Date Printed: 09/18/2015 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/17/2015

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	14.5	15.7	16.0	16.6	1.19	1.47	2.03	.28	.84
01:00	13.9	15.1	15.6	16.0	1.23	1.70	2.06	.47	.84
02:00	13.6	14.8	15.1	15.8	1.27	1.53	2.26	.26	.99
03:00	13.2	14.5	14.6	15.2	1.32	1.42	1.99	.10	.67
04:00	13.5	14.3	14.5	15.0	.86	1.06	1.53	.21	.67
05:00	13.2	14.1	14.2	14.4	.89	.99	1.18	.10	.29
06:00	13.3	14.0	14.0	14.2	.65	.69	.90	.03	.25
07:00	13.2	13.6	13.6	13.7	.41	.42	.51	.01	.10
08:00	14.2	14.0	13.8	13.9	-.20	-.37	-.35	-.17	-.15
09:00	16.8	16.4	16.1	16.0	-.46	-.71	-.85	-.25	-.40
10:00	19.1	18.5	18.2	18.1	-.64	-.91	-1.06	-.28	-.42
11:00	21.8	20.8	20.5	20.3	-1.05	-1.35	-1.50	-.30	-.45
12:00	23.9	22.9	22.5	22.4	-1.06	-1.40	-1.55	-.34	-.49
13:00	25.3	24.2	23.9	23.7	-1.13	-1.43	-1.60	-.30	-.47
14:00	25.9	24.8	24.6	24.4	-1.07	-1.36	-1.48	-.29	-.41
15:00	25.7	25.1	24.8	24.7	-.56	-.83	-.96	-.28	-.40
16:00	25.9	25.4	25.1	25.1	-.58	-.78	-.80	-.20	-.23
17:00	24.7	25.3	25.3	25.3	.58	.63	.60	.05	.02
18:00	24.1	24.8	25.1	25.2	.74	1.01	1.10	.27	.36
19:00	20.3	22.2	23.3	24.1	1.83	2.95	3.77	1.11	1.93
20:00	18.0	20.2	21.1	22.3	2.16	3.06	4.26	.90	2.10
21:00	16.8	18.8	19.5	20.7	1.92	2.68	3.82	.76	1.90
22:00	16.1	17.6	18.2	19.0	1.51	2.10	2.85	.59	1.34
23:00	15.6	16.8	17.3	18.3	1.25	1.73	2.68	.48	1.43
Avg	18.4	18.9	19.0	19.4	.46	.60	.89	.13	.43
Max	25.9	25.4	25.3	25.3	2.16	3.06	4.26	1.11	2.10
Hr. of Max	16	16	17	17	20	20	20	19	20
Min	13.2	13.6	13.6	13.7	-1.13	-1.43	-1.60	-.34	-.49
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/17/2015

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	13.3	14.5	13.7	22.2	93.6	94.3	11.5	12.4	0.009715
01:00	12.7	14.1	13.1	22.1	94.0	95.0	11.1	12.1	0.009361
02:00	12.4	13.8	12.8	22.0	94.1	95.1	10.9	11.9	0.009192
03:00	12.0	13.4	12.4	21.8	94.2	94.8	10.7	11.6	0.008955
04:00	12.5	13.3	12.8	21.7	95.4	95.0	11.0	11.5	0.00925
05:00	12.2	13.0	12.5	21.6	95.0	94.8	10.8	11.3	0.009048
06:00	12.4	12.9	12.7	21.5	95.9	95.1	10.9	11.3	0.009194
07:00	12.3	12.6	12.6	21.3	95.7	94.9	10.9	11.0	0.009121
08:00	12.9	12.8	13.3	21.2	93.3	93.7	11.2	11.2	0.009488
09:00	13.5	12.9	14.6	21.1	82.4	81.2	11.6	11.2	0.009914
