Date Printed: 09/08/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/7/2014

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	20.1	20.7	20.9	21.3	.58	.80	1.15	.22	.56
01:00	20.0	20.6	21.0	21.3	.64	1.02	1.31	.38	.67
02:00	19.6	20.6	20.9	21.1	.97	1.31	1.55	.34	.58
03:00	19.4	20.1	20.6	21.0	.77	1.20	1.58	.43	.81
04:00	19.1	20.1	20.3	20.6	.94	1.20	1.45	.26	.51
05:00	19.0	19.9	20.1	20.4	.90	1.14	1.38	.24	.48
06:00	18.9	19.8	20.0	20.2	.94	1.18	1.38	.25	.45
07:00	18.9	20.0	20.1	20.2	1.11	1.22	1.35	.12	.24
08:00	21.0	20.9	20.9	20.9	-.06	-.14	-.06	-.08	.00
09:00	23.5	23.0	22.8	22.7	-.45	-.69	-.79	-.24	-.34
10:00	24.3	23.9	23.6	23.5	-.38	-.65	-.76	-.26	-.38
11:00	25.7	25.0	24.6	24.4	-.68	-1.08	-1.29	-.40	-.61
12:00	26.1	25.5	25.2	25.1	-.51	-.82	-.97	-.31	-.45
13:00	27.3	26.6	26.2	26.0	-.69	-1.11	-1.28	-.42	-.60
14:00	28.1	27.4	27.0	26.8	-.70	-1.12	-1.33	-.42	-.63
15:00	28.8	28.0	27.6	27.5	-.76	-1.14	-1.31	-.38	-.55
16:00	28.9	28.4	28.0	27.9	-.58	-.91	-1.07	-.33	-.49
17:00	27.7	27.3	27.2	27.1	-.37	-.53	-.57	-.16	-.20
18:00	26.7	26.3	26.2	26.1	-.35	-.51	-.55	-.16	-.20
19:00	24.7	24.9	24.9	24.9	.13	.13	.15	.00	.02
20:00	22.8	22.8	22.7	22.7	.07	-.05	-.06	-.12	-.13
21:00	21.3	21.4	21.3	21.4	.08	.04	.07	-.04	-.01
22:00	20.3	20.5	20.5	20.6	.14	.14	.21	.01	.08
23:00	20.2	20.4	20.3	20.4	.17	.11	.17	-.06	.01
Avg	23.0	23.1	23.0	23.1	.08	.03	.07	-.05	-.01
Max	28.9	28.4	28.0	27.9	1.11	1.31	1.58	.43	.81
Hr. of Max	16	16	16	16	07	02	03	03	03
Min	18.9	19.8	20.0	20.2	-.76	-1.14	-1.33	-.42	-.63
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/7/2014

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	19.0	19.7	19.4	26.5	95.6	96.3	16.3	17.0	0.014212
01:00	18.9	19.6	19.3	26.3	95.8	96.2	16.2	16.9	0.014136
02:00	18.5	19.5	18.9	26.0	95.6	95.9	15.8	16.8	0.013786
03:00	18.3	19.3	18.7	25.8	95.8	96.8	15.6	16.5	0.013622
04:00	18.1	19.2	18.4	25.6	95.8	96.7	15.4	16.4	0.01341
05:00	18.0	19.0	18.3	25.4	95.8	96.9	15.3	16.3	0.013297
06:00	17.8	18.9	18.2	25.2	95.8	97.0	15.2	16.2	0.013175
07:00	17.9	19.1	18.2	25.0	95.8	96.6	15.2	16.4	0.013205
08:00	19.6	19.4	20.0	24.8	93.8	93.4	16.8	16.7	0.014736
09:00	20.3	19.6	21.4	24.7	84.6	83.4	17.5	16.8	0.015436
10:00	19.8	19.5	21.3	24.8	78.2	78.5	16.9	16.6	0.015002
