Date Printed: 10/20/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

10/19/2016

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	17.8	19.8	20.8	22.5	2.01	2.93	4.69	.93	2.68
01:00	17.3	19.0	20.0	21.6	1.71	2.65	4.30	.94	2.59
02:00	16.7	18.5	19.4	21.3	1.81	2.64	4.55	.83	2.74
03:00	16.5	18.2	18.9	21.0	1.64	2.34	4.48	.69	2.83
04:00	16.3	17.8	18.5	20.0	1.49	2.13	3.62	.64	2.13
05:00	15.6	17.3	17.6	18.4	1.72	2.02	2.77	.30	1.06
06:00	15.2	16.9	17.1	18.0	1.67	1.97	2.81	.29	1.14
07:00	14.8	16.4	16.8	17.6	1.60	2.03	2.87	.43	1.26
08:00	16.1	16.6	16.8	17.7	.48	.72	1.64	.24	1.16
09:00	19.1	18.8	18.7	19.2	-.24	-.34	.16	-.10	.40
10:00	22.2	21.8	21.5	21.5	-.44	-.69	-.69	-.25	-.25
11:00	25.7	25.0	24.7	24.7	-.75	-1.00	-1.04	-.25	-.29
12:00	28.4	27.3	27.0	26.9	-1.12	-1.39	-1.55	-.27	-.43
13:00	29.9	28.7	28.3	28.1	-1.25	-1.61	-1.85	-.37	-.60
14:00	30.7	29.4	29.0	28.9	-1.37	-1.71	-1.83	-.34	-.46
15:00	31.1	30.0	29.6	29.4	-1.14	-1.56	-1.69	-.41	-.54
16:00	30.6	29.9	29.6	29.5	-.65	-.99	-1.06	-.33	-.41
17:00	30.5	30.1	29.9	29.7	-.43	-.66	-.80	-.23	-.36
18:00	27.4	29.0	29.3	29.3	1.59	1.85	1.86	.26	.27
19:00	23.6	26.2	26.8	27.8	2.57	3.24	4.26	.67	1.68
20:00	21.6	23.9	24.5	25.9	2.33	2.88	4.31	.55	1.98
21:00	20.5	22.5	22.9	24.5	1.99	2.44	4.06	.45	2.06
22:00	19.7	21.5	21.8	23.4	1.80	2.11	3.65	.31	1.85
23:00	18.7	20.4	20.9	22.2	1.74	2.20	3.51	.46	1.77
Avg	21.9	22.7	22.9	23.7	.78	1.01	1.79	.23	1.01
Max	31.1	30.1	29.9	29.7	2.57	3.24	4.69	.94	2.83
Hr. of Max	15	17	17	17	19	19	00	01	03
Min	14.8	16.4	16.8	17.6	-1.37	-1.71	-1.85	-.41	-.60
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/19/2016

