Date Printed: 07/09/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/8/2015

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	21.6	21.6	21.7	22.1	.06	.19	.52	.14	.47
01:00	21.0	20.8	20.8	21.2	-.15	-.18	.24	-.03	.40
02:00	20.9	20.9	21.0	21.4	-.02	.15	.52	.17	.54
03:00	20.7	21.1	21.5	21.8	.41	.75	1.10	.34	.69
04:00	20.5	20.8	21.2	21.4	.31	.70	.92	.39	.61
05:00	20.3	20.6	21.0	21.2	.28	.72	.93	.45	.65
06:00	20.0	20.2	20.6	20.7	.16	.55	.74	.39	.58
07:00	20.4	20.3	20.5	20.9	-.10	.15	.51	.25	.60
08:00	21.6	21.4	21.3	21.5	-.27	-.38	-.15	-.11	.12
09:00	24.2	23.9	23.7	23.6	-.31	-.49	-.56	-.18	-.25
10:00	26.5 P	26.0 P	25.7 P	25.7 P	P	P	P	P	P
11:00	28.6	27.9	27.6	27.5	-.72	-1.00	-1.12	-.28	-.40
12:00	29.4	28.7	28.4	28.3	-.68	-1.02	-1.14	-.33	-.46
13:00	29.4	28.5	28.1	28.0	-.90	-1.29	-1.38	-.39	-.48
14:00	29.2	28.4	28.1	28.1	-.76	-1.07	-1.15	-.31	-.39
15:00	30.8	30.1	29.8	29.7	-.64	-.98	-1.08	-.35	-.44
16:00	31.0	30.7	30.3	30.2	-.40	-.72	-.81	-.32	-.42
17:00	31.4	31.2	30.9	30.8	-.28	-.56	-.69	-.29	-.41
18:00	31.5	31.1	30.9	30.8	-.34	-.59	-.66	-.25	-.33
19:00	29.0	30.0	30.0	30.1	1.02	1.02	1.14	.00	.12
20:00	26.0	27.9	28.4	28.8	1.82	2.39	2.80	.57	.98
21:00	24.5	25.9	27.0	27.7	1.43	2.54	3.21	1.11	1.79
22:00	23.4	24.7	25.8	26.5	1.33	2.37	3.05	1.05	1.73
23:00	22.8	23.9	24.8	25.5	1.12	2.01	2.78	.89	1.66
Avg	25.2	25.3	25.4	25.6	.10	.23	.42	.13	.32
Max	31.5	31.2	30.9	30.8	1.82	2.54	3.21	1.11	1.79
Hr. of Max	18	17	18	18	20	21	21	21	21
Min	20.0	20.2	20.5	20.7	-.90	-1.29	-1.38	-.39	-.48
Count	24	24	24	24	23	23	23	23	23
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/8/2015

