Date Printed: 11/18/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

11/17/2016

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	4.5	7.0	7.8	9.3	2.46	3.22	4.80	.76	2.35
01:00	3.9	6.2	7.0	8.4	2.32	3.10	4.48	.78	2.16
02:00	3.5	5.7	6.4	7.5	2.14	2.87	4.01	.73	1.87
03:00	2.9	5.0	5.7	7.0	2.18	2.82	4.18	.64	2.00
04:00	2.6	4.6	5.4	6.5	1.99	2.82	3.94	.83	1.94
05:00	2.0	4.3	4.9	5.9	2.23	2.86	3.84	.64	1.61
06:00	1.8	3.5	4.3	5.6	1.77	2.51	3.85	.74	2.08
07:00	1.9	3.7	4.3	5.4	1.81	2.35	3.49	.55	1.68
08:00	4.9	5.1	5.3	5.9	.25	.46	1.05	.21	.80
09:00	9.5	9.0	8.9	8.9	-.45	-.57	-.54	-.12	-.08
10:00	13.4	12.8	12.5	12.4	-.61	-.89	-1.01	-.28	-.39
11:00	16.8	16.1	15.8	15.6	-.71	-1.03	-1.17	-.32	-.46
12:00	20.0	19.1	18.7	18.6	-.87	-1.26	-1.40	-.39	-.53
13:00	22.0	21.1	20.7	20.6	-.92	-1.26	-1.36	-.34	-.44
14:00	23.0	22.1	21.8	21.7	-.85	-1.19	-1.33	-.34	-.48
15:00	23.1	22.7	22.4	22.2	-.46	-.76	-.93	-.30	-.47
16:00	22.6	22.6	22.4	22.2	-.03	-.25	-.37	-.22	-.34
17:00	18.4	20.3	20.9	21.5	1.94	2.54	3.06	.60	1.12
18:00	15.2	17.5	18.5	19.8	2.30	3.32	4.61	1.02	2.31
19:00	12.7	15.2	16.2	18.1	2.49	3.49	5.40	1.00	2.91
20:00	10.9	13.4	14.5	16.9	2.53	3.65	5.97	1.12	3.44
21:00	9.8	12.0	13.0	14.7	2.17	3.16	4.85	.99	2.68
22:00	8.4	10.8	11.9	14.2	2.41	3.51	5.76	1.10	3.35
23:00	7.7	9.9	10.9	12.4	2.14	3.19	4.70	1.05	2.55
Avg	10.9	12.1	12.5	13.4	1.18	1.61	2.50	.44	1.32
Max	23.1	22.7	22.4	22.2	2.53	3.65	5.97	1.12	3.44
Hr. of Max	15	15	16	16	20	20	20	20	20
Min	1.8	3.5	4.3	5.4	-.92	-1.26	-1.40	-.39	-.53
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/17/2016

