Date Printed: 08/03/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/2/2015

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	18.6	20.1	20.6	21.3	1.56	2.07	2.75	.51	1.19
01:00	18.2	19.5	20.0	20.8	1.36	1.78	2.57	.43	1.22
02:00	17.7	18.8	19.5	20.3	1.15	1.84	2.61	.69	1.46
03:00	17.4	18.6	18.9	19.7	1.26	1.52	2.35	.26	1.09
04:00	17.1	18.2	18.5	19.3	1.15	1.44	2.18	.28	1.03
05:00	16.5	17.7	18.2	18.7	1.17	1.68	2.20	.51	1.03
06:00	16.3	17.4	17.8	18.2	1.14	1.50	1.92	.36	.78
07:00	16.8	17.6	18.1	18.4	.84	1.36	1.64	.53	.80
08:00	19.8	19.7	19.6	19.6	-.11	-.20	-.25	-.10	-.14
09:00	23.1	22.6	22.4	22.3	-.49	-.74	-.82	-.24	-.33
10:00	25.5	24.7	24.4	24.2	-.81	-1.09	-1.25	-.28	-.44
11:00	27.1	26.1	25.8	25.7	-.92	-1.23	-1.38	-.31	-.46
12:00	28.7	27.6	27.2	27.0	-1.16	-1.55	-1.74	-.39	-.59
13:00	29.7	28.5	28.2	28.0	-1.19	-1.50	-1.70	-.31	-.51
14:00	30.4	29.2	28.9	28.7	-1.17	-1.48	-1.64	-.31	-.47
15:00	31.2	29.9	29.6	29.4	-1.34	-1.65	-1.82	-.31	-.48
16:00	31.2	30.1	29.8	29.7	-1.09	-1.39	-1.50	-.31	-.41
17:00	31.2	30.3	30.0	29.9	-.86	-1.16	-1.25	-.29	-.39
18:00	29.8	29.8	29.7	29.8	.00	-.04	.02	-.04	.02
19:00	27.0	27.6	29.1	29.4	.66	2.16	2.49	1.50	1.83
20:00	23.2	25.3	26.8	27.3	2.07	3.65	4.12	1.58	2.04
21:00	21.0	23.4	24.2	24.8	2.40	3.21	3.82	.82	1.42
22:00	19.8	21.9	22.5	23.2	2.09	2.65	3.37	.57	1.28
23:00	19.0	20.6	21.2	21.9	1.58	2.27	2.94	.69	1.35
Avg	23.2	23.6	23.8	24.1	.39	.63	.90	.24	.51
Max	31.2	30.3	30.0	29.9	2.40	3.65	4.12	1.58	2.04
Hr. of Max	17	17	17	17	21	20	20	20	20
Min	16.3	17.4	17.8	18.2	-1.34	-1.65	-1.82	-.39	-.59
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)

