Date Printed: 10/18/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

10/17/2014

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	8.1	9.5	9.8	10.1	1.32	1.64	1.94	.32	.62
01:00	7.4	8.6	9.2	9.5	1.21	1.80	2.05	.59	.84
02:00	7.0	7.9	8.5	9.0	.97	1.55	2.05	.58	1.08
03:00	6.8	7.2	7.7	8.4	.42	.89	1.54	.47	1.12
04:00	7.3	7.2	7.3	7.5	-.12	.05	.24	.17	.36
05:00	7.6	7.5	7.3	7.3	-.17	-.31	-.30	-.14	-.13
06:00	8.1	7.9	7.8	7.8	-.13	-.27	-.27	-.14	-.15
07:00	8.6	8.5	8.4	8.4	-.10	-.21	-.16	-.11	-.06
08:00	9.1	8.9	8.8	8.8	-.16	-.30	-.31	-.14	-.15
09:00	9.5	9.2	9.1	9.1	-.24	-.41	-.42	-.17	-.18
10:00	11.1	10.5	10.3	10.3	-.59	-.82	-.85	-.23	-.26
11:00	14.0	12.9	12.8	12.7	-1.09	-1.20	-1.30	-.12	-.22
12:00	16.6	15.6	15.2	15.1	-.99	-1.40	-1.47	-.40	-.47
13:00	19.3	18.2	17.8	17.8	-1.05	-1.44	-1.48	-.39	-.42
14:00	21.5	20.5	20.1	20.1	-1.01	-1.39	-1.46	-.37	-.44
15:00	23.2	22.4	22.0	21.9	-.79	-1.14	-1.27	-.35	-.47
16:00	23.6	23.0	22.7	22.6	-.56	-.88	-1.00	-.32	-.44
17:00	23.4	23.2	23.0	22.9	-.23	-.43	-.48	-.20	-.25
18:00	20.9	21.9	21.9	22.1	.94	.98	1.20	.04	.26
19:00	17.8	20.2	20.5	20.9	2.32	2.63	3.04	.31	.72
20:00	15.8	19.0	19.4	20.0	3.18	3.61	4.14	.44	.96
21:00	14.9	17.9	18.6	19.2	3.07	3.75	4.32	.68	1.25
22:00	14.3	17.2	17.9	18.4	2.93	3.58	4.13	.66	1.20
23:00	13.8	16.2	17.0	17.7	2.42	3.20	3.89	.78	1.47
Avg	13.7	14.2	14.3	14.5	.48	.56	.74	.08	.26
Max	23.6	23.2	23.0	22.9	3.18	3.75	4.32	.78	1.47
Hr. of Max	16	17	17	17	20	21	21	23	23
Min	6.8	7.2	7.3	7.3	-1.09	-1.44	-1.48	-.40	-.47
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/17/2014

