Date Printed: 05/01/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/30/2015

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	10.4	12.1	12.8	13.8	1.75	2.43	3.45	.68	1.70
01:00	9.1	10.9	11.7	13.0	1.79	2.59	3.91	.80	2.12
02:00	8.1	9.9	10.7	11.7	1.75	2.55	3.59	.80	1.83
03:00	7.3	8.9	9.5	10.6	1.67	2.26	3.34	.60	1.68
04:00	6.7	8.4	8.9	10.1	1.73	2.28	3.48	.55	1.74
05:00	6.1	7.9	8.6	10.5	1.78	2.45	4.34	.68	2.57
06:00	5.7	7.3	8.3	9.7	1.60	2.61	3.99	1.01	2.39
07:00	6.9	7.6	8.3	9.5	.78	1.48	2.69	.71	1.92
08:00	9.2	9.1	9.5	10.0	-.09	.28	.88	.37	.97
09:00	13.5	13.1	12.9	12.8	-.39	-.59	-.66	-.20	-.27
10:00	17.5	16.8	16.5	16.4	-.67	-.95	-1.07	-.28	-.40
11:00	18.5	17.9	17.7	17.5	-.58	-.84	-1.00	-.26	-.42
12:00	18.6	18.0	17.8	17.7	-.56	-.80	-.91	-.24	-.35
13:00	19.7	19.1	18.8	18.6	-.64	-.94	-1.09	-.30	-.44
14:00	19.9	19.2	18.9	18.8	-.69	-.97	-1.12	-.28	-.43
15:00	18.1	17.8	17.5	17.4	-.33	-.60	-.74	-.26	-.41
16:00	15.1	14.8	14.6	14.5	-.24	-.48	-.58	-.24	-.34
17:00	13.0	12.8	12.6	12.6	-.20	-.38	-.42	-.18	-.23
18:00	12.5	12.3	12.2	12.2	-.18	-.33	-.31	-.16	-.14
19:00	12.6	12.5	12.4	12.4	-.12	-.24	-.25	-.13	-.13
20:00	11.3	12.0	12.1	12.3	.68	.83	.95	.15	.27
21:00	9.3	10.8	12.0	12.3	1.43	2.69	3.01	1.26	1.58
22:00	10.8	11.1	11.1	11.1	.29	.24	.28	-.04	-.01
23:00	9.0	9.6	9.6	9.8	.65	.67	.85	.02	.20
Avg	12.0	12.5	12.7	13.1	.47	.68	1.11	.21	.64
Max	19.9	19.2	18.9	18.8	1.79	2.69	4.34	1.26	2.57
Hr. of Max	14	14	14	14	01	21	05	21	05
Min	5.7	7.3	8.3	9.5	-.69	-.97	-1.12	-.30	-.44
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/30/2015