11:00	19.6	19.2	21.7	25.0	71.2	72.1	16.7	16.3	0.014835
12:00	19.5	19.3	21.7	25.4	69.0	70.0	16.5	16.3	0.014708
13:00	19.6	19.3	22.2	25.7	64.8	66.0	16.6	16.3	0.01484
14:00	19.1	19.0	22.1	26.1	59.8	61.9	16.1	16.0	0.014419
15:00	18.5	18.3	21.9	26.5	55.4	57.1	15.4	15.3	0.013873
16:00	18.3	18.1	21.8	26.8	54.2	55.5	15.2	15.1	0.013701
17:00	19.2	19.1	22.0	26.9	61.7	62.4	16.2	16.0	0.014493
18:00	19.3	19.2	21.7	27.1	65.6	66.4	16.3	16.2	0.014535
19:00	20.0	19.9	21.6	27.1	76.9	75.9	17.1	17.0	0.015164
20:00	19.1	19.2	20.3	27.0	81.8	82.0	16.3	16.4	0.014332
21:00	18.4	18.5	19.4	26.8	85.5	85.5	15.6	15.7	0.013687
22:00	17.9	18.0	18.7	26.5	87.8	87.7	15.2	15.3	0.01325
23:00	17.5	17.6	18.4	26.2	86.1	85.7	14.8	14.9	0.012899
Avg	18.8	19.1	20.2	26.0	80.9	81.5	16.0	16.2	0.014115
Max	20.3	19.9	22.2	27.1	95.8	97.0	17.5	17.0	0.015436
Hr. of Max	09	19	13	19	07	06	09	19	09
Min	17.5	17.6	18.2	24.7	54.2	55.5	14.8	14.9	0.012899
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/7/2014

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	0.014843	22.0	23.0	.00	29.14	986.8	-1.7	.00	36.7
01:00	0.014784	21.9	22.9	.00	29.12	986.2	-2.5	.00	22.0
02:00	0.014693	21.4	22.8	.00	29.11	985.8	-2.7	.00	52.0
03:00	0.014449	21.1	22.4	.00	29.11	985.8	-2.6	.00	33.4
04:00	0.014354	20.8	22.2	.00	29.11	986.0	-1.9	.00	38.1
05:00	0.014216	20.6	22.0	.00	29.12	986.2	-2.4	.00	59.1
06:00	0.014149	20.5	21.9	.00	29.14	986.7	-1.7	.00	33.1
07:00	0.014266	20.5	22.1	.00	29.15	987.0	27.1	.04	74.6
08:00	0.014605	22.8	22.6	.00	29.15	987.2	204.4	.29	72.1
09:00	0.014809	23.9	23.0	.00	29.15	987.3	483.7	.69	78.4
10:00	0.014712	23.3	22.8	.00	29.16	987.6	380.9	.55	70.1
11:00	0.014429	23.0	22.4	.00	29.17	987.8	753.6	1.08	67.9
12:00	0.014467	22.8	22.4	.00	29.16	987.7	430.3	.62	58.0
13:00	0.014505	23.0	22.5	.00	29.15	987.2	755.2	1.08	70.4
14:00	0.014317	22.4	22.2	.00	29.13	986.6	762.5	1.09	53.7
15:00	0.013674	21.5	21.2	.00	29.10	985.6	719.8	1.03	33.0
16:00	0.013563	21.2	21.0	.00	29.09	985.1	583.5	.84	41.0
17:00	0.014347	22.4	22.2	.00	29.08	984.9	258.1	.37	18.1
18:00	0.014435	22.5	22.3	.00	29.09	985.1	191.1	.27	22.8
19:00	0.015092	23.4	23.3	.00	29.09	985.2	41.4	.06	14.9
20:00	0.014426	22.2	22.3	.00	29.12	986.0	-2.1	.00	61.5
21:00	0.013753	21.2	21.3	.00	29.13	986.7	-1.6	.00	50.7
