Date Printed: 04/28/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/27/2015

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	7.3	8.5	9.3	9.7	1.18	1.97	2.37	.79	1.19
01:00	6.9	8.2	8.7	9.6	1.29	1.76	2.62	.47	1.33
02:00	6.7	7.9	8.3	8.8	1.19	1.63	2.08	.44	.89
03:00	5.8	7.2	7.8	8.3	1.43	1.99	2.49	.55	1.06
04:00	4.9	6.6	7.1	7.8	1.65	2.18	2.81	.54	1.17
05:00	4.2	5.7	6.4	7.2	1.50	2.13	3.02	.63	1.52
06:00	3.8	4.9	5.7	6.7	1.14	1.89	2.98	.75	1.84
07:00	4.1	4.7	5.3	6.4	.64	1.25	2.27	.61	1.63
08:00	7.6	7.4	7.2	7.6	-.26	-.46	-.02	-.20	.24
09:00	10.9	10.5	10.2	10.1	-.49	-.73	-.87	-.24	-.39
10:00	13.4	12.7	12.2	12.0	-.70	-1.13	-1.35	-.43	-.65
11:00	14.5	13.8	13.4	13.1	-.73	-1.17	-1.44	-.43	-.70
12:00	15.7	14.9	14.4	14.1	-.72	-1.21	-1.53	-.49	-.81
13:00	16.6	15.7	15.3	15.0	-.85	-1.29	-1.55	-.44	-.70
14:00	17.5	16.6	16.1	15.9	-.91	-1.37	-1.58	-.46	-.67
15:00	18.1	17.3	17.0	16.8	-.79	-1.15	-1.36	-.36	-.56
16:00	18.7	18.1	17.7	17.5	-.62	-.98	-1.15	-.37	-.53
17:00	18.5	18.0	17.7	17.5	-.51	-.85	-1.04	-.34	-.53
18:00	18.0	17.9	17.6	17.5	-.15	-.40	-.54	-.25	-.39
19:00	16.6	17.3	17.3	17.3	.74	.73	.72	-.01	-.02
20:00	12.8	15.2	15.9	16.3	2.37	3.06	3.46	.69	1.09
21:00	10.4	12.9	14.0	15.0	2.50	3.64	4.61	1.14	2.11
22:00	8.7	11.2	12.7	13.9	2.44	3.95	5.17	1.51	2.73
23:00	7.7	10.2	11.7	12.8	2.52	4.00	5.05	1.48	2.53
Avg	11.2	11.8	12.0	12.4	.58	.81	1.13	.23	.56
Max	18.7	18.1	17.7	17.5	2.52	4.00	5.17	1.51	2.73
Hr. of Max	16	16	17	18	23	23	22	22	22
Min	3.8	4.7	5.3	6.4	-.91	-1.37	-1.58	-.49	-.81
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/27/2015

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	6.4	7.6	6.7	16.4	95.0	95.2	7.4	8.0	0.006166
01:00	6.1	7.5	6.4	16.1	95.0	96.2	7.3	8.0	0.006021
02:00	5.9	7.2	6.2	15.8	95.3	96.4	7.2	7.8	0.005946
03:00	5.0	6.6	5.2	15.5	95.4	96.6	6.8	7.5	0.005578
04:00	4.1	6.0	4.4	15.3	95.4	96.7	6.4	7.2	0.005263
05:00	3.4	5.1	3.7	15.0	95.4	96.8	6.1	6.8	0.005001
06:00	3.0	4.3	3.3	14.7	95.5	96.9	5.9	6.5	0.004845
07:00	3.4	4.2	3.6	14.5	95.9	97.2	6.1	6.4	0.004979
08:00	5.8	5.3	6.4	14.2	89.4	88.0	7.1	6.9	0.005917
09:00	5.8	4.6	7.5	14.0	71.8	68.0	7.1	6.5	0.005925
10:00	1.7	.1	5.6	14.0	46.0	42.8	5.3	4.7	0.004464
