3	6.2	7.1	5.9	8.0	18.1	9.3
09:00	-.14	6.0	9.2	12.8	6.7	9.2	16.7	6.8
10:00	-.17	8.0	10.1	12.8	8.9	12.1	16.9	7.7
11:00	-.05	6.6	9.6	10.5	7.3	9.6	19.7	9.3
12:00	-.38	10.1	12.4	13.7	11.0	15.0	17.2	7.7
13:00	.12	9.8	10.8	11.0	10.7	12.0	20.2	14.4
14:00	.01	7.8	9.4	11.4	10.7	10.7	17.8	16.5
15:00	-.41	8.2	8.9	8.0	8.3	9.0	21.2	17.0
16:00	-.45	6.4	7.3	6.6	7.1	7.0	28.7	26.0
17:00	-.63	6.2	5.7	5.3	5.2	5.7	29.8	28.9
18:00	.15	3.4	3.0	3.7	3.2	4.0	13.9	12.1
19:00	-.08	4.6	5.5	5.0	4.9	5.4	12.7	10.5
20:00	-.10	6.0	7.1	6.9	6.6	7.3	10.9	2.9
21:00	-.07	6.9	11.4	12.4	6.6	10.6	10.8	5.4
22:00	-.04	4.4	6.4	10.5	4.6	7.0	9.6	12.5
23:00	.07	4.6	6.6	10.3	4.0	6.4	10.9	15.4
Avg	-.12	6.5	8.3	10.1	6.8	9.0	16.1	10.5
Max	.15	10.1	12.4	18.8	11.0	15.0	29.8	28.9
Hr. of Max	18	12	12	05	12	12	17	17
Min	-.63	3.4	3.0	3.7	3.2	4.0	9.6	2.9
Count	24	24	24	24	24	24	24	24
Total								