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	1.2	2.2	2.3	13.0	79.7	72.1	5.2	5.5	0.004245
01:00	1.1	2.1	2.0	12.9	82.4	75.4	5.2	5.5	0.0042
02:00	1.0	2.1	1.9	12.7	84.5	78.8	5.2	5.6	0.004183
03:00	.8	2.3	1.5	12.6	87.0	83.2	5.1	5.6	0.004108
04:00	.7	2.2	1.3	12.4	88.0	85.0	5.1	5.6	0.004078
05:00	.4	2.1	1.0	12.3	89.6	86.5	5.0	5.6	0.003994
06:00	.3	2.2	.8	12.1	90.6	91.4	4.9	5.6	0.003959
07:00	.5	2.0	1.0	12.0	90.9	89.3	5.0	5.5	0.004009
08:00	2.3	2.0	3.2	11.8	84.3	81.2	5.6	5.5	0.004576
09:00	4.4	4.0	6.1	11.7	71.8	71.7	6.4	6.3	0.005326
10:00	4.4	3.9	7.4	11.7	55.3	55.7	6.4	6.2	0.005327
11:00	3.8	3.0	8.1	11.8	42.8	42.3	6.1	5.7	0.00514
12:00	3.1	2.6	8.8	11.9	33.5	34.0	5.7	5.5	0.00493
13:00	3.6	3.5	9.7	12.1	30.7	32.1	5.9	5.9	0.005109
14:00	3.9	3.6	10.3	12.4	29.6	30.4	6.0	5.9	0.005243
15:00	4.6	4.3	10.8	12.8	30.8	30.9	6.3	6.2	0.005506
16:00	5.0	4.7	10.9	13.1	32.6	31.8	6.5	6.3	0.005646
17:00	5.6	5.5	9.8	13.4	43.9	38.7	6.8	6.7	0.005833
18:00	5.8	6.1	9.0	13.6	54.4	47.9	7.0	7.1	0.005917
19:00	5.6	6.3	8.0	13.7	62.6	56.0	6.9	7.2	0.005798
20:00	5.3	6.1	7.1	13.7	69.0	62.1	6.8	7.2	0.005668
21:00	5.3	6.0	6.8	13.7	74.5	67.6	6.9	7.1	0.005686
22:00	5.0	6.0	6.1	13.7	79.8	72.9	6.7	7.1	0.005536
23:00	5.0	5.7	5.9	13.6	83.5	76.1	6.7	7.0	0.005529
Avg	3.3	3.8	5.8	12.7	65.5	62.2	6.0	6.1	0.004981
Max	5.8	6.3	10.9	13.7	90.9	91.4	7.0	7.2	0.005917
Hr. of Max	18	19	16	22	07	06	18	20	18
Min	.3	2.0	.8	11.7	29.6	30.4	4.9	5.5	0.003959
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/17/2016

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	0.004554	6.7	7.2	.00	29.14	986.9	-2.5	.00	92.7
01:00	0.004518	6.6	7.1	.00	29.15	987.0	-2.4	.00	89.5
02:00	0.004535	6.6	7.1	.00	29.16	987.4	-2.6	.00	76.2
03:00	0.004583	6.5	7.2	.00	29.17	987.8	-2.5	.00	126.7
04:00	0.004535	6.4	7.2	.00	29.17	988.0	-2.4	.00	75.8
05:00	0.004516	6.3	7.1	.00	29.18	988.3	-2.7	.00	86.2
06:00	0.004532	6.3	7.2	.00	29.20	988.8	-2.6	.00	88.8
07:00	0.004478	6.3	7.1	.00	29.22	989.6	19.5	.03	83.8
08:00	0.004488	7.2	7.1	.00	29.24	990.2	178.7	.26	87.8
09:00	0.005165	8.4	8.2	.00	29.25	990.5	346.1	.50	102.1
10:00	0.00515	8.4	8.1	.00	29.25	990.5	489.9	.70	110.3
11:00	0.004852	8.1	7.7	.00	29.23	989.9	573.9	.82	117.7
12:00	0.004741	7.8	7.5	.00	29.20	989.0	605.6	.87	149.7
13:00	0.00505	8.1	8.0	.00	29.18	988.2	527.1	.76	156.4
14:00	0.005111	8.3	8.0	.00	29.17	987.7	463.7	.66	167.5
15:00	0.005369	8.7	8.4	.00	29.16	987.4	332.5	.48	162.3
16:00	0.005507	8.9	8.7	.00	29.16	987.4	144.4	.21	172.1
17:00	0.005809	9.2	9.1	.00	29.16	987.6	7.5	.01	92.1
18:00	0.006028	9.3	9.5	.00	29.18	988.1	-2.7	.00	86.1
19:00	0.006102	9.1	9.6	.00	29.19	988.5	-2.1	.00	89.2
20:00	0.006027	8.9	9.5	.00	29.20	988.7	-3.0	.00	97.0
21:00	0.005957	9.0	9.4	.00	29.21	989.3	-2.4	.00	84.9
22:00	0.005942	8.7	9.4	.00	29.22	989.4	-2.1	.00	101.2
23:00	0.005826	8.7	9.2	.00	29.22	989.5	-2.3	.00	74.7
Avg	0.005141	7.9	8.1	.00	29.19	988.6	152.4	.22	105.0
Max	0.006102	9.3	9.6	.00	29.25	990.5	605.6	.87	172.1
Hr. of Max	19	18	19	23	10	10	12	12	16
Min	0.004478	6.3	7.1	.00	29.14	986.9	-3.0	.00	74.7
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/17/2016

