Date Printed: 11/20/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

11/19/2014

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	-8.7	-6.4	-5.7	-5.1	2.27	2.97	3.58	.70	1.31
01:00	-9.0	-7.2	-6.3	-5.6	1.85	2.76	3.44	.91	1.59
02:00	-9.2	-7.7	-6.8	-5.9	1.49	2.41	3.28	.92	1.78
03:00	-9.6	-7.8	-7.1	-6.3	1.72	2.47	3.30	.75	1.58
04:00	-9.7	-7.9	-7.0	-6.5	1.84	2.77	3.28	.93	1.44
05:00	-9.7	-8.0	-7.3	-6.7	1.67	2.43	3.01	.76	1.34
06:00	-9.7	-8.1	-7.7	-6.9	1.55	2.04	2.82	.48	1.27
07:00	-9.5	-8.2	-7.7	-7.2	1.35	1.80	2.38	.45	1.03
08:00	-6.6	-6.7	-6.5	-6.0	-.10	.15	.59	.26	.69
09:00	-3.2	-3.7	-3.9	-4.0	-.56	-.74	-.77	-.19	-.22
10:00	-.5	-1.3	-1.5	-1.6	-.76	-1.00	-1.11	-.24	-.35
11:00	2.2	1.3	1.0	.9	-.89	-1.18	-1.33	-.28	-.43
12:00	4.7	3.6	3.2	3.1	-1.04	-1.41	-1.60	-.37	-.56
13:00	6.5	5.6	5.2	5.0	-.90	-1.25	-1.45	-.35	-.55
14:00	7.2	6.6	6.2	6.1	-.65	-.98	-1.15	-.34	-.50
15:00	7.1	6.8	6.5	6.3	-.36	-.64	-.80	-.28	-.44
16:00	6.9	6.9	6.7	6.5	-.01	-.21	-.32	-.19	-.31
17:00	5.8	6.1	6.0	6.0	.31	.22	.20	-.09	-.10
18:00	4.9	5.3	5.3	5.4	.41	.41	.49	-.01	.07
19:00	4.2	4.9	5.0	5.2	.64	.76	.94	.11	.29
20:00	3.5	4.6	4.8	5.0	1.11	1.25	1.45	.14	.34
21:00	2.5	4.4	4.6	4.8	1.90	2.12	2.32	.22	.42
22:00	3.0	4.3	4.4	4.6	1.32	1.47	1.65	.15	.33
23:00	3.3	4.3	4.4	4.6	1.04	1.13	1.31	.09	.27
Avg	-1.0	-.3	-.2	.1	.63	.82	1.06	.19	.43
Max	7.2	6.9	6.7	6.5	2.27	2.97	3.58	.93	1.78
Hr. of Max	14	16	16	16	00	00	00	04	02
Min	-9.7	-8.2	-7.7	-7.2	-1.04	-1.41	-1.60	-.37	-.56
Count	24	24	24	24	24	24	24	24	24
Total									

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

Daily Summary Report

Site: Tower "D" (1000 Area)