22:00	0.013348	20.6	20.7	.00	29.14	986.9	-2.2	.00	54.0
23:00	0.012972	20.1	20.2	.00	29.15	987.3	-3.3	.00	64.5
Avg	0.0143	21.9	22.2	.00	29.13	986.4	232.0	.33	49.0
Max	0.015092	23.9	23.3	.00	29.17	987.8	762.5	1.09	78.4
Hr. of Max	19	09	19	23	11	11	14	14	09
Min	0.012972	20.1	20.2	.00	29.08	984.9	-3.3	.00	14.9
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/7/2014

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	11.9	14.8	8.6	8.2	48.1	31.5	13.7	.3	1.8
01:00	40.5	43.3	14.0	36.9	36.1	17.1	12.4	.8	2.1
02:00	32.0	25.1	33.5	18.9	34.5	22.2	18.6	.5	1.3
03:00	43.8	47.8	15.4	41.7	30.0	20.7	12.9	.6	1.4
04:00	56.3	37.7	22.6	30.9	54.7	21.8	18.4	.6	1.0
05:00	40.9	49.7	2.9	43.5	68.3	28.6	14.9	.4	1.1
06:00	34.7	66.7	345.5	61.7	54.5	12.4	9.9	.4	1.1
07:00	38.8	51.8	63.8	46.0	26.1	15.4	8.3	.7	1.8
08:00	55.5	63.6	64.3	58.8	43.1	22.9	13.1	1.2	3.0
09:00	54.3	61.0	75.2	56.1	27.9	23.2	17.3	3.9	5.4
10:00	48.3	56.8	68.9	51.6	32.9	18.1	12.5	4.3	8.1
11:00	47.3	54.3	68.0	49.1	34.7	23.2	19.1	4.4	6.8
12:00	39.7	49.8	56.5	44.2	37.5	22.1	15.0	3.2	6.0
13:00	47.2	52.6	69.1	47.8	39.2	28.3	23.9	3.6	5.5
14:00	32.7	41.2	50.7	36.5	43.1	29.4	24.4	3.1	5.6
15:00	21.5	30.5	30.6	25.5	41.2	24.8	19.0	3.8	7.1
16:00	27.7	34.7	38.1	29.6	37.7	26.9	19.9	3.2	5.6
17:00	13.1	21.1	14.4	15.1	35.9	21.9	15.9	3.3	6.3
18:00	19.5	33.0	20.9	27.6	40.0	20.6	15.8	1.7	4.0
19:00	11.8	24.3	8.8	18.4	32.3	22.4	21.1	2.2	4.5
20:00	47.3	54.6	59.2	50.2	27.7	16.8	13.3	1.9	3.9
21:00	47.6	59.8	49.8	55.1	30.3	14.4	10.9	1.7	3.9
22:00	42.7	53.8	52.9	48.8	26.3	14.2	10.1	1.5	3.7
23:00	51.4	57.3	62.3	52.8	23.0	14.6	10.5	2.4	4.4
Avg	37.0	45.0	39.0	39.0	37.7	21.4	15.5	.0	.0
Max	56.3	66.7	345.5	61.7	68.3	31.5	24.4	4.4	8.1
Hr. of Max	04	06	06	06	05	00	14	11	10
Min	11.8	14.8	2.9	8.2	23.0	12.4	8.3	.3	1.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/7/2014

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	3.0	1.0	2.0	3.2	1.3	3.4	.2	.4	.00
01:00	3.2	1.2	2.4	3.3	1.4	3.6	.4	-.5	.00
02:00	2.4	1.0	1.6	2.7	1.3	3.0	1.9	.2	.01
03:00	2.3	.8	1.6	2.4	1.2	2.6	2.5	2.2	.05
04:00	1.7	.8	1.1	1.8	1.1	2.0	3.3	.6	.06
05:00	2.0	.7	1.2	2.1	1.0	2.3	1.1	-1.3	.00
06:00	2.1	.4	1.2	2.1	.7	2.3	2.7	-.3	.05
07:00	3.0	.8	1.9	3.1	1.1	3.3	2.2	-.4	.04
