Date Printed: 08/01/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/31/2015

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	19.9	21.5	22.4	23.4	1.64	2.48	3.51	.84	1.87
01:00	19.1	20.5	21.1	21.8	1.42	2.00	2.68	.58	1.25
02:00	18.4	19.7	20.3	21.3	1.23	1.83	2.85	.60	1.62
03:00	17.9	19.2	20.0	21.1	1.31	2.15	3.23	.85	1.93
04:00	17.2	18.8	19.4	20.9	1.54	2.11	3.69	.57	2.15
05:00	16.7	18.2	18.8	20.2	1.43	2.13	3.51	.70	2.08
06:00	16.3	17.7	18.2	19.8	1.40	1.91	3.46	.51	2.06
07:00	16.7	17.9	18.5	19.2	1.14	1.70	2.45	.57	1.31
08:00	20.4	20.3	20.2	20.3	-.06	-.13	-.11	-.07	-.04
09:00	23.5	23.2	23.0	22.9	-.34	-.53	-.59	-.19	-.25
10:00	25.9	25.3	25.0	24.9	-.53	-.85	-1.01	-.31	-.47
11:00	27.3	26.5	26.1	25.8	-.80	-1.21	-1.44	-.41	-.64
12:00	28.1	27.2	26.8	26.5	-.93	-1.37	-1.63	-.44	-.70
13:00	28.7	27.8	27.3	27.1	-.90	-1.33	-1.60	-.43	-.70
14:00	29.3	28.4	28.0	27.7	-.90	-1.37	-1.62	-.47	-.72
15:00	29.6	28.7	28.3	28.1	-.89	-1.29	-1.50	-.40	-.61
16:00	30.0	29.0	28.6	28.4	-.97	-1.38	-1.55	-.41	-.58
17:00	29.8	29.1	28.8	28.7	-.65	-.94	-1.09	-.29	-.44
18:00	29.3	28.9	28.6	28.6	-.40	-.61	-.69	-.22	-.29
19:00	26.5	27.6	27.8	27.9	1.17	1.31	1.46	.15	.30
20:00	23.3	25.4	26.3	26.8	2.10	3.02	3.52	.91	1.42
21:00	21.3	23.8	24.3	24.9	2.47	2.97	3.59	.50	1.12
22:00	19.9	22.3	22.7	23.3	2.39	2.79	3.42	.41	1.03
23:00	19.0	21.2	21.5	22.9	2.20	2.56	3.90	.36	1.70
Avg	23.1	23.7	23.8	24.3	.59	.75	1.19	.16	.60
Max	30.0	29.1	28.8	28.7	2.47	3.02	3.90	.91	2.15
Hr. of Max	16	17	17	17	21	20	23	20	04
Min	16.3	17.7	18.2	19.2	-.97	-1.38	-1.63	-.47	-.72
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/31/2015

