Date Printed: 11/22/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

11/21/2014

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	-1.1	3.3	4.6	4.8	4.43	5.63	5.90	1.20	1.47
01:00	.1	4.1	4.2	4.3	4.07	4.17	4.25	.10	.18
02:00	-.1	3.0	3.1	3.3	3.11	3.27	3.39	.16	.28
03:00	-.2	2.2	2.4	2.5	2.35	2.55	2.68	.21	.33
04:00	-1.2	.5	1.1	1.8	1.67	2.30	3.00	.63	1.32
05:00	-2.3	-.5	-.1	.6	1.86	2.21	2.97	.36	1.12
06:00	-3.0	-.9	-.4	.2	2.06	2.55	3.15	.49	1.09
07:00	-3.0	-.8	-.6	-.4	2.20	2.41	2.68	.22	.48
08:00	.0	.2	.0	-.1	.18	.05	-.07	-.13	-.25
09:00	2.4	2.0	1.7	1.4	-.40	-.71	-.96	-.31	-.56
10:00	4.1	3.5	3.1	2.9	-.62	-1.02	-1.27	-.39	-.65
11:00	6.4	5.3	5.1	4.9	-1.05	-1.30	-1.51	-.26	-.46
12:00	7.8	6.9	6.5	6.3	-.91	-1.27	-1.50	-.36	-.58
13:00	9.0	8.2	7.7	7.4	-.86	-1.33	-1.66	-.47	-.79
14:00	9.8	9.0	8.7	8.5	-.78	-1.12	-1.31	-.34	-.53
15:00	10.2	9.7	9.4	9.2	-.40	-.76	-.95	-.35	-.54
16:00	9.7	9.8	9.6	9.5	.13	-.07	-.17	-.20	-.30
17:00	6.0	8.5	8.9	9.1	2.50	2.94	3.15	.44	.65
18:00	3.2	5.9	7.1	8.2	2.78	3.95	4.99	1.17	2.21
19:00	1.7	4.0	5.7	7.2	2.31	3.93	5.42	1.63	3.11
20:00	.3	2.8	4.7	5.6	2.49	4.33	5.23	1.84	2.74
21:00	-.6	1.7	3.3	4.5	2.35	3.86	5.14	1.51	2.79
22:00	-1.6	1.0	2.1	3.5	2.52	3.65	5.05	1.13	2.53
23:00	-1.8	.0	1.0	2.3	1.83	2.82	4.14	.99	2.31
Avg	2.3	3.7	4.1	4.5	1.41	1.79	2.16	.39	.75
Max	10.2	9.8	9.6	9.5	4.43	5.63	5.90	1.84	3.11
Hr. of Max	15	16	16	16	00	00	00	20	19
Min	-3.0	-.9	-.6	-.4	-1.05	-1.33	-1.66	-.47	-.79
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/21/2014

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	-4.4	-5.9	-3.3	6.1	78.8	51.8	3.5	3.1	0.002777
01:00	-4.5	-7.2	-3.0	5.9	71.9	43.9	3.5	2.8	0.002761
02:00	-4.8	-7.2	-3.2	5.8	71.3	47.7	3.4	2.8	0.002691
03:00	-5.2	-7.0	-3.6	5.7	69.2	51.3	3.3	2.9	0.002601
04:00	-5.6	-6.5	-4.1	5.6	72.6	60.1	3.2	3.0	0.002532
05:00	-5.5	-5.9	-4.4	5.5	79.4	67.2	3.3	3.1	0.002546
06:00	-5.6	-5.7	-4.7	5.4	82.7	70.6	3.2	3.2	0.002524
07:00	-5.4	-6.1	-4.6	5.3	84.0	67.7	3.3	3.1	0.002552
08:00	-5.8	-6.7	-3.9	5.2	65.7	60.4	3.1	2.9	0.002478
09:00	-6.8	-7.6	-3.7	5.1	51.3	49.4	2.9	2.7	0.002309
10:00	-8.8	-9.5	-4.5	5.1	38.9	38.7	2.5	2.4	0.00198
11:00	-11.5	-12.5	-5.6	5.2	27.1	26.8	2.0	1.9	0.001613
