Date Printed: 09/17/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/16/2014

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	18.6	19.5	19.7	20.0	.89	1.11	1.34	.22	.44
01:00	18.9	19.4	19.4	19.7	.44	.51	.75	.07	.31
02:00	19.3	19.4	19.5	19.8	.02	.13	.41	.11	.39
03:00	19.6	19.5	19.5	19.7	-.07	-.08	.06	-.01	.13
04:00	19.7	19.6	19.6	19.8	-.07	-.11	.09	-.03	.16
05:00	19.9	19.8	19.9	20.1	-.07	.06	.26	.14	.33
06:00	20.1	20.0	20.2	20.4	-.05	.12	.34	.17	.39
07:00	20.1	20.1	20.2	20.5	.01	.14	.35	.12	.34
08:00	20.6	20.5	20.4	20.6	-.11	-.20	.00	-.09	.11
09:00	21.6	21.3	21.1	21.0	-.29	-.53	-.59	-.24	-.30
10:00	22.8	22.2	21.8	21.8	-.59	-.92	-.99	-.33	-.40
11:00	23.7	23.0	22.6	22.6	-.77	-1.10	-1.14	-.32	-.37
12:00	23.9	23.3	23.0	22.8	-.66	-.95	-1.06	-.29	-.40
13:00	24.6	24.0	23.7	23.6	-.63	-.94	-1.04	-.31	-.41
14:00	25.3	24.5	24.1	24.0	-.82	-1.16	-1.30	-.34	-.48
15:00	25.3	24.5	24.1	24.0	-.88	-1.24	-1.37	-.36	-.49
16:00	24.9	24.0	23.7	23.6	-.88	-1.19	-1.34	-.31	-.46
17:00	24.3	23.6	23.3	23.2	-.68	-.97	-1.10	-.29	-.42
18:00	23.0	22.5	22.3	22.3	-.43	-.65	-.71	-.22	-.28
19:00	21.3	21.2	21.1	21.1	-.08	-.18	-.18	-.10	-.10
20:00	19.7	19.8	19.8	19.9	.15	.14	.22	-.01	.07
21:00	18.7	19.0	18.9	19.0	.27	.20	.27	-.06	.00
22:00	17.4	18.0	18.2	18.4	.60	.80	.95	.20	.35
23:00	16.5	17.1	17.5	17.8	.64	1.02	1.29	.38	.64
Avg	21.2	21.1	21.0	21.1	-.17	-.25	-.19	-.08	-.02
Max	25.3	24.5	24.1	24.0	.89	1.11	1.34	.38	.64
Hr. of Max	15	15	15	15	00	00	00	23	23
Min	16.5	17.1	17.5	17.8	-.88	-1.24	-1.37	-.36	-.49
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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9/16/2014

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	17.5	18.6	17.9	23.4	95.0	96.7	14.9	15.9	0.012851
01:00	17.9	18.5	18.2	23.3	95.9	97.2	15.3	15.9	0.013216
02:00	18.4	18.6	18.7	23.1	96.1	97.4	15.7	15.9	0.013606
03:00	18.6	18.7	18.9	23.0	95.8	97.4	15.9	16.1	0.013783
04:00	18.7	18.8	19.0	23.0	95.9	97.4	16.0	16.1	0.013881
05:00	18.7	19.0	19.1	22.9	95.3	97.3	16.0	16.3	0.013942
06:00	18.9	19.1	19.3	22.9	94.9	96.8	16.2	16.4	0.014083
07:00	18.9	19.2	19.3	22.9	95.1	96.8	16.2	16.5	0.01412
08:00	19.2	19.3	19.6	22.8	93.7	95.2	16.4	16.6	0.014326
09:00	18.0	17.8	19.2	22.8	81.9	82.1	15.3	15.0	0.013339
10:00	17.2	16.9	19.1	22.8	72.7	73.8	14.5	14.2	0.012686