8/2/2015

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	16.3	17.2	17.1	27.5	88.4	84.9	13.8	14.5	0.01197
01:00	16.3	17.2	16.9	27.3	90.6	87.9	13.8	14.5	0.011969
02:00	16.1	16.9	16.6	27.1	92.0	90.2	13.6	14.3	0.011792
03:00	16.0	17.0	16.5	26.8	93.4	91.8	13.6	14.4	0.011744
04:00	15.8	16.7	16.2	26.6	93.6	92.6	13.4	14.2	0.011547
05:00	15.1	16.4	15.6	26.3	93.4	94.1	12.9	13.9	0.011089
06:00	15.1	16.3	15.5	26.1	94.4	94.6	12.9	13.8	0.011073
07:00	15.5	16.0	15.9	25.9	94.1	91.9	13.2	13.6	0.01138
08:00	16.5	15.8	17.6	25.7	82.8	79.8	13.9	13.3	0.0121
09:00	16.8	15.9	18.9	25.5	69.2	67.4	14.0	13.3	0.012359
10:00	16.8	16.1	19.7	25.4	60.0	60.5	13.9	13.4	0.012377
11:00	16.9	16.3	20.3	25.5	55.2	56.1	14.0	13.5	0.012493
12:00	16.1	15.6	20.3	25.8	47.9	49.5	13.3	12.9	0.011962
13:00	13.5	13.0	18.9	26.3	38.5	39.9	11.3	11.0	0.010168
14:00	14.7	14.6	19.9	26.9	39.8	42.1	12.1	12.1	0.010946
15:00	14.0	13.8	19.7	27.4	36.3	38.5	11.6	11.4	0.010476
16:00	12.8	12.5	18.9	27.6	33.4	34.9	10.7	10.5	0.009661
17:00	12.8	12.4	19.0	27.9	33.8	34.3	10.8	10.4	0.009729
18:00	15.8	13.8	20.4	28.1	44.3	38.8	13.0	11.5	0.011731
19:00	17.1	15.6	20.4	28.2	56.5	49.2	14.2	12.9	0.012727
20:00	16.8	15.3	18.9	28.3	69.0	55.5	14.1	12.8	0.012445
21:00	16.2	16.3	17.8	28.2	75.4	65.8	13.6	13.6	0.011914
22:00	16.2	17.3	17.4	28.0	81.3	76.7	13.7	14.5	0.011915
23:00	16.2	17.2	17.1	27.8	85.5	82.9	13.7	14.5	0.011904
Avg	15.6	15.6	18.1	26.9	68.7	66.7	13.1	13.1	0.011561
Max	17.1	17.3	20.4	28.3	94.4	94.6	14.2	14.5	0.012727
Hr. of Max	19	22	19	20	06	06	19	23	19
Min	12.8	12.4	15.5	25.4	33.4	34.3	10.7	10.4	0.009661
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/2/2015

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	0.012656	18.6	19.6	.00	29.08	984.7	-3.0	.00	338.9
01:00	0.012649	18.6	19.6	.00	29.08	984.6	-3.6	-.01	345.5
02:00	0.012428	18.3	19.3	.00	29.07	984.5	-1.7	.00	348.0
03:00	0.01249	18.2	19.4	.00	29.07	984.4	-1.3	.00	23.4
04:00	0.012295	17.9	19.1	.00	29.07	984.4	-1.3	.00	25.7
05:00	0.012041	17.2	18.7	.00	29.07	984.3	-2.0	.00	15.6
06:00	0.011938	17.2	18.5	.00	29.07	984.4	-.6	.00	18.8
07:00	0.011713	17.7	18.2	.00	29.08	984.9	48.7	.07	72.1
08:00	0.011598	18.8	18.0	.00	29.09	985.1	310.6	.45	59.9
09:00	0.011693	19.2	18.2	.00	29.10	985.4	528.4	.76	92.3
10:00	0.011876	19.2	18.5	.00	29.09	985.3	714.3	1.02	84.1
11:00	0.012037	19.4	18.7	.00	29.09	985.2	868.1	1.24	82.4
12:00	0.011549	18.6	18.0	.00	29.08	985.0	966.9	1.39	84.4
13:00	0.009833	15.8	15.3	.00	29.07	984.5	1010.3	1.45	91.1
14:00	0.010824	17.0	16.8	.00	29.06	984.1	989.8	1.42	35.0
15:00	0.010287	16.3	16.0	.00	29.04	983.5	925.0	1.33	282.4
16:00	0.009481	15.0	14.8	.00	29.03	983.0	714.9	1.02	303.6
17:00	0.009401	15.1	14.6	.00	29.02	982.9	424.5	.61	268.8
18:00	0.010304	18.2	16.0	.00	29.02	982.6	346.8	.50	284.9
19:00	0.011524	19.7	17.9	.00	29.01	982.3	158.4	.23	296.4
20:00	0.01133	19.3	17.6	.00	29.01	982.3	10.4	.01	316.7
21:00	0.012031	18.5	18.6	.00	29.01	982.4	-1.7	.00	330.9
22:00	0.012787	18.5	19.8	.00	29.02	982.6	-3.3	.00	308.2
23:00	0.012734	18.5	19.7	.00	29.01	982.5	-2.0	.00	285.3
Avg	0.011562	18.0	18.0	.00	29.06	984.0	333.2	.48	1.0
Max	0.012787	19.7	19.8	.00	29.10	985.4	1010.3	1.45	348.0
Hr. of Max	22	19	22	23	09	09	13	13	02
Min	0.009401	15.0	14.6	.00	29.01	982.3	-3.6	-.01	15.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/2/2015