12:00	-12.0	-12.6	-5.4	5.2	23.7	23.9	1.9	1.8	0.001563
13:00	-12.4	-13.0	-5.3	5.3	21.2	21.4	1.9	1.8	0.00152
14:00	-10.7	-11.3	-3.9	5.5	22.9	23.1	2.1	2.0	0.001726
15:00	-11.1	-11.3	-4.0	5.8	21.7	21.9	2.1	2.0	0.00168
16:00	-11.4	-12.2	-4.3	6.0	21.9	20.3	2.0	1.9	0.001642
17:00	-9.0	-12.5	-4.0	6.1	34.1	21.8	2.4	1.8	0.001967
18:00	-8.4	-10.6	-4.5	6.2	43.1	30.1	2.6	2.2	0.002052
19:00	-8.1	-8.7	-4.8	6.2	48.5	39.6	2.6	2.5	0.002089
20:00	-7.7	-8.2	-5.0	6.2	55.5	44.7	2.7	2.6	0.002154
21:00	-7.1	-7.0	-4.9	6.1	62.1	52.8	2.9	2.9	0.002254
22:00	-6.2	-7.5	-4.7	6.0	70.7	53.6	3.1	2.8	0.002398
23:00	-6.4	-6.8	-4.9	5.9	71.5	60.5	3.0	2.9	0.002376
Avg	-7.7	-8.7	-4.3	5.7	53.7	43.7	2.8	2.5	0.002199
Max	-4.4	-5.7	-3.0	6.2	84.0	70.6	3.5	3.2	0.002777
Hr. of Max	00	06	01	20	07	06	01	06	00
Min	-12.4	-13.0	-5.6	5.1	21.2	20.3	1.9	1.8	0.00152
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/21/2014

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	0.002484	4.4	4.0	.00	29.37	994.6	-2.5	.00	287.3
01:00	0.002258	4.4	3.6	.00	29.38	994.9	-1.5	.00	256.1
02:00	0.002255	4.3	3.6	.00	29.40	995.5	-3.0	.00	248.7
03:00	0.002283	4.1	3.6	.00	29.41	996.1	-3.3	.00	275.4
04:00	0.002369	4.0	3.8	.00	29.43	996.6	-2.6	.00	43.0
05:00	0.002472	4.1	3.9	.00	29.45	997.3	-2.6	.00	62.9
06:00	0.002511	4.0	4.0	.00	29.47	998.0	-2.5	.00	39.5
07:00	0.002422	4.1	3.9	.00	29.50	998.9	20.7	.03	40.9
08:00	0.002318	4.0	3.7	.00	29.51	999.5	193.4	.28	63.7
09:00	0.002164	3.7	3.5	.00	29.53	1000.0	361.3	.52	68.1
10:00	0.001886	3.2	3.0	.00	29.55	1000.6	502.4	.72	72.9
11:00	0.001485	2.6	2.4	.00	29.55	1000.6	589.2	.84	88.2
12:00	0.001481	2.5	2.4	.00	29.53	1000.0	607.0	.87	86.4
13:00	0.001448	2.4	2.3	.00	29.50	999.2	519.9	.75	79.8
14:00	0.001653	2.8	2.6	.00	29.49	998.7	461.9	.66	87.5
15:00	0.001647	2.7	2.6	.00	29.49	998.5	330.6	.47	60.2
16:00	0.001535	2.6	2.5	.00	29.49	998.6	150.1	.22	66.3
17:00	0.0015	3.1	2.4	.00	29.49	998.8	5.3	.01	357.9
18:00	0.00174	3.3	2.8	.00	29.49	998.8	-2.3	.00	38.8
19:00	0.002011	3.3	3.2	.00	29.49	998.8	-2.1	.00	73.3
20:00	0.002082	3.4	3.3	.00	29.50	999.1	-2.2	.00	76.7
21:00	0.002277	3.6	3.6	.00	29.51	999.3	-2.3	.00	62.7
22:00	0.002185	3.8	3.5	.00	29.52	999.6	-2.3	.00	68.4
