Date Printed: 02/01/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

1/31/2015

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	-2.3	-.3	-.1	.1	1.94	2.17	2.35	.23	.41
01:00	-3.0	-.8	-.6	-.3	2.17	2.43	2.66	.26	.49
02:00	-3.5	-1.3	-1.1	-.8	2.15	2.38	2.63	.22	.48
03:00	-4.5	-1.9	-1.5	-1.2	2.51	2.97	3.21	.46	.70
04:00	-5.6	-3.1	-2.4	-1.7	2.48	3.22	3.89	.74	1.41
05:00	-5.9	-3.8	-2.8	-2.0	2.14	3.11	3.88	.97	1.74
06:00	-5.9	-4.1	-3.6	-2.8	1.77	2.27	3.11	.50	1.34
07:00	-6.2	-4.2	-3.9	-2.9	1.95	2.29	3.25	.34	1.30
08:00	-4.2	-3.8	-3.3	-2.9	.39	.86	1.30	.47	.91
09:00	-2.1	-2.2	-2.3	-2.4	-.12	-.27	-.30	-.14	-.18
10:00	-.1	-.3	-.7	-.9	-.25	-.60	-.81	-.35	-.56
11:00	2.4	1.5	1.3	1.1	-.89	-1.15	-1.36	-.26	-.47
12:00	4.4	3.6	3.3	3.1	-.81	-1.13	-1.32	-.32	-.52
13:00	5.5	4.9	4.6	4.5	-.58	-.86	-.96	-.28	-.38
14:00	6.7	6.1	5.8	5.7	-.68	-.90	-1.01	-.22	-.33
15:00	7.5	6.8	6.6	6.5	-.62	-.87	-1.01	-.25	-.39
16:00	7.3	7.1	6.9	6.8	-.16	-.38	-.50	-.22	-.33
17:00	6.6	6.7	6.6	6.6	.07	-.05	-.06	-.12	-.13
18:00	5.2	6.1	6.2	6.2	.85	.95	1.00	.10	.15
19:00	4.6	5.4	5.6	5.9	.85	1.08	1.39	.23	.54
20:00	3.5	5.0	5.2	5.4	1.50	1.72	1.85	.21	.35
21:00	3.2	4.6	4.9	5.1	1.34	1.62	1.86	.28	.52
22:00	3.1	4.2	4.4	4.8	1.12	1.33	1.70	.21	.58
23:00	2.7	3.8	4.1	4.6	1.06	1.41	1.82	.35	.76
Avg	.8	1.7	1.8	2.0	.84	.98	1.19	.14	.35
Max	7.5	7.1	6.9	6.8	2.51	3.22	3.89	.97	1.74
Hr. of Max	15	16	16	16	03	04	04	05	05
Min	-6.2	-4.2	-3.9	-2.9	-.89	-1.15	-1.36	-.35	-.56
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/31/2015