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	8.5	9.1	9.1	16.7	89.2	82.7	8.5	8.8	0.007143
01:00	7.5	8.2	8.0	16.5	90.9	84.6	8.0	8.3	0.006674
02:00	6.7	7.8	7.2	16.2	92.1	87.9	7.6	8.1	0.006336
03:00	6.1	7.4	6.5	16.0	93.4	91.2	7.3	7.9	0.006079
04:00	5.6	7.3	6.0	15.7	94.1	93.7	7.1	7.9	0.005865
05:00	5.1	6.9	5.5	15.5	94.2	94.3	6.8	7.7	0.005654
06:00	4.7	6.2	5.0	15.3	94.2	93.3	6.7	7.3	0.005498
07:00	5.9	6.2	6.2	15.0	94.5	91.8	7.2	7.3	0.00597
08:00	7.3	6.9	7.9	14.8	89.1	86.9	7.9	7.6	0.006579
09:00	8.0 D	6.9	9.8 D	14.7	70.7	67.2	8.1 D	7.6	0.006912 D
10:00	6.2	5.2	10.0	14.7	48.5	47.2	7.1	6.7	0.006146
11:00	4.9	4.1	9.5	15.1	41.5	40.6	6.5	6.2	0.005634
12:00	5.4	4.6	9.8	15.6	42.9	41.9	6.8	6.4	0.00584
13:00	4.0	3.3	9.2	16.0	36.1	35.7	6.1	5.8	0.005281
14:00	4.2	3.5	9.4	16.4	36.2	36.0	6.2	5.9	0.005373
15:00	5.1	4.7	9.5	16.8	43.3	43.0	6.6	6.5	0.005726
16:00	6.7	6.5	9.5	17.0	58.3	58.3	7.4	7.3	0.006354
17:00	8.0	7.6	9.7	17.0	72.9	71.8	8.2	8.0	0.006943
18:00	8.7	8.3	10.0	16.9	78.7	77.5	8.6	8.4	0.007263
19:00	8.1	7.7	9.6	16.8	74.9	73.5	8.2	8.0	0.006955
20:00	8.1	7.9	9.2	16.7	81.9	77.3	8.3	8.1	0.006962
21:00	7.5	7.9	8.1	16.5	89.3	84.0	8.0	8.2	0.006635
22:00	4.8	4.3	6.8	16.3	66.9	63.3	6.6	6.3	0.00551
23:00	4.6	4.3	6.0	16.0	74.8	70.3	6.5	6.4	0.005418
Avg	6.3	6.4	8.2	16.0	72.9	70.6	7.3	7.4	0.006198
Max	8.7	9.1	10.0	17.0	94.5	94.3	8.6	8.8	0.007263
Hr. of Max	18	00	18	17	07	05	18	00	18
Min	4.0	3.3	5.0	14.7	36.1	35.7	6.1	5.8	0.005281
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)

4/30/2015

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	0.007441	11.1	11.6	.00	28.89	978.3	-2.2	.00	341.9
01:00	0.007009	10.4	10.9	.00	28.88	978.1	-2.3	.00	277.6
02:00	0.006813	9.9	10.6	.00	28.87	977.7	-2.2	.00	265.9
03:00	0.006645	9.5	10.3	.00	28.86	977.3	-2.1	.00	268.8
04:00	0.006578	9.1	10.2	.00	28.86	977.4	-3.3	.00	302.7
05:00	0.006396	8.8	9.9	.00	28.86	977.5	-2.2	.00	310.6
06:00	0.00608	8.6	9.5	.00	28.87	977.6	.3	.00	293.8
07:00	0.006111	9.3	9.5	.00	28.89	978.2	42.2	.06	228.2
08:00	0.00638	10.2	9.9	.00	28.90	978.7	139.9	.20	206.1
09:00	0.006416	10.8 D	10.0	.00	28.90	978.8	517.1	.74	216.0
10:00	0.005736	9.6	8.9	.00	28.91	978.9	744.6	1.07	256.3
11:00	0.005316	8.8	8.3	.00	28.91	979.1	526.1	.75	272.7
12:00	0.005515	9.1	8.6	.00	28.90	978.8	603.3	.86	270.3
13:00	0.005021	8.2	7.8	.00	28.89	978.2	679.0	.97	272.8
14:00	0.005112	8.4	8.0	.00	28.88	978.0	630.6	.90	290.4
15:00	0.00556	8.9	8.7	.00	28.88	978.0	236.2	.34	344.3
16:00	0.006249	9.9	9.7	.00	28.91	978.9	116.7	.17	351.6
17:00	0.00675	10.8	10.5	.00	28.92	979.5	52.1	.07	316.9
18:00	0.007073	11.3	11.0	.00	28.92	979.5	43.2	.06	231.4
19:00	0.006774	10.8	10.6	.00	28.93	979.9	51.7	.07	245.8
20:00	0.006874	10.9	10.7	.00	28.96	980.9	4.6	.01	290.2
21:00	0.00687	10.4	10.7	.00	29.00	982.1	-2.0	.00	314.9
22:00	0.005308	8.6	8.3	.00	29.03	983.2	-1.9	.00	17.2
23:00	0.00532	8.5	8.3	.00	29.04	983.4	-2.0	.00	28.3
Avg	0.006223	9.7	9.7	.00	28.91	979.1	182.0	.26	286.0
Max	0.007441	11.3	11.6	.00	29.04	983.4	744.6	1.07	351.6
Hr. of Max	00	18	00	23	23	23	10	10	16
Min	0.005021	8.2	7.8	.00	28.86	977.3	-3.3	.00	17.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/30/2015

