Date Printed: 07/30/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/29/2015

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	23.7	23.9	24.1	24.3	.14	.32	.58	.18	.43
01:00	23.4	23.5	23.8	24.1	.12	.42	.66	.31	.55
02:00	23.2	23.3	23.4	23.5	.13	.24	.30	.10	.16
03:00	22.8	23.0	23.0	23.4	.21	.27	.63	.07	.42
04:00	22.2	22.5	22.9	23.2	.37	.70	1.00	.33	.63
05:00	21.8	22.2	22.5	22.7	.38	.70	.92	.32	.54
06:00	22.2	22.1	22.3	22.8	-.11	.09	.53	.20	.64
07:00	22.4	22.4	22.7	22.8	.04	.26	.43	.22	.39
08:00	23.9	23.7	23.5	23.5	-.25	-.41	-.48	-.16	-.24
09:00	26.0	25.5	25.3	25.2	-.47	-.70	-.83	-.23	-.36
10:00	27.9 P	27.3 P	27.0 P	26.8 P	P	P	P	P	P
11:00	29.1	28.5	28.2	28.1	-.61	-.90	-1.04	-.29	-.43
12:00	30.2	29.6	29.3	29.2	-.63	-.90	-1.03	-.26	-.40
13:00	31.4	30.4	30.2	30.1	-.95	-1.21	-1.32	-.26	-.37
14:00	31.2	30.6	30.3	30.2	-.63	-.86	-1.01	-.22	-.38
15:00	31.6	31.0	30.7	30.6	-.60	-.86	-.98	-.25	-.37
16:00	31.6	31.3	31.0	30.9	-.34	-.62	-.73	-.27	-.39
17:00	32.1	31.6	31.3	31.2	-.46	-.72	-.84	-.26	-.38
18:00	31.8	31.6	31.4	31.3	-.20	-.40	-.51	-.20	-.31
19:00	29.8	30.0	30.5	30.8	.22	.71	1.08	.48	.86
20:00	27.4	28.4	29.0	29.6	.95	1.60	2.18	.65	1.23
21:00	25.9	27.0	27.6	28.5	1.10	1.72	2.60	.62	1.49
22:00	25.7	26.3	27.3	27.8	.58	1.67	2.16	1.09	1.58
23:00	25.2	26.2	27.0	27.6	.96	1.83	2.35	.88	1.40
Avg	26.8	26.7	26.8	27.0	.00	.13	.29	.13	.29
Max	32.1	31.6	31.4	31.3	1.10	1.83	2.60	1.09	1.58
Hr. of Max	17	18	18	18	21	23	21	22	22
Min	21.8	22.1	22.3	22.7	-.95	-1.21	-1.32	-.29	-.43
Count	24	24	24	24	23	23	23	23	23
Total									

