Date Printed: 09/20/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/19/2015

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	16.4	17.4	17.6	18.0	1.00	1.20	1.59	.20	.59
01:00	15.4	16.8	17.1	17.7	1.35	1.69	2.27	.33	.92
02:00	15.0	16.3	16.7	17.3	1.30	1.65	2.25	.36	.95
03:00	14.7	16.0	16.2	16.8	1.35	1.52	2.11	.17	.76
04:00	14.4	15.7	16.0	16.5	1.29	1.56	2.05	.27	.77
05:00	14.2	15.4	15.7	16.1	1.24	1.53	1.95	.29	.71
06:00	13.8	15.1	15.4	15.7	1.32	1.57	1.91	.25	.59
07:00	13.7	14.6	15.0	15.6	.86	1.29	1.89	.44	1.03
08:00	15.8	15.5	15.6	16.0	-.27	-.24	.20	.02	.46
09:00	18.7	18.4	18.2	18.2	-.33	-.52	-.51	-.19	-.18
10:00	21.4	20.7	20.5	20.3	-.73	-.92	-1.10	-.20	-.37
11:00	24.2	23.3	23.0	22.9	-.94	-1.23	-1.32	-.30	-.38
12:00	25.6	24.7	24.4	24.4	-.82	-1.11	-1.17	-.29	-.35
13:00	27.6	26.4	26.0	25.9	-1.22	-1.62	-1.69	-.40	-.47
14:00	28.5	27.2	26.9	26.7	-1.25	-1.60	-1.71	-.34	-.46
15:00	28.7	27.7	27.4	27.3	-1.01	-1.35	-1.44	-.35	-.44
16:00	28.8	28.0	27.7	27.6	-.81	-1.10	-1.28	-.29	-.46
17:00	28.8	28.2	27.9	27.8	-.59	-.89	-1.00	-.30	-.40
18:00	25.7	26.2	26.7	27.0	.51	.94	1.28	.44	.78
19:00	22.8	23.6	24.8	25.4	.85	1.96	2.58	1.11	1.73
20:00	21.0	22.4	23.2	23.8	1.37	2.20	2.83	.83	1.45
21:00	19.9	21.3	21.7	22.2	1.37	1.86	2.33	.49	.95
22:00	19.2	20.3	20.8	21.4	1.08	1.58	2.13	.50	1.05
23:00	18.8	19.8	20.3	21.0	.96	1.44	2.20	.47	1.24
Avg	20.5	20.9	21.0	21.3	.33	.48	.76	.15	.44
Max	28.8	28.2	27.9	27.8	1.37	2.20	2.83	1.11	1.73
Hr. of Max	17	17	17	17	21	20	20	19	19
Min	13.7	14.6	15.0	15.6	-1.25	-1.62	-1.71	-.40	-.47
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/19/2015