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	17.2	16.8	18.1	28.3	86.4	76.0	14.6	14.1	0.012671
01:00	16.7	16.8	17.5	28.1	88.1	80.9	14.2	14.2	0.012292
02:00	16.5	16.6	17.2	27.9	90.5	84.1	14.0	14.0	0.012131
03:00	16.1	16.2	16.7	27.6	91.2	84.4	13.6	13.7	0.011781
04:00	15.6	15.9	16.2	27.4	91.8	84.9	13.3	13.4	0.011416
05:00	15.2	15.5	15.7	27.1	92.6	86.1	13.0	13.1	0.011145
06:00	14.9	15.3	15.3	26.9	92.8	87.5	12.7	13.0	0.010867
07:00	15.3	15.2	15.8	26.6	92.6	85.7	13.0	12.9	0.011152
08:00	16.3	15.3	17.7	26.4	79.4	74.4	13.8	12.9	0.011962
09:00	16.1	15.2	18.5	26.2	64.5	62.4	13.4	12.7	0.011783
10:00	15.4	14.7	18.9	26.0	54.0	53.1	12.8	12.3	0.011365
11:00	14.0	13.1	18.4	26.1	45.2	44.6	11.7	11.0	0.010357
12:00	13.9	13.1	18.6	26.3	42.8	42.9	11.6	11.0	0.010299
13:00	12.9	12.2	18.1	26.6	38.9	39.1	10.8	10.4	0.009667
14:00	12.3	11.9	18.0	27.0	36.1	36.9	10.4	10.2	0.009317
15:00	12.8	12.4	18.4	27.2	36.7	37.4	10.8	10.5	0.009659
16:00	13.5	13.1	19.0	27.3	37.7	38.8	11.3	11.0	0.010105
17:00	13.4	13.2	18.9	27.5	38.0	38.7	11.2	11.1	0.010063
18:00	14.5	14.2	19.4	27.6	41.9	41.8	12.0	11.8	0.010798
19:00	16.0	15.0	19.5	27.7	54.3	47.5	13.3	12.5	0.011814
20:00	16.8	15.4	19.0	27.8	68.7	55.5	14.1	12.8	0.012423
21:00	16.6	15.7	18.2	27.7	76.2	62.2	14.0	13.1	0.012214
22:00	16.4	16.4	17.6	27.6	81.8	71.0	13.8	13.8	0.01203
23:00	16.2	16.4	17.1	27.5	85.8	75.9	13.7	13.8	0.011895
Avg	15.2	14.8	17.8	27.2	67.0	62.2	12.8	12.5	0.011217
Max	17.2	16.8	19.5	28.3	92.8	87.5	14.6	14.2	0.012671
Hr. of Max	00	01	19	00	06	06	00	01	00
Min	12.3	11.9	15.3	26.0	36.1	36.9	10.4	10.2	0.009317
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)

7/31/2015

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	0.01234	19.7	19.2	.00	29.14	987.0	-1.9	.00	298.3
01:00	0.012337	19.1	19.2	.00	29.14	986.8	-2.1	.00	337.4
02:00	0.01218	18.9	18.9	.00	29.13	986.4	-3.6	-.01	334.2
03:00	0.01184	18.3	18.4	.00	29.12	986.2	-3.6	-.01	343.8
04:00	0.011626	17.8	18.1	.00	29.12	986.3	-3.7	-.01	324.0
05:00	0.011343	17.4	17.7	.00	29.13	986.4	-3.6	-.01	295.3
06:00	0.011196	16.9	17.4	.00	29.14	986.7	1.2	.00	322.5
07:00	0.011093	17.4	17.3	.00	29.15	987.0	61.9	.09	16.6
08:00	0.011177	18.6	17.4	.00	29.15	987.3	295.4	.42	86.2
09:00	0.011167	18.4	17.4	.00	29.17	987.7	483.1	.69	61.3
10:00	0.010825	17.7	16.9	.00	29.16	987.6	700.6	1.00	58.7
11:00	0.009753	16.2	15.2	.00	29.16	987.4	875.3	1.25	66.0
12:00	0.00979	16.1	15.3	.00	29.15	987.3	970.0	1.39	62.7
13:00	0.009213	15.1	14.4	.00	29.14	987.0	1011.9	1.45	71.8
14:00	0.009038	14.6	14.1	.00	29.13	986.5	996.9	1.43	45.1
15:00	0.009348	15.1	14.6	.00	29.11	985.8	915.5	1.31	55.5
16:00	0.009836	15.7	15.3	.00	29.09	985.2	706.6	1.01	22.0
17:00	0.009895	15.7	15.4	.00	29.08	984.7	443.6	.64	41.7
18:00	0.01053	16.8	16.4	.00	29.08	984.6	339.8	.49	45.5
19:00	0.011116	18.4	17.3	.00	29.08	984.9	155.7	.22	26.5
20:00	0.011375	19.3	17.7	.00	29.09	985.2	13.3	.02	348.4
21:00	0.011578	19.0	18.0	.00	29.10	985.4	-2.1	.00	6.3
22:00	0.012083	18.7	18.8	.00	29.11	985.9	-3.2	.00	38.7
23:00	0.012049	18.5	18.7	.00	29.12	986.3	-2.3	.00	21.6
Avg	0.010947	17.5	17.0	.00	29.12	986.3	331.0	.47	20.0
Max	0.01234	19.7	19.2	.00	29.17	987.7	1011.9	1.45	348.4
Hr. of Max	00	00	01	23	09	09	13	13	20
Min	0.009038	14.6	14.1	.00	29.08	984.6	-3.7	-.01	6.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/31/2015

