Date Printed: 09/19/2014 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/18/2014

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	14.7	15.1	15.7	16.4	.38	1.05	1.75	.67	1.38
01:00	15.1	15.5	16.2	16.5	.42	1.05	1.36	.63	.95
02:00	15.5	15.8	16.1	16.4	.28	.65	.87	.37	.59
03:00	14.9	15.3	15.6	15.8	.35	.67	.89	.32	.54
04:00	15.0	15.2	15.4	15.6	.25	.45	.67	.20	.42
05:00	15.4	15.5	15.6	15.7	.11	.23	.35	.12	.24
06:00	15.5	15.7	15.7	15.8	.22	.25	.30	.03	.09
07:00	15.0	15.6	15.6	15.7	.55	.63	.69	.08	.14
08:00	16.6	16.4	16.2	16.3	-.17	-.33	-.32	-.15	-.15
09:00	18.9	18.4	18.1	18.0	-.50	-.81	-.95	-.31	-.45
10:00	21.0	20.3	19.9	19.7	-.72	-1.11	-1.31	-.39	-.59
11:00	22.2	21.3	21.0	20.8	-.86	-1.19	-1.37	-.33	-.51
12:00	23.7	22.6	22.2	22.0	-1.16	-1.54	-1.72	-.38	-.56
13:00	24.6	23.5	23.1	22.9	-1.06	-1.47	-1.66	-.41	-.60
14:00	24.9	24.0	23.6	23.5	-.92	-1.30	-1.45	-.37	-.53
15:00	25.2	24.4	24.0	23.9	-.81	-1.17	-1.29	-.35	-.48
16:00	25.4	24.6	24.3	24.2	-.72	-1.04	-1.20	-.32	-.48
17:00	24.4	24.0	23.7	23.7	-.40	-.63	-.64	-.23	-.25
18:00	22.6	22.6	22.7	22.9	.03	.12	.28	.10	.25
19:00	20.7	21.6	21.7	21.9	.85	.99	1.18	.14	.34
20:00	18.6	20.3	20.7	21.1	1.78	2.12	2.55	.35	.77
21:00	17.4	19.0	19.3	19.8	1.56	1.85	2.37	.29	.81
22:00	16.4	17.8	18.1	18.6	1.48	1.70	2.23	.22	.75
23:00	15.7	17.1	17.3	17.8	1.37	1.55	2.10	.18	.73
Avg	19.1	19.2	19.2	19.4	.10	.11	.24	.02	.14
Max	25.4	24.6	24.3	24.2	1.78	2.12	2.55	.67	1.38
Hr. of Max	16	16	16	16	20	20	20	00	00
Min	14.7	15.1	15.4	15.6	-1.16	-1.54	-1.72	-.41	-.60
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/18/2014

