Date Printed: 11/04/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

11/3/2014

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	-1.4	.0	.7	1.5	1.39	2.09	2.94	.70	1.55
01:00	-1.7	-.4	.1	.7	1.33	1.83	2.40	.50	1.07
02:00	-1.8	-.9	-.6	.3	.91	1.24	2.10	.33	1.19
03:00	-1.4	-.4	-.2	.3	.97	1.18	1.63	.22	.66
04:00	-1.4	-.3	-.1	.1	1.07	1.26	1.54	.19	.48
05:00	-.5	.0	.3	.5	.45	.72	.94	.27	.49
06:00	.3	.8	.8	.9	.47	.50	.62	.03	.14
07:00	.7	1.4	1.3	1.4	.64	.63	.67	-.02	.03
08:00	3.3	2.9	2.7	2.6	-.39	-.59	-.65	-.19	-.25
09:00	6.0	5.3	5.1	4.9	-.64	-.88	-1.04	-.25	-.40
10:00	8.5	7.7	7.5	7.3	-.74	-1.00	-1.22	-.26	-.47
11:00	11.0	10.2	9.9	9.9	-.80	-1.07	-1.16	-.27	-.36
12:00	13.4	12.5	12.3	12.2	-.85	-1.13	-1.20	-.27	-.34
13:00	15.2	14.3	14.0	13.9	-.89	-1.19	-1.32	-.29	-.43
14:00	16.4	15.5	15.2	15.1	-.87	-1.17	-1.30	-.30	-.43
15:00	16.9	16.3	16.0	15.8	-.59	-.93	-1.05	-.34	-.46
16:00	16.6	16.5	16.3	16.2	-.13	-.36	-.47	-.23	-.34
17:00	12.5	15.0	15.4	15.6	2.47	2.92	3.06	.45	.60
18:00	9.2	12.3	13.1	14.0	3.02	3.83	4.79	.81	1.77
19:00	7.3	10.1	10.8	12.3	2.77	3.44	4.95	.67	2.18
20:00	5.8	8.4	9.3	10.7	2.66	3.55	4.90	.89	2.24
21:00	4.8	7.1	7.8	9.4	2.27	2.95	4.60	.68	2.32
22:00	3.9	6.3	7.1	8.6	2.39	3.16	4.68	.77	2.29
23:00	3.2	5.3	6.4	7.7	2.10	3.21	4.50	1.11	2.40
Avg	6.1	6.9	7.1	7.6	.79	1.01	1.45	.22	.66
Max	16.9	16.5	16.3	16.2	3.02	3.83	4.95	1.11	2.40
Hr. of Max	15	16	16	16	18	18	19	23	23
Min	-1.8	-.9	-.6	.1	-.89	-1.19	-1.32	-.34	-.47
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/3/2014

