Date Printed: 08/09/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/8/2015

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	19.6	20.3	20.7	21.4	.65	1.09	1.78	.43	1.13
01:00	19.1	19.9	20.3	20.7	.78	1.13	1.54	.36	.76
02:00	18.8	19.7	20.0	20.3	.92	1.24	1.57	.31	.65
03:00	18.5	19.3	19.5	19.9	.88	1.08	1.40	.20	.52
04:00	18.4	18.9	19.2	19.5	.56	.85	1.16	.29	.59
05:00	18.7	19.2	19.2	19.4	.42	.51	.70	.09	.28
06:00	18.7	19.3	19.2	19.2	.56	.47	.51	-.09	-.05
07:00	18.6	19.3	19.5	19.5	.63	.89	.83	.26	.20
08:00	20.9	20.7	20.5	20.4	-.24	-.39	-.51	-.15	-.27
09:00	23.4	22.9	22.6	22.5	-.45	-.71	-.84	-.26	-.39
10:00	24.7	24.1	23.8	23.7	-.58	-.88	-1.01	-.30	-.43
11:00	26.1	25.4	25.1	25.0	-.68	-.99	-1.08	-.31	-.40
12:00	27.3	26.6	26.2	26.1	-.71	-1.05	-1.20	-.34	-.49
13:00	28.5	27.6	27.3	27.1	-.92	-1.23	-1.36	-.31	-.44
14:00	29.3	28.5	28.2	28.1	-.81	-1.09	-1.22	-.28	-.40
15:00	29.9	29.2	28.9	28.8	-.71	-.98	-1.12	-.27	-.41
16:00	29.8	29.4	29.2	29.1	-.45	-.62	-.72	-.17	-.27
17:00	30.2	29.7	29.5	29.4	-.44	-.67	-.80	-.24	-.36
18:00	29.1	29.2	29.2	29.3	.08	.12	.20	.04	.12
19:00	26.5	27.7	28.4	28.8	1.18	1.97	2.36	.79	1.18
20:00	24.4	25.5	26.4	27.0	1.16	1.97	2.61	.81	1.45
21:00	23.1	24.5	24.8	25.2	1.47	1.75	2.13	.28	.66
22:00	22.4	23.4	24.2	24.7	1.03	1.80	2.24	.77	1.21
23:00	21.6	22.8	23.3	24.0	1.16	1.68	2.38	.52	1.22
Avg	23.7	23.9	24.0	24.1	.23	.33	.48	.10	.25
Max	30.2	29.7	29.5	29.4	1.47	1.97	2.61	.81	1.45
Hr. of Max	17	17	17	17	21	20	20	20	20
Min	18.4	18.9	19.2	19.2	-.92	-1.23	-1.36	-.34	-.49
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/8/2015

