Date Printed: 09/14/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/13/2014

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	21.2	20.9	20.8	20.7	-.21	-.40	-.45	-.20	-.24
01:00	20.8	20.6	20.4	20.3	-.23	-.43	-.48	-.20	-.25
02:00	20.5	20.3	20.1	20.0	-.19	-.38	-.43	-.18	-.24
03:00	20.1	20.0	19.8	19.7	-.17	-.35	-.41	-.19	-.24
04:00	19.8	19.7	19.6	19.6	-.08	-.18	-.21	-.10	-.13
05:00	19.7	19.6	19.5	19.5	-.06	-.19	-.20	-.13	-.14
06:00	19.6	19.5	19.5	19.5	-.07	-.14	-.09	-.07	-.02
07:00	19.7	19.6	19.4	19.4	-.13	-.26	-.26	-.13	-.13
08:00	19.9	19.7	19.5	19.5	-.19	-.37	-.42	-.19	-.23
09:00	20.1	19.9	19.7	19.7	-.21	-.42	-.48	-.21	-.27
10:00	20.2	20.0	19.7	19.6	-.23	-.46	-.54	-.23	-.31
11:00	20.5	20.1	19.8	19.7	-.33	-.63	-.78	-.30	-.46
12:00	21.4	20.9	20.5	20.3	-.55	-.93	-1.14	-.38	-.59
13:00	22.1	21.5	21.2	21.0	-.59	-.92	-1.13	-.33	-.54
14:00	21.7	21.3	20.9	20.7	-.49	-.85	-1.04	-.35	-.55
15:00	21.5	21.0	20.7	20.5	-.50	-.85	-1.02	-.34	-.51
16:00	21.1	20.5	20.2	20.0	-.58	-.91	-1.05	-.33	-.46
17:00	20.5	20.1	19.8	19.7	-.39	-.66	-.77	-.28	-.38
18:00	19.5	19.3	19.0	19.0	-.24	-.46	-.54	-.22	-.30
19:00	18.8	18.7	18.6	18.5	-.14	-.29	-.32	-.15	-.18
20:00	18.3	18.2	18.1	18.0	-.08	-.23	-.25	-.15	-.17
21:00	18.0	17.9	17.7	17.7	-.05	-.22	-.25	-.16	-.20
22:00	17.6	17.5	17.3	17.3	-.06	-.22	-.26	-.17	-.21
23:00	17.5	17.5	17.3	17.3	-.02	-.17	-.18	-.14	-.16
Avg	20.0	19.8	19.5	19.5	-.24	-.46	-.53	-.21	-.29
Max	22.1	21.5	21.2	21.0	-.02	-.14	-.09	-.07	-.02
Hr. of Max	13	13	13	13	23	06	06	06	06
Min	17.5	17.5	17.3	17.3	-.59	-.93	-1.14	-.38	-.59
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/13/2014