11:00	.3	-1.2	5.1	14.3	38.5	36.2	4.8	4.3	0.00404
12:00	.1	-1.3	5.3	14.8	35.2	33.5	4.7	4.3	0.003975
13:00	.0	-1.6	5.5	15.4	33.2	31.1	4.7	4.1	0.003975
14:00	.0	-1.7	5.8	16.0	31.2	29.3	4.6	4.1	0.003967
15:00	.1	-1.5	6.1	16.5	30.3	28.2	4.7	4.2	0.004014
16:00	.3	-1.2	6.5	16.7	29.8	27.6	4.8	4.2	0.004083
17:00	.7	-.7	6.6	16.9	30.8	28.8	4.9	4.4	0.004168
18:00	.5	-.5	6.4	17.0	31.3	29.5	4.8	4.5	0.004118
19:00	1.8	.0	6.7	17.0	38.0	31.7	5.3	4.6	0.004504
20:00	4.5	1.0	7.3	16.9	57.6	38.7	6.4	5.0	0.0054
21:00	4.3	2.1	6.3	16.7	67.1	48.8	6.4	5.4	0.005333
22:00	4.4	3.6	5.8	16.4	75.2	60.3	6.5	6.0	0.005355
23:00	4.3	3.8	5.5	16.1	79.8	64.8	6.4	6.1	0.005315
Avg	3.0	2.5	5.7	15.7	64.5	60.8	5.9	5.7	0.004931
Max	6.4	7.6	7.5	17.0	95.9	97.2	7.4	8.0	0.006166
Hr. of Max	00	00	09	19	07	07	00	01	00
Min	.0	-1.7	3.3	14.0	29.8	27.6	4.6	4.1	0.003967
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/27/2015

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	0.006699	9.6	10.4	.00	28.95	980.5	-2.5	.00	254.0
01:00	0.006656	9.4	10.4	.00	28.95	980.4	-1.2	.00	283.6
02:00	0.006526	9.3	10.2	.00	28.94	980.1	-1.5	.00	317.8
03:00	0.006238	8.7	9.7	.00	28.94	980.1	-2.4	.00	307.8
04:00	0.005984	8.2	9.3	.00	28.95	980.5	-1.9	.00	302.0
05:00	0.005641	7.8	8.8	.00	28.96	980.9	-2.2	.00	272.8
06:00	0.005329	7.6	8.3	.00	28.98	981.5	-.4	.00	234.7
07:00	0.005272	7.8	8.3	.00	29.01	982.4	64.0	.09	134.8
08:00	0.005717	9.3	9.0	.00	29.03	983.1	290.2	.42	142.2
09:00	0.005433	9.3	8.5	.00	29.04	983.5	540.8	.78	149.4
10:00	0.003971	7.0	6.2	.00	29.06	984.1	752.0	1.08	52.1
11:00	0.003615	6.3	5.7	.00	29.06	984.1	901.9	1.29	70.6
12:00	0.003602	6.2	5.7	.00	29.05	983.6	994.4	1.43	59.0
13:00	0.003516	6.2	5.5	.00	29.02	982.8	1022.9	1.47	73.7
14:00	0.003511	6.2	5.5	.00	29.01	982.3	970.1	1.39	59.1
15:00	0.003548	6.3	5.6	.00	29.01	982.4	899.4	1.29	87.3
16:00	0.003628	6.4	5.7	.00	29.00	982.0	658.6	.94	79.9
17:00	0.003775	6.5	5.9	.00	28.99	981.7	427.7	.61	66.1
18:00	0.003834	6.5	6.0	.00	29.00	981.9	288.8	.41	70.7
19:00	0.003971	7.1	6.2	.00	28.99	981.9	90.0	.13	48.7
20:00	0.004233	8.5	6.6	.00	29.01	982.4	1.6	.00	337.8
21:00	0.004575	8.4	7.2	.00	29.05	983.7	-2.1	.00	343.3
22:00	0.005054	8.4	7.9	.00	29.06	984.0	-2.6	.00	64.6