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	19.7	19.7	20.3	26.2	91.7	91.2	17.0	16.9	0.014848
01:00	19.9	20.0	20.2	25.9	95.8	97.7	17.1	17.3	0.014981
02:00	19.6	19.8	20.0	25.7	94.7	96.2	16.9	17.1	0.01473
03:00	19.5	19.7	19.9	25.4	95.0	94.0	16.8	17.0	0.014632
04:00	19.4	19.8	19.8	25.2	95.9	96.2	16.7	17.0	0.014554
05:00	19.2	19.6	19.6	25.0	95.8	96.3	16.5	16.8	0.014385
06:00	19.0	19.5	19.3	24.8	96.2	98.1	16.3	16.8	0.014175
07:00	19.3	19.5	19.7	24.6	96.0	97.7	16.6	16.8	0.01446
08:00	20.1	20.0	20.6	24.5	93.0	94.5	17.3	17.3	0.015148
09:00	20.7	20.2	21.8	24.4	83.0	82.2	17.8	17.4	0.015752
10:00	P	P	P	24.4 P	77.5 P	77.5 P	P	P	P
11:00	21.8	21.3	24.1	24.7	68.9	69.3	18.9	18.3	0.016999
12:00	22.0	21.4	24.5	25.3	66.4	66.7	19.1	18.5	0.0172
13:00	20.4	19.8	23.4	26.0	60.2	61.1	17.3	16.8	0.01559
14:00	20.4	19.9	23.3	26.7	60.8	61.7	17.3	16.9	0.01555
15:00	21.6	21.1	24.6	27.1	60.0	60.5	18.5	18.0	0.016791
16:00	21.5	21.1	24.7	27.3	58.9	58.4	18.5	17.9	0.016756
17:00	20.7	20.3	24.3	27.6	54.6	54.1	17.5	17.1	0.015882
18:00	20.5	20.1	24.1	27.7	53.8	53.7	17.3	17.0	0.015706
19:00	21.4	20.5	23.9	27.9	66.0	58.8	18.4	17.4	0.016604
20:00	22.0	21.1	23.4	27.9	81.0	68.9	19.3	18.1	0.017219
21:00	21.7	21.4	22.6	27.8	86.8	78.5	18.9	18.6	0.016818
22:00	21.3	21.4	22.0	27.6	90.1	84.2	18.5	18.7	0.016372
23:00	21.0	21.4	21.6	27.3	91.9	88.2	18.2	18.6	0.016049
Avg	20.6	20.4	22.1	26.1	79.8	78.6	17.7	17.5	0.015704
Max	22.0	21.4	24.7	27.9	96.2	98.1	19.3	18.7	0.017219
Hr. of Max	20	23	16	20	06	06	20	22	20
Min	19.0	19.5	19.3	24.4	53.8	53.7	16.3	16.8	0.014175
Count	23	23	23	24	24	24	23	23	23
Total									

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OAK RIDGE NATIONAL LABORATORY
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Daily Summary Report

Site: Tower "D" (1000 Area)

7/8/2015

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	0.014803	23.1	23.0	.20	29.22	989.7	-2.2	.00	257.2
01:00	0.015134	23.3	23.5	.00	29.21	989.3	-2.4	.00	254.2
02:00	0.014948	22.9	23.2	.00	29.22	989.5	-2.3	.00	287.7
03:00	0.014852	22.7	23.1	.00	29.21	989.1	-2.1	.00	273.5
04:00	0.014872	22.6	23.1	.00	29.21	989.2	-2.7	.00	303.2
05:00	0.014703	22.4	22.8	.00	29.20	989.0	-2.1	.00	326.3
06:00	0.014605	22.0	22.7	.00	29.21	989.1	6.3	.01	284.3
07:00	0.014635	22.5	22.7	.00	29.22	989.6	60.8	.09	262.6
08:00	0.015131	23.5	23.5	.00	29.23	990.0	161.2	.23	263.6
09:00	0.015318	24.5	23.8	.00	29.24	990.3	523.6	.75	231.0
10:00	P	P	P	.00 P	29.24 P	990.3 P	667.8 P	.96 P	246.6 P
11:00	0.016391	26.3	25.4	.00	29.24	990.2	794.1	1.14	236.1
12:00	0.016592	26.6	25.7	.00	29.23	990.0	803.0	1.15	220.4
13:00	0.015016	24.2	23.3	.00	29.23	989.8	1054.4	1.51	214.3
14:00	0.01512	24.1	23.5	.00	29.21	989.1	861.5	1.23	212.6
15:00	0.016308	26.0	25.3	.00	29.19	988.6	776.9	1.11	204.3
16:00	0.016253	25.9	25.2	.00	29.18	988.2	435.2	.62	211.6
17:00	0.015482	24.6	24.0	.00	29.17	987.9	410.3	.59	222.0
18:00	0.015377	24.3	23.8	.00	29.17	987.7	329.8	.47	233.9
19:00	0.015733	25.7	24.4	.00	29.17	987.9	168.8	.24	244.5
20:00	0.016281	26.6	25.2	.00	29.18	988.3	13.4	.02	258.7
21:00	0.016543	26.0	25.6	.00	29.19	988.6	-2.0	.00	294.9
22:00	0.016556	25.4	25.6	.00	29.20	988.9	-2.4	.00	282.0
23:00	0.016478	24.9	25.5	.00	29.20	989.0	-2.2	.00	294.7
Avg	0.015527	24.4	24.1	.01	29.21	989.1	293.6	.42	254.0
Max	0.016592	26.6	25.7	.20	29.24	990.3	1054.4	1.51	326.3
Hr. of Max	12	20	12	00	11	10	13	13	05
Min	0.014605	22.0	22.7	.00	29.17	987.7	-2.7	.00	204.3
Count	23	23	23	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/8/2015