11/19/2014

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	-10.9	-11.7	-10.1	4.6	84.5	66.5	2.2	2.0	0.00167
01:00	-11.0	-11.5	-10.4	4.5	85.6	71.5	2.2	2.1	0.001646
02:00	-11.1	-11.2	-10.4	4.4	86.7	76.7	2.2	2.1	0.001642
03:00	-11.4	-11.1	-10.8	4.4	87.0	77.5	2.1	2.1	0.001604
04:00	-11.5	-11.5	-10.9	4.3	86.8	75.7	2.1	2.1	0.001578
05:00	-11.6	-11.7	-10.9	4.2	86.3	75.0	2.1	2.0	0.001575
06:00	-11.6	-11.4	-11.0	4.1	86.1	77.8	2.1	2.1	0.00157
07:00	-11.5	-11.5	-10.8	4.0	86.1	77.0	2.1	2.1	0.001589
08:00	-9.8	-11.5		3.9	78.4	69.2	2.4	2.1	0.001814
09:00	-9.7	-11.1	-7.5	3.9	61.2	57.3	2.4	2.1	0.001837
10:00	-9.7	-10.8	-6.7	3.8	50.2	48.5	2.3	2.1	0.001842
11:00	-9.3	-10.3	-5.4	3.8	42.8	42.1	2.4	2.2	0.001919
12:00	-8.6	-9.6	-4.2	3.8	37.9	37.8	2.5	2.3	0.002025
13:00	-7.9	-8.6	-3.1	3.8	35.5	35.8	2.7	2.5	0.002155
14:00	-7.9	-8.5	-2.9	4.0	33.7	33.8	2.6	2.5	0.002151
15:00	-7.6	-8.0	-2.7	4.2	34.7	34.4	2.7	2.6	0.002209
16:00	-7.3	-7.6	-2.6	4.5	36.2	35.2	2.8	2.7	0.002258
17:00	-7.0	-7.3	-2.7	4.6	39.8	38.0	2.8	2.8	0.002307
18:00	-6.9	-7.2	-2.9	4.8	42.7	40.4	2.9	2.8	0.002325
19:00	-6.8	-7.1	-3.1	4.8	45.0	42.0	2.9	2.8	0.002339
20:00	-6.4	-6.8	-3.1	4.8	48.8	43.6	3.0	2.9	0.00241
21:00	-5.7	-6.7	-2.9	4.8	55.6	45.0	3.2	2.9	0.002541
22:00	-5.9	-6.6	-3.0	4.8	52.5	45.4	3.1	2.9	0.002487
23:00	-5.9	-6.6	-2.8	4.8	51.7	45.3	3.1	2.9	0.002502
Avg	-8.9	-9.4	-6.1	4.3	59.8	53.8	2.5	2.4	0.002
Max	-5.7	-6.6	-2.6	4.8	87.0	77.8	3.2	2.9	0.002541
Hr. of Max	21	23	16	23	03	06	21	23	21
Min	-11.6	-11.7	-11.0	3.8	33.7	33.8	2.1	2.0	0.00157
Count	24	24	23	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/19/2014

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	0.001568	2.7	2.5	.00	29.43	996.7	-2.6	.00	251.9
01:00	0.001589	2.6	2.5	.00	29.44	996.9	-2.2	.00	238.5
02:00	0.001632	2.6	2.6	.00	29.44	997.0	-2.6	.00	268.0
03:00	0.001634	2.6	2.6	.00	29.44	997.0	-2.4	.00	12.9
04:00	0.00159	2.5	2.5	.00	29.45	997.3	-2.2	.00	246.0
05:00	0.00156	2.5	2.5	.00	29.45	997.3	-2.5	.00	15.0
06:00	0.001603	2.5	2.6	.00	29.45	997.5	-2.4	.00	278.7
07:00	0.001581	2.5	2.5	.00	29.45	997.4	28.5	.04	268.3
08:00	0.001587	2.9	2.5	.00	29.45	997.3	247.7	.36	198.5
09:00	0.001651	2.9	2.6	.00	29.44	996.9	444.4	.64	217.3
10:00	0.001685	2.9	2.7	.00	29.42	996.4	479.6	.69	220.7
11:00	0.001768	3.1	2.8	.00	29.39	995.2	520.9	.75	229.6
12:00	0.001874	3.2	3.0	.00	29.34	993.5	619.6	.89	212.8
13:00	0.00204	3.4	3.2	.00	29.30	992.1	525.1	.75	216.1
14:00	0.00206	3.4	3.3	.00	29.27	991.1	425.8	.61	214.3
15:00	0.002137	3.5	3.4	.00	29.24	990.4	303.8	.44	200.1
16:00	0.002199	3.6	3.5	.00	29.22	989.7	139.0	.20	207.7
17:00	0.002253	3.7	3.6	.00	29.22	989.7	4.0	.01	215.5
18:00	0.002265	3.7	3.6	.00	29.24	990.1	-2.0	.00	223.8
19:00	0.002285	3.7	3.6	.00	29.25	990.5	-1.9	.00	229.7
20:00	0.002329	3.8	3.7	.00	29.25	990.6	-2.3	.00	241.3
21:00	0.002356	4.0	3.7	.00	29.26	991.0	-2.2	.00	241.4
22:00	0.002362	3.9	3.7	.00	29.27	991.4	-1.9	.00	240.7
23:00	0.002362	4.0	3.8	.00	29.28	991.5	-2.3	.00	236.5
Avg	0.001915	3.2	3.0	.00	29.35	993.9	154.5	.22	235.0
Max	0.002362	4.0	3.8	.00	29.45	997.5	619.6	.89	278.7
Hr. of Max	23	23	23	23	08	06	12	12	06
Min	0.00156	2.5	2.5	.00	29.22	989.7	-2.6	.00	12.9
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/19/2014

