Date Printed: 04/09/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/8/2015

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	15.8	16.0	15.9	15.9	.15	.02	.06	-.13	-.09
01:00	15.7	15.8	15.7	15.7	.12	.01	.05	-.11	-.08
02:00	15.5	15.6	15.5	15.5	.10	.00	.04	-.10	-.06
03:00	15.2	15.2	15.1	15.2	.05	-.06	-.03	-.10	-.08
04:00	14.9	15.0	14.9	14.9	.05	-.05	-.03	-.11	-.08
05:00	14.6	14.7	14.5	14.6	.01	-.09	-.07	-.10	-.08
06:00	14.2	14.3	14.3	14.4	.07	.04	.11	-.03	.04
07:00	14.1	14.1	14.0	14.1	.02	-.07	.00	-.09	-.02
08:00	14.5	14.5	14.3	14.4	-.07	-.17	-.14	-.11	-.07
09:00	15.5	15.4	15.2	15.3	-.12	-.26	-.21	-.14	-.09
10:00	17.5 P	17.3 P	16.8 P	17.0 P	P	P	P	P	P
11:00	20.4	20.4	19.0	19.6	.01	-1.37	-.80	-1.38	-.81
12:00	23.3	22.6	22.1	21.9	-.66	-1.17	-1.33	-.51	-.67
13:00	25.4	24.7	24.3	24.2	-.68	-1.12	-1.20	-.44	-.52
14:00	26.7	26.0	25.6	25.6	-.73	-1.06	-1.15	-.33	-.42
15:00	27.5	27.0	26.6	26.5	-.55	-.91	-1.03	-.36	-.48
16:00	27.6	27.3	27.0	26.9	-.32	-.59	-.73	-.28	-.41
17:00	27.6	27.5	27.3	27.2	-.05	-.30	-.39	-.25	-.34
18:00	27.3	27.4	27.2	27.1	.09	-.12	-.19	-.21	-.28
19:00	25.6	26.5	26.4	26.5	.86	.83	.89	-.02	.03
20:00	21.9	25.0	25.4	25.7	3.07	3.54	3.86	.47	.79
21:00	22.8	24.8	25.4	25.8	2.06	2.59	2.99	.53	.92
22:00	19.9	23.7	24.4	24.8	3.82	4.57	4.99	.75	1.17
23:00	18.3	21.3	23.1	23.7	3.08	4.87	5.47	1.78	2.38
Avg	20.1	20.5	20.4	20.5	.45	.40	.49	-.06	.03
Max	27.6	27.5	27.3	27.2	3.82	4.87	5.47	1.78	2.38
Hr. of Max	17	17	17	17	22	23	23	23	23
Min	14.1	14.1	14.0	14.1	-.73	-1.37	-1.33	-1.38	-.81
Count	24	24	24	24	23	23	23	23	23
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/8/2015

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	15.2	15.5	15.4	14.8	98.0	98.7	13.0	13.2	0.011108
01:00	15.1	15.3	15.3	14.8	98.0	98.7	12.9	13.1	0.011005
02:00	14.9	15.1	15.1	14.7	97.9	98.7	12.7	12.9	0.01085
03:00	14.6	14.8	14.8	14.7	97.9	98.7	12.5	12.6	0.010649
04:00	14.3	14.5	14.5	14.7	97.9	98.7	12.3	12.4	0.010467
05:00	14.1	14.2	14.3	14.6	97.9	98.7	12.1	12.2	0.010277
06:00	13.7	13.9	13.9	14.6	97.9	98.7	11.8	12.0	0.010016
07:00	13.5	13.7	13.7	14.6	97.9	98.7	11.7	11.8	0.009912
08:00	14.0	14.0	14.1	14.5	98.0	98.7	12.0	12.1	0.010194
09:00	14.9	14.9	15.1	14.5	98.1	98.8	12.8	12.8	0.010867
10:00	P	P	P	14.6 P	94.3 P	94.3 P	P	P	P