23:00	0.002299	3.8	3.7	.00	29.51	999.4	-2.2	.00	54.2
Avg	0.002032	3.5	3.2	.00	29.48	998.4	154.6	.22	56.0
Max	0.002511	4.4	4.0	.00	29.55	1000.6	607.0	.87	357.9
Hr. of Max	06	01	06	23	11	11	12	12	17
Min	0.001448	2.4	2.3	.00	29.37	994.6	-3.3	.00	38.8
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/21/2014

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	300.8	297.2	288.8	295.6	30.2	15.8	9.5	2.1	5.2
01:00	266.1	268.8	261.5	270.5	12.6	10.0	8.2	2.6	4.8
02:00	257.6	258.0	255.2	260.1	11.0	7.7	6.4	4.6	7.4
03:00	284.1	279.1	281.8	281.1	28.5	32.4	37.6	2.6	4.3
04:00	41.9	46.4	47.8	42.9	49.2	53.0	14.0	.8	2.3
05:00	67.3	59.5	70.6	57.0	39.8	14.3	6.1	.2	1.4
06:00	63.1	64.8	42.7	61.9	19.1	6.2	4.4	.8	3.0
07:00	51.9	58.7	44.7	55.4	14.2	7.3	5.5	1.6	4.5
08:00	64.4	62.4	69.0	59.8	27.8	17.3	10.5	2.8	5.4
09:00	66.7	63.9	72.3	61.2	26.4	21.3	15.7	3.7	4.9
10:00	72.7	67.9	76.6	65.4	30.2	23.6	19.4	3.8	4.9
11:00	80.7	73.4	91.8	70.8	20.9	21.3	18.6	6.0	6.0
12:00	80.9	75.8	89.9	72.8	29.9	25.5	19.5	4.5	5.0
13:00	75.6	73.2	82.4	70.4	26.1	19.3	15.0	4.3	5.5
14:00	85.0	82.0	91.3	79.8	27.0	24.2	20.6	4.2	4.8
15:00	61.9	62.0	63.3	59.3	32.1	24.6	20.9	2.7	4.2
16:00	70.2	71.0	70.5	68.5	30.1	23.3	20.3	2.2	3.4
17:00	37.2	41.0	359.6	36.9	29.1	14.1	6.0	1.3	2.8
18:00	54.0	37.4	47.7	33.0	54.2	13.9	5.9	.9	2.5
19:00	64.2	41.2	81.2	36.8	34.9	7.4	8.3	.5	3.7
20:00	43.7	67.4	81.3	64.7	36.2	8.4	5.7	.6	2.7
21:00	59.0	51.2	79.0	48.1	46.8	14.9	3.5	.3	1.7
22:00	69.7	54.4	179.4	52.3	63.4	15.5	6.9	.1	.5
23:00	45.2	62.9	69.1	60.1	60.2	13.5	5.1	.1	1.2
Avg	55.0	53.0	64.0	49.0	32.5	18.1	12.2	.0	.0
Max	300.8	297.2	359.6	295.6	63.4	53.0	37.6	6.0	7.4
Hr. of Max	00	00	17	00	22	04	03	11	02
Min	37.2	37.4	42.7	33.0	11.0	6.2	3.5	.1	.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/21/2014

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	8.6	2.3	5.4	8.7	2.7	8.5	-1.2	-1.1	-.17
01:00	6.8	2.6	4.9	6.9	3.2	7.3	-2.2	.0	-.14
02:00	9.4	4.7	7.4	9.5	5.4	10.1	-1.6	.0	-.20
03:00	6.5	3.8	5.8	7.7	4.1	8.1	-2.0	1.0	-.23
04:00	3.7	1.0	2.5	3.8	1.5	4.3	.7	1.8	-.01
05:00	3.6	.3	1.5	3.6	.8	4.1	3.5	.9	.04
06:00	5.5	.8	3.0	5.5	1.2	6.0	.7	-.3	.01
07:00	6.3	1.6	4.5	6.3	2.0	6.7	-2.4	-1.4	-.12