11:00	17.1	16.8	19.3	23.0	67.9	70.0	14.3	14.1	0.012576
12:00	17.5	17.3	19.6	23.3	68.9	70.9	14.7	14.5	0.012917
13:00	17.6	17.4	19.9	23.7	66.8	68.5	14.8	14.6	0.013045
14:00	17.5	17.4	20.1	24.0	63.7	66.3	14.7	14.6	0.012991
15:00	17.5	17.5	20.1	24.3	63.3	66.8	14.6	14.6	0.012929
16:00	17.3	17.2	19.8	24.6	64.2	67.3	14.5	14.4	0.012804
17:00	17.0	17.1	19.4	24.9	65.4	68.4	14.2	14.3	0.012568
18:00	16.6	16.6	18.7	25.0	68.9	70.6	13.9	13.9	0.012228
19:00	16.7	16.7	18.2	25.1	76.5	77.2	14.0	14.1	0.012246
20:00	16.6	16.6	17.6	25.0	84.4	83.4	14.1	14.0	0.012219
21:00	16.2	16.3	17.1	24.8	87.3	86.4	13.7	13.8	0.011898
22:00	15.7	16.1	16.3	24.5	91.3	90.2	13.3	13.6	0.01149
23:00	15.1	15.8	15.6	24.2	93.3	93.8	12.9	13.4	0.011043
Avg	17.5	17.6	18.8	23.7	82.3	83.7	14.8	15.0	0.012949
Max	19.2	19.3	20.1	25.1	96.1	97.4	16.4	16.6	0.014326
Hr. of Max	08	08	15	19	02	04	08	08	08
Min	15.1	15.8	15.6	22.8	63.3	66.3	12.9	13.4	0.011043
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/16/2014

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	0.013829	20.0	21.5	.00	29.22	989.5	-3.3	.00	280.0
01:00	0.013761	20.6	21.4	.00	29.20	988.9	-2.7	.00	236.6
02:00	0.013805	21.2	21.5	.00	29.19	988.7	-1.1	.00	200.9
03:00	0.013956	21.4	21.7	.00	29.18	988.1	-3.1	.00	241.1
04:00	0.014041	21.6	21.8	.00	29.17	988.0	-3.4	.00	237.3
05:00	0.014168	21.7	22.0	.00	29.17	988.0	-3.4	.00	232.0
06:00	0.014317	21.9	22.2	.00	29.18	988.3	-2.7	.00	236.0
07:00	0.014374	21.9	22.3	.00	29.18	988.3	4.3	.01	232.7
08:00	0.014459	22.3	22.5	.00	29.19	988.4	63.4	.09	223.6
09:00	0.013129	20.8	20.4	.00	29.19	988.5	203.0	.29	233.7
10:00	0.012426	19.8	19.4	.00	29.19	988.5	426.4	.61	256.4
11:00	0.012364	19.6	19.3	.00	29.18	988.2	558.6	.80	228.4
12:00	0.012768	20.1	19.9	.00	29.17	987.8	411.0	.59	239.3
13:00	0.012886	20.3	20.0	.00	29.15	987.3	396.9	.57	222.4
14:00	0.012863	20.2	20.0	.00	29.14	986.9	513.3	.74	269.1
15:00	0.012944	20.1	20.1	.00	29.13	986.4	601.0	.86	291.0
16:00	0.012737	19.9	19.8	.00	29.12	986.0	455.3	.65	284.9
17:00	0.012617	19.5	19.6	.00	29.11	985.8	300.3	.43	319.4
18:00	0.01221	19.0	19.0	.00	29.11	985.8	108.0	.15	275.0
19:00	0.012303	19.0	19.1	.00	29.11	985.8	18.7	.03	260.4
20:00	0.012188	19.0	18.9	.00	29.11	985.9	-2.8	.00	288.5
21:00	0.011973	18.5	18.6	.00	29.12	986.2	-1.2	.00	270.9