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	14.4	15.0	15.5	21.8	81.6	75.1	12.2	12.7	0.010535
01:00	14.3	14.9	15.3	21.7	83.9	78.6	12.2	12.6	0.010472
02:00	14.1	15.0	15.0	21.5	85.8	81.3	12.1	12.7	0.010338
03:00	14.1	15.0	14.9	21.4	87.2	83.3	12.1	12.7	0.010372
04:00	14.2	15.0	14.9	21.3	88.5	84.9	12.1	12.7	0.010388
05:00	13.8	15.0	14.4	21.1	90.5	87.7	11.9	12.7	0.010134
06:00	13.6	14.9	14.1	21.0	91.7	89.9	11.7	12.7	0.009985
07:00	13.3	14.7	13.8	20.9	92.3	91.7	11.5	12.6	0.009769
08:00	14.2	14.5	14.8	20.7	89.9	89.1	12.1	12.4	0.01036
09:00	15.5	15.0	16.7	20.6	81.2	79.7	13.1	12.7	0.011278
10:00	16.0	15.5	18.1	20.6	69.3	69.2	13.4	13.0	0.011677
11:00	15.9	15.5	19.2	20.6	56.1	56.9	13.2	12.9	0.011671
12:00	15.7	15.4	20.0	20.8	47.5	49.3	13.0	12.7	0.011596
13:00	15.1	15.0	20.0	21.1	41.6	44.5	12.4	12.4	0.011128
14:00	13.7	13.8	19.4	21.5	36.6	39.8	11.4	11.5	0.010239
15:00	13.0	13.0	19.0	22.0	34.1	36.3	10.9	10.9	0.009772
16:00	13.4	13.3	19.1	22.3	36.1	37.3	11.1	11.1	0.010006
17:00	13.3	13.1	19.0	22.6	35.9	36.2	11.1	10.9	0.009946
18:00	14.2	13.6	18.6	22.8	45.7	40.0	11.8	11.3	0.010495
19:00	14.7	14.6	17.7	22.9	58.8	50.3	12.3	12.2	0.010815
20:00	14.6	15.2	16.9	22.9	65.8	59.3	12.3	12.7	0.01074
21:00	14.7	15.3	16.6	22.8	70.7	65.3	12.4	12.8	0.010759
22:00	14.8	15.3	16.4	22.7	74.6	69.1	12.5	12.8	0.010822
23:00	14.7	15.3	16.0	22.6	78.9	73.7	12.4	12.9	0.010746
Avg	14.4	14.7	16.9	21.7	67.7	65.4	12.1	12.4	0.010585
Max	16.0	15.5	20.0	22.9	92.3	91.7	13.4	13.0	0.011677
Hr. of Max	10	11	13	20	07	07	10	10	10
Min	13.0	13.0	13.8	20.6	34.1	36.2	10.9	10.9	0.009769
Count	24	24	24	24	24	24	24	24	24
Total									

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OAK RIDGE NATIONAL LABORATORY
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Daily Summary Report

Site: Tower "D" (1000 Area)

10/19/2016

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	0.010992	16.4	17.1	.00	29.12	986.2	-2.5	.00	109.4
01:00	0.010921	16.3	17.0	.00	29.13	986.3	-2.4	.00	114.2
02:00	0.010981	16.1	17.1	.00	29.13	986.5	-2.4	.00	88.9
03:00	0.010997	16.2	17.1	.00	29.13	986.6	-2.4	.00	102.1
04:00	0.010955	16.2	17.1	.00	29.14	986.9	-2.5	.00	106.3
05:00	0.010955	15.8	17.1	.00	29.16	987.4	-1.9	.00	73.6
06:00	0.010892	15.6	17.0	.00	29.17	987.8	-1.9	.00	84.0
07:00	0.010765	15.3	16.8	.00	29.18	988.3	.2	.00	77.9
08:00	0.010573	16.2	16.5	.00	29.20	988.9	114.3	.16	100.1
09:00	0.010917	17.6	17.1	.00	29.22	989.4	175.6	.25	126.6
10:00	0.011355	18.2	17.7	.00	29.22	989.5	321.8	.46	137.6
11:00	0.011331	18.2	17.7	.00	29.21	989.2	515.0	.74	185.3
12:00	0.01129	18.1	17.6	.00	29.19	988.6	708.9	1.02	181.4
13:00	0.011078	17.4	17.3	.00	29.17	987.7	686.1	.98	240.9
14:00	0.010295	16.0	16.1	.00	29.13	986.6	725.8	1.04	177.6
15:00	0.009744	15.3	15.2	.00	29.12	986.1	564.2	.81	203.2
16:00	0.009958	15.6	15.5	.00	29.10	985.5	299.5	.43	249.2
17:00	0.009798	15.5	15.3	.00	29.09	985.1	250.2	.36	159.0
18:00	0.010126	16.3	15.8	.00	29.08	985.0	37.4	.05	123.9
19:00	0.010786	16.8	16.8	.00	29.09	985.3	-1.3	.00	67.6
20:00	0.011152	16.7	17.4	.00	29.11	985.7	-2.9	.00	74.1
21:00	0.011219	16.8	17.5	.00	29.12	986.3	-2.7	.00	82.4
22:00	0.011196	16.9	17.4	.00	29.13	986.5	-1.6	.00	86.1
23:00	0.011191	16.7	17.4	.00	29.12	986.2	-1.9	.00	86.1
Avg	0.010811	16.5	16.9	.00	29.14	987.0	182.2	.26	118.0
Max	0.011355	18.2	17.7	.00	29.22	989.5	725.8	1.04	249.2
Hr. of Max	10	11	11	23	10	10	14	14	16
Min	0.009744	15.3	15.2	.00	29.08	985.0	-2.9	.00	67.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/19/2016

