Date Printed: 07/07/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/6/2015

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	20.2	20.2	20.2	20.3	-.07	-.06	.09	.00	.16
01:00	19.9	20.0	20.0	20.1	.12	.10	.21	-.02	.10
02:00	19.3	19.5	19.6	19.8	.25	.28	.45	.04	.20
03:00	19.0	19.1	19.2	19.4	.08	.18	.45	.10	.38
04:00	19.0	19.0	18.9	19.3	-.07	-.12	.29	-.05	.36
05:00	19.2	19.2	19.2	19.4	-.05	-.05	.21	.00	.26
06:00	19.3	19.3	19.2	19.4	-.06	-.13	.02	-.06	.09
07:00	19.5	19.4	19.3	19.4	-.11	-.23	-.13	-.12	-.01
08:00	20.1	20.0	19.8	19.9	-.16	-.30	-.26	-.14	-.10
09:00	21.1	20.9	20.6	20.6	-.24	-.53	-.47	-.29	-.23
10:00	22.0	21.6	21.2	21.2	-.35	-.76	-.75	-.42	-.40
11:00	23.9	23.2	22.9	22.8	-.63	-1.00	-1.05	-.37	-.42
12:00	25.7	25.0	24.6	24.6	-.72	-1.08	-1.11	-.35	-.38
13:00	27.0	26.3	26.0	25.9	-.65	-.96	-1.06	-.31	-.41
14:00	28.0	27.3	27.0	26.9	-.70	-.99	-1.07	-.30	-.38
15:00	26.4	26.3	26.4	26.6	-.06	.05	.24	.11	.30
16:00	25.7	25.3	25.4	25.9	-.40	-.23	.24	.17	.64
17:00	28.5	28.2	27.9	27.7	-.36	-.64	-.80	-.27	-.43
18:00	28.3	28.1	27.9	27.8	-.22	-.45	-.54	-.23	-.32
19:00	26.1	27.0	27.2	27.3	.90	1.07	1.15	.17	.26
20:00	23.6	24.6	25.7	26.0	.94	2.09	2.38	1.15	1.44
21:00	22.5	23.4	24.1	24.8	.95	1.68	2.39	.73	1.44
22:00	21.9	22.7	23.2	24.1	.85	1.34	2.25	.49	1.40
23:00	21.1	21.9	22.5	23.3	.74	1.34	2.20	.60	1.46
Avg	22.8	22.8	22.8	23.0	.00	.03	.22	.03	.23
Max	28.5	28.2	27.9	27.8	.95	2.09	2.39	1.15	1.46
Hr. of Max	17	17	18	18	21	20	21	20	23
Min	19.0	19.0	18.9	19.3	-.72	-1.08	-1.11	-.42	-.43
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/6/2015

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	19.2	19.4	19.6	23.7	96.2	97.5	16.5	16.7	0.014397
01:00	18.9	19.3	19.2	23.6	96.1	97.9	16.2	16.6	0.014065
02:00	18.4	19.0	18.7	23.4	96.6	98.7	15.7	16.3	0.01365
03:00	18.1	18.5	18.4	23.3	96.9	99.0	15.5	15.9	0.013424
04:00	18.2	18.4	18.5	23.1	97.2	99.0	15.6	15.8	0.013499
05:00	18.4	18.6	18.7	23.0	97.4	99.0	15.8	16.0	0.013687
06:00	18.6	18.8	18.8	22.9	97.5	99.0	15.9	16.1	0.013793
07:00	18.8	18.9	19.0	22.8	97.6	99.0	16.1	16.2	0.013972
08:00	19.4	19.4	19.6	22.8	97.5	99.0	16.6	16.7	0.01448
09:00	19.8	20.0	20.2	22.8	94.2	97.2	17.0	17.3	0.014852
10:00	20.0	19.9	20.7	22.8	90.8	92.2	17.2	17.1	0.015087