22:00	0.011781	17.9	18.3	.00	29.12	986.3	-1.0	.00	251.5
23:00	0.011566	17.2	18.0	.00	29.13	986.4	-1.7	.00	254.0
Avg	0.013061	20.1	20.3	.00	29.16	987.4	168.1	.24	252.0
Max	0.014459	22.3	22.5	.00	29.22	989.5	601.0	.86	319.4
Hr. of Max	08	08	08	23	00	00	15	15	17
Min	0.011566	17.2	18.0	.00	29.11	985.8	-3.4	.00	200.9
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/16/2014

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	241.9	212.1	286.5	213.1	43.7	21.4	17.0	.8	1.4
01:00	243.9	237.2	248.2	238.2	15.9	10.4	8.6	1.4	2.5
02:00	252.0	279.7	215.8	278.3	42.9	45.2	21.9	.7	1.1
03:00	239.5	235.4	252.7	236.5	18.8	12.4	9.7	1.1	2.2
04:00	250.0	241.8	248.7	242.4	28.5	14.2	10.4	.9	2.0
05:00	243.8	255.6	243.5	255.4	24.9	23.6	12.1	.8	1.1
06:00	242.3	254.3	246.3	254.7	13.1	8.3	5.9	1.5	3.0
07:00	242.8	245.1	243.1	245.3	12.8	6.3	4.7	2.2	4.7
08:00	236.4	244.2	236.6	244.8	18.3	10.2	8.4	2.9	5.1
09:00	248.3	254.5	242.6	255.1	33.5	24.5	20.7	2.0	3.1
10:00	264.3	263.4	268.3	262.9	30.2	23.0	19.6	3.0	4.2
11:00	241.4	241.3	238.8	242.0	33.2	27.8	23.2	3.4	4.0
12:00	247.8	245.8	249.4	246.9	32.6	26.5	19.9	3.2	4.2
13:00	234.0	239.3	232.8	240.0	40.0	31.8	27.7	3.3	4.6
14:00	279.6	279.2	278.7	278.5	28.2	22.5	20.9	4.0	5.3
15:00	301.8	303.2	300.2	300.2	36.2	30.4	24.7	4.2	5.7
16:00	302.4	304.5	292.6	301.4	33.6	24.6	20.5	4.0	5.0
17:00	328.4	326.6	326.6	322.1	40.2	33.0	25.8	2.9	4.4
18:00	289.9	294.8	284.2	292.7	22.2	21.6	20.9	3.4	4.5
19:00	267.3	273.2	268.3	272.9	24.3	15.2	12.6	3.0	4.8
20:00	295.7	296.7	295.2	293.5	17.6	15.6	10.0	2.3	4.1
21:00	268.8	273.4	275.6	270.5	37.0	41.4	40.8	1.2	2.5
22:00	295.9	303.7	257.8	300.7	40.3	37.4	16.1	.8	2.0
23:00	225.4	269.2	262.6	266.9	46.7	43.7	44.4	1.2	1.8
Avg	260.0	265.0	261.0	264.0	29.8	23.8	18.6	.0	.0
Max	328.4	326.6	326.6	322.1	46.7	45.2	44.4	4.2	5.7
Hr. of Max	17	17	17	17	23	02	23	15	15
Min	225.4	212.1	215.8	213.1	12.8	6.3	4.7	.7	1.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/16/2014

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	1.5	.9	1.5	1.6	1.4	2.1	.9	.4	.01
01:00	3.3	1.5	2.6	3.4	2.0	3.8	.4	.8	-.01
02:00	2.2	.8	1.4	2.5	1.3	2.8	1.8	1.6	.03
03:00	2.7	1.2	2.3	2.8	1.7	3.2	-1.5	.2	-.06
04:00	2.7	1.0	2.1	2.8	1.6	3.2	-.5	-1.1	-.04
05:00	2.0	.9	1.2	2.1	1.5	2.4	.0	-.1	-.01
