Date Printed: 09/04/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/3/2015

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	21.9	22.7	23.2	23.5	.74	1.26	1.57	.52	.84
01:00	21.7	22.5	22.8	23.1	.71	1.01	1.35	.30	.64
02:00	21.3	22.0	22.3	22.5	.73	.98	1.21	.26	.48
03:00	20.9	21.6	21.9	22.3	.71	.97	1.34	.26	.64
04:00	20.5	21.2	21.6	22.1	.71	1.09	1.55	.38	.84
05:00	20.4	21.3	21.6	22.0	.97	1.26	1.66	.30	.70
06:00	20.5	21.1	21.3	21.7	.61	.75	1.14	.13	.53
07:00	20.1	20.6	21.0	21.3	.51	.86	1.16	.35	.65
08:00	21.0	21.0	21.2	21.4	.02	.23	.36	.21	.34
09:00	23.1	22.7	22.5	22.5	-.43	-.61	-.64	-.18	-.21
10:00	26.8	26.0	25.7	25.5	-.84	-1.12	-1.29	-.28	-.45
11:00	29.1	28.0	27.7	27.5	-1.10	-1.41	-1.56	-.31	-.46
12:00	30.6	29.1	28.8	28.6	-1.44	-1.80	-1.97	-.35	-.53
13:00	31.4	30.0	29.6	29.4	-1.35	-1.78	-1.99	-.43	-.64
14:00	31.8	30.7	30.3	30.1	-1.10	-1.51	-1.70	-.41	-.61
15:00	32.1	31.1	30.7	30.6	-1.03	-1.35	-1.54	-.32	-.51
16:00	32.2	31.3	30.9	30.7	-.94	-1.31	-1.49	-.37	-.55
17:00	31.8	31.0	30.7	30.7	-.75	-1.01	-1.08	-.26	-.33
18:00	29.5	29.9	30.2	30.4	.42	.70	.88	.29	.46
19:00	26.3	27.6	29.3	29.9	1.28	2.98	3.65	1.70	2.36
20:00	24.3	25.7	26.7	27.8	1.44	2.41	3.53	.97	2.09
21:00	23.2	24.7	25.1	26.0	1.44	1.85	2.73	.40	1.29
22:00	22.4	23.8	24.3	24.9	1.40	1.92	2.48	.52	1.08
23:00	21.7	23.0	23.4	24.0	1.37	1.74	2.33	.38	.97
Avg	25.2	25.4	25.5	25.8	.17	.34	.57	.17	.40
Max	32.2	31.3	30.9	30.7	1.44	2.98	3.65	1.70	2.36
Hr. of Max	16	16	16	17	21	19	19	19	19
Min	20.1	20.6	21.0	21.3	-1.44	-1.80	-1.99	-.43	-.64
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)