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	47.5	101.2	346.6	97.4	37.1	30.3	16.2	.4	.7
01:00	190.5	206.5	262.2	209.8	45.1	60.8	34.7	.3	.1
02:00	260.2	217.3	261.3	219.2	54.2	33.0	10.8	.7	.9
03:00	233.7	233.4	269.9	235.1	23.3	18.4	8.6	.7	1.9
04:00	226.8	234.5	302.0	236.0	33.6	13.5	6.3	.4	1.9
05:00	227.7	225.8	302.3	227.4	41.3	28.5	17.5	.3	1.4
06:00	324.4	215.7	280.9	217.4	46.1	31.9	33.9	.3	.2
07:00	235.4	222.4	242.1	224.1	42.9	27.7	22.4	.8	1.5
08:00	217.1	242.8	214.2	243.9	25.7	15.8	18.8	1.7	3.2
09:00	235.6	250.7	220.6	251.6	31.5	25.6	24.6	1.9	2.4
10:00	261.5	261.6	261.2	261.5	39.8	34.6	27.5	3.8	4.8
11:00	281.2	286.1	277.4	284.7	34.9	30.3	27.1	5.1	6.6
12:00	279.9	283.9	275.2	282.3	42.1	33.1	29.9	3.7	4.7
13:00	276.6	279.1	277.8	278.3	36.6	27.6	23.5	5.0	6.5
14:00	298.7	301.8	292.9	299.5	43.4	37.8	32.9	4.2	5.2
15:00	348.5	346.8	346.9	342.3	35.6	26.3	23.4	4.0	6.5
16:00	354.9	352.7	345.9	348.0	43.5	25.3	21.8	4.6	7.1
17:00	319.2	320.1	318.7	315.4	51.3	43.8	40.0	1.1	2.1
18:00	246.7	259.0	236.3	260.0	17.9	15.2	11.6	2.5	4.0
19:00	260.1	267.8	250.6	268.4	23.3	15.9	11.4	2.3	3.6
20:00	292.1	296.3	291.1	293.8	24.5	16.3	13.3	1.6	3.1
21:00	322.3	325.5	313.6	321.0	22.4	17.8	12.9	1.6	3.4
22:00	23.2	24.0	16.9	18.9	37.1	20.5	17.2	2.9	6.4
23:00	42.2	52.0	29.9	47.7	36.6	22.0	21.3	1.6	3.0
Avg	279.0	271.0	287.0	271.0	36.2	27.2	21.2	.0	.0
Max	354.9	352.7	346.9	348.0	54.2	60.8	40.0	5.1	7.1
Hr. of Max	16	16	15	16	02	01	17	11	16
Min	23.2	24.0	16.9	18.9	17.9	13.5	6.3	.3	.1
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)