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	7.2	8.6	7.5	16.8	94.9	95.8	7.8	8.6	0.006505
01:00	6.5	7.9	6.8	16.6	95.0	95.9	7.5	8.2	0.006202
02:00	6.1	7.2	6.4	16.3	95.2	96.0	7.3	7.8	0.00603
03:00	6.0	6.5	6.3	16.1	95.6	96.3	7.3	7.5	0.005989
04:00	6.5	6.5	6.8	15.9	96.0	96.5	7.5	7.5	0.006203
05:00	6.9	6.8	7.1	15.7	96.1	96.6	7.7	7.6	0.006362
06:00	7.3	7.3	7.6	15.6	96.2	96.7	7.9	7.9	0.00656
07:00	7.9	7.8	8.1	15.5	96.4	96.8	8.2	8.2	0.006804
08:00	8.4	8.3	8.6	15.4	96.4	96.9	8.5	8.4	0.007052
09:00	8.8	8.6	9.0	15.3	96.4	96.9	8.7	8.6	0.007234
10:00	9.7	9.5	10.2	15.4	92.3	94.5	9.2	9.1	0.007719
11:00	9.5	8.9	11.0	15.5	75.6	78.1	9.0	8.7	0.007629
12:00	9.8	9.3	12.0	15.7	65.1	67.1	9.1	8.8	0.007788
13:00	10.7	10.4	13.6	16.2	58.7	61.3	9.6	9.4	0.008335
14:00	11.8	11.5	15.0	16.8	54.8	57.5	10.2	10.1	0.008953
15:00	12.2	12.0	15.9	17.4	51.3	53.0	10.5	10.4	0.009254
16:00	12.3	12.1	16.1	17.8	50.3	51.2	10.6	10.4	0.009333
17:00	12.4	12.3	16.0	18.1	51.0	51.5	10.6	10.6	0.009343
18:00	13.5	13.0	16.0	18.2	64.5	58.3	11.5	11.1	0.010081
19:00	13.9	13.3	15.2	18.3	79.5	65.7	11.9	11.3	0.01031
20:00	13.7	13.3	14.4	18.3	88.6	71.0	11.8	11.4	0.010133
21:00	13.2	13.5	13.8	18.2	91.5	76.6	11.5	11.6	0.009829
22:00	12.9	13.5	13.3	18.0	92.8	80.5	11.2	11.6	0.009592
23:00	12.5	13.5	13.0	17.9	93.6	85.7	11.0	11.7	0.009375
Avg	10.0	10.1	11.2	16.7	82.0	79.9	9.4	9.4	0.008026
Max	13.9	13.5	16.1	18.3	96.4	96.9	11.9	11.7	0.01031
Hr. of Max	19	23	16	20	09	09	19	23	19
Min	6.0	6.5	6.3	15.3	50.3	51.2	7.3	7.5	0.005989
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/17/2014

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	0.007178	10.2	11.2	.00	29.04	983.3	-3.2	.00	311.2
01:00	0.006803	9.7	10.6	.00	29.04	983.4	-2.8	.00	252.7
02:00	0.006502	9.4	10.2	.00	29.04	983.5	-2.2	.00	246.6
03:00	0.006206	9.4	9.7	.00	29.04	983.5	-2.4	.00	233.9
04:00	0.006186	9.7	9.7	.00	29.04	983.3	-.7	.00	235.9
05:00	0.006324	10.0	9.9	.00	29.03	983.2	-2.4	.00	224.7
06:00	0.006535	10.3	10.2	.00	29.04	983.5	-2.6	.00	225.5
07:00	0.006792	10.6	10.6	.00	29.05	983.8	-.4	.00	214.8
08:00	0.007009	11.0	11.0	.01	29.05	983.9	36.4	.05	190.2
09:00	0.007151	11.3	11.2	.00	29.06	984.0	129.9	.19	204.5
10:00	0.007606	12.1	11.9	.00	29.05	983.9	438.5	.63	200.9
11:00	0.007342	11.9	11.5	.00	29.04	983.3	626.4	.90	222.7
12:00	0.007528	12.1	11.7	.00	29.01	982.4	714.6	1.02	225.5
13:00	0.008138	13.0	12.7	.00	28.98	981.4	741.9	1.06	228.6
14:00	0.008816	13.9	13.7	.00	28.95	980.3	707.2	1.01	223.3
15:00	0.009115	14.4	14.1	.00	28.93	979.6	604.7	.87	218.7
16:00	0.009192	14.5	14.3	.00	28.91	979.0	442.1	.63	213.5
17:00	0.009307	14.5	14.4	.00	28.90	978.9	245.1	.35	225.8
18:00	0.009718	15.6	15.1	.00	28.91	979.0	42.5	.06	237.2
19:00	0.009879	16.0	15.3	.00	28.92	979.5	-1.1	.00	238.9
20:00	0.009919	15.7	15.4	.00	28.93	979.9	-1.4	.00	239.3
21:00	0.01001	15.3	15.5	.00	28.95	980.5	-1.5	.00	241.5
22:00	0.010033	14.9	15.6	.00	28.97	980.9	-2.0	.00	230.4
23:00	0.010023	14.6	15.6	.00	28.97	981.1	-2.0	.00	241.2
Avg	0.008055	12.5	12.5	.00	28.99	981.9	196.0	.28	229.0
Max	0.010033	16.0	15.6	.01	29.06	984.0	741.9	1.06	311.2
Hr. of Max	22	19	23	08	09	09	13	13	00
Min	0.006186	9.4	9.7	.00	28.90	978.9	-3.2	.00	190.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/17/2014