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	-7.5	-8.6	-5.7	5.1	68.0	54.2	2.8	2.6	0.002186
01:00	-7.7	-9.1	-6.1	4.9	70.6	53.7	2.8	2.5	0.002152
02:00	-7.8	-9.4	-6.3	4.7	72.6	54.6	2.7	2.4	0.00213
03:00	-7.8	-9.1	-6.7	4.6	77.9	58.4	2.7	2.5	0.002129
04:00	-8.0	-8.5	-7.2	4.4	83.7	66.9	2.7	2.6	0.0021
05:00	-8.0	-8.4	-7.3	4.3	85.6	70.9	2.7	2.6	0.002093
06:00	-8.2	-8.1	-7.4	4.2	84.0	73.8	2.7	2.7	0.002063
07:00	-8.1	-7.9	-7.5	4.0	86.4	76.1	2.7	2.7	0.002075
08:00	-6.7	-7.8	-5.9	3.9	82.9	74.3	3.0	2.7	0.002311
09:00	-6.2	-7.0	-4.8	3.8	73.9	69.9	3.1	2.9	0.002411
10:00	-6.9	-7.7	-4.6	3.7	60.6	57.8	2.9	2.7	0.002293
11:00	-8.3	-9.7	-4.7	3.7	45.8	43.8	2.6	2.3	0.002063
12:00	-10.4	-11.3	-5.5	3.7	33.7	33.1	2.2	2.0	0.00176
13:00	-12.2	-13.1	-6.3	3.8	27.0	26.2	1.9	1.8	0.001526
14:00	-12.3	-13.4	-6.0	4.1	24.7	23.8	1.9	1.7	0.001521
15:00	-13.9	-15.0	-6.8	4.4	20.8	19.8	1.7	1.5	0.001349
16:00	-12.1	-13.3	-5.6	4.6	24.2	22.3	1.9	1.7	0.001549
17:00	-9.1	-10.7	-3.8	4.8	32.2	28.2	2.4	2.1	0.001967
18:00	-6.9	-9.6	-2.9	5.0	41.6	31.9	2.9	2.3	0.002305
19:00	-6.5	-9.4	-2.8	5.0	45.1	34.1	3.0	2.4	0.002385
20:00	-5.2	-9.8	-2.3	5.1	53.2	33.7	3.3	2.3	0.002616
21:00	-5.4	-9.6	-2.5	5.1	53.7	35.5	3.2	2.3	0.002587
22:00	-5.4	-8.2	-2.6	5.0	54.3	40.6	3.2	2.6	0.002586
23:00	-4.8	-7.6	-2.3	5.0	58.0	43.7	3.4	2.7	0.002699
Avg	-8.1	-9.7	-5.2	4.5	56.7	47.0	2.7	2.4	0.002119
Max	-4.8	-7.0	-2.3	5.1	86.4	76.1	3.4	2.9	0.002699
Hr. of Max	23	09	23	21	07	07	23	09	23
Min	-13.9	-15.0	-7.5	3.7	20.8	19.8	1.7	1.5	0.001349
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/31/2015

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	0.002011	3.5	3.2	.00	29.48	998.3	-2.4	.00	59.8
01:00	0.001926	3.4	3.1	.00	29.48	998.4	-2.3	.00	39.1
02:00	0.001886	3.4	3.0	.00	29.48	998.3	-2.6	.00	46.7
03:00	0.001926	3.4	3.1	.00	29.47	998.0	-2.3	.00	29.2
04:00	0.002025	3.4	3.2	.00	29.46	997.6	-2.5	.00	253.7
05:00	0.002039	3.3	3.3	.00	29.45	997.5	-2.8	.00	5.7
06:00	0.002075	3.3	3.3	.00	29.45	997.3	-2.4	.00	64.5
07:00	0.002119	3.3	3.4	.00	29.47	997.9	3.1	.00	343.6
08:00	0.002134	3.7	3.4	.00	29.47	998.1	43.7	.06	66.0
09:00	0.002262	3.9	3.6	.00	29.49	998.5	121.5	.17	135.0
10:00	0.002144	3.7	3.4	.00	29.49	998.7	237.5	.34	38.3
11:00	0.001855	3.3	3.0	.00	29.49	998.6	605.5	.87	91.5
12:00	0.001634	2.8	2.6	.00	29.46	997.5	589.9	.85	89.4
13:00	0.001418	2.4	2.3	.00	29.43	996.6	411.9	.59	73.2
14:00	0.001397	2.4	2.2	.00	29.42	996.3	405.7	.58	219.1
15:00	0.00123	2.2	2.0	.00	29.40	995.8	385.3	.55	130.1
16:00	0.00141	2.5	2.3	.00	29.39	995.2	106.1	.15	175.4
17:00	0.001734	3.1	2.8	.00	29.38	995.0	35.5	.05	226.0
18:00	0.001878	3.7	3.0	.00	29.38	995.1	-1.2	.00	233.5
19:00	0.001913	3.8	3.1	.00	29.38	994.9	-2.3	.00	245.3
20:00	0.001841	4.2	2.9	.00	29.37	994.7	-2.2	.00	276.5
21:00	0.001881	4.1	3.0	.00	29.36	994.2	-2.5	.00	313.7
22:00	0.002097	4.1	3.3	.00	29.35	993.8	-2.4	.00	221.5
23:00	0.002194	4.3	3.5	.00	29.35	993.8	-2.0	.00	313.0
Avg	0.001876	3.4	3.0	.00	29.43	996.7	121.5	.18	45.0
Max	0.002262	4.3	3.6	.00	29.49	998.7	605.5	.87	343.6
Hr. of Max	09	23	09	23	11	10	11	11	07
Min	0.00123	2.2	2.0	.00	29.35	993.8	-2.8	.00	5.7
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/31/2015