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	60.2	50.6	296.3	46.7	23.9	20.5	8.5	.6	.8
01:00	80.1	57.6	342.8	54.5	34.4	8.1	5.5	.4	2.0
02:00	71.4	63.6	336.5	60.4	25.6	13.6	5.3	.6	1.8
03:00	68.1	60.7	356.2	57.1	26.6	12.8	4.3	.7	1.9
04:00	79.2	46.4	326.9	42.2	12.4	7.2	10.1	.5	1.6
05:00	64.5	63.3	287.9	60.3	19.7	13.1	6.8	.4	.7
06:00	65.3	44.9	316.7	40.3	25.6	11.1	7.1	.3	1.2
07:00	66.6	53.1	23.9	49.0	45.9	8.6	5.5	.3	1.5
08:00	73.4	55.2	94.9	53.3	56.5	29.5	19.5	.6	1.3
09:00	64.9	55.2	64.3	52.2	31.8	22.3	20.2	2.4	3.1
10:00	52.7	45.7	60.1	41.5	35.2	26.9	23.4	3.6	5.3
11:00	57.4	54.2	66.9	50.1	31.3	21.1	15.5	5.5	8.3
12:00	52.1	49.0	64.1	45.8	40.3	29.8	22.0	4.4	6.6
13:00	66.7	60.6	74.0	56.5	30.3	24.2	20.1	5.6	7.5
14:00	48.9	45.6	47.8	41.4	36.8	24.6	20.5	4.4	7.1
15:00	49.8	45.8	55.0	41.8	39.2	31.0	24.8	4.1	5.8
16:00	31.2	30.9	21.5	25.5	46.1	29.2	25.7	3.3	5.9
17:00	42.4	42.7	47.2	38.5	48.4	33.5	28.2	2.9	4.9
18:00	47.2	45.4	48.9	41.0	45.2	24.1	17.1	2.2	4.6
19:00	45.9	48.8	27.9	44.1	27.0	10.3	7.2	1.8	4.6
20:00	38.2	41.7	353.3	37.1	21.7	10.4	7.0	1.1	3.0
21:00	60.8	29.2	9.2	24.9	16.5	15.7	15.2	1.4	1.4
22:00	74.1	36.9	43.4	34.1	16.0	10.8	22.9	1.6	1.9
23:00	67.3	55.7	29.9	52.8	22.0	9.8	14.5	1.0	1.4
Avg	59.0	49.0	24.0	45.0	31.6	18.7	14.9	.0	.0
Max	80.1	63.6	356.2	60.4	56.5	33.5	28.2	5.6	8.3
Hr. of Max	01	02	03	02	08	17	17	13	11
Min	31.2	29.2	9.2	24.9	12.4	7.2	4.3	.3	.7
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/31/2015