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	18.7	18.8	19.5	25.8	88.0	89.6	15.9	16.0	0.013953
01:00	18.3	18.4	19.1	25.7	87.6	89.4	15.6	15.7	0.013595
02:00	18.1	18.1	18.9	25.5	88.0	89.5	15.3	15.4	0.013378
03:00	17.7	17.7	18.5	25.3	87.5	88.9	15.0	15.1	0.013029
04:00	17.6	17.6	18.3	25.2	89.0	89.6	14.9	15.0	0.012997
05:00	17.8	17.7	18.4	25.1	90.5	90.5	15.1	15.0	0.013106
06:00	17.7	17.6	18.3	24.9	90.4	90.7	15.0	15.0	0.013021
07:00	17.5	17.4	18.2	24.8	89.0	88.9	14.8	14.7	0.012863
08:00	17.2	17.2	18.1	24.6	86.3	87.1	14.6	14.5	0.012641
09:00	16.7	16.7	17.9	24.5	82.4	83.2	14.1	14.1	0.012242
10:00	15.8	15.7	17.2	24.5	77.4	77.9	13.3	13.2	0.011509
11:00	15.1	14.9	16.9	24.4	72.5	73.3	12.7	12.6	0.010982
12:00	14.8	14.6	17.0	24.4	67.5	68.9	12.5	12.3	0.010835
13:00	14.8	14.5	17.2	24.4	64.4	65.7	12.4	12.2	0.010782
14:00	14.6	14.4	17.0	24.6	65.1	66.2	12.3	12.1	0.01067
15:00	14.5	14.4	16.8	24.7	65.6	67.1	12.2	12.1	0.010603
16:00	14.3	14.2	16.6	24.8	66.6	68.6	12.1	12.0	0.010469
17:00	13.9	13.9	16.1	24.8	67.3	68.7	11.8	11.8	0.010174
18:00	13.5	13.5	15.5	24.8	69.3	70.4	11.5	11.5	0.009886
19:00	13.4	13.3	15.2	24.7	71.7	72.2	11.4	11.4	0.009811
20:00	13.0	12.9	14.7	24.6	72.3	72.5	11.2	11.1	0.009557
21:00	12.9	12.9	14.6	24.3	73.8	74.0	11.2	11.2	0.009537
22:00	13.3	13.3	14.7	24.1	77.3	77.6	11.4	11.4	0.009736
23:00	13.4	13.4	14.8	23.9	78.2	78.3	11.5	11.5	0.009813
Avg	15.6	15.5	17.1	24.8	77.8	78.7	13.2	13.2	0.011466
Max	18.7	18.8	19.5	25.8	90.5	90.7	15.9	16.0	0.013953
Hr. of Max	00	00	00	00	05	06	00	00	00
Min	12.9	12.9	14.6	23.9	64.4	65.7	11.2	11.1	0.009537
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/13/2014

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	0.014032	21.7	21.8	.00	29.16	987.4	-2.3	.00	307.7 -
01:00	0.013674	21.1	21.2	.00	29.15	987.2	-1.3	.00	265.8 -
02:00	0.013446	20.8	20.9	.00	29.15	987.2	-1.3	.00	240.6
03:00	0.013104	20.3	20.4	.00	29.15	987.2	-1.7	.00	242.5
04:00	0.013021	20.2	20.2	.00	29.15	987.2	-2.4	.00	253.7
05:00	0.013045	20.4	20.3	.00	29.17	987.7	-2.0	.00	209.9 -
06:00	0.013009	20.3	20.2	.00	29.18	988.1	-2.2	.00	255.4 -
07:00	0.012758	20.0	19.9	.00	29.20	988.9	1.8	.00	223.5
08:00	0.012607	19.7	19.7	.00	29.22	989.7	44.3	.06	255.8 -
09:00	0.012202	19.1	19.1	.00	29.24	990.4	61.3	.09	356.3 -
10:00	0.011426	18.0	17.9	.00	29.26	991.0	112.1	.16	42.0 -
11:00	0.010868	17.2	17.0	.00	29.28	991.5	248.7	.36	63.4
12:00	0.010688	17.0	16.8	.00	29.28	991.7	432.8	.62	55.8
13:00	0.010608	16.9	16.6	.00	29.28	991.7	417.6	.60	62.7
14:00	0.010527	16.7	16.5	.00	29.27	991.2	363.2	.52	63.8
15:00	0.010518	16.6	16.5	.00	29.25	990.6	297.7	.43	41.6
16:00	0.010399	16.4	16.3	.00	29.25	990.6	288.4	.41	16.4
17:00	0.010152	15.9	15.9	.00	29.26	991.0	181.0	.26	24.7
18:00	0.009882	15.5	15.5	.00	29.27	991.4	85.4	.12	35.0
19:00	0.009794	15.4	15.4	.00	29.28	991.6	14.1	.02	30.3
20:00	0.009537	15.0	15.0	.00	29.29	992.1	-1.9	.00	43.7
21:00	0.009535	15.0	15.0	.00	29.31	992.5	-.9	.00	59.6
22:00	0.009747	15.3	15.3	.00	29.31	992.6	-3.1	.00	60.3
23:00	0.009811	15.4	15.4	.00	29.30	992.4	-1.0	.00	53.1
Avg	0.011433	17.9	17.9	.00	29.24	990.1	105.3	.15	16.0
Max	0.014032	21.7	21.8	.00	29.31	992.6	432.8	.62	356.3
Hr. of Max	00	00	00	23	22	22	12	12	09
Min	0.009535	15.0	15.0	.00	29.15	987.2	-3.1	.00	16.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/13/2014