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	-2.9	-2.3	-2.4	9.9	90.4	85.4	3.9	4.1	0.003099
01:00	-3.1	-2.3	-2.7	9.7	90.8	87.7	3.9	4.1	0.00304
02:00	-3.0	-2.4	-2.6	9.5	92.0	90.4	3.9	4.1	0.00306
03:00	-2.6	-2.1	-2.2	9.4	92.0	88.8	4.0	4.2	0.003171
04:00	-2.6	-2.1	-2.2	9.2	92.1	88.2	4.0	4.1	0.003161
05:00	-1.7	-1.8	-1.3	9.0	91.6	88.0	4.3	4.2	0.003367
06:00	-1.0	-1.1	-.6	9.0	91.3	87.9	4.5	4.5	0.003557
07:00	-.6	-.6	-.2	8.9	91.3	87.1	4.6	4.6	0.003654
08:00	.4	-.4	1.4	8.8	82.2	79.3	5.0	4.7	0.003951
09:00	-.1	-.8		8.9	65.6	65.4	4.7	4.5	0.0038
10:00	-1.1	-1.7	2.1	9.0	51.7	52.1	4.4	4.2	0.003559
11:00	-2.1	-2.9	2.3	9.2	40.6	40.3	4.0	3.8	0.003318
12:00	-3.4	-4.1	2.2	9.4	31.7	31.7	3.7	3.5	0.003034
13:00	-2.7	-3.3	3.2	9.9	29.6	30.0	3.8	3.7	0.003191
14:00	-3.6	-4.4	3.0	10.4	25.6	25.5	3.6	3.4	0.002992
15:00	-3.0	-3.6	3.6	10.8	26.1	25.8	3.7	3.6	0.003137
16:00	-3.2	-4.0	3.4	11.1	26.2	24.7	3.7	3.5	0.003102
17:00	.7	-2.7	4.7	11.4	45.6	30.3	4.9	3.8	0.004094
18:00	1.6	-1.7	4.1	11.5	59.5	38.6	5.3	4.2	0.004331
19:00	1.4	.2	3.4	11.5	66.7	50.9	5.2	4.8	0.004267
20:00	1.5	.6	2.9	11.5	74.5	58.6	5.3	5.0	0.004282
21:00	1.5	1.2	2.6	11.4	79.8	66.9	5.3	5.2	0.004291
22:00	1.2	1.3	2.1	11.2	83.1	71.0	5.2	5.2	0.004188
23:00	.9	1.0	1.7	11.1	85.7	74.2	5.1	5.1	0.004108
Avg	-1.1	-1.7	1.2	10.1	66.9	61.2	4.4	4.3	0.003573
Max	1.6	1.3	4.7	11.5	92.1	90.4	5.3	5.2	0.004331
Hr. of Max	18	22	17	20	04	02	21	22	18
Min	-3.6	-4.4	-2.7	8.8	25.6	24.7	3.6	3.4	0.002992
Count	24	24	23	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/3/2014

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	0.00324	4.9	5.2	.00	29.48	998.4	-2.0	.00	41.6
01:00	0.003238	4.9	5.2	.00	29.48	998.3	-2.6	.00	275.0
02:00	0.003215	4.9	5.1	.00	29.49	998.6	-2.5	.00	21.6
03:00	0.003285	5.1	5.2	.00	29.48	998.5	-1.9	.00	59.7
04:00	0.003271	5.1	5.2	.00	29.49	998.8	-1.3	.00	62.1
05:00	0.003344	5.4	5.3	.00	29.51	999.3	-2.4	.00	3.5
06:00	0.003543	5.7	5.7	.00	29.52	999.6	-1.8	.00	50.4
07:00	0.003653	5.8	5.8	.00	29.53	1000.2	56.7	.08	46.5
08:00	0.003706	6.3	5.9	.00	29.54	1000.5	260.6	.37	96.6
09:00	0.003626	6.1	5.8	.00	29.55	1000.6	436.6	.63	94.3
10:00	0.003409	5.7	5.5	.00	29.54	1000.4	569.8	.82	81.4
11:00	0.003122	5.3	5.0	.00	29.53	1000.2	643.2	.92	93.2
12:00	0.002869	4.8	4.6	.00	29.50	999.0	669.4	.96	174.7
13:00	0.003051	5.1	4.9	.00	29.47	997.9	629.5	.90	214.2
14:00	0.002818	4.8	4.5	.00	29.44	997.0	528.5	.76	223.0
15:00	0.002991	5.0	4.8	.00	29.43	996.6	376.4	.54	226.6
16:00	0.002906	4.9	4.6	.00	29.41	996.1	186.3	.27	223.6
17:00	0.003209	6.5	5.1	.00	29.42	996.2	18.8	.03	248.1
18:00	0.003438	6.9	5.5	.00	29.42	996.4	-1.6	.00	323.9
19:00	0.003927	6.8	6.3	.00	29.43	996.6	-2.3	.00	25.7
20:00	0.004044	6.8	6.4	.00	29.43	996.8	-2.4	.00	250.1
21:00	0.004208	6.8	6.7	.00	29.43	996.8	-2.2	.00	75.4
22:00	0.004232	6.7	6.7	.00	29.44	996.9	-2.2	.00	283.0
23:00	0.004122	6.5	6.6	.00	29.44	996.9	-2.4	.00	238.1
Avg	0.003436	5.7	5.5	.00	29.48	998.2	181.2	.26	43.0
Max	0.004232	6.9	6.7	.00	29.55	1000.6	669.4	.96	323.9
Hr. of Max	22	18	22	23	09	09	12	12	18
Min	0.002818	4.8	4.5	.00	29.41	996.1	-2.6	.00	3.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/3/2014