11:00	20.1	19.5	21.3	23.0	81.3	81.4	17.2	16.6	0.015161
12:00	20.0	19.3	21.9	23.4	72.5	72.5	17.0	16.4	0.015104
13:00	19.8	19.2	22.2	24.1	66.7	66.6	16.8	16.2	0.014969
14:00	19.3	18.9	22.2	24.9	61.1	61.7	16.3	15.8	0.014559
15:00	20.4	19.9	22.4	25.4	72.6	70.3	17.5	16.9	0.015581
16:00	21.8	21.2	23.1	25.6	82.0	81.3	19.0	18.4	0.016958
17:00	19.7	19.1	22.7	25.7	60.8	59.7	16.7	16.1	0.014963
18:00	20.1	19.6	22.9	26.0	63.0	61.8	17.1	16.5	0.015325
19:00	21.1	20.1	22.8	26.1	76.3	68.0	18.2	17.1	0.016258
20:00	21.1	20.7	22.0	26.2	88.3	81.1	18.4	17.8	0.016278
21:00	20.7	21.1	21.3	26.1	92.1	89.1	17.9	18.3	0.015819
22:00	20.3	21.1	20.8	25.9	93.4	92.9	17.6	18.3	0.015458
23:00	19.8	20.9	20.3	25.6	94.4	96.4	17.1	18.2	0.014935
Avg	19.7	19.6	20.7	24.3	85.9	85.8	16.9	16.8	0.014845
Max	21.8	21.2	23.1	26.2	97.6	99.0	19.0	18.4	0.016958
Hr. of Max	16	16	16	20	07	08	16	16	16
Min	18.1	18.4	18.4	22.8	60.8	59.7	15.5	15.8	0.013424
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/6/2015

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	0.014532	22.4	22.6	.00	29.19	988.5	-2.6	.00	237.0
01:00	0.014419	21.9	22.4	.00	29.18	988.2	-2.8	.00	244.2
02:00	0.014158	21.2	22.0	.00	29.17	987.9	-3.0	.00	323.7
03:00	0.013774	20.9	21.4	.00	29.16	987.5	-2.9	.00	260.1
04:00	0.01369	21.0	21.3	.00	29.17	987.8	-2.1	.00	240.1
05:00	0.013859	21.3	21.5	.00	29.18	988.3	-1.5	.00	229.9
06:00	0.013949	21.5	21.7	.00	29.21	989.1	3.3	.00	215.5
07:00	0.014071	21.8	21.9	.00	29.23	990.0	39.5	.06	234.4
08:00	0.014548	22.5	22.6	.00	29.24	990.3	102.9	.15	220.8
09:00	0.01509	23.1	23.5	.00	29.24	990.3	215.9	.31	200.3
10:00	0.014996	23.5	23.3	.00	29.25	990.4	283.5	.41	204.2
11:00	0.0146	23.6	22.7	.00	29.25	990.4	789.0	1.13	199.0
12:00	0.014471	23.5	22.5	.00	29.24	990.2	941.8	1.35	198.2
13:00	0.014397	23.3	22.4	.00	29.23	989.8	903.1	1.29	192.8
14:00	0.014111	22.6	21.9	.00	29.21	989.1	726.9	1.04	220.3
15:00	0.015049	24.2	23.4	.01	29.20	988.7	228.8	.33	218.1
16:00	0.016399	26.2	25.4	.01	29.19	988.5	403.8	.58	325.5
17:00	0.014389	23.2	22.3	.00	29.17	987.9	410.0	.59	217.7
18:00	0.014825	23.7	23.0	.00	29.17	987.7	306.2	.44	225.2
19:00	0.015305	25.1	23.7	.00	29.15	987.2	159.2	.23	247.0
20:00	0.015819	25.2	24.5	.00	29.14	987.0	24.5	.04	316.7
