Date Printed: 10/06/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

10/5/2016

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	16.8	18.9	19.7	21.6	2.10	2.98	4.84	.88	2.74
01:00	16.0	17.6	18.6	20.4	1.60	2.60	4.37	1.00	2.77
02:00	15.7	17.2	17.3	18.2	1.45	1.59	2.49	.14	1.04
03:00	14.9	16.3	16.6	17.4	1.44	1.71	2.50	.26	1.05
04:00	14.2	15.6	15.9	16.6	1.45	1.67	2.41	.22	.96
05:00	13.8	15.1	15.3	15.8	1.25	1.49	2.01	.24	.76
06:00	13.1	14.7	15.1	15.4	1.59	1.95	2.29	.36	.71
07:00	12.5	14.5	14.8	15.4	2.00	2.27	2.84	.28	.84
08:00	14.3	15.0	15.2	15.5	.68	.87	1.17	.19	.49
09:00	18.3	17.7	17.5	17.4	-.53	-.74	-.86	-.21	-.33
10:00	20.4	19.5	19.1	18.9	-.85	-1.24	-1.43	-.38	-.58
11:00	22.1	21.0	20.6	20.5	-1.10	-1.49	-1.61	-.38	-.50
12:00	24.0	22.8	22.4	22.2	-1.14	-1.52	-1.71	-.39	-.57
13:00	25.5	24.2	23.8	23.7	-1.24	-1.64	-1.81	-.39	-.57
14:00	27.0	25.7	25.3	25.1	-1.28	-1.70	-1.91	-.42	-.63
15:00	27.8	26.7	26.3	26.2	-1.17	-1.51	-1.69	-.34	-.52
16:00	28.4	27.4	27.0	26.8	-.96	-1.35	-1.57	-.39	-.61
17:00	28.2	27.6	27.3	27.1	-.57	-.89	-1.04	-.32	-.47
18:00	26.0	26.8	26.8	26.8	.79	.77	.78	-.02	-.01
19:00	21.8	24.2	25.0	25.4	2.46	3.20	3.65	.74	1.19
20:00	19.1	21.7	22.2	23.7	2.60	3.17	4.62	.57	2.02
21:00	17.6	19.9	20.6	22.4	2.26	2.95	4.75	.69	2.49
22:00	16.5	18.5	19.0	20.9	2.05	2.54	4.44	.48	2.38
23:00	15.1	17.1	18.0	19.3	2.01	2.91	4.20	.90	2.19
Avg	19.5	20.2	20.4	20.9	.70	.86	1.41	.15	.70
Max	28.4	27.6	27.3	27.1	2.60	3.20	4.84	1.00	2.77
Hr. of Max	16	17	17	17	20	19	00	01	01
Min	12.5	14.5	14.8	15.4	-1.28	-1.70	-1.91	-.42	-.63
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/5/2016