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	242.3	230.9	255.2	233.6	13.1	6.5	3.8	1.4	2.6
01:00	246.3	232.2	242.3	234.8	10.2	4.5	3.4	1.6	3.4
02:00	234.2	232.9	267.4	235.3	25.5	13.0	5.7	.4	1.9
03:00	270.3	202.4	20.1	203.8	56.0	23.8	11.0	.1	.7
04:00	258.1	232.4	253.1	233.9	40.9	15.6	8.5	.2	.8
05:00	274.0	220.2	21.7	222.5	43.0	41.1	11.2	.2	.3
06:00	150.5	253.4	280.5	253.8	30.2	28.1	10.0	.0	.1
07:00	17.1	220.0	271.9	220.4	52.1	21.9	15.0	.4	.4
08:00	228.0	242.4	202.0	243.4	19.3	14.4	10.6	.9	1.2
09:00	230.7	233.3	224.4	236.0	30.7	25.0	17.3	2.3	2.7
10:00	228.9	230.2	229.2	232.4	22.2	19.1	19.4	4.3	5.1
11:00	233.6	231.8	235.6	233.2	32.7	26.7	21.7	3.9	5.0
12:00	221.2	219.1	221.1	221.8	23.9	19.2	15.8	7.1	9.1
13:00	222.6	220.2	223.7	222.8	25.2	20.0	17.1	7.7	10.0
14:00	220.2	217.9	221.9	220.7	22.5	17.7	12.4	8.7	11.7
15:00	209.1	208.0	207.8	210.8	22.5	19.3	15.7	8.3	10.9
16:00	215.3	212.8	215.6	215.7	19.4	15.8	12.8	7.7	10.4
17:00	218.3	214.0	222.0	217.0	19.3	15.0	11.7	7.4	10.6
18:00	225.9	219.9	230.0	222.9	17.6	12.4	8.7	6.0	9.3
19:00	228.6	221.4	235.7	224.4	17.2	10.9	7.4	4.6	8.1
20:00	238.8	229.5	247.9	232.5	14.6	9.6	7.3	4.2	7.4
21:00	245.3	238.4	248.3	240.8	12.2	8.7	6.7	4.7	8.0
22:00	243.2	236.0	247.2	238.7	14.7	9.3	6.9	4.2	7.6
23:00	240.0	231.7	243.8	234.5	13.8	9.3	7.4	4.9	7.8
Avg	234.0	226.0	241.0	228.0	25.0	17.0	11.1	.0	.0
Max	274.0	253.4	280.5	253.8	56.0	41.1	21.7	8.7	11.7
Hr. of Max	05	06	06	06	03	05	11	14	14
Min	17.1	202.4	20.1	203.8	10.2	4.5	3.4	.0	.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/19/2014