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	13.0	13.3	13.6	23.6	91.3	90.4	11.3	11.5	0.009668
01:00	13.4	13.3	14.0	23.3	91.0	87.8	11.6	11.5	0.009893
02:00	13.5	13.2	14.2	23.1	89.6	86.0	11.7	11.4	0.009984
03:00	13.2	13.2	13.8	22.9	90.8	88.6	11.4	11.4	0.009762
04:00	13.4	13.3	13.9	22.7	91.9	89.9	11.6	11.5	0.009902
05:00	13.8	13.4	14.3	22.5	91.5	88.8	11.8	11.6	0.010127
06:00	13.7	13.7	14.3	22.3	90.8	89.7	11.8	11.8	0.010089
07:00	13.7	13.9	14.1	22.2	93.3	91.3	11.8	11.9	0.010072
08:00	14.2	13.8	15.0	22.0	87.2	86.1	12.1	11.8	0.010396
09:00	13.7	13.3	15.5	21.9	73.2	73.3	11.7	11.4	0.010125
10:00	12.6	12.2	15.4	22.0	60.1	61.0	10.8	10.6	0.009426
11:00	11.3	10.8	14.9	22.2	51.1	52.3	9.9	9.6	0.008627
12:00	9.8	9.3	14.4	22.6	42.3	43.7	9.0	8.7	0.007836
13:00	9.0	8.6	14.2	23.1	38.0	39.3	8.5	8.3	0.007434
14:00	9.8	9.6	14.8	23.7	39.4	40.9	8.9	8.8	0.007856
15:00	10.9	10.9	15.7	24.2	41.6	43.6	9.6	9.6	0.008464
16:00	11.6	11.3	16.2	24.5	43.2	44.3	10.0	9.9	0.008859
17:00	13.7	13.4	17.2	24.7	52.7	53.0	11.5	11.3	0.010163
18:00	14.7	14.1	17.3	24.8	62.4	59.8	12.3	11.9	0.010814
19:00	14.3	13.8	16.4	24.8	68.0	62.3	12.1	11.6	0.010526
20:00	14.2	13.8	15.7	24.6	77.3	67.7	12.1	11.7	0.010448
21:00	14.2	14.3	15.2	24.4	82.6	75.8	12.1	12.1	0.010387
22:00	14.0	14.4	14.8	24.1	87.4	81.9	12.0	12.3	0.010273
23:00	13.8	14.5	14.5	23.8	90.0	86.0	11.9	12.3	0.010164
Avg	12.9	12.7	15.0	23.3	71.9	70.1	11.1	11.0	0.009637
Max	14.7	14.5	17.3	24.8	93.3	91.3	12.3	12.3	0.010814
Hr. of Max	18	23	18	19	07	07	18	23	18
Min	9.0	8.6	13.6	21.9	38.0	39.3	8.5	8.3	0.007434
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/18/2014

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	0.009812	15.1	15.3	.00	29.05	983.9	-2.9	.00	254.8
01:00	0.00981	15.4	15.3	.00	29.06	984.2	-3.4	.00	233.3
02:00	0.009761	15.6	15.2	.00	29.07	984.5	-2.8	.00	215.7
03:00	0.00974	15.2	15.2	.00	29.07	984.5	-3.0	.00	264.8
04:00	0.009838	15.4	15.3	.00	29.06	984.3	-2.6	.00	327.3
05:00	0.009889	15.8	15.4	.00	29.08	984.6	-3.2	.00	353.3
06:00	0.010107	15.7	15.7	.00	29.08	984.8	-3.4	.00	26.6
07:00	0.010212	15.7	15.9	.00	29.08	984.9	19.5	.03	20.4
08:00	0.010152	16.2	15.8	.00	29.10	985.4	118.2	.17	37.9
09:00	0.009818	15.8	15.3	.00	29.11	985.7	363.0	.52	64.8
10:00	0.009158	14.7	14.3	.00	29.12	986.1	556.5	.80	61.8
11:00	0.008376	13.5	13.1	.00	29.12	986.1	649.7	.93	85.1
12:00	0.007565	12.3	11.8	.00	29.11	985.8	830.2	1.19	87.9
13:00	0.007215	11.6	11.3	.00	29.10	985.5	786.4	1.13	86.0
14:00	0.007727	12.3	12.1	.00	29.09	985.2	721.1	1.03	82.5
15:00	0.008452	13.2	13.2	.00	29.07	984.5	713.1	1.02	54.2
16:00	0.008706	13.8	13.6	.00	29.06	984.3	466.9	.67	80.2
17:00	0.009983	15.8	15.5	.00	29.06	984.2	214.1	.31	3.8
18:00	0.010396	16.8	16.2	.00	29.07	984.3	79.0	.11	17.9
19:00	0.010164	16.4	15.8	.00	29.07	984.5	10.1	.01	40.0
20:00	0.010208	16.3	15.9	.00	29.09	985.1	-1.5	.00	50.2
21:00	0.010508	16.2	16.4	.00	29.11	985.9	-2.8	.00	40.3
22:00	0.010581	16.0	16.5	.00	29.12	986.3	-2.3	.00	55.5
23:00	0.010605	15.9	16.5	.00	29.13	986.5	-2.2	.00	56.7
Avg	0.009533	15.0	14.9	.00	29.09	985.0	229.1	.33	42.0
Max	0.010605	16.8	16.5	.00	29.13	986.5	830.2	1.19	353.3
Hr. of Max	23	18	23	23	23	23	12	12	05
Min	0.007215	11.6	11.3	.00	29.05	983.9	-3.4	.00	3.8
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/18/2014