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	15.1	15.9	15.5	22.8	93.4	92.8	12.8	13.5	0.011043
01:00	14.0	15.6	14.5	22.7	92.7	94.5	12.0	13.3	0.010306
02:00	13.6	15.4	14.1	22.6	93.0	96.1	11.8	13.1	0.010051
03:00	13.3	15.2	13.8	22.5	93.1	96.7	11.5	13.0	0.00983
04:00	13.1	14.9	13.5	22.3	93.4	96.8	11.4	12.7	0.009699
05:00	13.0	14.6	13.4	22.2	94.2	96.7	11.3	12.5	0.009636
06:00	12.7	14.4	13.1	22.1	94.2	96.6	11.1	12.3	0.009422
07:00	12.6	13.8	13.0	21.9	94.4	96.7	11.0	11.9	0.009375
08:00	13.9	14.3	14.5	21.8	90.1	93.9	11.9	12.2	0.010229
09:00	15.8	15.0	16.8	21.7	84.9	82.1	13.4	12.7	0.011594
10:00	16.4	15.6	18.1	21.7	74.6	74.4	13.8	13.2	0.012043
11:00	16.6	16.2	19.2	21.7	64.1	66.1	13.9	13.6	0.012267
12:00	17.0	16.6	19.9	21.9	60.7	62.0	14.2	13.8	0.012577
13:00	16.5	16.0	20.2	22.1	52.3	54.4	13.7	13.3	0.012211
14:00	15.4	15.1	19.7	22.3	46.3	48.9	12.7	12.5	0.011393
15:00	15.7	15.4	20.0	22.6	46.5	48.2	13.0	12.7	0.011626
16:00	15.4	15.0	19.9	22.8	45.3	46.3	12.7	12.4	0.011414
17:00	16.0	15.5	20.3	23.0	47.2	47.3	13.2	12.8	0.011853
18:00	17.5	16.8	20.2	23.2	62.5	58.0	14.6	14.0	0.012988
19:00	18.2	17.9	19.7	23.4	77.0	71.9	15.3	15.0	0.01354
20:00	17.6	18.0	18.8	23.4	83.0	78.0	14.9	15.2	0.013082
21:00	17.4	18.1	18.2	23.4	87.2	83.8	14.7	15.3	0.012837
22:00	17.2	18.1	17.9	23.4	89.7	89.3	14.6	15.4	0.012674
23:00	17.0	18.1	17.6	23.3	91.1	91.8	14.4	15.4	0.012554
Avg	15.5	15.9	17.2	22.5	77.1	77.6	13.1	13.4	0.011427
Max	18.2	18.1	20.3	23.4	94.4	96.8	15.3	15.4	0.01354
Hr. of Max	19	23	17	22	07	04	19	23	19
Min	12.6	13.8	13.0	21.7	45.3	46.3	11.0	11.9	0.009375
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/19/2015

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	0.011686	17.2	18.1	.00	29.05	983.9	-3.0	.00	56.5
01:00	0.01145	16.0	17.8	.00	29.05	983.8	-2.9	.00	289.4
02:00	0.011291	15.6	17.5	.00	29.06	984.0	-2.7	.00	263.1
03:00	0.011134	15.3	17.3	.00	29.06	984.2	-3.6	-.01	220.6
04:00	0.010924	15.1	17.0	.00	29.06	984.1	-3.6	-.01	281.7
05:00	0.010717	15.0	16.7	.00	29.05	983.8	-3.7	-.01	331.6
06:00	0.010533	14.7	16.4	.00	29.06	984.1	-2.2	.00	253.8
07:00	0.010155	14.6	15.8	.00	29.07	984.5	22.0	.03	242.2
08:00	0.010475	15.9	16.3	.00	29.08	985.0	197.0	.28	170.6
09:00	0.01097	18.0	17.1	.00	29.09	985.2	319.2	.46	167.7
10:00	0.011481	18.7	17.9	.00	29.10	985.3	549.6	.79	213.0
11:00	0.011958	19.1	18.6	.00	29.09	985.2	717.7	1.03	221.5
12:00	0.012248	19.5	19.0	.00	29.09	985.0	564.6	.81	223.4
13:00	0.011826	19.0	18.4	.00	29.07	984.4	864.8	1.24	207.8
14:00	0.011178	17.7	17.4	.00	29.05	983.7	818.1	1.17	229.5
15:00	0.011367	18.0	17.6	.00	29.04	983.3	705.9	1.01	255.6
16:00	0.011122	17.7	17.3	.00	29.02	982.9	587.8	.84	225.2
17:00	0.011468	18.4	17.8	.00	29.02	982.8	292.6	.42	235.0
18:00	0.012454	20.1	19.3	.00	29.02	982.8	74.5	.11	268.7
19:00	0.013322	20.9	20.6	.00	29.02	982.8	12.5	.02	306.9
20:00	0.013378	20.2	20.7	.00	29.02	982.8	-1.8	.00	308.9
21:00	0.013426	19.9	20.8	.00	29.04	983.6	-2.8	.00	321.3
22:00	0.013497	19.6	20.9	.00	29.05	983.9	-3.1	.00	277.9
23:00	0.013426	19.5	20.8	.00	29.05	983.9	-1.7	.00	286.3
Avg	0.011729	17.7	18.2	.00	29.05	984.0	237.3	.34	253.0
Max	0.013497	20.9	20.9	.00	29.10	985.3	864.8	1.24	331.6
Hr. of Max	22	19	22	23	10	10	13	13	05
Min	0.010155	14.6	15.8	.00	29.02	982.8	-3.7	-.01	56.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/19/2015