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	59.7	54.2	63.4	51.2	24.0	11.9	6.9	1.5	4.6
01:00	58.7	59.5	42.7	56.6	20.4	10.1	6.3	1.5	4.7
02:00	52.0	64.5	51.2	61.6	18.6	7.1	5.5	1.1	4.0
03:00	59.8	75.8	32.9	73.0	33.4	12.4	9.2	1.1	2.7
04:00	27.4	43.8	252.3	40.2	26.0	39.7	8.0	.6	.7
05:00	21.5	40.0	7.2	36.2	37.4	15.1	5.5	.4	1.6
06:00	62.0	51.6	71.9	48.5	20.3	11.4	5.6	1.1	3.5
07:00	55.1	61.8	18.6	61.8	54.2	51.3	20.8	.2	1.5
08:00	48.4	60.9	72.4	58.3	35.6	8.3	6.3	.5	2.0
09:00	33.3	57.8	192.1	54.1	51.1	60.5	41.6	.2	.8
10:00	45.9	51.7	38.9	48.4	32.4	18.8	11.7	2.0	3.7
11:00	82.4	73.5	94.7	70.9	19.4	23.8	24.3	4.7	4.5
12:00	88.2	83.7	91.1	80.9	24.5	19.9	19.7	3.8	4.0
13:00	87.0	114.4	88.0	104.1	63.2	62.8	62.6	.8	1.0
14:00	228.4	229.1	225.6	231.2	38.8	29.9	24.7	2.5	3.0
15:00	142.1	155.3	139.1	156.2	32.5	37.8	40.2	1.7	1.5
16:00	190.2	199.0	182.0	200.2	21.9	24.8	29.2	1.4	1.4
17:00	242.6	255.0	231.8	256.4	25.4	12.2	18.9	1.8	2.4
18:00	262.7	282.7	235.5	285.0	41.6	30.6	30.4	.4	.4
19:00	248.2	235.8	248.1	238.1	34.9	28.6	36.8	2.3	2.6
20:00	248.5	226.0	276.9	228.6	34.1	19.0	23.1	.8	1.4
21:00	12.8	13.2	295.6	17.4	50.0	40.5	43.3	.2	.5
22:00	143.8	112.3	223.6	109.3	37.2	38.9	31.5	.6	.4
23:00	337.0	312.0	295.9	309.9	42.7	24.2	24.6	.4	1.3
Avg	57.0	66.0	60.0	61.0	34.2	26.7	22.4	.0	.0
Max	337.0	312.0	295.9	309.9	63.2	62.8	62.6	4.7	4.7
Hr. of Max	23	23	23	23	13	13	13	11	01
Min	12.8	13.2	7.2	17.4	18.6	7.1	5.5	.2	.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/31/2015