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	76.2	75.0	348.1	73.7	59.1	14.0	20.9	.4	1.0
01:00	67.8	46.4	358.2	43.1	28.1	9.7	12.0	.7	1.2
02:00	89.8	64.0	351.8	51.1	30.3	44.4	46.1	.5	.9
03:00	70.3	34.9	27.9	29.0	15.9	9.3	9.3	1.3	1.9
04:00	66.9	61.1	32.7	57.9	39.0	17.9	9.2	1.0	1.8
05:00	68.8	55.0	7.4	50.7	50.9	14.4	15.0	.4	1.3
06:00	58.5	64.7	12.0	61.6	16.9	13.5	8.6	.9	2.0
07:00	72.7	54.4	77.3	50.6	38.9	15.8	11.2	.5	1.6
08:00	66.1	62.0	61.9	58.7	29.3	18.4	16.1	1.7	2.4
09:00	87.3	73.6	93.3	70.5	15.4	16.9	19.1	3.8	3.8
10:00	80.1	75.1	84.2	71.2	26.9	22.4	18.1	4.5	4.9
11:00	81.3	74.8	85.9	70.9	36.4	29.2	26.7	3.2	3.5
12:00	79.3	79.0	82.9	75.8	43.7	30.8	28.0	2.6	3.1
13:00	98.7	96.1	92.7	93.0	52.6	41.5	40.0	2.6	2.8
14:00	37.8	22.3	43.9	19.1	65.8	49.9	42.5	1.5	2.0
15:00	300.3	301.0	280.8	297.1	57.8	55.2	48.3	1.8	2.2
16:00	320.3	308.0	305.0	304.7	65.6	54.5	46.2	1.5	1.8
17:00	281.4	270.4	269.4	271.5	35.2	36.9	29.9	1.9	2.3
18:00	294.5	291.5	284.7	290.0	17.8	17.8	14.0	1.5	2.4
19:00	283.5	284.7	293.8	283.2	8.5	7.1	7.1	1.2	3.2
20:00	51.9	193.7	316.7	186.1	12.0	39.6	54.0	1.1	.4
21:00	58.7	57.8	341.3	55.3	21.1	9.5	8.7	.4	1.5
22:00	80.9	56.7	314.0	56.4	26.8	31.6	12.0	.6	.9
23:00	124.2	132.2	293.8	159.0	21.4	36.8	25.8	.6	.3
Avg	61.0	53.0	5.0	48.0	34.0	26.5	23.7	.0	.0
Max	320.3	308.0	358.2	304.7	65.8	55.2	54.0	4.5	4.9
Hr. of Max	16	16	01	16	14	15	20	10	10
Min	37.8	22.3	7.4	19.1	8.5	7.1	7.1	.4	.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/2/2015