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	46.5	59.5	221.2	50.7	1.5	7.6	6.1	.0	.6
01:00	49.2	58.4	62.8	49.0	10.2	10.6	6.1	.2	.8
02:00	54.9	59.1	61.4	50.2	5.4	8.0	3.9	.6	1.9
03:00	47.3	47.7	251.1	36.9	26.0	3.5	4.8	.2	.5
04:00	56.7	56.4	63.9	47.7	5.7	5.3	4.3	.3	1.6
05:00	69.2	57.6	84.6	48.5	.1	4.1	2.8	.0	1.0
06:00	64.7	40.7	176.7	29.2	2.9	5.6	8.3	.0	1.2
07:00	63.4	52.9	63.4	43.9	5.4	4.9	3.5	.2	1.9
08:00	53.8	52.9	82.1	43.3	10.6	12.5	5.5	1.1	2.2
09:00	71.5	52.1	101.0	43.0	16.5	22.2	17.0	2.5	2.4
10:00	98.3	82.8	114.0	74.6	27.7	29.7	32.8	1.9	2.0
11:00	123.1	118.0	126.6	108.7	41.0	51.6	41.8	1.3	1.3
12:00	156.8	156.4	153.2	151.1	40.6	39.0	35.9	2.0	2.3
13:00	167.2	169.9	160.2	163.6	46.3	40.2	36.6	2.6	3.2
14:00	180.5	183.3	171.1	178.4	32.9	27.6	24.0	3.3	4.0
15:00	184.2	183.4	174.4	178.0	31.8	30.5	26.6	2.3	3.0
16:00	189.7	189.3	184.4	184.0	25.1	18.9	13.7	2.3	3.4
17:00	63.2	140.3	186.7	132.4	37.9	27.0	13.8	.0	.2
18:00	51.6	50.0	68.1	39.0	7.8	7.8	10.6	.3	1.5
19:00	61.6	62.2	72.4	53.4	5.8	14.6	6.4	.2	.8
20:00	58.1	63.9	113.7	55.0	7.5	17.7	12.7	.0	.5
21:00	56.4	65.0	75.5	55.8	9.8	8.7	14.9	.4	1.1
22:00	33.2	44.9	105.0	31.9	9.5	21.8	21.1	.3	.6
23:00	58.2	64.3	62.7	55.6	10.8	9.4	3.3	.8	1.7
Avg	77.0	79.0	115.0	69.0	17.5	17.9	14.9	.0	.0
Max	189.7	189.3	251.1	184.0	46.3	51.6	41.8	3.3	4.0
Hr. of Max	16	16	03	16	13	11	11	14	14
Min	33.2	40.7	61.4	29.2	.1	3.5	2.8	.0	.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/17/2016