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	65.4	55.3	61.3	52.4	36.6	6.7	6.9	1.2	2.5
01:00	110.2	37.8	280.6	34.2	54.7	25.5	22.5	.6	.2
02:00	183.4	251.0	255.4	252.0	14.4	41.0	17.9	.4	.6
03:00	189.8	40.8	223.5	53.3	39.4	24.1	42.8	.0	.6
04:00	78.6	72.4	268.3	67.9	59.0	25.6	17.2	.2	.2
05:00	61.3	54.2	321.1	49.3	49.0	21.1	14.6	.5	.8
06:00	104.0	65.5	260.4	61.5	46.4	16.1	25.6	.1	.1
07:00	220.1	222.4	244.7	244.2	16.8	28.7	27.2	1.6	1.4
08:00	102.7	321.6	184.0	327.1	54.9	24.5	25.6	.1	.1
09:00	138.4	236.9	171.3	229.5	29.3	23.2	40.8	.9	.8
10:00	209.9	212.4	217.5	212.1	44.1	40.2	34.2	1.5	1.6
11:00	223.6	227.7	227.9	229.3	40.4	34.5	22.0	2.9	3.6
12:00	239.8	245.2	229.2	244.6	35.9	33.3	29.7	3.2	4.0
13:00	216.9	219.5	211.3	219.9	36.9	33.4	29.3	4.3	5.3
14:00	237.8	240.0	235.9	241.3	41.1	34.9	29.2	4.0	5.2
15:00	260.3	259.5	258.9	261.5	49.0	41.0	32.8	3.0	4.0
16:00	234.0	242.8	231.7	243.5	46.6	38.1	30.9	2.4	3.0
17:00	243.7	244.7	237.0	245.2	33.5	30.3	21.7	2.4	2.9
18:00	231.4	222.2	269.0	224.4	18.2	13.0	11.4	1.2	2.5
19:00	108.6	223.1	308.4	205.9	17.6	36.4	19.7	.7	.1
20:00	71.4	24.0	316.1	43.4	19.4	23.2	39.1	.6	.5
21:00	78.9	49.2	332.8	54.7	20.9	17.9	26.8	.4	.7
22:00	86.6	56.7	275.8	62.9	17.2	9.1	24.5	.5	.1
23:00	189.6	240.0	287.3	240.3	41.1	40.9	14.9	.9	.9
Avg	166.0	253.0	254.0	251.0	35.9	27.6	25.3	.0	.0
Max	260.3	321.6	332.8	327.1	59.0	41.0	42.8	4.3	5.3
Hr. of Max	15	08	21	08	04	15	03	13	13
Min	61.3	24.0	61.3	34.2	14.4	6.7	6.9	.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)