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	18.4	19.2	18.8	26.5	95.1	95.6	15.8	16.4	0.013777
01:00	18.0	19.0	18.4	26.4	95.3	96.7	15.4	16.3	0.013413
02:00	17.7	18.8	18.1	26.2	95.4	97.0	15.1	16.1	0.013131
03:00	17.4	18.6	17.8	26.1	95.5	97.3	14.8	15.9	0.012887
04:00	17.3	18.2	17.7	25.9	95.7	97.4	14.8	15.5	0.012835
05:00	17.7	18.4	18.1	25.7	95.8	97.3	15.1	15.7	0.013143
06:00	17.7	18.3	18.0	25.6	95.6	96.0	15.0	15.6	0.013093
07:00	17.7	18.2	18.0	25.4	96.2	95.4	15.1	15.5	0.013103
08:00	18.7	18.1	19.5	25.3	89.5	87.4	16.0	15.4	0.014026
09:00	19.4	18.8	20.7	25.2	80.5	79.6	16.5	16.0	0.014646
10:00	19.8	19.2	21.4	25.1	76.0	75.8	16.9	16.3	0.015013
11:00	19.6	18.9	21.8	25.1	69.3	68.8	16.6	15.9	0.01488
12:00	19.3	18.7	21.9	25.3	63.3	63.5	16.2	15.7	0.01456
13:00	19.0	18.2	22.2	25.6	58.3	58.1	16.0	15.2	0.014388
14:00	18.6	18.1	22.2	25.9	54.3	54.9	15.5	15.0	0.014032
15:00	18.5	18.0	22.3	26.2	51.9	52.5	15.4	15.0	0.013911
16:00	18.8	18.2	22.5	26.5	53.3	52.7	15.7	15.2	0.014219
17:00	18.9	18.2	22.7	26.7	52.5	51.4	15.8	15.1	0.014291
18:00	20.8	19.2	23.6	26.8	63.1	56.7	17.8	16.1	0.016108
19:00	21.4	20.2	23.1	27.0	76.0	65.7	18.5	17.1	0.016658
20:00	21.2	20.8	22.2	27.1	84.7	77.2	18.4	17.9	0.016395
21:00	20.8	21.3	21.6	27.1	89.4	84.6	18.0	18.5	0.016009
22:00	20.7	20.9	21.2	27.0	92.1	88.2	17.9	18.2	0.015826
23:00	20.0	20.5	20.6	26.9	92.9	89.2	17.3	17.7	0.015204
Avg	19.1	19.0	20.6	26.1	79.7	78.3	16.2	16.1	0.014398
Max	21.4	21.3	23.6	27.1	96.2	97.4	18.5	18.5	0.016658
Hr. of Max	19	21	18	21	07	04	19	21	19
Min	17.3	18.0	17.7	25.1	51.9	51.4	14.8	15.0	0.012835
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/8/2015

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	0.014419	21.3	22.2	.00	29.00	982.0	-2.5	.00	276.1
01:00	0.014282	20.7	22.0	.00	28.99	981.9	-2.8	.00	284.1
02:00	0.014137	20.3	21.8	.00	28.99	981.7	-1.7	.00	317.7
03:00	0.013878	19.9	21.4	.00	28.99	981.7	-1.7	.00	267.6
04:00	0.013525	19.9	20.9	.00	28.99	981.8	-2.5	.00	240.8
05:00	0.013705	20.3	21.2	.00	29.00	982.0	-3.4	.00	350.6
06:00	0.013613	20.3	21.0	.00	29.02	982.6	-.7	.00	46.1
07:00	0.013504	20.3	20.9	.00	29.04	983.5	49.1	.07	22.1
08:00	0.013491	21.7	20.9	.00	29.04	983.6	265.1	.38	87.1
09:00	0.014098	22.6	21.8	.00	29.04	983.4	448.1	.64	81.3
10:00	0.014456	23.2	22.3	.00	29.05	983.9	546.5	.78	92.1
11:00	0.014177	23.0	21.9	.00	29.05	983.8	658.3	.94	100.1
12:00	0.014002	22.5	21.7	.00	29.04	983.6	772.3	1.11	83.8
13:00	0.013589	22.2	21.0	.00	29.04	983.6	979.2	1.40	118.8
14:00	0.013529	21.7	20.9	.00	29.04	983.4	867.6	1.24	329.9
15:00	0.013499	21.5	20.9	.00	29.03	983.1	784.0	1.12	11.0
16:00	0.013697	22.0	21.2	.00	29.02	982.9	472.2	.68	8.9
17:00	0.013651	22.1	21.1	.00	29.02	982.7	364.6	.52	1.3
18:00	0.014581	24.8	22.5	.00	29.02	982.7	278.8	.40	285.0
19:00	0.015417	25.6	23.8	.00	29.02	982.8	78.5	.11	296.4
20:00	0.016019	25.2	24.7	.00	29.03	983.1	7.7	.01	311.0
21:00	0.016535	24.7	25.5	.00	29.03	983.3	-2.4	.00	13.1
22:00	0.01612	24.4	24.9	.00	29.06	984.1	-2.6	.00	339.4
23:00	0.015662	23.5	24.2	.00	29.07	984.4	-2.0	.00	358.2
Avg	0.014316	22.2	22.1	.00	29.03	983.0	272.9	.39	356.0
Max	0.016535	25.6	25.5	.00	29.07	984.4	979.2	1.40	358.2
Hr. of Max	21	19	21	23	23	23	13	13	23
Min	0.013491	19.9	20.9	.00	28.99	981.7	-3.4	.00	1.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/8/2015