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	286.5	297.9	261.8	292.5	28.2	40.8	40.2	1.0	1.0
01:00	223.2	291.5	237.4	291.5	56.6	52.0	54.9	.7	1.0
02:00	234.1	268.8	227.1	268.5	16.0	15.1	18.6	1.7	2.5
03:00	221.6	232.7	269.5	233.2	30.7	37.2	32.7	.7	1.6
04:00	23.9	73.8	334.5	71.5	17.0	30.1	29.8	.4	.2
05:00	42.0	70.6	354.2	66.6	18.5	11.7	8.2	.6	1.3
06:00	55.1	71.3	31.7	67.2	14.8	11.2	7.9	1.6	2.4
07:00	60.7	68.5	25.7	64.6	15.7	9.9	6.3	1.1	1.9
08:00	51.8	63.8	49.5	59.7	44.4	23.9	23.3	.9	1.7
09:00	58.5	56.6	73.4	52.1	37.3	23.5	18.1	2.3	3.9
10:00	55.5	54.2	69.5	49.7	36.0	27.6	23.6	3.0	4.5
11:00	82.0	77.0	92.6	72.4	24.2	20.5	17.0	4.7	5.3
12:00	81.7	75.7	97.2	71.3	32.5	24.9	21.2	4.6	5.1
13:00	85.5	82.8	93.4	77.8	28.6	24.9	21.6	4.2	5.1
14:00	76.2	77.4	91.7	72.1	43.8	28.1	21.6	2.7	3.6
15:00	43.7	45.0	57.1	40.5	52.4	46.3	41.5	2.0	2.5
16:00	82.5	80.8	88.4	76.7	43.7	33.2	28.7	2.0	2.8
17:00	23.7	28.3	8.8	22.2	35.9	16.2	12.4	1.7	4.4
18:00	37.5	48.3	23.6	42.9	33.3	11.2	7.2	1.4	4.9
19:00	47.3	49.9	46.7	44.8	15.8	8.9	6.4	2.2	4.8
20:00	63.3	47.2	59.6	42.0	14.2	9.5	5.9	1.5	3.1
21:00	65.3	63.2	48.9	58.5	15.9	6.8	3.5	1.5	3.6
22:00	66.4	61.9	67.6	57.1	16.5	9.3	4.5	.8	2.0
23:00	68.4	62.9	67.9	58.2	14.0	5.9	3.7	1.1	2.6
Avg	58.0	56.0	50.0	51.0	28.6	22.0	19.1	.0	.0
Max	286.5	297.9	354.2	292.5	56.6	52.0	54.9	4.7	5.3
Hr. of Max	00	00	05	00	01	01	01	11	11
Min	23.7	28.3	8.8	22.2	14.0	5.9	3.5	.4	.2
Count	24	24	24	24	24	24	24	24	24
Total									

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OAK RIDGE NATIONAL LABORATORY
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Daily Summary Report

Site: Tower "D" (1000 Area)