11:00	16.6	16.6	17.9	14.9	80.7	80.5	14.0	14.0	0.012153
12:00	17.4	16.7	19.4	15.5	71.3	71.0	14.6	14.0	0.012834
13:00	17.1	16.5	19.9	16.2	61.9	62.0	14.3	13.8	0.012638
14:00	16.3	15.7	19.8	17.0	54.2	54.5	13.5	13.1	0.011995
15:00	15.7	15.1	19.7	17.7	50.0	49.5	13.0	12.5	0.011598
16:00	14.9	14.4	19.2	18.2	47.1	46.2	12.4	11.9	0.01102
17:00	14.6	14.1	18.9	18.5	46.3	45.0	12.1	11.8	0.010795
18:00	14.7	14.3	18.9	18.7	47.1	45.8	12.2	11.9	0.010835
19:00	15.2	14.7	18.6	18.7	53.9	49.5	12.6	12.2	0.011176
20:00	15.8	14.9	17.8	18.6	69.9	55.0	13.3	12.4	0.011613
21:00	14.4	13.5	17.2	18.5	61.0	50.6	12.1	11.4	0.010627
22:00	14.3	13.2	16.2	18.3	71.9	52.9	12.1	11.1	0.01053
23:00	14.1	13.3	15.5	18.0	77.9	61.2	12.0	11.3	0.010325
Avg	15.0	14.7	16.7	16.2	77.8	75.2	12.7	12.5	0.011021
Max	17.4	16.7	19.9	18.7	98.1	98.8	14.6	14.0	0.012834
Hr. of Max	12	12	13	19	09	09	12	12	12
Min	13.5	13.2	13.7	14.5	46.3	45.0	11.7	11.1	0.009912
Count	23	23	23	24	24	24	23	23	23
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/8/2015

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	0.011293	17.4	17.6	.00	29.20	989.0	-1.7	.00	77.4
01:00	0.011169	17.2	17.4	.00	29.21	989.2	-1.7	.00	16.7
02:00	0.011006	17.0	17.2	.00	29.20	988.9	-1.1	.00	263.8
03:00	0.010764	16.6	16.8	.00	29.20	988.8	-1.5	.00	185.8
04:00	0.010586	16.4	16.6	.00	29.20	989.0	-2.1	.00	166.2
05:00	0.01037	16.1	16.2	.00	29.21	989.1	-2.8	.00	241.9
06:00	0.010141	15.7	15.9	.00	29.22	989.4	-2.8	.00	274.3
07:00	0.009999	15.5	15.7	.00	29.23	990.1	20.6	.03	196.7
08:00	0.010223	16.0	16.0	.00	29.25	990.4	110.9	.16	233.1
09:00	0.010857	17.0	17.0	.00	29.24	990.3	214.2	.31	206.1
10:00	P	P	P	.00 P	29.23 P	990.0 P	516.7 P	.74 P	229.8 P
11:00	0.01212	19.0	18.9	.00	29.24	990.1	726.6	1.04	222.3
12:00	0.012266	20.0	19.1	.01	29.23	989.8	824.2	1.18	206.1
13:00	0.012152	19.7	18.9	.00	29.20	988.9	861.9	1.24	220.6
14:00	0.011554	18.7	18.0	.00	29.17	987.9	841.9	1.21	209.4
15:00	0.011111	18.1	17.3	.00	29.14	986.8	776.6	1.11	210.3
16:00	0.010615	17.2	16.5	.00	29.11	985.7	472.9	.68	195.2
17:00	0.010469	16.8	16.3	.00	29.09	985.3	285.1	.41	194.1
18:00	0.010581	16.9	16.5	.00	29.09	985.0	176.2	.25	189.3
19:00	0.010828	17.4	16.9	.00	29.09	985.0	46.2	.07	220.3
20:00	0.010995	18.1	17.1	.00	29.10	985.3	-.6	.00	208.4