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	13.2	13.5	14.4	22.6	81.0	72.4	11.4	11.6	0.009751
01:00	13.1	13.3	14.1	22.4	84.0	77.1	11.3	11.4	0.00966
02:00	13.1	13.6	14.0	22.2	85.9	81.1	11.4	11.7	0.009667
03:00	12.8	13.5	13.5	22.0	88.8	84.5	11.2	11.6	0.009478
04:00	12.5	13.2	13.0	21.8	90.6	86.6	10.9	11.4	0.009245
05:00	12.3	13.0	12.8	21.6	92.0	88.6	10.8	11.3	0.009162
06:00	11.8	13.0	12.2	21.4	92.8	91.2	10.5	11.3	0.008812
07:00	11.1	13.0	11.6	21.3	92.5	92.2	10.1	11.3	0.008447
08:00	12.2	12.5	12.9	21.1	88.4	86.7	10.7	10.9	0.009051
09:00	13.2	12.5	14.9	20.9	74.0	72.6	11.4	10.8	0.009726
10:00	12.5	12.2	15.1	20.8	61.8	63.8	10.8	10.6	0.009285
11:00	12.2	11.8	15.5	20.9	54.6	56.8	10.5	10.3	0.009136
12:00	12.0	11.5	16.0	21.1	48.1	50.0	10.3	10.0	0.008995
13:00	11.5	11.3	16.2	21.5	42.7	45.1	10.0	9.8	0.008773
14:00	11.3	11.2	16.5	21.9	38.4	41.2	9.8	9.8	0.008649
15:00	10.6	10.5	16.3	22.4	35.0	37.2	9.3	9.3	0.008267
16:00	10.1	10.0	16.2	22.8	32.8	34.5	9.0	9.0	0.00803
17:00	9.6	9.6	15.8	23.0	32.3	33.2	8.8	8.7	0.007788
18:00	10.5	9.9	15.7	23.2	38.8	35.6	9.3	9.0	0.008203
19:00	11.8	10.8	15.1	23.3	54.4	43.9	10.3	9.5	0.008924
20:00	11.7	11.6	14.2	23.2	63.6	53.7	10.3	10.1	0.008851
21:00	11.6	11.8	13.6	23.1	69.0	61.0	10.2	10.3	0.008765
22:00	11.5	11.8	13.2	22.9	73.6	66.1	10.2	10.3	0.008685
23:00	11.3	11.9	12.6	22.7	79.1	72.3	10.1	10.4	0.008561
Avg	11.8	12.0	14.4	22.1	66.4	63.6	10.4	10.4	0.008913
Max	13.2	13.6	16.5	23.3	92.8	92.2	11.4	11.7	0.009751
Hr. of Max	09	02	14	19	06	07	09	02	00
Min	9.6	9.6	11.6	20.8	32.3	33.2	8.8	8.7	0.007788
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/5/2016

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	0.009954	15.3	15.6	.00	29.19	988.4	-2.1	.00	272.6
01:00	0.00981	15.1	15.4	.00	29.19	988.7	-2.1	.00	207.1
02:00	0.010012	15.1	15.7	.00	29.20	988.9	-1.9	.00	59.3
03:00	0.009898	14.8	15.5	.00	29.19	988.7	-1.9	.00	71.1
04:00	0.009699	14.5	15.2	.00	29.20	989.0	-1.8	.00	59.2
05:00	0.009559	14.4	15.0	.00	29.22	989.5	-1.9	.00	51.7
06:00	0.009606	13.8	15.1	.00	29.23	990.0	-2.3	.00	77.4
07:00	0.009594	13.3	15.0	.00	29.25	990.6	5.0	.01	51.4
08:00	0.009269	14.2	14.6	.00	29.27	991.2	133.8	.19	73.5
09:00	0.009238	15.3	14.5	.00	29.28	991.7	341.4	.49	87.8
10:00	0.009085	14.6	14.3	.00	29.29	991.9	533.5	.76	92.9
11:00	0.008879	14.4	14.0	.00	29.28	991.6	672.9	.96	111.5
12:00	0.008732	14.1	13.7	.00	29.27	991.1	759.1	1.09	96.5
13:00	0.008602	13.8	13.5	.00	29.24	990.2	766.3	1.10	105.5
14:00	0.008606	13.6	13.5	.00	29.21	989.1	756.0	1.08	99.3
15:00	0.008218	13.0	12.9	.00	29.18	988.3	664.5	.95	102.4
16:00	0.007975	12.6	12.5	.00	29.16	987.7	509.8	.73	78.3
17:00	0.007737	12.2	12.1	.00	29.16	987.6	310.8	.45	58.2
18:00	0.007922	12.9	12.4	.00	29.17	987.9	77.0	.11	33.8
19:00	0.008355	14.0	13.1	.00	29.18	988.2	.9	.00	26.8
20:00	0.008775	13.9	13.8	.00	29.19	988.6	-2.6	.00	35.8
21:00	0.008915	13.7	14.0	.00	29.21	989.0	-2.2	.00	53.7
22:00	0.008881	13.6	13.9	.00	29.21	989.3	-2.0	.00	67.0
23:00	0.008893	13.4	13.9	.00	29.22	989.6	-2.4	.00	43.1
Avg	0.009009	14.0	14.1	.00	29.22	989.5	229.5	.33	70.0
Max	0.010012	15.3	15.7	.00	29.29	991.9	766.3	1.10	272.6
Hr. of Max	02	09	02	23	10	10	13	13	00
Min	0.007737	12.2	12.1	.00	29.16	987.6	-2.6	.00	26.8
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/5/2016