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	329.9 -	331.5	309.2	329.3	<	<	53.8	.7	1.2
01:00	286.7 -	297.7	273.3	295.0	<	<	20.7	1.2	2.0
02:00	258.7	270.1	250.4	268.3	24.9	22.7	20.4	1.7	2.7
03:00	263.9 -	272.3	248.4	271.9	36.5	22.4 -	19.9	1.5	2.4
04:00	258.1 -	261.7	260.7	261.7	33.1	16.4 -	18.6	.9	2.0
05:00	218.7	242.1	215.0	243.1	39.8 -	36.1	33.7	.4	1.0
06:00	250.1 -	264.2	256.3	262.1	45.6 -	41.0 -	28.4	.6	1.3
07:00	263.2 -	292.6	230.7	289.6	37.5	48.6 -	38.9	.4	.7
08:00	276.5 -	283.5	262.8	281.6	<	<	22.9	.9	1.4
09:00	9.6 -	10.7	350.8	5.6	<	<	24.1	1.0	2.4
10:00	40.2 -	41.9	53.5	37.4	35.6 -	21.0 -	17.2	1.8	3.6
11:00	56.7	57.0	70.3	52.5	35.6	21.1	16.4	3.4	6.4
12:00	46.1	49.5	66.2	45.3	39.8	33.1	25.9	2.8	4.2
13:00	57.2	54.5	70.0	49.4	40.1	33.5	25.9	2.6	3.8
14:00	57.6	56.6	72.5	52.1	32.5	23.2	15.6	4.6	7.3
15:00	39.0	38.8	49.0	33.6	46.5	25.2	17.4	3.4	7.2
16:00	21.8	21.8	20.4	16.8	39.3	21.1	19.0	4.3	8.2
17:00	31.7	31.5	36.1	25.8	38.9	20.3	16.0	4.0	7.7
18:00	33.6	33.0	43.8	27.7	37.2	18.6	13.8	3.9	8.1
19:00	32.1	32.2	37.5	26.6	36.6	16.7	13.9	2.9	6.6
20:00	41.0	39.8	51.0	34.3	37.8	17.0	11.5	2.6	6.6
21:00	51.2	52.3	68.3	47.7	29.0	17.3	11.5	3.5	7.3
22:00	55.8	55.8	68.0	51.3	27.7	16.3	11.0	3.3	6.4
23:00	47.5	47.7	64.1	42.8	31.6	15.9	10.3	2.6	6.4
Avg	9.0	7.0	24.0	2.0	36.3	24.4	21.1	.0	.0
Max	329.9	331.5	350.8	329.3	46.5	48.6	53.8	4.6	8.2
Hr. of Max	00	00	09	00	15	07	00	14	16
Min	9.6	10.7	20.4	5.6	24.9	15.9	10.3	.4	.7
Count	24	24	24	24	20	20	24	24	24
Total									

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OAK RIDGE NATIONAL LABORATORY
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Daily Summary Report

Site: Tower "D" (1000 Area)