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Daily Summary Report

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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	22.2	22.6	22.7	28.4	93.7	95.1	19.6	20.0	0.017412
01:00	21.9	22.2	22.4	28.3	93.9	95.1	19.3	19.6	0.017106
02:00	21.7	21.9	22.2	28.1	93.8	94.6	19.0	19.3	0.016862
03:00	21.3	21.7	21.8	27.9	94.1	95.1	18.6	19.0	0.0165
04:00	20.9	21.5	21.3	27.8	94.8	96.6	18.2	18.9	0.016055
05:00	20.6	21.3	21.0	27.6	95.0	97.3	17.9	18.7	0.015743
06:00	20.9	21.3	21.4	27.4	94.8	97.6	18.2	18.6	0.016073
07:00	21.0	21.5	21.5	27.3	94.2	97.1	18.3	18.9	0.01615
08:00	21.5	21.3	22.3	27.1	88.6	89.0	18.8	18.6	0.01665
09:00	22.0	21.4	23.4	27.0	81.1	80.1	19.3	18.6	0.017252
10:00	P	P	P	27.0 P	69.8 P	68.7 P	P	P	P
11:00	20.3	19.5	23.2	27.1	61.0	60.0	17.2	16.4	0.015545
12:00	21.1	20.3	24.2	27.4	60.3	59.2	18.1	17.2	0.016388
13:00	21.7	21.0	24.9	27.7	58.4	58.9	18.6	17.9	0.016974
14:00	21.9	21.4	25.0	28.1	59.8	60.1	18.9	18.4	0.01718
15:00	21.4	20.9	24.8	28.5	56.8	57.0	18.3	17.8	0.016723
16:00	21.5	20.8	24.9	28.6	56.9	55.4	18.4	17.6	0.016813
17:00	21.5	21.0	25.0	28.8	55.5	55.2	18.4	17.8	0.016797
18:00	22.3	21.4	25.4	28.9	59.4	56.8	19.3	18.3	0.017655
19:00	23.4	22.6	25.5	29.0	71.1	67.0	20.7	19.8	0.018877
20:00	23.3	22.8	24.7	29.1	80.6	74.3	20.7	20.1	0.018689
21:00	22.7	23.0	23.8	29.1	84.9	81.2	20.1	20.4	0.017993
22:00	23.1	23.7	24.0	29.0	88.4	88.5	20.6	21.3	0.01845
23:00	23.0	23.2	23.8	28.9	90.4	86.4	20.5	20.7	0.018353
Avg	21.8	21.7	23.4	28.1	78.2	77.8	19.0	18.9	0.017054
Max	23.4	23.7	25.5	29.1	95.0	97.6	20.7	21.3	0.018877
Hr. of Max	19	22	19	21	05	06	20	22	19
Min	20.3	19.5	21.0	27.0	55.5	55.2	17.2	16.4	0.015545
Count	23	23	23	24	24	24	23	23	23
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/29/2015

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	0.017823	26.8	27.4	.00	29.09	985.1	-2.2	.00	261.6
01:00	0.017453	26.4	26.9	.00	29.10	985.4	-2.1	.00	250.4
02:00	0.017159	26.0	26.4	.00	29.08	984.8	-2.5	.00	235.9
03:00	0.016889	25.4	26.0	.00	29.07	984.6	-2.4	.00	273.9
04:00	0.016723	24.8	25.8	.00	29.06	984.3	-2.4	.00	315.6
05:00	0.016501	24.3	25.4	.00	29.07	984.5	-1.9	.00	258.1
06:00	0.016451	24.8	25.4	.00	29.10	985.3	.0	.00	244.1
07:00	0.016686	25.0	25.8	.00	29.11	985.9	48.4	.07	265.6
08:00	0.016472	25.7	25.4	.00	29.13	986.4	222.0	.32	34.0
09:00	0.016566	26.6	25.6	.00	29.13	986.4	480.8	.69	102.6
10:00	P	P	P	.00 P	29.12 P	986.3 P	655.8 P	.94 P	93.5 P
11:00	0.014765	24.0	22.9	.00	29.12	986.3	811.7	1.16	78.4
12:00	0.015508	25.3	24.0	.00	29.12	986.2	880.0	1.26	139.9
13:00	0.016212	26.2	25.0	.00	29.11	985.8	911.3	1.31	230.8
14:00	0.016678	26.5	25.7	.00	29.10	985.3	618.3	.89	185.4
15:00	0.016208	25.8	25.0	.00	29.08	984.7	766.4	1.10	99.0
16:00	0.01606	25.9	24.8	.00	29.06	984.0	513.4	.74	123.0
17:00	0.016291	25.9	25.1	.00	29.04	983.6	439.5	.63	97.0
18:00	0.016709	27.1	25.7	.00	29.04	983.6	292.6	.42	230.8
19:00	0.017991	29.0	27.7	.00	29.06	984.0	118.9	.17	271.2
20:00	0.01821	28.7	28.0	.00	29.06	984.2	13.7	.02	303.9
21:00	0.01835	27.7	28.2	.00	29.08	984.7	-2.5	.00	264.7
22:00	0.019125	28.4	29.4	.00	29.10	985.5	-2.2	.00	248.4
23:00	0.01854	28.3	28.5	.00	29.11	985.7	-2.6	.00	253.6
Avg	0.016929	26.3	26.1	.00	29.09	985.1	281.3	.41	237.0
Max	0.019125	29.0	29.4	.00	29.13	986.4	911.3	1.31	315.6
Hr. of Max	22	19	22	23	09	09	13	13	04
Min	0.014765	24.0	22.9	.00	29.04	983.6	-2.6	.00	34.0
Count	23	23	23	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/29/2015