21:00	0.01004	16.6	15.7	.00	29.12	986.1	-1.6	.00	223.3
22:00	0.009784	16.4	15.3	.00	29.12	986.2	-.9	.00	248.7
23:00	0.009832	16.1	15.3	.00	29.12	986.0	-.8	.00	62.5
Avg	0.010815	17.2	16.9	.00	29.18	988.0	244.0	.35	213.0
Max	0.012266	20.0	19.1	.01	29.25	990.4	861.9	1.24	274.3
Hr. of Max	12	12	12	12	08	08	13	13	06
Min	0.009784	15.5	15.3	.00	29.09	985.0	-2.8	.00	16.7
Count	23	23	23	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/8/2015

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	87.2	88.1	79.0	84.5	19.4	17.1	13.9	2.5	3.4
01:00	17.1	27.4	12.1	21.9	30.4	22.1	22.9	.5	.9
02:00	301.0	326.1	268.4	320.0	48.5	26.5	35.6	.7	.7
03:00	166.2	141.8	194.3	142.7	34.9	27.2	22.3	.4	.5
04:00	38.1	6.5	206.2	1.6	71.2	66.7	47.7	.2	.3
05:00	265.6	304.4	244.7	308.3	51.9	57.1	62.0	.3	.2
06:00	290.2	77.7	280.6	66.5	34.8	47.1	74.3	.3	.1
07:00	194.8	67.1	231.8	13.3	30.1	25.6	28.8	.3	.3
08:00	230.6	206.8	245.7	209.5	25.2	29.8	27.6	.8	.8
09:00	243.7	203.2	230.9	207.2	65.1	63.3	47.2	.3	.3
10:00	234.5 P	225.8 P	236.2 P	226.8 P	26.1 P	23.6 P	23.3 P	2.0 P	2.2 P
11:00	228.9	227.9	226.3	229.6	27.1	21.9	20.0	3.9	4.7
12:00	214.4	215.4	211.4	217.4	23.0	18.5	14.1	5.6	7.2
13:00	227.2	226.9	226.4	228.7	25.7	23.0	18.1	5.7	7.1
14:00	212.5	210.2	210.0	212.4	42.7	29.1	25.1	5.6	7.1
15:00	218.5	214.5	213.7	216.8	34.4	28.8	23.7	4.5	5.8
16:00	201.9	199.8	200.2	201.4	30.7	25.1	22.7	5.5	6.7
17:00	199.9	199.3	200.0	201.0	23.8	20.3	16.1	6.3	8.2
18:00	196.7	194.3	194.9	195.7	22.8	21.7	16.5	5.3	6.8
19:00	217.3	210.7	224.9	212.7	20.3	13.5	11.5	2.9	4.7
20:00	202.7	200.7	212.9	202.4	24.7	13.4	12.4	1.4	3.9
21:00	217.9	212.0	228.5	214.4	13.3	8.6	6.7	4.0	7.3
22:00	217.1	208.4	248.5	210.6	39.7	10.8	6.8	1.2	4.1
23:00	249.7	225.7	169.3	228.0	64.3	7.7	6.7	.0	1.9
Avg	223.0	207.0	222.0	217.0	34.6	27.0	25.3	.0	.0
Max	301.0	326.1	280.6	320.0	71.2	66.7	74.3	6.3	8.2
Hr. of Max	02	02	06	02	04	04	06	17	17
Min	17.1	6.5	12.1	1.6	13.3	7.7	6.7	.0	.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/8/2015

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	4.4	2.6	3.6	4.6	3.0	4.9	.3	-1.1	-.06
01:00	1.1	.8	1.3	1.3	1.2	1.7	-4.2	-1.0	-.10
02:00	.4	.7	.7	.5	1.1	1.0	-1.5	-5.7	-.03
03:00	.5	1.0	1.1	1.0	1.5	1.5	1.2	-4.6	.02
04:00	.5	.6	.6	.8	1.1	1.2	4.4	-4.1	.08
05:00	.1	.4	.4	.2	.9	.7	2.7	-5.7	.02
