Date Printed: 09/11/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/10/2014

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	20.7	21.4	21.7	22.1	.68	1.04	1.47	.36	.79
01:00	20.6	21.5	21.9	22.6	.85	1.27	1.97	.42	1.12
02:00	21.1	21.8	22.1	22.4	.76	1.06	1.30	.30	.54
03:00	20.7	21.5	21.9	22.2	.84	1.20	1.51	.36	.67
04:00	19.9	20.7	21.4	21.8	.80	1.52	1.89	.72	1.09
05:00	19.6	20.8	21.1	21.4	1.18	1.47	1.75	.29	.57
06:00	19.7	20.8	20.9	21.1	1.02	1.11	1.35	.09	.33
07:00	20.3	20.8	20.9	21.0	.43	.56	.67	.12	.24
08:00	21.3	21.3	21.2	21.3	.00	-.02	.05	-.02	.05
09:00	22.2	22.0	21.8	21.7	-.24	-.44	-.49	-.20	-.25
10:00	23.5	23.1	22.9	22.8	-.38	-.65	-.73	-.27	-.35
11:00	26.0	25.3	24.9	24.8	-.72	-1.10	-1.21	-.37	-.49
12:00	27.2	26.5	26.1	26.0	-.75	-1.09	-1.18	-.34	-.43
13:00	27.8	27.1	26.7	26.6	-.73	-1.10	-1.21	-.37	-.47
14:00	27.9	27.3	27.0	26.9	-.56	-.85	-.97	-.29	-.41
15:00	28.0	27.6	27.3	27.2	-.44	-.74	-.82	-.30	-.38
16:00	28.7	28.2	27.9	27.8	-.46	-.78	-.90	-.32	-.44
17:00	27.7	27.5	27.2	27.2	-.22	-.44	-.44	-.21	-.21
18:00	27.4	27.3	27.0	27.0	-.14	-.37	-.42	-.23	-.28
19:00	26.2	26.3	26.2	26.3	.08	.04	.11	-.04	.03
20:00	24.7	25.3	25.3	25.4	.59	.65	.74	.06	.15
21:00	23.1	24.5	24.7	24.8	1.45	1.60	1.69	.15	.25
22:00	23.6	24.1	24.1	24.2	.49	.51	.63	.02	.14
23:00	23.0	23.7	23.9	24.1	.73	.84	1.07	.11	.34
Avg	23.8	24.0	24.0	24.1	.22	.22	.33	.00	.11
Max	28.7	28.2	27.9	27.8	1.45	1.60	1.97	.72	1.12
Hr. of Max	16	16	16	16	21	21	01	04	01
Min	19.6	20.7	20.9	21.0	-.75	-1.10	-1.21	-.37	-.49
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/10/2014

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	19.2	20.3	19.7	26.1	93.6	96.2	16.5	17.6	0.014421
01:00	19.2	20.4	19.7	25.9	93.7	96.0	16.4	17.7	0.014382
02:00	19.6	20.1	20.1	25.7	93.3	92.1	16.8	17.3	0.014727
03:00	19.3	19.9	19.8	25.5	94.0	92.7	16.6	17.1	0.01449
04:00	18.7	19.5	19.1	25.4	94.7	95.0	15.9	16.8	0.013909
05:00	18.4	19.3	18.8	25.2	94.7	93.4	15.7	16.6	0.013661
06:00	18.5	19.2	18.9	25.1	94.4	92.9	15.8	16.4	0.013734
07:00	19.0	19.3	19.5	24.9	94.2	93.5	16.3	16.6	0.014205
08:00	19.5	19.4	20.1	24.8	91.8	91.1	16.7	16.6	0.014645
09:00	19.6	19.4	20.5	24.7	87.2	87.3	16.8	16.6	0.014768
10:00	19.2	19.0	20.6	24.8	78.9	79.5	16.3	16.1	0.014414
11:00	18.5	18.0	21.0	24.9	64.9	65.8	15.5	15.1	0.013794