9/3/2015

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	20.0	20.9	20.6	26.6	91.1	92.0	17.2	18.1	0.015165
01:00	20.1	20.8	20.6	26.5	92.4	92.9	17.3	18.1	0.015219
02:00	19.7	20.7	20.2	26.4	93.1	94.5	17.0	17.9	0.014907
03:00	19.6	20.4	20.0	26.2	94.0	95.0	16.8	17.7	0.014742
04:00	19.1	20.0	19.6	26.1	93.8	95.2	16.4	17.3	0.014324
05:00	19.0	19.9	19.5	26.0	94.1	93.7	16.3	17.1	0.01425
06:00	19.3	19.6	19.7	25.8	94.7	93.1	16.5	16.8	0.014453
07:00	18.8	19.3	19.3	25.7	94.4	94.4	16.1	16.6	0.014076
08:00	19.4	19.4	19.9	25.6	92.4	92.8	16.6	16.7	0.014538
09:00	19.8	19.3	20.9	25.5	84.0	83.3	17.0	16.4	0.014996
10:00	19.7	19.0	22.1	25.4	67.2	67.1	16.7	16.0	0.014952
11:00	18.7	18.3	22.2	25.5	55.3	57.2	15.7	15.3	0.014075
12:00	17.7	17.2	22.0	25.7	47.5	49.9	14.6	14.2	0.013186
13:00	16.9	16.6	21.7	25.9	43.3	45.8	13.9	13.7	0.012568
14:00	16.5	16.4	21.6	26.2	41.1	43.5	13.5	13.5	0.012254
15:00	16.2	16.1	21.5	26.5	39.7	41.9	13.3	13.3	0.012051
16:00	16.5	16.4	21.7	26.7	40.2	42.1	13.5	13.4	0.01229
17:00	16.9	16.7	21.9	26.9	42.5	43.7	13.9	13.8	0.01264
18:00	19.4	18.7	22.8	27.0	56.4	52.5	16.3	15.5	0.014728
19:00	19.8	19.0	21.9	27.2	69.2	61.6	16.8	16.0	0.015009
20:00	19.8	19.9	21.3	27.2	78.2	72.0	16.9	16.9	0.015054
21:00	19.9	20.3	21.0	27.1	83.4	78.7	17.0	17.4	0.015066
22:00	19.7	20.2	20.6	27.0	87.0	82.4	16.9	17.3	0.014909
23:00	19.4	19.9	20.2	26.9	89.0	84.5	16.6	17.1	0.014618
Avg	18.8	19.0	21.0	26.3	73.5	72.9	16.0	16.1	0.01417
Max	20.1	20.9	22.8	27.2	94.7	95.2	17.3	18.1	0.015219
Hr. of Max	01	00	18	20	06	04	01	01	01
Min	16.2	16.1	19.3	25.4	39.7	41.9	13.3	13.3	0.012051
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)

9/3/2015

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	0.016018	23.5	24.8	.00	29.12	986.2	-2.7	.00	301.6
01:00	0.015979	23.5	24.7	.00	29.11	985.8	-2.0	.00	349.5
02:00	0.01582	23.1	24.4	.00	29.10	985.5	-2.2	.00	326.0
03:00	0.015553	22.8	24.0	.00	29.09	985.2	-3.0	.00	321.2
04:00	0.015179	22.2	23.5	.00	29.10	985.5	-2.0	.00	306.5
05:00	0.015057	22.1	23.3	.00	29.10	985.6	-1.9	.00	12.0
06:00	0.014757	22.4	22.8	.00	29.11	985.7	-3.1	.00	58.1
07:00	0.014524	21.8	22.5	.00	29.12	986.1	15.6	.02	302.7
08:00	0.014609	22.5	22.6	.00	29.13	986.5	94.4	.14	297.2
09:00	0.014477	23.2	22.4	.00	29.13	986.5	319.0	.46	117.6
10:00	0.014216	23.2	22.0	.00	29.13	986.6	599.4	.86	136.0
11:00	0.013663	21.8	21.2	.00	29.13	986.6	749.4	1.07	93.8
12:00	0.012756	20.5	19.8	.00	29.12	986.0	832.3	1.19	99.0
13:00	0.012303	19.5	19.1	.00	29.10	985.6	842.8	1.21	81.3
14:00	0.012186	19.0	18.9	.00	29.09	985.1	819.2	1.17	72.1
15:00	0.011992	18.7	18.6	.00	29.06	984.2	770.6	1.10	74.6
16:00	0.01218	19.1	18.9	.00	29.05	983.6	620.1	.89	45.1
17:00	0.012474	19.6	19.3	.00	29.04	983.3	359.7	.52	.5
18:00	0.014062	22.7	21.7	.00	29.03	983.1	192.9	.28	326.5
19:00	0.014357	23.2	22.2	.00	29.03	983.1	45.6	.07	317.8
20:00	0.0151	23.2	23.3	.00	29.04	983.4	-1.6	.00	286.5
21:00	0.01551	23.3	23.9	.00	29.06	984.1	-2.1	.00	345.9
22:00	0.01537	23.0	23.7	.00	29.07	984.4	-2.5	.00	321.4
23:00	0.015089	22.6	23.3	.00	29.07	984.5	-2.7	.00	4.0
Avg	0.014301	21.9	22.1	.00	29.09	985.1	259.8	.37	2.0
Max	0.016018	23.5	24.8	.00	29.13	986.6	842.8	1.21	349.5
Hr. of Max	00	01	00	23	11	11	13	13	01
Min	0.011992	18.7	18.6	.00	29.03	983.1	-3.1	.00	.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/3/2015