06:00	.1	.4	.4	.2	.9	.7	-2.1	-4.8	-.03
07:00	.1	.3	.5	.7	.7	1.1	2.0	-1.4	.04
08:00	.7	.9	.9	.8	1.5	1.3	-2.9	-2.8	-.08
09:00	.4	.5	.5	.7	1.0	1.2	-1.9	-10.9	.00
10:00	2.6 P	2.2 P	2.4 P	2.8 P	2.7 P	3.3 P	5.6 P	2.1 P	.27 P
11:00	5.3	4.3	4.9	5.6	4.9	6.2	2.0	2.8	.06
12:00	8.7	6.0	7.5	9.0	6.6	9.6	2.1	-1.0	.08
13:00	8.4	6.3	7.6	8.8	7.0	9.6	.6	.8	-.12
14:00	8.0	6.4	7.8	8.5	7.0	9.2	1.6	3.3	-.06
15:00	6.7	5.2	6.5	7.2	6.0	7.8	2.7	3.0	.08
16:00	7.9	6.4	7.6	8.7	7.0	9.3	.9	2.7	.01
17:00	9.6	6.9	8.7	9.9	7.4	10.5	1.5	-.4	-.02
18:00	8.6	5.7	7.2	8.9	6.3	9.4	.5	-.4	-.07
19:00	6.4	3.2	4.9	6.5	3.8	7.0	-1.0	.2	-.13
20:00	5.9	1.6	4.1	6.2	2.1	6.5	1.2	2.0	.00
21:00	9.9	4.1	7.5	10.0	4.6	10.6	-.9	-.1	-.14
22:00	6.6	1.4	4.2	6.7	1.7	7.1	1.7	.5	.02
23:00	3.5	.2	2.0	3.6	.6	3.9	3.1	.4	.04
Avg	.0	2.8	3.9	4.7	3.4	5.2	.8	-1.1	-.01
Max	9.9	6.9	8.7	10.0	7.4	10.6	5.6	3.3	.27
Hr. of Max	21	17	17	21	17	21	10	14	10
Min	.1	.2	.4	.2	.6	.7	-4.2	-10.9	-.14
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/8/2015

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	-.16	6.2	7.8	8.9	7.0	9.3	13.9	10.1
01:00	-.05	3.7	3.7	4.1	2.6	3.4	13.2	12.1
02:00	-.11	2.3	2.1	2.1	2.7	2.6	11.5	22.7
03:00	-.10	2.7	3.2	2.5	3.2	3.1	11.9	16.0
04:00	-.10	3.7	3.7	4.4	3.8	4.6	15.7	23.3
05:00	-.10	1.6	2.1	2.1	2.4	2.8	18.7	20.8
06:00	-.08	1.8	2.1	1.6	2.1	2.2	8.9	10.7
07:00	-.04	3.0	3.9	2.5	2.3	2.7	12.0	8.7
08:00	-.08	2.7	2.5	2.5	3.1	3.0	17.1	19.9
09:00	-.18	3.7	3.7	3.7	4.2	4.0	30.6	25.8
10:00	.13 P	<	<	<	<	<	<	<
11:00	.06	9.6	12.6	13.7	11.2	15.8	18.9	19.2
12:00	-.25	14.0	15.6	15.1	15.5	16.6	16.4	12.3
13:00	-.02	15.8	16.3	17.2	15.7	17.7	16.3	13.9
14:00	.11	14.2	19.7	19.7	16.6	20.8	19.6	17.4
15:00	.15	16.3	16.9	16.9	17.6	18.7	18.8	18.4
16:00	.22	19.9	23.8	18.5	17.7	21.8	16.6	16.2
17:00	-.25	17.6	17.2	21.1	17.5	23.6	16.2	11.7
18:00	-.21	13.7	14.9	18.5	15.2	19.8	15.9	12.3
19:00	-.05	9.8	15.1	17.4	9.4	14.4	11.5	8.2
20:00	.19	5.3	9.8	14.4	6.4	13.5	12.8	5.9
21:00	-.07	10.3	15.1	19.2	12.0	21.1	8.4	4.8
22:00	.04	6.9	11.2	17.6	5.8	13.4	10.8	4.5
23:00	.02	1.4	4.6	9.2	1.8	6.9	10.0	3.7
Avg	-.04	8.1	9.9	11.0	8.5	11.4	15.0	13.9
Max	.22	19.9	23.8	21.1	17.7	23.6	30.6	25.8
Hr. of Max	16	16	16	17	16	17	09	09
Min	-.25	1.4	2.1	1.6	1.8	2.2	8.4	3.7
Count	24	23	23	23	23	23	23	23
Total								