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	271.0	252.6	257.2	254.8	46.5	36.4	29.7	1.1	2.1
01:00	324.5	35.9	257.3	38.3	33.8	23.1	44.2	.2	.3
02:00	329.8	19.8	289.7	1.1	35.6	30.5	31.4	1.7	2.3
03:00	191.6	204.0	262.7	209.5	53.0	60.2	46.5	.5	.4
04:00	357.8	49.3	299.5	39.9	40.5	34.6	28.6	1.0	1.3
05:00	54.3	88.3	305.5	86.9	40.9	23.2	16.5	.3	.8
06:00	13.2	58.9	278.4	47.5	39.5	48.8	53.3	.6	.1
07:00	263.8	250.1	251.7	252.2	40.4	17.2	17.5	.5	1.1
08:00	334.1	300.6	254.7	315.6	59.9	53.3	38.1	.1	.1
09:00	240.1	240.8	238.4	242.1	46.4	36.3	26.5	1.6	2.2
10:00	252.1 P	252.6 P	250.5 P	253.5 P	33.8 P	22.9 P	22.3 P	2.7 P	3.4 P
11:00	240.2	239.3	241.5	241.0	28.7	22.1	18.1	5.3	7.3
12:00	228.6	227.6	225.4	229.5	30.6	24.3	20.5	4.7	6.2
13:00	218.9	218.1	219.9	220.1	23.9	18.2	14.0	6.9	9.6
14:00	215.4	214.4	216.7	216.0	29.4	25.0	20.4	3.9	4.8
15:00	212.6	212.3	211.2	214.1	26.4	19.2	16.4	5.5	7.6
16:00	222.3	222.3	216.5	224.2	24.0	20.6	16.2	5.0	6.9
17:00	229.6	227.5	227.7	229.8	22.1	16.4	12.7	5.8	8.8
18:00	234.7	232.8	238.4	234.9	24.3	16.6	12.3	4.1	6.3
19:00	235.3	227.5	247.4	229.6	17.6	10.8	8.4	2.2	4.0
20:00	231.6	220.3	260.2	223.0	10.4	6.3	4.9	1.4	3.5
21:00	237.8	215.1	291.4	217.5	13.4	6.5	4.1	.7	2.6
22:00	233.5	219.3	278.0	222.0	21.1	7.5	4.5	.8	2.0
23:00	240.6	215.7	293.9	218.3	18.5	10.1	5.0	.7	2.0
Avg	250.0	230.0	254.0	236.0	31.7	24.6	21.3	.0	.0
Max	357.8	300.6	305.5	315.6	59.9	60.2	53.3	6.9	9.6
Hr. of Max	04	08	05	08	08	03	06	13	13
Min	13.2	19.8	211.2	1.1	10.4	6.3	4.1	.1	.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/8/2015