12:00	18.4	18.1	21.3	25.2	60.1	61.5	15.4	15.1	0.013711
13:00	18.5	18.2	21.6	25.6	58.4	59.7	15.5	15.2	0.013838
14:00	18.8	18.6	21.8	26.0	59.6	60.7	15.8	15.6	0.014138
15:00	19.4	19.1	22.3	26.4	61.3	61.7	16.4	16.1	0.014691
16:00	19.2	18.9	22.4	26.6	58.3	58.7	16.1	15.9	0.014534
17:00	19.5	19.3	22.2	26.8	62.8	62.9	16.4	16.3	0.01475
18:00	19.7	19.6	22.3	26.9	64.6	64.6	16.7	16.5	0.014958
19:00	19.7	19.7	21.8	26.9	69.3	69.1	16.7	16.7	0.014925
20:00	19.6	19.6	21.3	26.8	75.5	72.7	16.7	16.6	0.014868
21:00	19.9	19.6	20.9	26.7	84.3	75.9	17.0	16.6	0.015055
22:00	19.4	19.4	20.8	26.4	79.4	76.9	16.5	16.5	0.01462
23:00	19.2	19.2	20.5	26.2	81.0	77.5	16.3	16.3	0.014415
Avg	19.2	19.3	20.7	25.8	78.8	78.2	16.3	16.4	0.014402
Max	19.9	20.4	22.4	26.9	94.7	96.2	17.0	17.7	0.015055
Hr. of Max	21	01	16	19	05	00	21	01	21
Min	18.4	18.0	18.8	24.7	58.3	58.7	15.4	15.1	0.013661
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/10/2014

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	0.015448	22.4	23.9	.00	29.13	986.6	-2.6	.00	325.6 -
01:00	0.015528	22.3	24.0	.00	29.13	986.5	-3.4	.00	299.9 -
02:00	0.015225	22.8	23.6	.00	29.13	986.5	-2.6	.00	230.7
03:00	0.015046	22.5	23.3	.00	29.12	986.3	-1.6	.00	240.8
04:00	0.014666	21.6	22.7	.00	29.12	986.1	-1.8	.00	222.0
05:00	0.014501	21.2	22.5	.00	29.13	986.5	-1.7	.00	234.4
06:00	0.014393	21.3	22.3	.00	29.13	986.5	-1.3	.00	243.7
07:00	0.014493	22.0	22.5	.00	29.15	987.1	7.8	.01	230.5
08:00	0.014536	22.7	22.6	.00	29.17	987.7	74.6	.11	230.1
09:00	0.014557	22.9	22.6	.00	29.17	987.9	171.8	.25	211.3
10:00	0.014184	22.4	22.0	.00	29.18	988.2	339.0	.49	221.0
11:00	0.013392	21.4	20.8	.00	29.17	987.8	741.4	1.06	195.6
12:00	0.013431	21.3	20.9	.00	29.16	987.4	627.4	.90	214.3
13:00	0.013549	21.5	21.0	.00	29.14	987.0	686.8	.98	199.9
14:00	0.01393	21.9	21.6	.00	29.12	986.2	547.6	.78	189.8
15:00	0.014401	22.7	22.3	.00	29.10	985.6	457.5	.66	196.9
16:00	0.014247	22.5	22.1	.00	29.08	984.8	475.8	.68	205.3
17:00	0.014592	22.8	22.6	.00	29.07	984.5	222.7	.32	213.7
18:00	0.014842	23.1	22.9	.00	29.06	984.2	186.3	.27	187.7
19:00	0.014942	23.1	23.1	.00	29.05	983.9	25.7	.04	206.8
20:00	0.014842	23.0	22.9	.00	29.05	983.7	-2.3	.00	222.8
21:00	0.0148	23.3	22.9	.00	29.06	984.0	-1.7	.00	227.6