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	2.1	.0	.6	2.1	.3	2.3	1.7	-.4	.02
01:00	2.0	.2	.9	2.1	.5	2.3	3.8	-.5	.05
02:00	3.3	.6	2.0	3.4	.9	3.5	3.0	.4	.05
03:00	1.8	.4	.5	1.8	1.0	2.0	2.8	.1	.05
04:00	2.7	.3	1.6	2.7	.6	2.9	1.8	.3	.02
05:00	2.6	.0	1.0	2.6	.3	2.8	1.6	-1.1	.02
06:00	2.2	.0	1.2	2.3	.2	2.5	.7	.4	.01
07:00	3.1	.2	1.9	3.1	.5	3.3	1.1	1.9	.02
08:00	4.1	1.1	2.3	4.2	1.3	4.4	1.8	-1.8	.03
09:00	3.1	2.6	2.6	3.3	3.1	3.6	3.5	3.4	.19
10:00	1.8	2.1	2.2	2.0	2.6	2.6	2.9	3.4	.12
11:00	1.1	1.6	1.6	1.4	2.3	2.1	-4.5	-9.7	-.15
12:00	2.7	2.7	2.9	3.1	3.3	3.7	.2	-2.9	.04
13:00	3.6	3.6	4.1	4.3	4.3	4.8	-1.7	-3.2	-.09
14:00	4.3	4.0	4.6	4.7	4.6	5.2	.8	-2.8	.09
15:00	3.6	2.7	3.4	3.9	3.4	4.5	1.8	-.9	.08
16:00	4.2	2.5	3.5	4.4	2.9	4.6	3.7	-1.5	.11
17:00	1.7	.2	.9	2.1	.6	2.5	1.9	1.8	.02
18:00	1.3	.4	1.5	1.3	.7	1.5	3.4	-1.1	.05
19:00	1.8	.2	.9	1.8	.7	2.0	4.2	-.5	.06
20:00	1.0	.0	.6	1.1	.4	1.4	2.8	-.2	.03
21:00	1.5	.5	1.1	1.7	.7	1.9	1.9	-.7	.02
22:00	.8	.3	.6	.9	.6	1.2	2.7	.4	.04
23:00	3.7	.8	1.8	3.8	1.0	3.9	1.7	.4	.02
Avg	.0	1.1	1.8	2.7	1.5	3.0	1.8	-.6	.04
Max	4.3	4.0	4.6	4.7	4.6	5.2	4.2	3.4	.19
Hr. of Max	14	14	14	14	14	14	19	10	09
Min	.8	.0	.5	.9	.2	1.2	-4.5	-9.7	-.15
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

11/17/2016

Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	86_SonicTemp_015m	87_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	-.01	.0	4.6	6.2	5.3	2.4	7.1	9.5
01:00	-.02	1.1	1.4	3.7	7.3	2.5	6.4	8.5
02:00	.03	2.1	3.0	4.6	6.8	1.6	5.8	7.6
03:00	.00	1.8	2.3	6.0	6.1	2.6	5.3	7.1
04:00	.02	1.6	2.7	4.6	7.0	1.9	4.8	6.7
05:00	-.05	1.4	1.8	6.0	6.2	1.9	4.5	6.0
06:00	.02	.7	2.3	3.7	4.0	2.3	3.8	5.8
07:00	.11	1.6	3.9	5.5	8.0	2.5	4.0	5.5
08:00	-.14	3.0	5.3	7.6	14.5	2.9	5.5	6.1
09:00	.18	5.0	6.2	9.8	17.2	16.1	9.5	9.1
10:00	.22	7.1	6.4	9.4	27.4	32.8	13.2	12.5
11:00	-.37	7.3	6.0	5.0	31.4	34.7	16.4	15.7
12:00	-.13	7.1	8.2	8.7	26.8	29.0	19.2	18.4
13:00	-.33	8.9	10.1	10.5	20.6	24.4	21.1	20.3
14:00	-.16	9.6	10.1	10.8	19.5	19.0	22.2	21.4
15:00	-.07	8.5	9.2	10.5	23.8	23.9	22.8	22.0
16:00	-.19	7.1	10.5	10.1	17.4	11.2	22.8	22.1
17:00	.07	4.1	6.4	9.8	10.6	7.7	20.5	21.4
18:00	-.03	1.4	3.2	2.1	7.9	6.9	17.8	19.9
19:00	-.02	2.1	1.8	3.2	7.0	3.5	15.5	18.3
20:00	-.01	.9	1.8	4.4	7.1	6.0	13.7	17.1
21:00	-.03	1.6	2.3	3.7	8.0	5.1	12.3	14.9
22:00	.01	2.1	2.5	4.6	7.5	5.8	11.1	14.5
23:00	.03	1.8	3.2	5.0	6.8	1.9	10.2	12.8
Avg	-.04	3.7	4.8	6.5	12.7	10.4	12.3	13.5
Max	.22	9.6	10.5	10.8	31.4	34.7	22.8	22.1
Hr. of Max	10	14	16	14	11	11	16	16
Min	-.37	.0	1.4	2.1	4.0	1.6	3.8	5.5
Count	24	24	24	24	24	24	24	24
Total								