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	2.9	2.1	3.2	4.0	2.7	4.3	-1.3	-.4	-.11
01:00	.2	.3	.5	.4	.7	.7	3.7	.1	.05
02:00	2.8	2.1	2.8	3.5	2.5	3.8	.6	-1.7	-.18
03:00	.7	.8	1.0	1.5	1.2	1.8	3.6	2.5	.06
04:00	1.5	1.4	1.7	2.2	1.7	2.5	1.1	-3.0	-.02
05:00	1.5	.7	1.0	1.5	1.1	1.9	4.0	-1.0	.09
06:00	.2	.7	.5	.5	1.0	.9	2.4	-.8	.03
07:00	1.3	.7	1.3	1.4	1.0	1.7	.8	2.1	.01
08:00	.0	.1	.3	.1	.5	.4	2.0	-3.9	.06
09:00	2.7	2.0	2.5	2.9	2.6	3.4	3.2	-2.0	-.03
10:00	3.7 P	3.4 P	4.0 P	4.2 P	3.9 P	4.7 P	.4 P	1.0 P	-.16 P
11:00	8.4	5.9	7.7	8.8	6.6	9.5	-.5	-.7	-.37
12:00	7.4	5.2	6.7	7.9	5.9	8.6	2.5	3.1	.04
13:00	10.9	7.5	10.1	11.3	8.2	12.0	-.1	-.6	-.29
14:00	5.4	4.4	5.1	5.7	4.7	6.2	1.0	.7	-.06
15:00	8.8	6.1	8.0	9.1	6.8	9.7	.3	.6	-.12
16:00	8.5	5.5	7.4	8.9	6.0	9.6	1.7	1.9	-.02
17:00	10.8	6.2	9.1	11.1	7.1	11.8	-.9	.8	-.40
18:00	8.1	4.4	6.5	8.2	4.9	8.8	.6	1.7	-.19
19:00	5.4	2.2	4.1	5.5	2.7	5.9	-2.2	.4	-.15
20:00	5.6	1.5	3.6	5.6	1.9	6.0	-1.7	-.1	-.06
21:00	4.6	.8	2.7	4.6	1.1	5.0	.3	.3	.01
22:00	3.8	.9	2.0	3.8	1.2	4.2	.0	1.2	.01
23:00	3.9	.8	2.1	3.9	1.1	4.2	1.0	.3	.00
Avg	.0	2.7	3.9	4.9	3.2	5.3	.9	.1	-.08
Max	10.9	7.5	10.1	11.3	8.2	12.0	4.0	3.1	.09
Hr. of Max	13	13	13	13	13	13	05	12	05
Min	.0	.1	.3	.1	.5	.4	-2.2	-3.9	-.40
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/8/2015

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	-.10	19.2	23.4	25.6	17.9	24.2	14.5	9.8
01:00	.01	1.8	1.6	1.6	1.9	1.8	13.2	10.8
02:00	-.21	11.4	14.9	18.5	13.3	19.3	16.4	15.0
03:00	.05	3.2	8.5	11.9	3.7	8.7	14.5	17.8
04:00	-.11	7.1	9.8	11.4	8.7	11.1	15.0	13.1
05:00	.00	4.6	7.1	5.0	3.6	5.4	12.2	9.7
06:00	-.01	2.7	2.7	2.1	3.1	2.2	7.7	8.6
07:00	.08	5.0	4.8	3.7	3.0	3.6	10.1	9.3
08:00	-.05	1.4	1.8	2.3	2.1	3.7	23.4	13.2
09:00	-.21	6.4	7.3	8.0	7.5	8.7	26.8	20.3
10:00	-.06 P	<	<	<	<	<	<	<
11:00	-.27	16.3	19.5	15.6	16.4	16.9	18.5	13.5
12:00	.18	14.0	16.5	18.8	15.2	18.1	18.0	16.2
13:00	-.22	25.0	24.7	22.4	19.7	22.6	17.2	10.9
14:00	-.02	11.4	13.1	14.7	13.3	15.9	21.3	17.3
15:00	-.10	13.7	15.6	18.8	14.7	19.8	16.4	13.4
16:00	.02	14.0	23.8	25.0	14.6	18.2	18.3	13.2
17:00	-.03	14.4	17.6	18.8	16.9	20.7	17.4	9.7
18:00	.06	12.6	15.8	21.5	13.5	17.9	18.4	10.1
19:00	.01	7.1	12.6	12.4	6.1	9.3	11.2	6.8
20:00	-.02	2.7	6.4	8.2	3.2	8.0	4.7	3.2
21:00	.02	1.8	7.6	10.3	2.4	7.6	6.9	2.2
22:00	.08	2.5	4.4	7.3	2.9	6.1	6.2	2.7
23:00	.02	2.7	5.7	9.8	2.7	6.0	8.3	2.6
Avg	-.04	8.7	11.5	12.8	9.0	12.0	14.6	10.8
Max	.18	25.0	24.7	25.6	19.7	24.2	26.8	20.3
Hr. of Max	12	13	13	00	13	00	09	09
Min	-.27	1.4	1.6	1.6	1.9	1.8	4.7	2.2
Count	24	23	23	23	23	23	23	23
Total								