21:00	0.016208	24.5	25.1	.00	29.15	987.1	-1.9	.00	335.3
22:00	0.016188	24.0	25.1	.00	29.17	987.7	-2.1	.00	307.3
23:00	0.015955	23.2	24.7	.00	29.19	988.4	-2.8	.00	276.7
Avg	0.014783	23.1	23.0	.00	29.20	988.7	229.9	.33	241.0
Max	0.016399	26.2	25.4	.01	29.25	990.4	941.8	1.35	335.3
Hr. of Max	16	16	16	16	11	11	12	12	21
Min	0.01369	20.9	21.3	.00	29.14	987.0	-3.0	.00	192.8
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/6/2015

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	247.6	248.2	237.7	249.5	11.8	7.2	5.1	1.3	2.5
01:00	243.6	232.1	244.8	233.9	27.2	10.4	8.1	.8	1.9
02:00	328.9	191.9	319.3	219.7	35.0	21.6	44.4	.6	.7
03:00	222.2	195.7	254.3	229.4	26.9	25.8	21.1	1.0	1.0
04:00	244.4	238.4	244.1	240.5	24.7	10.8	8.2	1.1	2.2
05:00	238.8	245.7	234.7	246.9	18.7	12.5	9.2	1.4	2.5
06:00	230.3	235.3	220.9	237.1	17.9	14.7	9.4	1.5	2.5
07:00	230.8	217.9	238.8	220.0	20.3	13.2	8.8	2.0	3.0
08:00	230.1	230.9	225.6	233.1	26.8	17.3	12.3	1.8	2.5
09:00	214.3	217.9	206.8	220.3	24.0	21.2	15.5	2.3	3.2
10:00	211.1	209.8	209.6	211.6	22.7	16.7	12.8	3.4	4.5
11:00	209.9	214.9	205.2	215.8	32.8	26.7	23.1	3.6	4.4
12:00	208.3	209.6	205.2	211.0	29.5	24.0	22.6	4.1	5.0
13:00	204.9	208.6	198.7	209.3	39.3	36.7	28.5	3.0	3.6
14:00	224.2	219.9	225.7	221.3	34.3	32.0	29.1	2.8	3.9
15:00	211.4	210.6	228.9	215.7	57.5	41.9	29.2	1.4	1.9
16:00	293.9	244.2	299.1	248.4	54.1	50.8	55.5	.3	.7
17:00	221.3	222.0	222.1	223.8	29.6	21.8	18.5	3.5	4.8
18:00	225.9	222.2	230.4	224.2	27.1	22.4	16.3	2.7	4.0
19:00	212.1	201.3	249.3	202.9	23.7	14.7	9.6	1.0	2.3
20:00	56.5	122.3	313.3	117.5	11.3	31.6	18.0	.8	.6
21:00	52.2	75.7	330.9	68.1	16.0	13.9	31.6	.5	1.0
22:00	39.9	172.8	305.2	173.2	26.2	37.3	26.6	.5	.3
23:00	208.6	235.3	267.5	237.3	38.7	34.8	13.8	.5	.3
Avg	228.0	214.0	243.0	220.0	28.2	23.3	19.9	.0	.0
Max	328.9	248.2	330.9	249.5	57.5	50.8	55.5	4.1	5.0
Hr. of Max	02	00	21	00	15	16	16	12	12
Min	39.9	75.7	198.7	68.1	11.3	7.2	5.1	.3	.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/6/2015

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	3.4	1.3	2.6	3.5	1.8	3.8	-.9	1.1	-.05
01:00	2.8	.8	1.9	2.9	1.3	3.1	-.2	-.1	-.02
02:00	.9	1.1	1.2	1.5	1.5	1.8	1.3	-.2	-.01
03:00	1.2	1.0	1.2	1.2	1.4	1.6	.7	.3	-.02
04:00	3.6	1.3	2.4	3.7	1.7	4.0	2.1	.4	.01