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	81.8	78.6	296.6	82.3	29.8	22.5	15.9	.5	.4
01:00	67.9	69.7	350.0	69.3	55.9	47.6	38.0	.8	1.2
02:00	79.8	61.3	327.3	60.1	46.2	10.4	11.4	.5	.7
03:00	70.7	56.9	319.8	53.9	40.4	24.3	14.4	.7	1.3
04:00	67.9	357.7	288.0	352.8	29.3	22.3	16.7	.1	1.1
05:00	49.4	38.2	11.1	33.9	38.5	15.9	13.1	1.1	1.7
06:00	64.1	57.5	61.9	54.2	24.8	14.4	5.6	1.7	3.2
07:00	89.6	80.6	298.8	85.1	19.3	26.7	23.5	.7	1.0
08:00	54.5	17.4	286.5	12.7	35.3	30.5	37.1	.4	.6
09:00	91.4	58.8	126.9	59.3	31.6	23.0	35.9	.8	.9
10:00	128.1	113.4	140.9	113.3	52.6	48.3	62.2	1.2	1.3
11:00	89.4	83.4	95.5	79.4	29.9	28.9	25.5	3.7	4.1
12:00	95.3	92.7	100.4	89.0	20.7	19.7	17.9	5.5	6.2
13:00	72.9	69.5	83.7	66.2	35.6	29.2	26.5	4.2	5.6
14:00	65.1	58.7	77.1	55.3	41.5	36.8	35.8	3.9	4.8
15:00	67.7	61.7	75.3	58.9	36.4	34.4	32.7	3.8	4.4
16:00	41.2	36.0	45.0	32.5	61.6	44.8	40.6	2.2	3.5
17:00	18.2	18.2	359.1	12.8	43.9	30.8	27.9	1.4	2.5
18:00	356.5	359.3	326.7	354.0	13.3	11.1	10.9	1.8	3.6
19:00	344.2	346.5	319.3	338.8	11.7	5.9	3.9	1.2	4.0
20:00	63.7	1.8	284.2	358.7	25.5	30.6	17.1	.4	.8
21:00	84.6	51.7	350.0 +	50.5	31.3	21.9	20.7	.7	1.6
22:00	76.3	76.7	322.8	74.7	28.0	12.4	12.3	.5	.7
23:00	73.1	65.0	11.1	63.0	21.7	8.0	7.6	.8	1.4
Avg	67.0	52.0	1.0	49.0	33.5	25.0	23.1	.0	.0
Max	356.5	359.3	359.1	358.7	61.6	48.3	62.2	5.5	6.2
Hr. of Max	18	18	17	20	16	10	10	12	12
Min	18.2	1.8	11.1	12.7	11.7	5.9	3.9	.1	.4
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)