08:00	7.8	3.1	5.6	7.9	3.5	8.5	1.1	.4	-.07
09:00	6.4	4.1	5.2	6.5	5.0	7.2	2.0	1.2	.05
10:00	5.3	4.2	5.3	5.6	4.9	6.2	.6	-1.1	-.07
11:00	6.5	6.3	6.4	6.8	7.0	7.5	1.0	5.9	.08
12:00	5.5	5.0	5.5	5.9	5.8	6.6	1.0	.6	.05
13:00	6.6	4.8	5.9	6.9	5.6	7.5	.9	.6	.06
14:00	5.4	4.7	5.4	5.9	5.6	6.6	-.2	3.2	-.08
15:00	5.0	3.2	4.6	5.4	3.9	6.0	.4	1.9	-.09
16:00	4.0	2.4	3.7	4.2	3.1	4.8	.3	4.6	-.03
17:00	3.8	1.4	2.9	3.9	1.7	4.3	-1.1	.4	-.04
18:00	4.0	1.0	2.6	4.1	1.4	4.6	2.9	1.2	.05
19:00	4.7	.6	3.7	5.1	1.1	5.5	4.5	1.5	.09
20:00	3.7	.7	2.9	3.8	1.2	4.3	2.8	.7	.07
21:00	4.1	.3	1.8	4.2	.8	4.6	2.1	.2	.04
22:00	1.5	.1	.6	1.5	.5	2.0	2.1	-.6	.02
23:00	2.6	.1	1.3	2.6	.6	3.1	2.5	-.7	.03
Avg	.0	2.5	4.1	5.5	3.0	6.0	.8	.9	-.03
Max	9.4	6.3	7.4	9.5	7.0	10.1	4.5	5.9	.09
Hr. of Max	02	11	02	02	11	02	19	11	19
Min	1.5	.1	.6	1.5	.5	2.0	-2.4	-1.4	-.23
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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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	-.27	8.7	11.9	15.6	8.9	15.8	17.5	7.4
01:00	-.04	11.9	14.7	12.8	7.9	13.4	7.9	6.2
02:00	-.03	8.7	11.4	17.2	10.0	14.7	7.6	5.0
03:00	.06	8.7	12.6	19.2	9.6	12.9	10.3	8.5
04:00	.07	6.4	10.3	10.8	4.5	8.3	10.7	8.5
05:00	.07	4.8	7.6	6.6	3.1	6.5	9.2	2.7
06:00	-.05	2.5	5.7	9.4	2.9	9.7	8.0	2.8
07:00	-.17	4.6	9.6	14.0	5.0	11.2	10.6	3.9
08:00	-.04	9.8	12.4	13.5	12.7	14.5	21.6	9.2
09:00	.06	10.5	11.7	11.7	11.6	12.1	19.7	14.3
10:00	-.24	8.9	12.4	12.1	10.5	11.5	21.0	17.7
11:00	.62	13.5	13.5	14.2	14.2	14.8	13.4	17.1
12:00	.03	19.5	20.2	21.1	11.9	12.3	18.0	18.4
13:00	-.03	10.8	13.3	14.0	11.3	15.4	18.2	15.3
14:00	.29	17.2	19.5	20.2	13.1	12.8	18.3	18.4
15:00	.09	8.2	9.6	11.2	9.2	12.3	22.6	18.2
16:00	.35	8.0	9.6	11.2	8.0	9.4	17.9	14.2
17:00	.01	4.1	6.0	7.1	4.5	7.1	11.5	4.8
18:00	.09	3.4	5.0	7.8	3.8	7.8	11.0	4.0
19:00	.14	2.5	6.0	11.7	3.0	8.5	8.9	3.8
20:00	.05	2.5	5.3	12.6	2.9	7.3	7.6	3.2
21:00	.02	1.8	3.4	8.0	2.7	6.7	9.5	2.2
22:00	-.02	1.1	1.8	7.1	1.9	4.1	8.4	6.2
23:00	-.03	1.1	2.3	4.1	1.5	4.6	8.4	2.5
Avg	.04	7.5	9.8	12.2	7.3	10.6	13.2	8.9
Max	.62	19.5	20.2	21.1	14.2	15.8	22.6	18.4
Hr. of Max	11	12	12	12	11	00	15	14
Min	-.27	1.1	1.8	4.1	1.5	4.1	7.6	2.2
Count	24	24	24	24	24	24	24	24
Total								