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	237.7	209.7	263.5	210.9	25.2	16.2	16.0	1.9	2.7
01:00	267.4	277.6	249.0	277.4	23.3	22.2	12.7	1.1	1.9
02:00	228.1	247.3	238.3	248.8	26.3	22.5	23.3	1.4	1.9
03:00	226.1	227.1	274.7	226.5	30.9	29.0	30.4	.9	1.4
04:00	82.7	71.9	313.7	76.2	43.4	39.3	28.2	.5	.7
05:00	213.7	156.6	257.9	302.5	48.9	41.4	57.5	1.0	.7
06:00	6.5	44.7	246.4	29.0	20.8	45.1	29.8	1.1	.6
07:00	38.1	359.1	266.7	343.8	43.2	55.4	36.5	.8	.7
08:00	48.0	43.2	40.0	47.7	42.8	30.5	38.1	.7	1.2
09:00	100.3	92.8	105.1 +	89.4	27.4	24.3	26.3	2.4	2.7
10:00	82.1 P	69.4	95.2 P	66.5 P	41.5 P	35.3 P	32.1 P	2.4 P	2.8 P
11:00	70.6	50.8	80.3	46.9	39.7	36.2	32.6	1.5	1.7
12:00	140.5	145.5	138.7	145.4	45.4	41.8	42.4	2.1	2.3
13:00	255.5	258.9	237.2	262.0	70.0	68.4	66.5	1.1	1.6
14:00	153.3	156.9	186.8	144.1	51.2	44.6	45.3	.6	.7
15:00	107.2	108.6	108.7	107.7	56.0	52.0	55.4	1.8	1.8
16:00	123.4	123.3	126.3	121.3	23.7	16.8	18.7	2.9	3.3
17:00	97.5	93.0	100.8	86.0	40.7	36.4	38.4	1.5	1.6
18:00	204.0	196.8	228.1	198.5	41.1	53.1	57.7	1.0	1.0
19:00	259.6	245.6	269.1	246.3	13.5	10.0	5.6	1.1	2.5
20:00	163.8	248.5	303.5	240.8	29.1	28.8	49.9	.9	.7
21:00	210.1	252.0	263.2	251.5	19.3	34.8	13.1	1.2	1.9
22:00	244.9	292.4	246.9	291.2	26.9	38.9	34.5	.9	.7
23:00	285.6	296.6	254.0	293.9	21.6	15.4	15.5	1.6	2.6
Avg	171.0	177.0	235.0	225.0	35.5	34.9	33.6	.0	.0
Max	285.6	359.1	313.7	343.8	70.0	68.4	66.5	2.9	3.3
Hr. of Max	23	07	04	07	13	13	13	16	16
Min	6.5	43.2	40.0	29.0	13.5	10.0	5.6	.5	.6
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)