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	7.2	1.6	4.7	7.3	2.1	7.7	-.6	-.7	-.07
01:00	6.9	1.6	4.8	6.9	2.0	7.3	-3.5	-.7	-.18
02:00	5.5	1.2	4.0	5.5	1.6	5.9	-1.5	-1.0	-.08
03:00	4.4	1.2	2.8	4.4	1.5	4.8	.8	-.5	-.02
04:00	2.7	.6	.8	2.8	1.2	3.1	.9	-.4	.02
05:00	2.8	.5	1.8	2.8	1.0	3.1	3.4	.9	.07
06:00	5.3	1.2	3.6	5.4	1.6	5.7	-.2	-.9	-.05
07:00	2.2	.6	1.6	2.2	1.0	2.6	1.8	-1.0	.02
08:00	3.0	.5	2.1	3.1	.9	3.4	1.7	-1.1	.02
09:00	1.5	.5	1.0	1.7	1.2	2.2	5.7	1.9	.18
10:00	4.4	2.2	3.9	4.5	2.9	5.0	.4	-2.2	-.16
11:00	4.9	4.9	4.9	5.2	5.5	5.8	.2	3.4	.01
12:00	4.0	4.1	4.3	4.2	4.6	4.8	-2.3	-6.8	-.17
13:00	1.1	2.4	2.2	2.3	2.9	3.0	2.6	8.7	.11
14:00	3.3	3.1	3.4	3.7	3.8	4.4	-2.4	-3.9	-.12
15:00	1.2	2.2	2.1	1.7	2.8	2.5	-1.3	-6.6	.00
16:00	1.3	1.8	1.7	1.6	2.3	2.1	3.1	1.1	.08
17:00	2.1	1.9	2.5	2.3	2.4	2.6	.1	-1.2	-.02
18:00	.2	1.8	2.6	2.6	2.2	3.0	-.8	1.0	-.03
19:00	2.2	2.8	3.0	2.7	3.3	3.1	-1.1	.5	-.10
20:00	1.9	1.1	1.6	2.0	1.6	2.3	.4	.6	.00
21:00	.2	.5	.7	.8	.9	1.3	1.3	.9	.02
22:00	1.3	1.5	2.2	2.4	1.9	2.9	.1	.0	-.05
23:00	1.4	1.2	2.3	2.1	1.7	2.5	1.7	2.2	.02
Avg	.0	1.7	2.7	3.3	2.2	3.8	.4	-.2	-.02
Max	7.2	4.9	4.9	7.3	5.5	7.7	5.7	8.7	.18
Hr. of Max	00	11	11	00	11	00	09	13	09
Min	.2	.5	.7	.8	.9	1.3	-3.5	-6.8	-.18
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/31/2015

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	-.12	5.5	8.7	10.8	6.7	12.1	14.6	4.8
01:00	-.10	3.9	8.5	13.7	5.2	10.8	13.3	4.1
02:00	-.11	5.3	11.7	14.2	4.1	10.0	14.2	4.3
03:00	-.07	4.4	6.2	9.8	4.2	8.5	9.6	4.7
04:00	-.02	2.1	3.9	8.2	2.7	5.7	7.1	3.9
05:00	.06	1.6	3.2	5.0	2.2	5.4	7.4	3.7
06:00	-.12	3.9	7.1	9.6	5.1	10.2	11.0	4.3
07:00	-.03	2.7	8.2	4.8	2.9	5.0	11.7	7.5
08:00	-.08	2.1	3.7	4.6	2.6	5.1	10.6	3.3
09:00	.12	3.0	4.8	6.2	3.8	6.4	21.1	14.2
10:00	-.23	6.4	7.6	8.5	7.5	9.0	24.6	12.0
11:00	.21	11.4	11.2	11.2	12.0	11.5	15.2	20.1
12:00	-.57	10.3	10.1	12.8	10.6	11.0	20.7	20.5
13:00	.47	14.4	12.4	9.2	9.2	8.7	26.8	33.0
14:00	-.26	8.0	7.6	7.8	12.3	8.8	20.4	25.2
15:00	-.28	5.5	5.7	5.5	6.2	7.5	24.4	33.8
16:00	.03	5.5	3.9	3.7	4.8	4.3	16.2	22.9
17:00	-.04	4.6	5.3	5.3	5.1	5.7	7.9	5.5
18:00	.03	6.0	7.8	6.6	5.4	7.0	9.3	5.3
19:00	.03	6.0	7.6	6.9	6.8	6.0	8.4	8.6
20:00	.03	2.7	3.2	4.4	3.3	4.3	5.9	4.9
21:00	.01	2.3	2.1	1.6	2.5	2.1	6.8	6.9
22:00	-.02	5.0	4.8	5.7	5.3	6.2	7.7	5.5
23:00	.09	5.5	8.5	5.7	5.4	6.2	9.7	11.5
Avg	-.04	5.3	6.8	7.6	5.7	7.4	13.5	11.3
Max	.47	14.4	12.4	14.2	12.3	12.1	26.8	33.8
Hr. of Max	13	13	13	02	14	00	13	15
Min	-.57	1.6	2.1	1.6	2.2	2.1	5.9	3.3
Count	24	24	24	24	24	24	24	24
Total								