23:00	0.00512	8.3	8.0	.00	29.05	983.8	-2.7	.00	23.8
Avg	0.00481	7.7	7.5	.00	29.00	982.2	328.5	.47	41.0
Max	0.006699	9.6	10.4	.00	29.06	984.1	1022.9	1.47	343.3
Hr. of Max	00	00	01	23	22	11	13	13	21
Min	0.003511	6.2	5.5	.00	28.94	980.1	-2.7	.00	23.8
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/27/2015

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	214.8	272.3	248.7	270.0	31.7	32.9	47.1	1.5	1.9
01:00	180.7	236.5	285.6	238.8	62.0	39.0	62.9	.5	.3
02:00	67.3	135.5	301.1	130.5	48.4	52.8	42.3	.4	.5
03:00	54.7	79.7	303.2	59.5	42.1	50.8	39.4	.3	.5
04:00	56.9	73.5	289.1	78.9	42.5	43.1	38.6	.6	.1
05:00	46.6	127.6	272.3	132.9	61.3	55.4	54.6	.5	.4
06:00	19.1	255.6	247.2	268.3	64.3	53.7	45.4	1.1	.1
07:00	49.8	21.6	163.5	7.4	25.3	48.3	48.6	.3	.9
08:00	108.8	85.4	157.8	81.3	30.9	33.7	15.3	.4	.4
09:00	144.9	134.6	158.1	133.9	44.5	40.5	36.7	1.3	1.5
10:00	46.7	46.2	56.3	42.4	43.8	27.6	22.2	4.3	7.7
11:00	64.0	58.3	72.0	54.3	29.5	23.5	18.6	6.2	8.1
12:00	51.9	52.3	61.1	48.2	40.6	32.3	28.2	4.5	6.6
13:00	72.1	70.0	77.6	66.0	35.4	33.9	27.3	5.4	7.0
14:00	56.2	52.6	59.7	48.5	40.4	29.9	24.7	4.9	7.3
15:00	75.4	66.8	88.9	62.9	44.0	35.1	29.0	3.9	5.0
16:00	73.9	67.8	83.1	63.2	51.7	41.7	39.3	2.9	3.7
17:00	65.4	64.3	68.0	59.9	33.7	25.4	21.0	4.2	5.9
18:00	70.3	68.9	71.9	64.7	28.9	20.5	16.2	4.0	5.9
19:00	59.4	61.3	51.0	56.7	36.3	21.7	14.5	2.4	4.9
20:00	35.1	36.3	334.8	31.0	30.9	41.5	19.7	1.3	2.7
21:00	41.2	32.8	337.3	26.9	41.2	35.4	14.8	.8	2.5
22:00	42.4	28.7	70.1	22.3	34.6	17.7	9.6	.8	3.2
23:00	60.9	51.1	32.3	46.0	33.2	13.5	8.2	.4	2.3
Avg	64.0	64.0	43.0	57.0	40.7	35.4	30.2	.0	.0
Max	214.8	272.3	337.3	270.0	64.3	55.4	62.9	6.2	8.1
Hr. of Max	00	00	21	00	06	05	01	11	11
Min	19.1	21.6	32.3	7.4	25.3	13.5	8.2	.3	.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/27/2015

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	1.3	1.6	2.1	1.7	2.0	2.1	1.4	1.5	.02
01:00	.8	.6	.5	1.2	1.0	1.5	2.2	.6	.04
02:00	.4	.7	.7	.6	1.1	1.0	1.8	-.8	.04
03:00	.2	.4	.7	.3	.9	.7	.8	-.3	.01
04:00	.2	.7	.7	.6	1.1	1.1	.9	1.2	.00
05:00	.0	.6	.5	.3	1.0	.8	1.1	-1.4	.01
06:00	.2	1.1	.6	.2	1.6	.8	1.8	.1	.04
07:00	1.1	.4	.9	1.2	.9	1.5	2.0	-.5	.02