9/13/2014

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	1.6	1.1	1.7	2.2	1.6	2.7	.6	4.9	-.06
01:00	3.1	1.5	2.3	3.3	2.1	3.5	-.5	-.2	-.08
02:00	3.3	1.9	3.0	3.5	2.6	3.9	-.7	-.7	-.13
03:00	3.4	1.7	2.7	3.6	2.5	4.0	.4	1.5	-.06
04:00	2.6	1.1	2.2	2.7	1.6	3.1	-.5	.6	-.05
05:00	1.3	.5	1.3	1.6	1.2	2.1	3.6	2.8	.09
06:00	2.2	.7	1.6	2.5	1.3	2.8	2.2	2.8	.01
07:00	1.7	.6	1.0	1.8	1.3	2.1	2.5	-1.0	.07
08:00	2.3	1.3	2.0	2.7	1.9	3.1	-3.4	1.0	-.12
09:00	2.9	1.4	2.8	3.5	2.0	4.0	2.6	1.4	-.06
10:00	4.8	2.2	3.9	5.0	2.7	5.5	.3	2.2	-.11
11:00	8.3	3.9	6.9	8.6	4.9	9.2	.7	2.4	-.12
12:00	5.6	3.5	4.8	6.1	4.4	6.7	1.0	7.6	-.01
13:00	5.1	3.3	4.4	5.5	4.1	6.2	2.4	6.4	.11
14:00	9.5	5.2	7.9	9.9	6.1	10.6	.5	1.5	-.16
15:00	9.1	4.3	7.7	9.4	5.0	10.1	1.7	.1	-.20
16:00	9.6	5.1	8.8	10.2	5.9	11.0	-.2	-.8	-.43
17:00	9.5	4.7	8.1	9.8	5.4	10.5	-1.7	.5	-.58
18:00	10.1	4.6	8.4	10.4	5.2	11.1	-1.7	.8	-.54
19:00	8.6	3.4	6.9	8.8	4.0	9.4	.1	-.7	-.32
20:00	8.6	3.0	6.8	8.8	3.9	9.4	.3	-.4	-.29
21:00	9.3	3.8	7.6	9.4	4.5	10.0	-.4	.6	-.29
22:00	8.6	3.6	6.6	8.8	4.1	9.3	-3.8	-.2	-.46
23:00	8.6	2.9	6.6	8.8	3.6	9.3	.0	.7	-.20
Avg	.0	2.7	4.8	6.1	3.4	6.7	.3	1.4	-.17
Max	10.1	5.2	8.8	10.4	6.1	11.1	3.6	7.6	.11
Hr. of Max	18	14	16	18	14	18	05	12	13
Min	1.3	.5	1.0	1.6	1.2	2.1	-3.8	-1.0	-.58
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/13/2014

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	.04	5.7	6.6	6.6	6.3	7.3	21.0	19.2
01:00	-.09	5.0	8.7	10.3	5.7	7.1	19.5	13.5
02:00	-.13	8.0	8.2	8.9	8.5	9.5	17.3	14.5
03:00	-.04	8.5	8.5	10.3	8.1	9.8	19.8	15.4
04:00	.01	4.1	5.7	7.6	5.0	8.0	14.8	9.8
05:00	.05	3.9	6.2	8.0	5.2	8.0	14.9	18.1
06:00	.06	3.4	7.6	9.4	5.2	10.2	16.6	14.1
07:00	-.02	2.1	3.9	8.0	2.9	5.6	17.3	16.6
08:00	.04	6.0	6.2	8.0	5.5	8.0	18.7	15.9
09:00	-.08	6.9	8.7	12.4	7.9	9.5	25.8	17.2
10:00	.06	8.2	10.3	11.4	11.5	12.5	24.7	13.8
11:00	.12	12.4	15.8	15.8	14.3	16.3	21.6	13.3
12:00	.65	9.4	14.4	20.4	12.1	15.9	23.2	19.1
13:00	.48	10.5	11.7	12.6	11.6	13.7	25.7	20.9
14:00	.05	16.3	16.9	17.9	16.2	17.9	22.3	11.2
15:00	-.24	13.1	17.2	27.7	15.4	18.7	25.5	13.6
16:00	-.30	14.2	19.0	18.5	19.5	18.8	22.9	11.0
17:00	-.20	15.3	19.0	19.5	19.3	20.4	23.6	12.0
18:00	-.07	16.7	18.5	19.5	17.3	21.6	24.0	11.8
19:00	-.25	11.4	15.6	18.1	12.8	19.6	24.2	9.8
20:00	-.18	13.1	18.1	17.6	12.3	19.0	24.2	9.3
21:00	-.06	11.4	14.9	16.7	15.3	17.4	22.7	10.4
22:00	-.12	11.4	13.7	17.9	11.4	15.8	20.6	8.8
23:00	.02	9.8	14.7	18.8	10.6	15.8	22.7	8.1
Avg	-.01	9.5	12.1	14.2	10.8	13.6	21.4	13.6
Max	.65	16.7	19.0	27.7	19.5	21.6	25.8	20.9
Hr. of Max	12	18	17	15	16	18	09	13
Min	-.30	2.1	3.9	6.6	2.9	5.6	14.8	8.1
Count	24	24	24	24	24	24	24	24
Total								