9/3/2015

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	.4	.5	.4	.5	.8	.8	1.6	-.9	.03
01:00	1.7	1.3	1.3	1.7	1.5	2.0	.7	1.5	-.03
02:00	1.2	.9	.7	1.3	1.2	1.6	1.3	.8	.04
03:00	2.7	1.4	1.5	2.9	1.6	3.2	-.2	.7	-.06
04:00	2.2	.4	1.1	2.4	.7	2.7	.9	3.2	.01
05:00	2.4	1.2	1.8	2.6	1.5	2.8	-1.9	-.1	-.08
06:00	4.9	1.9	3.4	5.0	2.0	5.2	-1.9	1.0	-.09
07:00	2.0	1.3	1.5	2.0	1.6	2.3	.7	2.2	.01
08:00	1.3	.6	.6	1.5	.9	1.8	2.1	2.5	.04
09:00	1.1	1.2	1.1	1.3	1.7	1.7	-.4	-.2	-.01
10:00	1.3	1.9	1.9	2.1	2.6	2.7	.4	-6.9	.02
11:00	4.6	4.1	4.6	5.0	4.7	5.5	.8	4.5	.01
12:00	6.7	5.8	6.6	7.0	6.6	7.6	1.6	3.1	.11
13:00	6.6	5.3	6.9	7.9	6.1	8.4	-.2	5.3	-.09
14:00	5.6	4.7	5.8	6.6	5.4	7.2	1.1	9.9	-.06
15:00	5.1	4.4	5.0	5.8	5.1	6.4	.7	7.3	-.06
16:00	4.1	3.3	4.4	5.0	3.9	5.5	.9	5.1	-.14
17:00	3.1	2.8	3.7	4.1	3.2	4.6	-1.8	2.2	-.21
18:00	4.4	1.9	3.7	4.5	2.1	4.8	-3.5	.2	-.16
19:00	5.8	1.3	4.0	5.8	1.5	6.1	-.3	3.2	-.02
20:00	2.5	.6	.9	2.9	.8	3.1	-.8	5.8	-.01
21:00	2.6	1.0	1.7	2.7	1.2	3.0	-1.2	3.1	-.03
22:00	1.5	.7	.7	1.5	1.0	1.8	2.0	1.6	.04
23:00	2.1	.9	1.4	2.1	1.1	2.4	1.0	2.5	.01
Avg	.0	2.1	2.7	3.5	2.5	3.9	.2	2.4	-.03
Max	6.7	5.8	6.9	7.9	6.6	8.4	2.1	9.9	.11
Hr. of Max	12	12	13	13	12	13	08	14	12
Min	.4	.4	.4	.5	.7	.8	-3.5	-6.9	-.21
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/3/2015

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	2.5	2.1	2.3	2.8	1.7	7.3	7.7
01:00	.06	3.7	3.9	4.4	3.5	4.5	11.6	6.5
02:00	.04	2.7	2.1	2.7	2.7	2.9	5.8	6.0
03:00	.02	4.4	6.2	8.0	4.9	8.4	11.0	6.9
04:00	.15	1.8	6.2	8.9	2.2	6.3	10.6	11.6
05:00	-.05	3.4	4.1	5.3	3.6	5.4	9.0	7.0
06:00	.05	3.9	6.0	8.5	4.7	9.2	10.2	4.3
07:00	.11	3.0	4.8	7.1	3.5	5.0	7.6	8.3
08:00	.08	1.8	2.3	3.2	1.8	3.6	12.2	9.6
09:00	.02	4.6	4.6	4.6	5.7	5.4	22.8	24.3
10:00	-.20	9.2	7.8	7.1	7.5	7.8	27.1	31.1
11:00	.31	15.1	15.3	9.6	10.9	10.5	19.7	21.5
12:00	.44	13.3	15.3	15.3	13.7	15.0	14.0	16.5
13:00	.63	20.8	25.6	23.4	14.0	15.1	18.6	15.5
14:00	.97	14.0	13.5	14.0	15.8	14.4	23.5	20.7
15:00	.74	12.4	12.4	15.8	14.1	15.7	22.9	20.3
16:00	.30	10.1	10.8	11.9	11.7	11.9	24.9	21.0
17:00	.11	8.0	8.9	8.9	8.3	8.7	20.2	18.7
18:00	.01	4.4	6.2	8.7	4.6	7.1	10.8	4.1
19:00	.34	3.4	6.9	8.2	3.7	7.6	7.6	2.0
20:00	.34	2.7	7.6	12.6	3.2	7.5	9.0	8.4
21:00	.14	5.0	5.3	6.0	5.7	6.3	10.8	9.0
22:00	.05	2.5	2.5	4.4	2.7	3.3	7.8	7.9
23:00	.11	2.3	2.7	3.4	2.5	3.2	7.2	4.0
Avg	.20	6.5	7.6	8.5	6.4	7.8	13.8	12.2
Max	.97	20.8	25.6	23.4	15.8	15.7	27.1	31.1
Hr. of Max	14	13	13	13	14	15	10	10
Min	-.20	1.8	2.1	2.3	1.8	1.7	5.8	2.0
Count	24	24	24	24	24	24	24	24
Total								