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	63.1	52.9	44.8	48.8	38.6	12.7	6.5	.9	2.3
01:00	42.0	36.5	275.3	31.2	25.4	44.1	11.9	.3	1.0
02:00	58.8	60.2	17.9	56.1	33.4	43.4	14.6	.7	1.7
03:00	64.4	57.0	59.7	52.8	15.7	11.5	3.7	1.4	3.2
04:00	60.8	61.4	63.1	57.4	24.8	12.7	8.8	.6	2.2
05:00	45.4	50.0	350.9	47.4	63.1	48.9	37.5	.0	1.0
06:00	53.9	60.0	53.9	55.8	44.7	20.4	13.4	.9	2.1
07:00	55.9	59.7	48.2	55.5	23.6	13.6	8.8	.9	2.4
08:00	81.2	61.1	100.9	58.3	29.5	25.6	20.9	2.2	2.6
09:00	89.5	81.5	96.1	77.7	16.9	18.5	18.2	4.1	3.9
10:00	77.6	68.7	81.6	62.1	46.3	36.0	33.5	2.3	2.7
11:00	96.3	92.2	96.1	92.5	54.6	59.1	64.4	1.2	1.1
12:00	189.8	199.6	179.2	200.4	44.5	49.4	50.8	1.4	1.5
13:00	224.7	219.7	221.8	220.0	37.4	32.3	30.3	3.2	3.8
14:00	227.8	228.5	228.1	229.7	35.0	31.1	26.8	3.7	4.6
15:00	232.4	228.6	232.6	230.2	28.4	22.0	16.8	3.6	4.7
16:00	229.6	224.0	227.4	225.0	21.8	17.8	15.0	3.1	4.0
17:00	217.2	208.3	252.6	209.6	18.2	11.8	7.7	1.2	3.1
18:00	210.4	236.1	328.7	236.3	51.1	54.7	9.3	.2	.1
19:00	65.3	253.2	41.6	250.6	59.9	33.8	39.8	.2	.3
20:00	245.3	230.4	243.5	231.2	52.5	30.0	12.3	.1	.4
21:00	72.2	302.4	80.5	303.8	33.9	35.8	23.9	.2	.7
22:00	245.8	175.1	283.1	177.5	27.0	36.1	25.9	.1	.0
23:00	235.5	232.9	238.9	233.5	13.1	9.0	7.9	.9	.8
Avg	102.0	123.0	43.0	115.0	35.0	29.6	21.2	.0	.0
Max	245.8	302.4	350.9	303.8	63.1	59.1	64.4	4.1	4.7
Hr. of Max	22	21	05	21	05	11	11	09	15
Min	42.0	36.5	17.9	31.2	13.1	9.0	3.7	.0	.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/3/2014