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	4.1	1.5	2.7	4.1	2.1	4.8	-.3	1.4	-.01
01:00	5.3	1.7	3.5	5.3	2.3	5.9	.4	2.3	.00
02:00	3.7	.5	2.0	3.8	1.2	4.4	2.8	1.0	.04
03:00	2.0	.1	.8	2.0	.4	2.6	1.5	-.3	.02
04:00	2.8	.2	.9	2.8	.8	3.4	-.1	1.0	-.01
05:00	2.0	.3	.7	2.1	.9	2.7	2.7	.8	.03
06:00	1.6	.0	.1	1.7	.6	2.3	.8	1.3	.01
07:00	1.1	.5	.5	1.2	1.0	1.9	2.0	.7	.03
08:00	1.7	.9	1.3	1.7	1.5	2.3	2.7	.2	.04
09:00	3.0	2.7	3.0	3.2	3.3	3.9	-.4	-4.0	-.10
10:00	5.4	4.7	5.4	5.6	5.3	6.4	-2.5	-2.2	-.34
11:00	5.6	4.6	5.5	5.9	5.3	6.8	2.4	1.3	.02
12:00	10.4	7.7	9.6	10.8	8.5	11.6	.5	-2.2	-.13
13:00	11.6	8.4	10.6	12.0	9.2	13.0	1.9	1.3	-.03
14:00	14.1	9.2	12.2	14.4	10.1	15.4	.1	-.4	-.23
15:00	13.4	8.9	11.5	13.9	9.8	14.8	.9	.2	-.10
16:00	12.9	8.1	10.7	13.2	8.9	14.0	.7	.2	-.08
17:00	13.5	7.8	10.9	13.7	8.5	14.6	.2	.4	-.18
18:00	12.1	6.2	9.5	12.2	6.9	13.0	.1	-.4	-.17
19:00	11.0	4.8	8.3	11.1	5.6	11.8	-1.0	.1	-.23
20:00	9.8	4.4	7.6	9.9	5.1	10.7	-2.3	.1	-.27
21:00	10.5	4.9	8.1	10.5	5.4	11.3	-2.0	.5	-.27
22:00	10.0	4.3	7.7	10.1	5.0	10.7	-2.0	.6	-.27
23:00	10.1	5.0	7.9	10.2	5.7	10.9	-2.5	-.2	-.33
Avg	.0	4.1	5.9	7.6	4.7	8.3	.3	.2	-.11
Max	14.1	9.2	12.2	14.4	10.1	15.4	2.8	2.3	.04
Hr. of Max	14	14	14	14	14	14	02	01	08
Min	1.1	.0	.1	1.2	.4	1.9	-2.5	-4.0	-.34
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/19/2014

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	.14	3.0	5.3	6.2	3.5	6.3	4.0	2.3
01:00	.24	3.4	7.1	9.6	4.0	7.3	4.3	1.5
02:00	.08	4.6	6.4	8.7	3.5	6.4	8.2	2.6
03:00	-.01	.9	3.7	6.0	1.4	4.1	5.9	3.4
04:00	.06	1.6	3.0	4.4	2.1	4.9	6.4	2.9
05:00	.03	1.8	5.0	7.3	2.4	4.3	8.2	3.3
06:00	.06	.9	.9	4.4	1.4	5.0	6.8	4.1
07:00	.03	1.6	2.1	3.2	2.4	3.8	6.2	2.9
08:00	.00	3.7	3.7	4.8			12.2	5.9
09:00	-.31	6.9	6.9	7.3	7.4	7.9	19.1	16.9
10:00	-.37	10.1	11.4	12.6	12.6	13.3	15.6	16.0
11:00	-.07	16.3	15.3	14.9	16.2	16.4	21.0	18.5
12:00	-.59	16.9	18.3	19.0	17.9	20.4	15.0	10.7
13:00	.05	19.5	22.9	21.1	20.8	24.1	16.3	12.0
14:00	-.35	22.0	24.5	24.5	23.0	27.6	15.2	10.2
15:00	-.18	29.3	28.4	42.8	20.5	26.0	15.5	11.1
16:00	-.09	22.0	31.8	41.2	19.9	25.8	14.2	9.3
17:00	-.06	22.4	22.9	24.7	22.4	26.5	14.0	8.8
18:00	-.16	18.3	18.3	21.1	17.5	22.3	13.3	6.8
19:00	-.06	11.7	16.3	24.0	12.6	21.1	13.0	6.1
20:00	-.02	13.7	12.8	17.4	12.1	18.7	9.6	5.1
21:00	.08	10.8	14.2	19.2	11.7	17.8	9.0	4.7
22:00	.07	10.3	15.1	26.3	12.0	17.0	10.0	5.5
23:00	-.07	16.0	13.7	21.3	14.1	21.0	9.4	5.4
Avg	-.06	11.2	12.9	16.3	11.4	15.1	11.4	7.3
Max	.24	29.3	31.8	42.8	23.0	27.6	21.0	18.5
Hr. of Max	01	15	16	15	14	14	11	11
Min	-.59	.9	.9	3.2	1.4	3.8	4.0	1.5
Count	24	24	24	24	23	23	24	24
Total								