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	2.9	.7	.8	3.0	.9	3.2	-1.3	1.8	-.03
01:00	3.2	.5	2.1	3.2	.8	3.4	.9	2.2	.01
02:00	3.4	.6	1.8	3.5	.9	3.7	1.2	1.5	.03
03:00	4.0	.8	1.9	4.0	1.1	4.2	2.1	.5	.06
04:00	3.4	.5	1.6	3.5	.7	3.7	.8	1.5	.01
05:00	2.7	.5	.7	2.8	.8	3.0	-.5	.9	-.01
06:00	2.1	.3	1.2	2.1	.6	2.3	1.6	-.4	.02
07:00	3.4	.4	1.5	3.5	.7	3.7	3.0	1.1	.04
08:00	2.0	.7	1.5	2.1	1.1	2.4	3.9	3.9	.08
09:00	3.5	2.7	3.3	3.7	3.0	4.1	-1.9	2.2	-.23
10:00	6.7	4.2	5.8	7.1	4.7	7.6	-2.8	3.3	-.32
11:00	10.9	6.2	8.8	11.3	6.9	11.9	-1.1	1.0	-.42
12:00	8.8	5.3	7.3	9.3	6.3	10.0	.2	4.8	-.21
13:00	9.2	6.4	8.2	9.7	7.0	10.3	-1.8	.4	-.33
14:00	8.5	5.7	8.0	9.3	6.4	9.9	-2.1	.2	-.42
15:00	7.3	5.3	6.7	8.1	6.0	8.8	-3.2	1.2	-.41
16:00	6.8	4.4	6.7	7.5	4.9	8.1	-1.4	-3.8	-.39
17:00	6.0	3.8	5.6	6.7	4.4	7.3	-3.3	5.7	-.46
18:00	6.0	2.7	5.0	6.3	3.3	6.7	1.6	3.1	-.12
19:00	6.4	2.0	4.7	6.5	2.2	6.8	-3.5	-1.8	-.21
20:00	4.5	1.2	3.1	4.6	1.4	4.8	-1.2	2.0	-.04
21:00	2.5	1.5	1.5	2.7	1.6	3.0	1.2	3.2	.03
22:00	1.8	1.6	1.9	2.0	1.7	2.3	.8	-.2	.03
23:00	1.7	1.0	1.4	1.8	1.2	2.0	.0	-.3	-.01
Avg	.0	2.5	3.8	5.2	2.9	5.6	-.3	1.4	-.14
Max	10.9	6.4	8.8	11.3	7.0	11.9	3.9	5.7	.08
Hr. of Max	11	13	11	11	13	11	08	17	08
Min	1.7	.3	.7	1.8	.6	2.0	-3.5	-3.8	-.46
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/31/2015

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	2.1	2.7	9.8	2.1	6.7	7.4	4.6
01:00	.13	1.8	3.2	5.5	2.2	5.5	9.6	3.6
02:00	.10	2.1	3.7	6.4	2.2	5.1	9.9	2.6
03:00	.04	2.5	2.7	6.2	2.7	5.6	10.3	2.7
04:00	.10	1.6	3.4	7.6	1.8	7.7	9.2	4.6
05:00	.05	1.8	4.1	7.8	2.3	4.5	7.2	3.2
06:00	-.01	2.1	2.1	5.5	2.2	3.4	8.1	4.0
07:00	.07	1.8	2.7	5.5	1.9	5.8	10.3	3.1
08:00	.15	3.4	4.1	7.1	3.9	5.4	24.6	16.6
09:00	.04	6.9	7.3	8.5	7.5	9.0	21.8	18.4
10:00	.16	12.1	16.9	20.6	14.4	21.7	21.7	18.0
11:00	.00	15.6	19.7	33.2	17.0	23.4	21.9	13.2
12:00	.45	15.8	19.0	20.8	16.8	19.3	22.0	17.0
13:00	-.04	17.2	23.4	25.9	17.8	19.6	20.0	12.9
14:00	-.12	15.8	22.9	18.1	14.7	18.2	21.0	15.1
15:00	.01	15.1	16.0	16.3	16.6	18.0	20.2	16.2
16:00	-.66	13.7	14.4	15.1	13.1	15.9	24.7	15.3
17:00	.50	14.4	16.7	14.9	15.0	14.6	23.9	17.0
18:00	.18	8.7	12.8	12.6	10.5	13.2	24.9	13.6
19:00	-.25	6.9	11.4	12.6	7.0	12.8	17.5	6.2
20:00	.11	3.7	8.7	14.9	3.7	9.2	9.3	5.2
21:00	.19	3.2	3.0	6.6	3.6	7.5	7.7	8.5
22:00	.01	4.1	3.4	8.9	3.2	5.9	6.3	8.9
23:00	-.02	2.1	3.2	4.6	2.3	3.8	7.2	7.5
Avg	.05	7.3	9.5	12.3	7.7	10.9	15.3	9.9
Max	.50	17.2	23.4	33.2	17.8	23.4	24.9	18.4
Hr. of Max	17	13	13	11	13	11	18	09
Min	-.66	1.6	2.1	4.6	1.8	3.4	6.3	2.6
Count	24	24	24	24	24	24	24	24
Total								