08:00	4.9	1.5	3.2	5.0	1.8	5.3	3.0	2.1	-.01
09:00	6.7	4.3	5.8	7.0	4.9	7.4	.8	3.8	.01
10:00	10.0	4.9	8.4	10.2	5.6	10.7	-1.1	-.2	-.36
11:00	8.3	5.1	7.2	8.7	5.6	9.3	1.8	1.0	-.09
12:00	7.6	3.7	6.4	7.9	4.2	8.4	-.9	.4	-.31
13:00	6.3	4.4	6.1	6.8	4.9	7.3	1.0	2.0	-.09
14:00	6.9	4.0	6.3	7.4	4.7	8.0	.1	1.7	-.17
15:00	8.5	4.9	7.8	9.1	5.4	9.7	-3.2	-2.2	-.63
16:00	6.9	3.9	6.2	7.3	4.5	7.9	-.6	-.3	-.32
17:00	7.5	3.8	6.7	7.8	4.3	8.2	-2.6	-.4	-.44
18:00	4.9	2.1	4.3	5.2	2.5	5.5	-.1	2.2	-.17
19:00	5.7	2.7	5.0	6.3	3.0	6.6	-2.5	-.4	-.28
20:00	4.7	2.1	4.0	4.8	2.3	5.1	-1.4	-.6	-.15
21:00	5.0	1.9	4.1	5.1	2.2	5.4	-2.5	-.7	-.23
22:00	5.0	1.7	3.9	5.2	2.0	5.4	-2.2	-1.5	-.17
23:00	6.2	2.6	4.6	6.3	2.9	6.7	-4.4	-1.7	-.34
Avg	.0	2.5	4.3	5.5	2.9	5.8	.0	.3	-.15
Max	10.0	5.1	8.4	10.2	5.6	10.7	3.3	3.8	.06
Hr. of Max	10	11	10	10	11	10	04	09	04
Min	1.7	.4	1.1	1.8	.7	2.0	-4.4	-2.2	-.63
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

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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	3.4	5.3	6.2	3.3	6.4	13.0	6.9
01:00	-.03	3.4	6.4	8.7	3.7	6.9	10.0	4.6
02:00	-.03	6.4	7.8	10.5	5.7	7.9	13.2	8.5
03:00	.09	2.7	3.0	3.9	2.9	4.6	10.5	5.2
04:00	.02	2.3	3.0	7.3	2.4	4.4	8.6	6.7
05:00	-.07	3.0	3.2	4.4	3.1	4.8	10.0	6.8
06:00	-.02	2.1	3.0	5.0	2.3	6.3	7.3	6.3
07:00	-.04	3.0	5.5	6.6	2.5	6.9	11.0	5.3
08:00	.09	6.9	9.4	10.8	8.0	11.6	22.1	10.8
09:00	.28	11.2	14.0	16.3	12.9	17.0	19.7	14.9
10:00	-.23	14.0	16.5	17.2	15.6	17.8	23.3	11.6
11:00	-.15	13.3	18.1	21.8	14.8	19.1	23.3	16.0
12:00	-.10	11.9	14.2	14.9	12.8	16.7	24.7	12.0
13:00	.04	12.1	15.1	13.5	11.7	14.1	22.9	18.1
14:00	.07	10.8	14.4	16.9	11.6	17.3	23.5	16.5
15:00	-.56	15.6	16.0	15.8	15.8	16.6	22.3	13.1
16:00	-.20	16.0	17.9	22.7	12.7	14.7	25.9	14.5
17:00	-.19	11.4	14.7	15.8	12.6	14.7	21.3	10.1
18:00	.13	7.6	9.8	10.3	8.2	11.2	25.0	12.8
19:00	-.12	9.4	12.1	13.3	10.3	13.8	20.0	8.3
20:00	-.16	7.1	7.8	9.2	6.3	9.0	20.7	9.4
21:00	-.14	6.4	13.3	16.3	8.6	9.7	20.5	8.3
22:00	-.16	4.4	10.3	12.6	6.0	8.7	18.1	6.4
23:00	-.24	7.8	9.4	11.7	8.1	12.3	17.9	8.1
Avg	-.07	8.0	10.4	12.2	8.4	11.4	18.1	10.1
Max	.28	16.0	18.1	22.7	15.8	19.1	25.9	18.1
Hr. of Max	09	16	11	16	15	11	16	13
Min	-.56	2.1	3.0	3.9	2.3	4.4	7.3	4.6
Count	24	24	24	24	24	24	24	24
Total								