4/30/2015

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	1.0	.7	.8	1.0	1.0	1.5	1.6	-1.5	.02
01:00	.9	.6	.3	1.1	1.0	1.4	1.8	.3	.04
02:00	1.3	.8	1.2	1.4	1.2	1.8	.1	1.0	-.01
03:00	2.9	.9	1.9	2.9	1.3	3.3	.4	1.6	.01
04:00	3.1	.4	2.0	3.1	.7	3.5	.2	2.2	.00
05:00	1.7	.4	1.5	1.8	.7	2.2	1.2	.3	.02
06:00	1.6	.4	.8	1.8	.9	2.1	1.1	.4	.02
07:00	2.8	1.1	2.0	3.0	1.6	3.4	.4	.5	.01
08:00	3.2	1.9	3.3	3.6	2.5	4.0	-1.7	.7	-.11
09:00	2.9	2.6	3.0	3.5	3.2	4.0	2.4	2.4	.09
10:00	5.2	4.4	5.3	5.7	5.0	6.4	-2.0	-2.6	-.35
11:00	7.9	6.2	7.7	9.1	6.7	9.6	-.5	-1.0	-.33
12:00	5.7	4.7	5.5	6.4	5.2	7.0	-2.3	-3.7	-.38
13:00	7.6	6.1	7.5	8.6	6.6	9.3	-4.4	-3.4	-.76
14:00	5.8	5.4	6.4	7.0	6.0	7.7	-2.5	.0	-.41
15:00	7.7	5.3	8.0	9.3	6.1	9.9	-5.4	-3.2	-.82
16:00	8.3	5.4	7.8	9.0	6.3	9.8	-5.2	-3.8	-.95
17:00	3.2	1.9	3.1	4.3	2.5	4.8	.4	.6	-.13
18:00	4.9	2.7	4.1	5.1	3.1	5.4	.7	.4	-.04
19:00	4.8	2.4	3.7	4.9	2.8	5.2	-.5	-.8	-.08
20:00	4.8	1.8	3.3	4.9	2.1	4.8	-.9	-2.5	-.08
21:00	5.6	2.0	4.0	6.2	2.3	6.2	1.7	-.9	-.03
22:00	8.6	3.8	7.2	9.5	4.3	10.0	-2.5	-1.2	-.39
23:00	3.6	1.8	3.4	4.2	2.2	4.5	-1.8	-1.0	-.16
Avg	.0	2.7	3.9	4.9	3.1	5.3	-.7	-.6	-.20
Max	8.6	6.2	8.0	9.5	6.7	10.0	2.4	2.4	.09
Hr. of Max	22	11	15	22	11	22	09	09	09
Min	.9	.4	.3	1.0	.7	1.4	-5.4	-3.8	-.95
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/30/2015

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	-.02	2.3	3.2	2.7	2.7	3.1	9.3	11.3
01:00	.02	2.1	1.6	3.2	2.5	3.5	9.0	11.2
02:00	.05	2.7	3.2	3.4	3.2	3.8	6.1	4.8
03:00	.09	2.3	3.4	4.1	2.9	4.5	6.5	3.0
04:00	.14	1.8	6.0	5.3	2.6	5.5	9.0	2.8
05:00	.02	1.6	3.0	4.4	2.3	4.3	8.4	7.6
06:00	.02	2.1	2.5	3.4	2.6	3.5	6.9	7.3
07:00	.03	3.4	4.6	6.2	3.6	6.7	9.8	6.7
08:00	.07	5.3	8.7	9.6	5.6	9.9	15.8	9.1
09:00	.14	8.5	9.6	9.4	8.9	9.9	20.9	17.9
10:00	-.43	14.9	15.1	14.4	15.6	16.0	22.3	21.8
11:00	-.50	19.0	22.2	19.9	19.1	23.3	21.0	15.2
12:00	-.55	15.8	16.3	21.3	16.9	16.8	21.7	18.1
13:00	-.90	15.6	17.9	19.2	16.9	20.0	21.9	17.2
14:00	-.29	15.6	18.5	18.5	17.8	19.8	21.9	20.9
15:00	-.71	19.5	20.6	19.5	19.8	20.5	18.8	12.8
16:00	-.95	17.2	21.8	19.2	19.2	21.0	21.1	14.8
17:00	-.32	14.9	14.2	21.3	10.1	14.7	23.0	18.7
18:00	.02	5.7	7.8	8.5	7.4	9.2	13.4	7.0
19:00	-.11	7.6	9.2	11.4	7.4	10.1	14.2	8.1
20:00	-.29	5.7	7.3	9.2	6.8	9.8	13.6	8.8
21:00	-.14	19.5	20.8	26.1	20.6	26.2	12.0	7.6
22:00	-.33	16.9	19.7	34.8	16.6	24.7	20.6	8.6
23:00	-.11	4.6	8.2	13.3	6.2	9.2	17.3	8.2
Avg	-.21	9.4	11.1	12.8	9.9	12.3	15.2	11.2
Max	.14	19.5	22.2	34.8	20.6	26.2	23.0	21.8
Hr. of Max	09	21	11	22	21	21	17	10
Min	-.95	1.6	1.6	2.7	2.3	3.1	6.1	2.8
Count	24	24	24	24	24	24	24	24
Total								