22:00	0.0146	22.6	22.6	.00	29.06	984.1	-1.3	.00	245.0
23:00	0.014433	22.3	22.3	.00	29.07	984.6	-1.5	.00	243.2
Avg	0.014524	22.3	22.5	.00	29.11	986.0	189.3	.27	224.0
Max	0.015528	23.3	24.0	.00	29.18	988.2	741.4	1.06	325.6
Hr. of Max	01	21	01	23	10	10	11	11	00
Min	0.013392	21.2	20.8	.00	29.05	983.7	-3.4	.00	187.7
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/10/2014

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	330.4 -	215.5	319.8	221.0	<	<	47.8	.4	.4
01:00	124.5 -	209.2	304.2	210.0	<	30.6 -	18.9	.2	.3
02:00	250.4	238.1	240.7	238.9	10.8	8.9	6.3	1.1	2.9
03:00	245.1	234.4	250.4	235.6	12.2	6.6	4.6	1.1	2.9
04:00	254.2	239.3	233.0	240.1	17.6	7.9	5.0	1.3	3.1
05:00	239.1	230.7	245.3	232.2	10.7	4.9	4.0	1.3	3.2
06:00	236.8	225.2	254.5	226.6	14.2	7.6	6.6	1.2	2.8
07:00	242.2	238.2	241.7	239.0	12.0	7.5	5.2	1.7	3.3
08:00	253.5	252.3	241.7	252.9	22.5	12.8	8.7	1.6	3.5
09:00	229.8	236.2	222.5	237.2	29.1	22.2	17.1	1.5	2.4
10:00	228.3	225.5	231.6	226.1	26.5	19.9	16.9	2.5	3.4
11:00	202.4	201.6	208.5	202.5	33.8	26.2	21.7	5.0	6.5
12:00	221.8	220.4	226.8	221.6	27.8	23.6	18.9	5.1	6.5
13:00	211.3	209.7	211.1	210.8	27.0	21.9	18.2	5.8	7.7
14:00	201.5	201.7	202.1	202.1	29.8	23.7	20.2	4.6	6.0
15:00	210.2	210.5	209.3	211.1	25.8	22.2	18.7	3.8	5.1
16:00	212.3	211.5	217.6	212.5	28.0	21.0	17.8	4.7	6.8
17:00	220.9	217.8	225.4	219.2	23.3	18.5	14.3	3.7	5.6
18:00	197.2	192.3	197.9	193.0	25.4	20.3	16.6	3.6	5.1
19:00	207.9	199.4	219.4	200.3	22.8	15.2	12.9	3.0	5.5
20:00	212.4	203.0	234.7	203.8	25.2	14.3	11.1	2.0	4.6
21:00	211.5	202.0	237.4	202.9	22.1	12.7	10.8	2.0	4.2
22:00	232.9	218.0	256.5	219.2	21.5	16.3	14.0	3.2	5.3
23:00	239.6	229.1	254.5	230.7	16.9	11.4	8.8	3.7	6.3
Avg	225.0	219.0	235.0	220.0	22.0	16.4	14.4	.0	.0
Max	330.4	252.3	319.8	252.9	33.8	30.6	47.8	5.8	7.7
Hr. of Max	00	08	00	08	11	01	00	13	13
Min	124.5	192.3	197.9	193.0	10.7	4.9	4.0	.2	.3
Count	24	24	24	24	22	23	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/10/2014

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	.5	.6	.8	.7	1.1	1.1	2.5	-.5	.02
01:00	2.9	.3	.9	3.0	.8	3.5	.5	-.7	.00
02:00	4.7	1.2	3.0	4.8	1.8	5.2	.7	.1	.01
03:00	4.9	1.2	3.0	4.9	1.8	5.3	.7	1.2	.02
04:00	5.4	1.3	3.2	5.4	1.9	5.9	.8	1.1	.01
05:00	5.2	1.3	3.2	5.2	1.9	5.7	.1	.8	-.01