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	3.3	1.0	2.4	3.3	1.5	3.9	1.7	1.3	.03
01:00	2.5	.8	1.1	2.6	1.3	3.2	.0	.1	.00
02:00	2.6	1.1	1.7	2.8	1.6	3.4	-1.1	-.4	-.07
03:00	5.3	1.5	3.2	5.4	1.9	5.9	-1.2	-2.2	-.06
04:00	3.3	.8	2.3	3.3	1.2	3.9	2.5	-1.8	.04
05:00	1.5	.7	1.4	1.6	1.2	2.2	.4	-1.6	.00
06:00	3.2	1.1	2.3	3.3	1.5	3.8	-2.5	-1.4	-.08
07:00	3.3	1.1	2.5	3.3	1.5	3.9	-.3	-1.4	-.04
08:00	2.8	2.4	2.8	3.0	3.1	3.7	3.2	9.1	.15
09:00	3.8	4.2	4.1	4.0	4.7	4.6	-.9	.4	-.08
10:00	2.7	2.9	3.2	3.1	3.5	3.9	-1.9	-4.0	-.14
11:00	.7	2.2	2.0	1.7	2.8	2.6	1.4	1.3	.11
12:00	1.8	2.3	2.3	2.6	3.1	3.5	-2.5	-.5	-.17
13:00	4.3	4.0	4.6	5.0	4.6	5.8	1.3	-2.2	.00
14:00	5.4	4.3	5.1	5.8	5.0	6.6	1.2	.5	-.04
15:00	5.5	4.0	5.0	5.7	4.6	6.4	.9	-2.0	-.11
16:00	4.4	3.3	4.2	4.6	3.8	5.2	.2	1.3	-.10
17:00	4.4	1.5	3.3	4.6	1.8	5.1	2.5	.8	.04
18:00	1.9	.4	.6	1.9	.8	2.4	1.6	.3	.02
19:00	.6	.4	.4	.8	.7	1.2	2.4	.3	.03
20:00	1.8	.1	.4	1.8	.6	2.4	2.5	.3	.03
21:00	.2	.3	.7	.4	.7	.9	3.0	-.1	.04
22:00	.1	.1	.3	.2	.5	.9	1.7	-.3	.02
23:00	1.8	.9	.8	1.8	1.5	2.4	2.2	-.6	.03
Avg	.0	1.7	2.4	3.0	2.2	3.7	.8	-.1	-.01
Max	5.5	4.3	5.1	5.8	5.0	6.6	3.2	9.1	.15
Hr. of Max	15	14	14	14	14	14	08	08	08
Min	.1	.1	.3	.2	.5	.9	-2.5	-4.0	-.17
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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11/3/2014

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	.08	2.5	4.4	7.1	3.2	6.0	8.5	3.3
01:00	.01	2.5	6.4	9.6	3.1	7.0	7.1	4.0
02:00	-.05	3.9	5.5	6.4	4.1	6.9	7.2	3.0
03:00	-.22	3.7	10.5	11.9	4.4	8.6	8.2	2.9
04:00	-.14	3.7	6.0	10.8	3.1	6.4	9.9	4.8
05:00	-.05	2.7	4.1	6.2	3.3	4.2	10.5	7.0
06:00	-.08	3.2	5.3	6.4	3.6	7.0	10.1	5.9
07:00	-.12	3.9	8.5	7.3	4.2	8.3	13.6	6.5
08:00	.45	6.6	6.6	7.6	7.4	8.0	17.7	19.1
09:00	.01	8.9	8.7	8.0			14.2	16.7
10:00	-.37	8.0	8.5	7.6	9.1	8.7	24.3	27.7
11:00	.07	6.6	8.0	9.6	7.2	6.9	28.7	39.7
12:00	-.08	5.7	6.9	9.2	7.2	9.1	29.7	32.8
13:00	-.23	12.1	12.6	13.1	11.1	15.5	21.6	21.9
14:00	-.04	11.0	11.0	13.1	11.1	14.2	19.8	19.8
15:00	-.31	10.1	11.0	12.6	10.9	13.4	18.4	13.5
16:00	-.01	11.9	11.4	11.9	9.5	10.1	13.9	12.6
17:00	.06	4.6	6.6	8.0	6.1	8.5	9.1	5.1
18:00	.01	1.8	3.7	7.3	2.0	4.6	7.2	4.0
19:00	.01	1.8	1.4	2.1	2.1	2.4	8.2	6.9
20:00	.02	1.1	1.8	3.0	1.8	3.7	7.4	3.6
21:00	.00	1.1	1.6	4.1	1.4	2.7	6.5	5.0
22:00	.00	1.4	2.3	2.1	1.6	2.6	5.6	7.4
23:00	-.01	2.7	2.5	3.9	3.8	4.4	5.3	2.9
Avg	-.04	5.1	6.5	7.9	5.3	7.4	13.0	11.5
Max	.45	12.1	12.6	13.1	11.1	15.5	29.7	39.7
Hr. of Max	08	13	13	14	14	13	12	11
Min	-.37	1.1	1.4	2.1	1.4	2.4	5.3	2.9
Count	24	24	24	24	23	23	24	24
Total								