05:00	3.8	1.6	2.5	3.8	1.9	4.1	1.4	1.0	-.01
06:00	3.2	1.6	2.5	3.3	2.1	3.6	3.7	1.9	.06
07:00	3.7	2.1	3.0	3.8	2.6	4.1	-.4	-.9	-.09
08:00	3.2	2.0	2.6	3.3	2.4	3.6	2.4	1.5	.04
09:00	4.0	2.5	3.4	4.2	3.1	4.5	4.9	-.5	.17
10:00	5.4	3.6	4.6	5.5	4.1	5.9	3.5	2.5	.10
11:00	4.7	4.1	4.7	5.0	4.8	5.6	.1	2.9	-.09
12:00	5.5	4.6	5.4	5.8	5.2	6.4	-2.8	-3.7	-.31
13:00	4.1	3.5	4.1	4.6	4.2	5.2	-.7	1.2	-.17
14:00	4.4	3.7	4.6	5.1	4.2	5.6	-1.1	.7	-.17
15:00	2.5	3.3	4.6	4.9	3.7	5.3	1.7	1.7	-.03
16:00	.8	1.7	2.8	2.9	2.1	3.3	-3.6	1.0	-.16
17:00	5.9	3.9	5.2	6.2	4.4	6.7	.4	.3	-.16
18:00	5.1	3.0	4.3	5.3	3.5	5.7	-.6	.9	-.18
19:00	3.7	1.4	2.4	3.8	1.7	4.1	3.5	.9	.04
20:00	.9	.8	.7	1.3	1.2	1.6	.3	-.5	.00
21:00	.2	.6	1.1	.2	.9	.7	.9	-3.1	.02
22:00	.5	.5	.4	.6	.9	1.0	1.4	-1.2	.02
23:00	1.7	.6	.4	1.8	1.0	2.1	1.8	1.6	.03
Avg	.0	2.1	2.9	3.5	2.6	3.9	.8	.4	-.04
Max	5.9	4.6	5.4	6.2	5.2	6.7	4.9	2.9	.17
Hr. of Max	17	12	12	17	12	17	09	11	09
Min	.2	.5	.4	.2	.9	.7	-3.6	-3.7	-.31
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/6/2015

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	.07	3.0	4.8	8.2	3.9	5.6	8.8	3.2
01:00	.00	2.7	7.8	10.3	3.0	5.6	6.8	2.5
02:00	-.03	2.7	4.6	5.3	3.1	3.9	10.5	7.2
03:00	.00	2.7	3.2	3.9	3.1	4.3	7.9	8.5
04:00	.03	3.4	4.1	5.3	3.8	5.6	15.5	3.1
05:00	.06	3.7	4.8	9.2	4.3	8.0	14.9	4.0
06:00	.10	4.4	4.8	5.5	4.8	6.0	15.5	4.3
07:00	-.07	5.5	6.9	7.3	5.7	7.1	14.0	4.8
08:00	.05	6.4	6.4	8.0	5.4	6.5	19.2	11.0
09:00	-.07	5.7	6.9	8.0	7.1	8.2	20.3	11.3
10:00	.13	8.2	8.7	11.4	8.5	10.8	19.2	12.3
11:00	.21	13.3	10.1	11.4	10.8	12.1	17.4	19.8
12:00	-.51	9.4	11.4	11.2	10.5	11.8	17.0	16.6
13:00	.00	10.5	10.8	11.0	9.8	12.1	22.4	24.9
14:00	-.05	9.4	16.7	18.5	10.8	12.5	18.9	18.9
15:00	.04	11.7	12.8	12.6	13.6	13.9	19.7	14.6
16:00	.04	9.6	9.4	11.4	9.2	11.1	23.9	22.5
17:00	-.04	10.1	10.3	10.8	11.6	12.2	19.1	13.7
18:00	.02	8.5	9.4	10.1	9.9	11.0	20.0	10.8
19:00	.05	7.1	8.2	12.4	5.1	8.4	13.7	6.7
20:00	-.02	3.4	1.8	5.5	2.2	4.3	7.5	6.2
21:00	-.04	3.0	3.0	1.6	2.5	2.0	8.3	11.7
22:00	-.03	1.6	2.3	2.5	2.1	3.0	7.2	9.6
23:00	.05	2.3	1.6	3.7	2.5	3.9	6.8	5.6
Avg	.00	6.2	7.1	8.5	6.4	7.9	14.8	10.6
Max	.21	13.3	16.7	18.5	13.6	13.9	23.9	24.9
Hr. of Max	11	11	14	14	15	15	16	13
Min	-.51	1.6	1.6	1.6	2.1	2.0	6.8	2.5
Count	24	24	24	24	24	24	24	24
Total								