9/19/2015

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	3.6	1.4	2.5	3.6	1.6	3.8	-.4	1.8	-.03
01:00	.9	.9	.3	1.0	1.2	1.3	1.8	.3	.04
02:00	.8	.4	.6	.9	.8	1.2	.7	.1	.01
03:00	.4	.0	.7	.4	.5	.8	1.1	-.2	.01
04:00	.5	.4	.3	.5	.7	1.0	2.0	.5	.03
05:00	1.8	.7	.8	2.1	1.0	2.3	.9	1.9	.02
06:00	.6	.2	.1	.8	.8	1.1	1.3	.1	.03
07:00	1.0	1.7	1.5	1.0	2.1	1.3	-.3	.9	-.03
08:00	.4	.1	.2	.5	.7	.8	9.5	.6	.20
09:00	.6	1.0	.8	.9	1.6	1.3	4.1	-.2	.21
10:00	1.9	1.9	1.9	2.2	2.5	2.7	-.2	1.8	-.02
11:00	4.3	3.4	4.0	4.5	4.0	5.1	-.2	-4.7	-.22
12:00	4.4	4.0	4.6	4.9	4.5	5.5	.5	3.2	-.08
13:00	6.0	5.0	6.0	6.6	5.7	7.3	.7	3.3	-.07
14:00	6.2	5.0	6.2	7.1	5.6	7.7	2.5	-1.5	.01
15:00	4.5	4.0	4.8	5.2	4.6	5.8	.1	.4	-.17
16:00	3.2	3.3	3.8	4.0	3.8	4.6	-1.6	-6.7	-.18
17:00	3.4	2.9	3.3	3.6	3.3	4.1	1.2	3.3	-.03
18:00	4.0	1.4	2.6	4.2	1.7	4.5	.1	-.4	-.05
19:00	.5	.7	.2	.6	.9	1.0	1.8	2.2	.03
20:00	.2	.6	.5	.2	.8	.6	.8	.4	.01
21:00	.8	.6	.7	.9	.8	1.2	2.1	.9	.04
22:00	.3	.6	.1	.4	.8	.8	.2	-.4	.00
23:00	1.2	1.3	1.0	1.2	1.5	1.4	-.2	.2	-.01
Avg	.0	1.7	2.0	2.4	2.1	2.8	1.2	.3	-.01
Max	6.2	5.0	6.2	7.1	5.7	7.7	9.5	3.3	.21
Hr. of Max	14	14	14	14	13	14	08	17	09
Min	.2	.0	.1	.2	.5	.6	-1.6	-6.7	-.22
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/19/2015

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	.12	3.2	4.6	5.7	3.2	5.9	8.2	3.6
01:00	.01	2.3	2.1	3.9	2.5	2.7	8.7	6.1
02:00	.00	1.8	2.1	3.0	2.0	2.2	7.3	7.5
03:00	.00	1.1	1.8	2.5	1.4	2.8	9.3	9.8
04:00	.01	2.1	1.8	2.1	2.3	2.1	6.8	5.4
05:00	.08	2.7	2.7	3.4	2.8	3.8	7.2	4.4
06:00	.00	1.8	1.1	3.2	2.2	2.5	7.0	7.2
07:00	.02	3.2	3.0	2.3	3.7	2.4	5.2	4.5
08:00	-.01	1.4	2.1	2.3	2.1	2.5	24.1	9.0
09:00	.09	4.1	3.2	3.4	4.2	4.2	26.1	23.2
10:00	.12	5.3	5.0	5.0	6.5	6.1	28.5	29.5
11:00	-.64	8.9	10.1	9.8	10.2	12.0	24.1	24.0
12:00	.02	12.4	10.5	16.7	11.2	12.6	18.7	21.4
13:00	.17	12.6	12.4	17.6	13.7	13.8	20.7	20.5
14:00	-.38	12.1	15.6	15.1	16.2	16.2	21.2	16.7
15:00	-.21	11.7	13.5	11.9	12.9	14.0	21.5	19.9
16:00	-.61	9.6	10.1	8.7	9.4	9.7	24.1	23.2
17:00	.21	7.1	7.1	8.9	7.4	8.1	21.2	21.0
18:00	-.06	5.7	6.0	6.4	6.2	7.7	11.7	6.7
19:00	.03	1.8	3.2	7.3	2.2	4.0	7.5	12.7
20:00	.01	1.6	1.8	1.4	1.9	1.6	6.2	6.9
21:00	.02	3.0	2.1	2.3	2.3	2.6	6.2	6.4
22:00	-.01	2.1	1.6	1.8	2.2	1.6	7.0	5.5
23:00	.03	3.4	3.7	4.8	3.6	5.1	5.4	3.3
Avg	-.04	5.0	5.3	6.2	5.5	6.1	13.9	12.4
Max	.21	12.6	15.6	17.6	16.2	16.2	28.5	29.5
Hr. of Max	17	13	14	13	14	14	10	10
Min	-.64	1.1	1.1	1.4	1.4	1.6	5.2	3.3
Count	24	24	24	24	24	24	24	24
Total								