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	217.4	178.4	317.3	178.8	39.0	46.9	15.2	.5	.6
01:00	254.9	207.1	260.6	209.5	23.2	12.4	9.6	1.0	1.5
02:00	240.9	228.2	257.2	230.3	17.5	7.7	6.4	1.2	1.7
03:00	228.0	238.5	246.8	241.0	15.2	10.3	17.3	1.5	2.5
04:00	233.7	234.6	251.6	237.1	17.7	7.8	4.9	1.1	2.4
05:00	225.4	215.8	253.2	219.0	39.1	23.8	15.1	.3	.8
06:00	229.0	229.3	238.0	231.7	27.8	17.2	12.7	1.5	2.4
07:00	227.1	229.1	231.4	232.9	24.1	18.8	15.4	1.1	1.9
08:00	206.4	207.9	207.4	221.3	28.9	22.3	17.3	1.3	1.6
09:00	214.8	216.8	217.8	218.8	26.3	17.7	12.8	2.7	3.6
10:00	217.1	222.0	214.1	224.0	22.4	21.0	17.0	3.7	4.6
11:00	229.3	229.3	234.5	230.7	28.6	23.1	18.9	4.7	6.1
12:00	232.4	229.0	239.5	231.8	24.9	17.4	14.2	6.0	8.1
13:00	234.7	231.0	242.2	234.1	22.4	17.0	12.9	6.4	8.3
14:00	230.8	228.6	236.3	231.2	24.8	19.6	16.4	6.4	8.3
15:00	225.2	222.0	231.9	224.6	23.9	21.4	18.4	6.6	8.7
16:00	218.3	215.9	225.9	219.1	25.6	18.9	14.2	7.2	10.4
17:00	230.2	226.2	238.0	229.1	21.1	14.5	11.0	7.1	10.6
18:00	233.6	224.1	248.7	227.1	16.3	9.9	7.4	3.6	6.4
19:00	234.0	223.4	250.0	226.4	10.8	6.6	5.1	3.0	6.0
20:00	239.0	227.2	249.9	230.5	8.6	5.0	3.4	2.6	5.8
21:00	245.4	231.1	251.6	233.9	11.2	5.6	3.1	2.4	5.4
22:00	238.1	236.8	241.3	239.3	7.6	4.5	3.6	2.7	5.2
23:00	217.1	238.3	251.1	240.3	16.5	4.5	3.5	1.2	3.5
Avg	229.0	224.0	242.0	227.0	21.8	15.6	11.5	.0	.0
Max	254.9	238.5	317.3	241.0	39.1	46.9	18.9	7.2	10.6
Hr. of Max	01	03	00	03	05	00	11	16	17
Min	206.4	178.4	207.4	178.8	7.6	4.5	3.1	.3	.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/17/2014