10:00	14.0	13.3	15.7	21.1	73.3	73.0	11.9	11.4	0.010203
11:00	13.7	13.0	16.4	21.1	61.3	62.2	11.6	11.1	0.010068
12:00	13.9	13.2	17.2	21.2	54.6	55.6	11.7	11.2	0.010207
13:00	12.5	11.8	16.8	21.4	46.0	46.9	10.7	10.2	0.009366
14:00	12.2	11.7	16.8	21.7	43.5	44.9	10.4	10.1	0.00918
15:00	13.1	12.5	17.3	22.0	46.8	46.3	11.1	10.6	0.009745
16:00	13.3	12.6	17.5	22.1	46.9	46.0	11.2	10.7	0.0099
17:00	14.5	12.7	17.9	22.3	54.7	46.8	12.1	10.8	0.010676
18:00	15.1	13.4	18.1	22.4	58.7	50.2	12.6	11.3	0.011061
19:00	15.3	14.2	17.0	22.5	74.3	62.1	12.9	12.0	0.011179
20:00	14.5	14.5	15.7	22.6	81.6	71.1	12.4	12.2	0.01064
21:00	14.4	15.1	15.2	22.6	87.1	80.8	12.3	12.8	0.010539
22:00	14.3	15.3	14.9	22.5	90.5	87.6	12.2	13.0	0.01047
23:00	14.0	15.2	14.5	22.4	91.8	91.5	12.0	12.9	0.010257
Avg	13.4	13.4	15.1	21.9	76.9	75.0	11.5	11.5	0.009864
Max	15.3	15.3	18.1	22.6	95.9	95.1	12.9	13.0	0.011179
Hr. of Max	19	22	18	21	06	06	19	22	19
Min	12.0	11.7	12.4	21.1	43.5	44.9	10.4	10.1	0.008955
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/17/2015

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	0.010566	15.3	16.6	.00	29.31	992.7	-2.1	.00	36.2
01:00	0.010252	14.7	16.1	.00	29.31	992.4	-2.9	.00	316.0
02:00	0.010087	14.4	15.8	.00	29.30	992.1	-3.2	.00	54.3
03:00	0.009819	14.1	15.4	.00	29.29	992.0	-2.0	.00	52.6
04:00	0.009732	14.5	15.3	.00	29.28	991.7	-1.1	.00	62.3
05:00	0.009569	14.2	15.0	.00	29.29	991.8	-1.5	.00	15.6
06:00	0.009516	14.5	15.0	.00	29.30	992.2	-2.9	.00	47.0
07:00	0.009294	14.3	14.6	.00	29.31	992.5	13.3	.02	49.9
08:00	0.009401	14.9	14.8	.00	29.31	992.6	176.8	.25	54.0
09:00	0.009484	15.6	14.9	.00	29.31	992.7	395.7	.57	85.7
10:00	0.00976	16.0	15.3	.00	29.31	992.6	473.2	.68	104.6
11:00	0.009576	15.8	15.0	.00	29.30	992.2	754.9	1.08	109.1
12:00	0.009738	16.0	15.3	.00	29.27	991.4	842.4	1.21	123.9
13:00	0.008921	14.7	14.0	.00	29.25	990.5	920.2	1.32	97.6
14:00	0.008886	14.4	13.9	.00	29.22	989.7	829.9	1.19	84.5
15:00	0.009328	15.3	14.6	.00	29.20	988.7	402.7	.58	125.9
16:00	0.009398	15.5	14.7	.00	29.18	988.1	398.9	.57	231.0
17:00	0.009505	16.7	14.9	.00	29.17	987.7	205.3	.29	267.4
18:00	0.009909	17.3	15.5	.00	29.16	987.4	155.9	.22	276.2
19:00	0.010456	17.4	16.3	.00	29.15	987.2	16.6	.02	298.7