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	197.4	289.1	259.3	279.1	59.9	47.3	23.8	.5	.4
01:00	223.0	228.7	233.5	225.7	55.6	42.9	17.4	.4	1.3
02:00	69.8	75.3	66.2	61.2	11.2	7.6	24.7	1.0	2.4
03:00	62.8	56.1	80.9	44.1	20.2	15.2	5.7	.7	1.8
04:00	72.4	61.7	66.9	49.9	19.2	13.0	4.9	.7	2.1
05:00	65.6	56.8	57.4	45.1	27.8	6.4	3.4	.9	2.0
06:00	49.2	49.7	79.8	36.5	20.3	9.7	4.5	.8	2.1
07:00	51.1	73.1	53.3	61.4	16.5	8.0	7.8	1.2	2.4
08:00	49.0	61.5	79.6	49.7	24.0	12.1	7.9	.9	2.3
09:00	71.8	63.4	92.4	51.3	31.6	26.1	19.8	2.8	3.9
10:00	84.5	79.5	95.4	67.9	24.5	21.3	17.3	3.8	4.3
11:00	104.8	98.2	115.5	86.7	28.7	20.8	19.9	3.3	3.6
12:00	89.3	81.6	96.9	68.7	35.2	31.6	26.5	3.0	3.4
13:00	101.0	91.4	107.9	76.9	30.5	34.1	31.3	4.1	4.6
14:00	94.3	90.5	101.4	79.3	19.5	20.1	19.2	5.3	5.8
15:00	99.6	93.1	105.2	82.1	20.2	20.0	21.0	5.8	6.5
16:00	76.2	73.8	80.5	61.1	32.7	29.3	24.7	3.7	4.7
17:00	56.0	55.1	58.6	43.2	34.1	22.4	17.5	3.5	5.9
18:00	39.8	46.1	35.8	33.1	26.1	12.3	8.9	2.4	5.3
19:00	51.3	53.3	27.5	40.4	32.8	14.3	7.0	.9	2.5
20:00	59.5	61.2	36.8	48.6	41.7	12.4	8.2	.5	1.7
21:00	63.5	49.8	58.3	34.8	23.7	13.3	13.2	1.0	2.0
22:00	62.9	64.3	74.3	53.1	24.5	8.5	4.6	.8	2.1
23:00	62.3	80.9	53.8	69.3	58.9	20.9	8.9	.4	1.6
Avg	73.0	68.0	74.0	55.0	30.0	19.6	14.5	.0	.0
Max	223.0	289.1	259.3	279.1	59.9	47.3	31.3	5.8	6.5
Hr. of Max	01	00	00	00	00	00	13	15	15
Min	39.8	46.1	27.5	33.1	11.2	6.4	3.4	.4	.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/5/2016