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	1.2	.6	1.0	1.3	.9	1.6	3.0	.2	.05
01:00	1.5	.8	1.2	1.6	1.0	1.8	2.3	.3	.04
02:00	.8	1.3	1.6	1.3	1.5	1.6	2.3	1.2	.04
03:00	2.2	1.4	1.9	2.3	1.6	2.5	1.4	1.6	.04
04:00	3.0	1.2	2.0	3.2	1.4	3.4	2.5	1.9	.03
05:00	2.6	.6	1.5	2.8	.9	3.0	2.4	-.1	.04
06:00	3.0	1.0	2.1	3.0	1.3	3.3	1.6	1.1	.02
07:00	3.1	.6	1.8	3.3	.8	3.5	3.1	1.1	.06
08:00	2.9	2.1	2.6	3.0	2.3	3.3	-2.9	1.5	-.11
09:00	3.5	3.9	3.9	3.7	4.3	4.1	-.6	3.2	-.07
10:00	5.2	4.9	5.3	5.5	5.3	6.0	-.1	-.6	-.10
11:00	3.8	3.6	3.9	4.1	4.1	4.7	-1.6	.4	-.14
12:00	3.5	3.7	4.1	4.5	4.5	5.3	2.3	2.7	.14
13:00	3.0	3.5	3.7	4.1	4.1	4.8	-.7	-5.8	.02
14:00	2.3	3.0	3.3	3.4	3.7	4.2	-2.0	-.3	-.21
15:00	2.3	2.7	3.1	3.0	3.3	3.6	1.7	4.2	-.06
16:00	2.0	2.6	2.8	2.7	3.1	3.4	-3.3	-6.7	-.23
17:00	2.6	2.3	2.7	2.8	2.7	3.3	-.8	1.1	-.10
18:00	2.6	1.6	2.5	2.8	1.8	2.8	4.7	-1.3	.10
19:00	3.9	1.3	3.2	4.0	1.3	4.0	.0	2.6	-.02
20:00	.9	1.3	1.2	1.2	1.4	1.5	.9	2.3	.04
21:00	1.5	.4	1.5	1.5	.7	1.8	1.0	-1.2	.01
22:00	2.0	1.0	1.0	2.0	1.2	2.3	1.2	.7	.02
23:00	.2	.6	.4	.7	.8	1.0	.8	-1.4	.02
Avg	.0	1.9	2.4	2.8	2.3	3.2	.8	.4	-.02
Max	5.2	4.9	5.3	5.5	5.3	6.0	4.7	4.2	.14
Hr. of Max	10	10	10	10	10	10	18	15	12
Min	.2	.4	.4	.7	.7	1.0	-3.3	-6.7	-.23
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/2/2015

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	.01	3.4	3.2	3.7	2.4	3.1	8.1	8.4
01:00	.02	3.9	3.7	3.7	3.1	3.9	7.8	6.8
02:00	.04	4.6	3.9	4.8	4.8	3.4	9.4	8.7
03:00	.09	3.0	3.9	3.7	3.1	4.1	6.7	4.2
04:00	.10	4.8	5.0	5.7	2.9	4.8	11.2	4.1
05:00	.00	2.5	5.0	5.5	2.7	6.4	8.3	5.2
06:00	.05	2.7	3.7	5.7	2.9	5.7	7.6	3.5
07:00	.07	3.0	5.7	10.1	2.7	5.9	10.8	4.4
08:00	.05	5.3	5.7	6.2	5.7	6.5	19.2	14.1
09:00	.16	7.8	7.3	7.6	8.0	8.2	14.2	16.8
10:00	-.07	14.4	14.0	11.4	11.1	10.6	17.9	16.3
11:00	.01	9.6	12.1	10.1	10.8	10.5	21.9	24.7
12:00	.24	12.1	13.1	14.9	11.7	10.9	24.2	25.3
13:00	-.12	10.5	10.5	10.3	10.3	10.6	23.9	26.6
14:00	-.13	9.6	11.0	9.8	10.5	10.3	26.7	31.1
15:00	.03	13.5	12.8	12.4	9.5	9.6	28.1	30.5
16:00	-.35	8.2	8.2	10.5	8.5	8.4	27.1	32.0
17:00	.02	6.9	7.3	7.3	7.9	7.6	23.4	24.8
18:00	-.08	3.9	4.4	5.3	3.6	5.8	19.1	12.0
19:00	.18	3.4	6.0	9.8	3.3	5.6	11.0	3.4
20:00	.14	3.4	8.5	10.3	3.9	5.5	8.9	13.3
21:00	-.04	1.8	2.5	3.0	2.0	2.7	7.5	2.4
22:00	.02	2.5	2.7	4.1	2.6	4.3	6.2	3.3
23:00	-.02	1.8	1.8	2.3	2.0	2.3	5.0	5.3
Avg	.02	5.9	6.8	7.4	5.7	6.5	14.8	13.6
Max	.24	14.4	14.0	14.9	11.7	10.9	28.1	32.0
Hr. of Max	12	10	10	12	12	12	15	16
Min	-.35	1.8	1.8	2.3	2.0	2.3	5.0	2.4
Count	24	24	24	24	24	24	24	24
Total								