06:00	4.3	1.2	2.8	4.3	1.8	4.8	-.6	-.2	-.04
07:00	4.7	1.7	3.3	4.7	2.3	5.2	-.8	.0	-.04
08:00	4.9	1.7	3.6	5.0	2.3	5.4	-.3	.1	-.06
09:00	3.2	1.8	2.6	3.4	2.3	3.8	3.0	1.6	.02
10:00	4.0	2.8	3.7	4.4	3.4	4.9	-.4	-3.2	-.14
11:00	7.6	5.7	7.1	8.1	6.5	8.8	.8	-1.4	-.14
12:00	8.0	5.7	7.1	8.5	6.4	9.1	-1.5	.3	-.34
13:00	9.4	6.5	8.3	10.0	7.3	10.7	2.1	.2	-.05
14:00	7.1	5.3	6.6	7.6	6.0	8.2	.0	.2	-.20
15:00	6.4	4.1	5.5	6.8	4.8	7.3	1.8	.3	.00
16:00	8.4	5.2	7.3	8.8	6.0	9.5	2.2	.1	-.03
17:00	7.6	4.0	5.9	7.8	4.8	8.4	-.7	.2	-.21
18:00	6.4	3.9	5.3	6.7	4.5	7.1	1.7	-.2	.00
19:00	7.0	3.2	5.7	7.2	3.8	7.7	-.4	-.2	-.17
20:00	6.3	2.2	4.7	6.4	2.9	6.9	.8	-2.0	-.05
21:00	5.8	2.1	4.3	5.9	2.7	6.3	.4	-1.7	-.06
22:00	7.0	3.4	5.5	7.2	4.0	7.8	-3.8	-1.5	-.35
23:00	8.6	3.8	6.5	8.7	4.4	9.4	-2.8	-1.1	-.29
Avg	.0	2.9	4.6	6.1	3.6	6.6	.3	-.3	-.09
Max	9.4	6.5	8.3	10.0	7.3	10.7	3.0	1.6	.02
Hr. of Max	13	13	13	13	13	13	09	09	09
Min	.5	.3	.8	.7	.8	1.1	-3.8	-3.2	-.35
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/10/2014

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	-.01	2.5	2.3	2.3	3.0	2.8	10.3	12.9
01:00	-.05	2.3	4.1	7.6	2.5	8.8	10.1	9.1
02:00	.01	3.2	6.6	11.9	3.6	7.5	5.8	3.4
03:00	.10	4.1	8.0	10.5	3.2	8.5	4.6	2.6
04:00	.11	3.7	7.8	10.1	3.3	8.5	5.9	2.9
05:00	.08	2.7	8.0	11.2	3.4	8.2	3.4	3.0
06:00	-.03	3.4	6.2	9.8	3.3	8.2	5.9	3.0
07:00	-.01	3.4	5.5	10.1	3.9	9.3	4.4	3.3
08:00	-.02	3.9	8.5	10.3	5.5	9.4	13.6	5.9
09:00	.06	6.2	8.5	8.5	7.3	9.0	20.8	14.3
10:00	-.36	6.6	9.8	15.3	7.6	10.6	20.3	15.2
11:00	-.36	13.1	14.2	16.9	14.9	17.7	19.2	15.7
12:00	-.13	14.4	15.1	15.1	15.0	16.5	16.6	13.1
13:00	-.13	16.7	17.9	22.9	22.4	21.3	20.1	13.2
14:00	-.11	13.7	16.7	15.8	18.0	16.4	18.1	16.1
15:00	-.09	9.8	11.9	17.2	11.1	14.6	20.3	13.5
16:00	-.20	17.4	17.9	18.8	20.4	20.5	19.5	13.1
17:00	-.09	17.2	18.5	19.9	14.9	20.9	18.2	9.5
18:00	-.16	10.1	12.8	13.3	10.8	14.4	17.3	13.4
19:00	-.16	10.5	12.8	14.2	10.8	14.4	17.5	10.2
20:00	-.31	6.6	14.0	14.7	7.0	13.0	17.2	8.2
21:00	-.23	7.6	9.8	11.7	7.8	12.5	13.1	8.5
22:00	-.32	12.1	12.4	13.7	9.6	15.3	13.0	9.9
23:00	-.22	8.9	11.2	15.1	9.3	15.8	11.0	5.9
Avg	-.11	8.3	10.9	13.2	9.1	12.7	13.6	9.4
Max	.11	17.4	18.5	22.9	22.4	21.3	20.8	16.1
Hr. of Max	04	16	17	13	13	13	09	14
Min	-.36	2.3	2.3	2.3	2.5	2.8	3.4	2.6
Count	24	24	24	24	24	24	24	24
Total								