20:00	0.010606	16.6	16.6	.00	29.15	987.2	-1.3	.00	315.9
21:00	0.011036	16.5	17.2	.00	29.16	987.4	-1.8	.00	319.8
22:00	0.011146	16.3	17.4	.00	29.16	987.6	-1.0	.00	315.6
23:00	0.011075	16.0	17.3	.00	29.16	987.5	-2.8	.00	320.7
Avg	0.009878	15.5	15.5	.00	29.24	990.3	231.8	.33	35.0
Max	0.011146	17.4	17.4	.00	29.31	992.7	920.2	1.32	320.7
Hr. of Max	22	19	22	23	10	09	13	13	23
Min	0.008886	14.1	13.9	.00	29.15	987.2	-3.2	.00	15.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/17/2015

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	69.7	60.4	42.8	58.1	33.0	8.8	13.1	.9	2.0
01:00	98.4	113.3	311.9	113.0	33.9	39.5	30.1	.7	.3
02:00	71.9	39.3	56.0	34.0	22.0	16.9	10.5	.6	1.8
03:00	74.1	65.8	55.2	62.9	27.7	11.7	11.2	.6	1.5
04:00	65.6	52.0	64.1	47.8	20.9	12.5	7.9	1.6	3.0
05:00	73.6	84.1	11.2	80.7	32.2	13.1	10.6	1.0	1.9
06:00	59.3	69.6	48.3	65.9	17.6	11.4	7.2	2.0	3.3
07:00	58.3	64.2	52.9	60.4	16.5	7.9	5.7	2.0	3.5
08:00	58.7	62.0	54.4	58.6	26.2	15.3	11.8	2.3	4.0
09:00	75.3	64.7	91.1	61.8	26.4	24.9	23.0	3.2	3.2
10:00	95.6	86.0	106.7	82.3	20.0	18.9	16.6	3.8	3.9
11:00	106.3	99.7	113.5	96.9	33.6	26.9	28.3	2.8	3.3
12:00	120.0	113.2	129.8	110.4	39.5	34.2	40.9	2.3	2.2
13:00	97.9	94.1	102.1	89.1	46.5	40.9	38.4	2.8	3.0
14:00	86.7	90.2	84.4	84.4	72.3	63.3	58.2	1.8	2.1
15:00	123.6	130.5	133.5	127.7	40.0	37.4	41.3	1.3	1.5
16:00	215.3	227.8	234.9	224.8	42.8	40.7	47.2	1.0	1.1
17:00	242.8	264.6	262.9	258.1	40.1	39.0	41.3	1.4	1.5
18:00	262.0	257.4	276.8	258.6	17.2	11.8	7.9	1.6	3.0
19:00	227.3	249.6	298.7	249.8	16.9	27.5	5.3	.9	1.4
20:00	93.1	271.8	318.3	260.4	45.4	34.9	35.0	.5	.5
21:00	79.5	181.9	312.4	163.0	33.9	32.8	37.0	.4	.3
22:00	67.9	240.4	331.7	226.0	39.8	37.5	28.4	.3	.4
23:00	97.0	46.4	332.1	50.8	23.6	26.7	25.1	.2	.4
Avg	89.0	88.0	38.0	86.0	32.0	26.4	24.3	.0	.0
Max	262.0	271.8	332.1	260.4	72.3	63.3	58.2	3.8	4.0
Hr. of Max	18	20	23	20	14	14	14	10	08
Min	58.3	39.3	11.2	34.0	16.5	7.9	5.3	.2	.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/17/2015

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	2.0	1.0	2.1	2.1	1.2	2.4	1.4	2.5	.00
01:00	1.2	1.5	1.4	2.0	1.7	2.2	-.9	.7	-.05
02:00	1.6	.7	1.9	1.6	1.0	1.9	2.9	1.7	.05
03:00	2.1	.7	1.6	2.2	1.0	2.4	2.1	2.3	.03
04:00	3.4	1.7	3.0	3.4	2.0	3.7	-.9	1.7	-.05