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	216.9	331.3	267.3	318.6	21.5	52.6	67.0	.8	.9
01:00	105.0	273.5	273.2	272.0	27.0	45.9	29.7	.6	.1
02:00	80.8	27.7	304.4	37.7	34.1	18.7	46.5	.3	.4
03:00	136.6	171.0	257.7	182.4	43.0	43.6	47.8	.3	.4
04:00	185.1	219.4	242.1	218.3	18.4	20.8	26.3	.7	1.0
05:00	81.2	31.7	330.7	26.7	34.2	19.5	35.3	.2	.3
06:00	45.3	6.6	45.6	1.6	26.0	17.9	17.8	1.0	1.7
07:00	52.1	56.0	21.1	51.4	19.5	11.2	8.9	1.5	2.8
08:00	83.2	57.6	92.9	55.8	38.5	28.4	34.4	1.2	1.6
09:00	74.9	67.2	84.1	64.1	27.1	23.0	20.2	3.4	4.2
10:00	92.1	86.1	95.2	82.9	34.7	26.5	25.4	2.9	3.5
11:00	105.3	94.2	105.8	92.9	36.9	30.0	32.8	2.7	3.2
12:00	86.3	80.0	89.4	76.8	46.9	36.9	32.8	2.1	2.4
13:00	73.8	22.6	133.0	18.5	41.8	38.2	40.0	.7	.6
14:00	3.6	345.3	321.4	345.8	58.0	56.1	53.6	.8	1.3
15:00	24.8	17.0	7.7	12.0	37.8	31.2	26.5	1.7	2.5
16:00	30.3	19.1	9.7	15.9	59.2	59.6	56.2	1.1	1.5
17:00	55.8	43.4	356.1	40.0	63.8	61.8	57.1	.4	1.0
18:00	290.6	283.5	285.5	281.6	21.2	23.6	24.4	1.6	2.5
19:00	309.9	307.0	296.7	303.5	18.1	8.7	4.3	2.0	4.1
20:00	87.5	24.6	308.5	32.2	47.4	52.5	49.4	.6	.4
21:00	68.8	75.5	16.1	72.3	21.8	11.3	7.5	1.3	2.1
22:00	68.3	71.0	339.9	68.4	20.7	9.6	7.3	.8	1.6
23:00	63.8	62.2	7.2	61.4	36.8	14.0	12.1	.6	1.4
Avg	71.0	35.0	351.0	32.0	34.8	30.9	31.8	.0	.0
Max	309.9	345.3	356.1	345.8	63.8	61.8	67.0	3.4	4.2
Hr. of Max	19	14	17	14	17	17	00	09	09
Min	3.6	6.6	7.2	1.6	18.1	8.7	4.3	.2	.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)