08:00	1.3	.5	.7	1.6	1.1	2.0	6.9	-2.4	.18
09:00	1.5	2.1	2.2	2.4	2.7	3.0	3.7	1.4	.13
10:00	9.4	5.3	8.4	9.9	6.0	10.7	1.5	2.6	-.30
11:00	9.7	7.0	8.7	10.2	7.7	11.0	-.5	-1.9	-.22
12:00	8.2	5.4	7.3	8.8	6.2	9.6	.5	3.5	-.18
13:00	8.1	6.3	8.0	8.9	7.1	9.6	-2.8	1.3	-.34
14:00	8.4	6.3	8.4	9.3	6.9	10.0	-1.9	-2.2	-.43
15:00	6.0	4.9	5.9	6.8	5.5	7.6	1.4	-2.4	.00
16:00	3.9	4.4	5.4	5.8	5.1	6.5	2.9	2.9	.11
17:00	6.9	5.3	7.1	7.8	5.9	8.4	-1.1	-.6	-.27
18:00	7.1	4.4	6.3	7.4	4.9	7.9	-.7	-.3	-.23
19:00	6.2	3.0	5.3	6.5	3.5	6.9	-.9	-1.1	-.16
20:00	3.9	1.5	2.8	4.1	1.8	4.5	-.8	.3	-.08
21:00	5.1	1.0	2.7	5.2	1.4	5.6	-.2	1.0	-.06
22:00	6.5	1.0	3.4	6.6	1.4	7.0	3.5	2.1	.09
23:00	4.3	.5	2.5	4.7	.7	5.0	1.4	2.3	.02
Avg	.0	2.7	3.8	4.7	3.2	5.2	1.0	.3	-.07
Max	9.7	7.0	8.7	10.2	7.7	11.0	6.9	3.5	.18
Hr. of Max	11	11	11	11	11	11	08	12	08
Min	.0	.4	.5	.2	.7	.7	-2.8	-2.4	-.43
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/27/2015

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	.05	4.8	5.5	5.5	5.0	6.3	10.6	20.3
01:00	.05	2.5	2.1	3.9	3.0	4.4	8.5	13.9
02:00	-.02	2.3	2.5	2.3	2.6	2.6	6.9	7.8
03:00	.00	2.7	2.7	2.1	3.0	2.4	8.3	9.6
04:00	.03	2.3	2.7	2.3	2.6	2.6	7.8	9.5
05:00	-.03	2.1	2.1	1.8	2.6	2.0	7.9	17.3
06:00	.01	3.0	2.1	1.6	3.5	2.1	5.9	11.5
07:00	.00	3.0	2.3	3.0	2.8	3.1	11.0	10.8
08:00	-.07	2.5	3.0	3.4	3.3	3.7	26.3	16.8
09:00	.12	6.2	7.3	7.8	8.2	8.3	25.8	25.3
10:00	.07	16.7	18.5	19.7	18.6	21.3	24.2	16.7
11:00	-.47	19.5	20.8	20.8	21.4	22.3	20.0	14.7
12:00	.24	15.3	18.8	25.0	15.6	20.5	22.7	20.1
13:00	.05	16.0	17.6	21.1	18.3	21.5	19.1	17.9
14:00	-.39	16.7	20.2	19.0	21.3	20.3	20.9	15.6
15:00	-.25	16.0	20.6	22.9	14.8	20.9	23.5	21.9
16:00	.28	13.1	16.9	15.8	13.8	17.1	24.1	22.9
17:00	-.21	15.6	19.7	22.7	14.3	15.3	19.1	14.6
18:00	-.11	12.6	16.0	24.5	14.0	14.6	21.2	13.5
19:00	-.24	9.2	11.7	16.3	11.4	13.1	19.3	11.4
20:00	-.05	4.8	12.8	14.7	5.8	10.4	12.9	9.7
21:00	.06	5.0	11.0	15.8	4.6	12.7	11.8	5.8
22:00	.22	2.7	9.4	12.4	3.1	13.1	12.7	6.1
23:00	.19	2.3	5.5	12.1	2.8	10.6	10.2	4.9
Avg	-.02	8.2	10.5	12.4	9.0	11.3	15.9	14.1
Max	.28	19.5	20.8	25.0	21.4	22.3	26.3	25.3
Hr. of Max	16	11	11	12	11	11	08	09
Min	-.47	2.1	2.1	1.6	2.6	2.0	5.9	4.9
Count	24	24	24	24	24	24	24	24
Total								