05:00	2.2	1.6	2.0	2.2	1.8	2.5	1.6	2.1	.03
06:00	4.4	2.1	3.4	4.4	2.3	4.6	-3.5	.3	-.19
07:00	4.4	2.0	3.5	4.4	2.2	4.6	-4.3	-.3	-.21
08:00	5.0	2.6	4.1	5.1	2.7	5.4	-2.1	1.3	-.21
09:00	3.6	3.4	3.4	3.8	3.9	4.4	5.4	10.1	.30
10:00	4.0	4.1	4.2	4.3	4.7	4.8	.4	.9	.01
11:00	3.6	3.3	3.8	4.0	4.0	4.6	2.2	3.3	.11
12:00	1.9	2.8	2.7	2.4	3.4	3.1	3.4	6.8	.28
13:00	3.2	3.6	3.9	4.1	4.4	4.9	-.9	4.5	-.09
14:00	2.3	3.3	3.4	3.4	4.0	4.3	-1.3	-11.4	-.15
15:00	1.4	2.4	2.6	2.7	2.9	3.2	2.4	5.2	.14
16:00	1.4	1.9	1.9	1.9	2.3	2.4	-2.2	-.8	-.08
17:00	1.5	1.6	1.7	1.6	1.9	2.1	3.5	3.1	.05
18:00	3.7	1.7	3.1	3.7	2.0	4.0	-.2	-1.9	-.07
19:00	2.8	1.0	1.5	2.8	1.2	3.1	1.6	-.3	.03
20:00	.7	.7	.7	1.0	.9	1.3	.4	-.6	.00
21:00	.3	.4	.5	.4	.6	.7	1.1	.2	.01
22:00	.3	.3	.8	.5	.6	.8	1.3	-.8	.02
23:00	.8	.5	.5	.8	.8	1.1	1.6	1.2	.02
Avg	.0	1.9	2.4	2.7	2.2	3.1	.6	1.3	.00
Max	5.0	4.1	4.2	5.1	4.7	5.4	5.4	10.1	.30
Hr. of Max	08	10	10	08	10	08	09	09	09
Min	.3	.3	.5	.4	.6	.7	-4.3	-11.4	-.21
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/17/2015

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	3.7	3.9	3.7	3.9	3.8	9.9	3.7
01:00	.03	4.1	3.9	6.0	4.5	4.2	8.1	8.8
02:00	.06	2.3	3.0	3.2	2.6	3.3	9.6	6.1
03:00	.10	2.3	3.0	3.2	2.4	3.5	7.8	5.0
04:00	.10	3.7	5.7	5.3	3.7	5.8	7.9	4.2
05:00	.09	3.2	6.6	4.4	3.5	4.4	9.1	5.3
06:00	.01	4.6	6.4	7.8	4.6	7.9	11.3	3.9
07:00	-.03	4.6	5.7	10.3	4.7	7.7	11.4	4.1
08:00	.01	7.3	9.2	8.9	6.9	9.5	21.1	12.0
09:00	.62	9.4	9.2	8.7	10.6	9.7	18.8	19.8
10:00	.08	9.8	8.7	9.8	8.3	8.2	14.4	17.1
11:00	.25	9.6	9.6	8.7	10.2	9.7	21.9	23.3
12:00	.43	9.8	9.4	8.7	8.3	7.3	25.1	33.3
13:00	.46	10.5	9.8	10.3	12.2	11.4	25.3	27.8
14:00	-1.03	11.7	9.2	12.4	10.1	10.5	27.3	31.0
15:00	.34	6.9	8.5	8.2	7.5	8.6	22.3	24.1
16:00	.06	6.2	6.0	5.3	6.3	6.8	21.7	25.6
17:00	-.06	3.4	6.4	6.9	3.7	3.9	24.3	28.9
18:00	-.14	4.6	5.0	5.5	5.5	5.8	12.7	7.1
19:00	-.02	2.1	5.7	8.7	2.3	4.8	7.3	3.1
20:00	.00	2.3	2.3	5.3	2.2	3.2	6.8	9.6
21:00	.00	1.8	1.8	1.8	1.9	1.4	6.2	5.3
22:00	-.01	1.8	3.2	1.6	1.9	1.6	6.1	5.0
23:00	.02	1.6	2.1	2.3	1.8	2.1	5.9	5.8
Avg	.06	5.3	6.0	6.5	5.4	6.0	14.3	13.3
Max	.62	11.7	9.8	12.4	12.2	11.4	27.3	33.3
Hr. of Max	09	14	13	14	13	13	14	12
Min	-1.03	1.6	1.8	1.6	1.8	1.4	5.9	3.1
Count	24	24	24	24	24	24	24	24
Total								