8/8/2015

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	.5	1.0	1.1	.9	1.2	1.1	-.7	2.4	-.03
01:00	.6	.7	.5	.7	1.1	1.0	.1	-1.1	.00
02:00	.4	.5	.5	.5	.7	.8	.9	-1.0	.02
03:00	.2	.5	.5	.4	.9	.8	.9	.8	.01
04:00	.9	.7	1.1	1.0	1.3	1.4	2.2	.6	.04
05:00	.4	.4	.3	.5	.8	1.0	3.8	3.3	.06
06:00	2.8	1.0	1.8	2.9	1.3	3.2	1.4	2.1	.01
07:00	3.5	1.6	2.8	3.6	1.8	3.8	-2.7	-1.8	-.12
08:00	1.8	1.4	1.8	2.0	1.8	2.4	4.8	6.9	.13
09:00	4.8	3.7	4.5	5.1	4.3	5.6	2.1	5.3	.07
10:00	3.9	3.5	4.0	4.4	4.0	4.9	2.7	1.9	.12
11:00	3.1	3.2	3.6	3.6	3.9	4.3	3.4	6.5	.17
12:00	2.7	3.0	3.4	3.8	3.7	4.4	3.2	3.1	.12
13:00	.7	2.8	3.2	3.2	3.4	3.8	-1.2	.0	-.08
14:00	1.4	2.0	2.4	2.3	2.6	3.1	-4.3	-4.4	-.21
15:00	2.6	2.6	3.3	3.4	3.1	4.2	-4.1	-10.0	-.29
16:00	1.5	1.8	2.1	2.2	2.3	2.9	1.1	4.3	-.08
17:00	1.4	1.7	2.1	2.3	2.2	2.8	4.1	4.2	.12
18:00	2.4	1.8	2.7	2.7	1.9	2.8	1.7	-1.5	.01
19:00	5.6	2.1	4.2	5.7	2.3	5.4	-2.9	-1.3	-.11
20:00	.7	.7	.9	1.4	1.0	1.6	.6	1.7	.01
21:00	3.4	1.4	2.1	3.4	1.6	3.6	2.6	-.3	.05
22:00	2.5	1.0	1.7	2.5	1.2	2.7	3.6	.2	.09
23:00	1.8	.6	1.4	1.8	.9	2.1	1.9	2.8	.03
Avg	.0	1.7	2.2	2.5	2.1	2.9	1.1	1.0	.01
Max	5.6	3.7	4.5	5.7	4.3	5.6	4.8	6.9	.17
Hr. of Max	19	09	09	19	09	09	08	08	11
Min	.2	.4	.3	.4	.7	.8	-4.3	-10.0	-.29
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/8/2015

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	.06	3.2	3.0	2.7	2.7	2.9	9.1	10.7
01:00	-.03	2.7	2.3	3.0	3.1	3.3	8.1	8.1
02:00	-.01	2.5	3.0	2.3	2.0	2.4	8.6	13.8
03:00	.01	1.8	2.3	2.3	2.4	1.8	7.0	8.8
04:00	.02	2.1	3.7	3.4	2.5	3.9	8.5	12.4
05:00	.07	1.8	2.3	4.4	1.8	4.8	12.0	12.0
06:00	.11	3.7	3.7	6.0	3.7	5.4	17.6	9.9
07:00	-.14	3.7	5.7	7.3	3.8	6.7	11.4	4.5
08:00	.22	5.5	9.4	8.9	5.5	9.2	23.6	24.1
09:00	.35	9.6	10.1	11.7	9.7	11.9	19.7	19.4
10:00	.13	9.4	12.6	14.9	9.9	10.2	19.3	20.7
11:00	.46	11.0	9.8	8.2	9.7	9.0	22.7	24.3
12:00	.32	11.4	12.6	12.6	10.8	11.2	23.8	25.5
13:00	-.03	6.6	6.9	7.6	7.9	7.8	24.1	26.7
14:00	-.28	9.2	12.6	11.2	7.9	8.8	31.3	35.7
15:00	-.79	10.3	10.8	8.5	12.0	10.8	26.2	25.0
16:00	.00	8.2	8.0	8.0	6.9	6.8	26.2	32.5
17:00	.18	7.1	7.8	7.3	8.0	8.0	27.1	29.1
18:00	-.11	4.8	5.5	6.2	5.1	6.6	18.5	15.1
19:00	-.15	6.4	9.6	9.2	5.5	7.2	8.7	3.8
20:00	.07	1.8	6.0	11.2	2.2	5.9	12.0	16.3
21:00	-.02	3.4	5.7	7.6	4.2	7.9	10.5	4.4
22:00	.01	2.7	4.1	4.8	3.0	5.3	7.2	4.0
23:00	.10	2.3	4.4	4.1	2.7	3.0	9.7	5.9
Avg	.02	5.5	6.7	7.2	5.5	6.7	16.4	16.4
Max	.46	11.4	12.6	14.9	12.0	11.9	31.3	35.7
Hr. of Max	11	12	14	10	15	09	14	14
Min	-.79	1.8	2.3	2.3	1.8	1.8	7.0	3.8
Count	24	24	24	24	24	24	24	24
Total								