06:00	4.3	1.5	3.1	4.3	2.1	4.7	-1.2	.4	-.07
07:00	6.1	2.3	4.7	6.1	2.8	6.6	-2.2	1.1	-.16
08:00	6.5	3.0	5.2	6.6	3.4	7.1	-1.9	1.0	-.18
09:00	4.0	2.3	3.5	4.3	3.1	4.8	3.3	2.2	.03
10:00	4.8	3.4	4.6	5.2	3.9	5.8	-1.1	-2.2	-.29
11:00	4.4	4.0	4.6	4.9	4.7	5.5	-1.3	.5	-.22
12:00	5.0	3.7	4.7	5.4	4.3	6.0	-.7	.2	-.18
13:00	5.3	4.1	5.4	5.9	4.6	6.5	3.0	2.9	.05
14:00	6.3	4.4	5.7	6.7	5.0	7.1	-1.5	-1.6	-.36
15:00	6.6	4.9	6.5	7.3	5.5	7.8	-3.3	-2.3	-.63
16:00	6.2	4.6	5.6	6.6	5.1	7.1	-3.9	-2.8	-.60
17:00	5.6	3.8	5.1	6.2	4.4	6.8	-3.5	.1	-.55
18:00	5.5	3.6	4.8	5.8	4.1	6.1	-4.1	-.7	-.40
19:00	6.1	3.2	5.0	6.3	3.7	6.7	-1.1	-.5	-.19
20:00	6.2	2.4	4.2	6.3	2.7	6.3	-3.0	-1.1	-.23
21:00	3.8	1.6	2.8	4.2	2.1	4.4	.7	-1.8	-.04
22:00	3.8	1.2	2.4	4.1	1.7	4.2	1.3	2.9	.01
23:00	1.3	1.5	2.0	1.9	2.0	2.3	-1.3	2.3	-.06
Avg	.0	2.6	3.8	4.7	3.1	5.1	-.9	.1	-.17
Max	6.6	4.9	6.5	7.3	5.5	7.8	3.3	2.9	.05
Hr. of Max	15	15	15	15	15	15	09	22	13
Min	1.3	.8	1.2	1.6	1.3	2.1	-4.1	-2.8	-.63
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/16/2014

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	.03	3.2	4.6	4.6	3.6	5.2	6.0	6.8
01:00	.05	3.0	6.4	7.8	4.1	6.1	5.9	2.4
02:00	.04	4.1	4.6	7.8	4.7	6.9	13.9	13.5
03:00	.01	4.8	6.4	7.8	3.3	4.9	9.5	3.4
04:00	-.07	2.7	3.9	5.5	3.7	4.6	11.6	3.5
05:00	-.01	3.0	2.7	4.6	3.7	4.4	10.6	4.5
06:00	.04	3.7	5.3	7.1	4.2	8.1	7.6	3.7
07:00	.12	4.8	7.1	12.6	5.5	9.0	10.0	3.0
08:00	.12	6.0	8.5	12.1	7.5	12.3	13.9	5.5
09:00	.04	6.6	7.6	11.9	7.7	10.0	21.9	14.7
10:00	-.36	10.3	12.1	11.4	12.0	12.8	21.9	16.6
11:00	-.03	9.4	9.4	13.3	10.3	10.0	19.5	19.0
12:00	-.05	9.2	10.5	11.7	10.2	13.4	19.9	15.5
13:00	.07	10.3	11.4	12.6	11.4	14.3	18.8	17.3
14:00	-.44	11.0	14.9	13.3	12.8	13.3	21.6	15.9
15:00	-.71	17.9	17.2	20.2	14.4	14.8	22.3	18.2
16:00	-.78	16.3	13.3	13.7	14.2	15.4	21.0	18.3
17:00	-.37	10.5	14.4	16.9	11.2	17.7	24.3	19.1
18:00	-.35	11.7	10.8	12.4	12.1	12.8	16.5	15.9
19:00	-.15	10.8	12.6	13.3	10.9	12.8	14.3	8.3
20:00	-.17	8.9	10.5	11.2	10.0	12.2	13.1	6.9
21:00	-.16	6.6	9.8	16.5	6.0	9.6	17.0	15.0
22:00	.10	4.1	8.7	8.0	4.5	8.8	17.0	11.8
23:00	.05	3.9	5.5	5.0	5.1	5.7	9.9	13.8
Avg	-.12	7.6	9.1	10.9	8.0	10.2	15.3	11.4
Max	.12	17.9	17.2	20.2	14.4	17.7	24.3	19.1
Hr. of Max	08	15	15	15	15	17	17	17
Min	-.78	2.7	2.7	4.6	3.3	4.4	5.9	2.4
Count	24	24	24	24	24	24	24	24
Total								