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	2.0	.9	1.3	2.9	1.3	3.1	2.9	.0	.05
01:00	3.2	.7	1.8	3.4	1.0	3.6	3.4	1.2	.05
02:00	2.6	1.0	2.4	2.7	1.3	3.1	1.0	1.7	.01
03:00	4.0	.8	1.9	4.0	1.0	4.2	1.7	1.1	.03
04:00	3.8	.7	2.1	3.8	1.0	4.0	2.2	1.4	.04
05:00	3.8	.9	2.1	3.9	1.2	4.1	2.2	2.2	.04
06:00	4.0	.9	2.2	4.0	1.1	4.2	2.8	-.6	.05
07:00	4.1	1.2	2.5	4.1	1.4	4.3	3.4	.5	.07
08:00	4.0	1.0	2.4	4.0	1.2	4.3	1.5	.4	.02
09:00	5.0	3.2	4.2	5.3	3.9	5.8	3.8	2.8	.21
10:00	4.8	4.2	4.7	5.2	4.7	5.6	.0	-1.0	-.03
11:00	3.7	3.5	3.8	3.9	4.1	4.4	-2.4	-7.1	-.17
12:00	3.7	3.4	3.8	4.0	4.0	4.7	-1.0	-7.9	-.08
13:00	4.9	4.4	5.0	5.3	5.2	5.9	-1.2	-.7	-.06
14:00	6.2	5.5	6.1	6.5	6.2	7.1	1.1	2.8	.03
15:00	7.0	6.1	6.8	7.5	6.9	8.0	.0	1.8	-.04
16:00	5.5	4.4	5.3	6.1	4.9	6.6	2.0	3.8	.05
17:00	7.0	4.2	6.4	7.4	4.7	7.8	-.8	1.9	-.23
18:00	6.6	2.7	5.4	6.7	3.0	6.9	-2.3	-.3	-.25
19:00	3.7	.9	2.6	3.7	1.2	3.9	3.0	1.0	.02
20:00	3.4	.6	1.8	3.5	.9	3.7	3.2	2.0	.05
21:00	2.5	1.1	2.1	2.7	1.3	2.9	2.7	2.1	.06
22:00	4.8	.9	2.2	4.8	1.1	5.0	2.1	1.5	.03
23:00	3.6	.7	1.8	3.8	1.0	4.0	2.8	.4	.04
Avg	.0	2.2	3.4	4.6	2.7	4.9	1.4	.5	.00
Max	7.0	6.1	6.8	7.5	6.9	8.0	3.8	3.8	.21
Hr. of Max	17	15	15	15	15	15	09	16	09
Min	2.0	.6	1.3	2.7	.9	2.9	-2.4	-7.9	-.25
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/5/2016

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	.00	4.8	5.7	9.2	15.7	11.2	19.7	22.2
01:00	.11	3.2	5.5	9.8	14.6	10.5	18.5	21.0
02:00	.05	2.5	4.4	6.9	9.1	12.3	18.1	18.9
03:00	.08	4.4	6.0	10.8	9.3	5.6	17.2	18.1
04:00	.10	2.5	4.1	6.0	8.9	3.2	16.5	17.3
05:00	.15	2.5	4.1	8.0	9.3	3.2	16.0	16.5
06:00	-.05	2.3	5.0	8.0	7.5	3.3	15.5	16.1
07:00	.04	2.5	4.1	9.6	6.4	2.9	15.4	16.0
08:00	.00	3.0	6.0	12.1	13.6	6.7	15.8	16.1
09:00	.18	9.8	12.1	12.8	21.3	16.9	18.6	18.0
10:00	-.08	8.7	8.7	11.0	18.9	16.9	20.3	19.4
11:00	-.55	8.5	9.6	10.3	20.4	22.9	21.7	20.9
12:00	-.65	10.8	10.1	10.3	25.5	27.5	23.5	22.6
13:00	.01	10.8	11.2	11.0	19.2	20.0	24.8	23.9
14:00	.42	12.6	12.4	12.8	16.7	18.2	26.3	25.3
15:00	.26	14.9	14.4	14.7	14.2	14.7	27.1	26.2
16:00	.35	12.8	15.3	14.9	21.5	20.4	27.9	26.9
17:00	.12	13.1	14.2	15.3	21.7	14.9	28.1	27.2
18:00	-.07	10.1	10.3	10.3	18.5	7.1	27.3	26.9
19:00	.07	5.3	7.8	11.7	9.9	3.5	24.6	25.5
20:00	.13	2.1	4.8	5.5	9.7	2.4	22.3	24.0
21:00	.11	3.0	3.9	8.0	7.6	4.7	20.5	22.8
22:00	.13	2.3	6.2	7.6	8.3	2.0	19.2	21.3
23:00	.05	3.0	4.8	10.5	7.9	3.2	17.8	19.9
Avg	.04	6.5	7.9	10.3	14.0	10.6	20.9	21.4
Max	.42	14.9	15.3	15.3	25.5	27.5	28.1	27.2
Hr. of Max	14	15	16	17	12	12	17	17
Min	-.65	2.1	3.9	5.5	6.4	2.0	15.4	16.0
Count	24	24	24	24	24	24	24	24
Total								