9/18/2014

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	2.0	1.0	1.2	2.2	1.6	2.4	.0	.1	.00
01:00	1.5	1.2	1.6	2.0	1.7	2.5	2.7	-1.0	.05
02:00	2.9	1.7	2.8	3.4	2.4	3.7	-1.7	3.8	-.09
03:00	1.8	.7	1.6	2.0	1.3	2.5	-.8	2.9	-.04
04:00	.7	.4	.2	.7	.9	1.3	.9	.0	.02
05:00	1.7	.6	1.4	1.7	1.1	2.1	2.9	-1.2	.04
06:00	2.8	1.7	2.4	2.8	2.0	3.2	-5.3	-1.4	-.22
07:00	2.7	1.2	1.9	2.7	1.6	3.1	.1	.0	-.02
08:00	2.1	1.2	2.1	2.3	1.8	2.7	-.7	1.2	-.05
09:00	4.9	2.8	4.2	5.1	3.3	5.6	3.1	1.6	.07
10:00	5.2	3.6	5.0	5.5	4.4	6.1	-.7	5.5	-.22
11:00	5.7	5.1	5.7	5.9	5.7	6.5	-.8	-.9	-.11
12:00	5.6	5.1	5.7	6.1	5.9	6.8	1.7	2.1	.09
13:00	5.8	4.6	5.5	6.2	5.3	6.8	1.1	.6	-.04
14:00	4.3	3.5	4.5	5.0	4.3	5.8	-2.6	-1.2	-.21
15:00	2.9	3.0	3.3	3.6	3.7	4.3	-5.0	1.2	-.40
16:00	3.4	3.2	4.0	4.4	3.9	5.0	.1	2.8	.03
17:00	5.5	2.0	4.6	5.7	2.5	6.1	2.6	.4	-.08
18:00	6.5	1.6	5.0	6.5	2.2	6.9	-.2	-1.5	-.14
19:00	6.7	2.3	4.8	6.7	2.6	7.2	-5.6	-1.6	-.32
20:00	4.6	1.5	3.2	4.7	1.9	5.0	2.5	1.0	.06
21:00	5.8	1.6	3.6	5.8	1.8	6.2	-.1	-1.3	-.08
22:00	3.9	.8	2.0	4.0	1.3	4.3	3.4	-1.1	.07
23:00	4.8	1.2	2.6	4.8	1.5	5.1	1.8	-1.3	.03
Avg	.0	2.2	3.3	4.2	2.7	4.6	.0	.4	-.07
Max	6.7	5.1	5.7	6.7	5.9	7.2	3.4	5.5	.09
Hr. of Max	19	12	12	19	12	19	22	10	12
Min	.7	.4	.2	.7	.9	1.3	-5.6	-1.6	-.40
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/18/2014

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	3.0	5.5	7.6	3.5	7.8	8.9	8.7
01:00	-.03	3.9	4.6	8.2	4.8	7.3	12.3	19.5
02:00	.19	3.4	5.3	9.4	4.6	9.1	9.0	11.4
03:00	.12	3.0	6.9	8.0	3.3	5.4	9.0	10.3
04:00	.01	1.4	1.6	2.5	1.8	2.7	8.1	9.8
05:00	-.05	2.5	3.0	3.4	3.0	3.7	11.0	4.9
06:00	-.08	4.6	4.8	4.8	3.5	5.1	9.2	4.9
07:00	.00	2.5	4.4	5.0	2.9	5.4	7.8	3.7
08:00	.02	7.1	6.9	7.1	7.3	7.7	20.5	14.4
09:00	.02	8.9	10.1	10.8	10.2	11.5	24.1	15.4
10:00	.36	16.3	14.2	19.0	11.7	11.1	21.9	18.9
11:00	-.18	10.1	10.8	16.0	12.3	12.2	17.6	17.7
12:00	.17	11.9	12.6	14.0	12.7	12.9	19.0	19.7
13:00	.00	13.7	13.1	13.5	15.5	15.2	20.2	19.1
14:00	.02	8.9	10.8	11.7	12.9	12.2	23.4	23.2
15:00	-.01	8.7	9.2	10.3	9.7	10.9	25.1	29.3
16:00	.22	8.2	9.2	11.4	11.1	10.2	22.2	22.5
17:00	-.08	6.2	8.9	9.6	7.2	10.1	25.3	10.2
18:00	-.20	5.3	17.2	14.2	6.0	10.7	23.1	5.3
19:00	-.22	7.8	10.3	13.3	6.4	10.7	11.7	4.6
20:00	.07	4.8	6.4	10.8	4.4	7.8	8.4	4.0
21:00	-.15	5.5	7.1	10.8	4.8	7.8	10.3	2.2
22:00	-.08	2.1	5.7	9.8	3.1	6.1	7.0	2.6
23:00	-.13	2.5	4.4	6.9	3.1	7.7	8.0	2.7
Avg	.00	6.3	8.0	9.9	6.9	8.8	15.1	11.9
Max	.36	16.3	17.2	19.0	15.5	15.2	25.3	29.3
Hr. of Max	10	10	18	10	13	13	17	15
Min	-.22	1.4	1.6	2.5	1.8	2.7	7.0	2.2
Count	24	24	24	24	24	24	24	24
Total								