7/29/2015

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	3.3	2.2	3.0	3.5	2.4	3.7	-2.2	-2.0	-.14
01:00	3.0	1.2	2.2	3.2	1.5	3.2	1.1	2.8	.00
02:00	1.9	1.8	2.3	2.2	2.1	2.4	-.1	-2.2	.00
03:00	1.2	1.1	1.6	1.3	1.4	1.6	.4	-1.1	-.01
04:00	1.0	.9	.9	1.1	1.1	1.4	1.1	1.6	.02
05:00	.2	1.4	1.5	1.0	1.7	1.3	.2	.2	-.03
06:00	.4	1.3	.8	.8	1.6	1.1	.8	-2.4	.01
07:00	1.1	1.0	1.0	1.5	1.3	1.8	1.9	-1.6	.04
08:00	1.2	1.3	1.7	1.8	1.7	2.2	-5.8	-1.1	-.18
09:00	2.6	2.7	2.9	2.9	3.1	3.4	3.1	7.1	.08
10:00	3.1 P	2.9 P	3.3 P	3.6 P	3.4 P	4.1 P	4.6 P	2.1 P	.12 P
11:00	1.7	2.2	2.2	2.1	2.7	2.9	-4.5	-10.5	-.18
12:00	2.0	3.0	3.1	2.8	3.6	3.5	3.5	6.8	.22
13:00	1.7	3.0	3.3	3.4	3.6	4.0	1.4	4.7	.05
14:00	.6	2.3	2.8	3.0	3.0	3.6	1.8	.8	.06
15:00	1.7	2.6	2.7	2.6	3.1	3.2	-.5	4.9	-.03
16:00	3.4	3.2	3.5	3.7	3.9	4.2	1.9	-.8	.16
17:00	1.6	2.4	2.6	2.6	2.9	3.1	.5	5.1	.00
18:00	.9	1.7	2.0	2.1	2.1	2.6	8.6	16.7	.34
19:00	3.5	1.2	2.6	3.5	1.5	3.8	-2.0	.1	-.07
20:00	1.3	1.1	.8	1.4	1.3	1.7	.4	-1.1	.01
21:00	2.5	1.3	1.9	2.6	1.7	2.9	.8	2.8	.02
22:00	2.6	1.0	1.8	3.1	1.4	3.3	-.9	3.2	-.03
23:00	4.4	2.0	3.5	5.3	2.2	5.2	-.1	2.5	-.05
Avg	.0	1.9	2.3	2.5	2.3	2.9	.7	1.6	.02
Max	4.4	3.2	3.5	5.3	3.9	5.2	8.6	16.7	.34
Hr. of Max	23	16	23	23	16	23	18	18	18
Min	.2	.9	.8	.8	1.1	1.1	-5.8	-10.5	-.18
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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7/29/2015

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	-.13	4.6	6.0	6.6	5.2	7.0	10.1	6.8
01:00	.15	3.2	6.4	6.9	3.4	7.0	11.5	6.1
02:00	-.06	4.1	5.3	6.4	4.7	8.2	7.9	13.3
03:00	-.03	5.0	6.0	5.7	4.0	4.2	9.5	9.5
04:00	.06	2.7	3.0	3.2	2.7	3.6	7.0	6.9
05:00	.00	3.4	3.9	3.2	3.7	3.6	8.9	10.6
06:00	-.05	4.1	5.3	4.4	4.4	2.9	8.8	11.1
07:00	-.05	3.4	3.7	4.4	3.5	4.5	13.4	9.2
08:00	-.06	5.3	6.4	6.0	5.8	6.5	27.2	22.1
09:00	.40	6.4	6.2	6.9	7.0	7.8	21.3	24.4
10:00	.06 P	<	<	<	<	<	<	<
11:00	-.50	6.6	6.6	5.7	7.3	6.7	28.3	32.4
12:00	.57	10.1	9.6	7.8	9.4	8.5	24.4	31.3
13:00	.22	8.7	9.2	9.8	9.1	10.9	24.2	27.4
14:00	-.06	10.3	11.9	11.2	8.5	8.1	24.6	29.2
15:00	.34	8.9	6.2	7.1	7.8	7.9	25.6	29.1
16:00	-.05	8.0	8.7	8.5	9.1	8.3	20.4	22.2
17:00	.30	7.6	8.0	8.0	7.7	8.3	23.3	26.4
18:00	.73	5.0	5.3	5.5	6.1	5.9	21.8	21.2
19:00	.00	2.7	3.9	5.3	3.1	5.8	9.7	3.6
20:00	.00	2.1	4.4	8.5	2.4	4.8	7.4	9.6
21:00	.13	3.2	4.1	4.8	3.9	5.1	8.3	7.5
22:00	.19	3.0	6.6	9.6	3.1	10.2	15.5	18.0
23:00	.16	5.3	10.5	15.3	6.0	11.1	11.1	7.8
Avg	.10	5.4	6.4	7.0	5.6	6.8	16.1	16.8
Max	.73	10.3	11.9	15.3	9.4	11.1	28.3	32.4
Hr. of Max	18	14	14	23	12	23	11	11
Min	-.50	2.1	3.0	3.2	2.4	2.9	7.0	3.6
Count	24	23	23	23	23	23	23	23
Total								