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	1.1	.6	.7	1.2	1.0	1.6	1.5	-.9	.01
01:00	1.9	1.1	1.6	2.0	1.6	2.4	.4	-.2	.01
02:00	1.8	1.3	1.8	1.9	1.8	2.3	-.3	2.2	-.02
03:00	1.6	1.6	2.6	1.6	2.2	2.1	-.8	2.0	-.05
04:00	2.9	1.2	2.4	3.0	1.8	3.5	-1.6	.7	-.07
05:00	1.5	.4	.9	1.6	1.0	2.1	-.7	-3.6	-.03
06:00	3.0	1.7	2.6	3.2	2.3	3.7	1.5	-3.3	-.02
07:00	2.4	1.2	2.0	2.6	1.8	3.3	.2	.5	-.04
08:00	1.9	1.4	1.8	2.0	2.1	3.9	3.8	-4.4	.09
09:00	4.1	2.9	3.7	4.2	3.4	4.7	1.9	-.3	-.02
10:00	5.3	4.0	4.8	5.5	4.7	6.1	-.2	1.1	-.08
11:00	6.9	5.3	6.5	7.2	5.9	7.9	.3	.1	-.18
12:00	9.5	6.6	8.4	9.8	7.1	10.6	-.8	-1.5	-.32
13:00	9.6	6.8	8.6	9.8	7.5	10.6	-1.2	-3.2	-.39
14:00	9.6	6.9	8.7	10.0	7.7	10.8	-.3	.3	-.29
15:00	10.7	7.1	9.2	11.2	7.8	12.1	.8	.7	-.20
16:00	13.1	7.8	10.9	13.4	8.7	14.3	1.0	-.4	-.08
17:00	12.9	7.5	10.9	13.1	8.3	14.1	-.8	.1	-.41
18:00	8.9	3.7	6.5	9.0	4.2	9.6	-1.4	.9	-.17
19:00	8.6	3.1	6.1	8.6	3.5	9.3	-1.9	.4	-.14
20:00	8.6	2.7	5.8	8.6	3.1	9.2	-.9	.7	-.07
21:00	7.9	2.5	5.4	7.9	2.9	8.4	-.1	1.3	-.02
22:00	7.5	2.7	5.2	7.5	3.2	8.1	-.9	2.0	-.08
23:00	5.2	1.3	3.5	5.2	1.7	5.7	2.3	2.6	.05
Avg	.0	3.4	5.0	6.3	4.0	6.9	.1	-.1	-.11
Max	13.1	7.8	10.9	13.4	8.7	14.3	3.8	2.6	.09
Hr. of Max	16	16	17	16	16	16	08	23	08
Min	1.1	.4	.7	1.2	1.0	1.6	-1.9	-4.4	-.41
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/17/2014

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	-.02	2.3	4.4	4.6	2.7	3.5	7.2	4.9
01:00	.00	3.7	3.9	5.0	2.8	3.8	5.5	2.8
02:00	.10	3.4	4.4	4.4	3.3	3.6	5.2	3.2
03:00	.06	3.9	4.8	3.4	4.6	3.7	7.0	4.4
04:00	.03	3.2	5.7	4.8	3.3	5.3	13.6	2.4
05:00	-.10	2.3	3.2	3.9	3.1	4.4	19.9	9.4
06:00	-.19	4.4	5.5	6.0	5.1	6.6	16.9	10.0
07:00	.03	4.6	6.0	5.0	3.8	5.8	16.6	5.5
08:00	-.39	4.8	6.6	6.9	6.1	7.6	17.9	8.6
09:00	-.08	7.8	10.1	9.4	7.1	8.4	18.0	11.7
10:00	.04	9.2	13.3	11.9	10.5	11.9	16.2	13.7
11:00	-.16	12.6	13.7	16.3	13.8	14.8	18.7	15.5
12:00	-.47	18.1	20.2	20.2	15.1	20.3	16.8	12.6
13:00	-.65	19.0	17.4	23.4	16.8	19.5	16.4	11.4
14:00	-.10	15.8	17.2	17.9	16.1	20.3	16.3	12.4
15:00	-.08	17.6	20.8	20.8	20.7	22.4	17.7	12.3
16:00	-.33	21.5	34.6	35.5	21.7	26.2	16.2	9.3
17:00	-.14	18.3	22.2	26.6	20.6	25.2	15.8	8.2
18:00	.11	12.6	19.9	29.8	13.1	16.9	11.8	5.7
19:00	.05	8.5	14.9	15.3	6.9	13.7	7.3	3.8
20:00	.11	8.9	11.7	16.7	7.0	12.2	5.4	2.6
21:00	.19	4.4	8.9	16.3	5.1	10.2	5.3	2.1
22:00	.27	7.3	11.4	17.4	5.4	10.6	4.5	2.6
23:00	.25	4.4	6.0	10.8	3.0	7.7	5.6	2.8
Avg	-.06	9.1	12.0	13.8	9.1	11.9	12.6	7.4
Max	.27	21.5	34.6	35.5	21.7	26.2	19.9	15.5
Hr. of Max	22	16	16	16	16	16	05	11
Min	-.65	2.3	3.2	3.4	2.7	3.5	4.5	2.1
Count	24	24	24	24	24	24	24	24
Total								