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	13.0	203.3	237.6	217.3	22.3	38.9	12.4	.1	.1
01:00	236.3	241.9	257.0	257.4	32.4	5.0	10.1	.1	.4
02:00	329.4	232.2	220.4	255.1	5.5	17.1	26.3	.0	.2
03:00	349.4	231.6	257.3	255.5	15.9	3.9	7.0	.0	.0
04:00	24.1	191.1	59.5	197.8	16.3	26.3	18.6	.1	.5
05:00	56.4	55.5	78.2	63.5	11.9	7.9	6.3	.7	1.5
06:00	63.8	60.0	94.8	68.1	16.2	7.2	5.1	.8	1.2
07:00	62.3	57.5	68.0	65.8	18.7	18.7	9.3	.2	1.2
08:00	37.7	46.7	182.0	56.4	13.0	34.2	8.5	.1	.4
09:00	87.9	9.9	189.5	19.8	20.1	68.0	17.4	.2	.2
10:00	178.3	213.3	183.8	228.4	33.2	57.4	51.1	.5	.7
11:00	220.7	232.6	220.4	245.5	54.0	43.7	37.4	1.3	1.4
12:00	203.9	203.1	201.6	217.1	50.6	47.6	38.1	2.6	3.1
13:00	258.2	261.2	264.7	276.4	69.9	61.8	59.9	2.2	2.8
14:00	203.1	214.4	210.0	225.0	58.7	48.5	47.9	2.0	2.9
15:00	216.5	215.9	209.3	224.0	42.0	32.0	25.2	4.0	5.2
16:00	256.5	250.6	246.3	244.2	42.6	23.8	20.5	2.4	3.3
17:00	177.5	177.4	167.1	170.8	38.0	34.6	29.3	2.6	3.2
18:00	165.2	164.0	174.0	158.6	33.1	16.5	14.8	.7	2.1
19:00	66.2	133.1	46.0	124.9	17.6	27.2	19.7	.5	.9
20:00	59.2	46.7	58.8	34.5	11.1	6.7	10.7	.9	1.5
21:00	63.7	39.9	65.6	28.2	8.2	7.4	8.6	.5	1.6
22:00	67.5	70.4	60.8	61.2	8.3	13.0	8.1	.3	1.2
23:00	56.4	52.7	49.2	42.6	13.8	8.2	8.6	.2	1.0
Avg	76.0	183.0	175.0	207.0	27.2	27.3	20.9	.0	.0
Max	349.4	261.2	264.7	276.4	69.9	68.0	59.9	4.0	5.2
Hr. of Max	03	13	13	13	13	09	13	15	15
Min	13.0	9.9	46.0	19.8	5.5	3.9	5.1	.0	.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/19/2016

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	1.8	.1	.1	1.9	.6	2.0	2.3	-.9	.03
01:00	1.5	.3	.4	1.6	.7	1.8	.7	.3	.01
02:00	.6	.0	.2	.7	.3	1.1	2.3	-1.6	.02
03:00	1.4	.0	.0	1.4	.6	1.7	2.9	-1.2	.04
04:00	.7	.1	.6	1.0	.6	1.3	2.4	.0	.03
05:00	2.7	.8	1.6	2.8	1.1	3.0	3.7	.7	.07
06:00	3.4	.8	1.2	3.4	1.1	3.6	3.4	.7	.06
07:00	2.5	.4	1.4	2.6	.8	2.8	2.7	1.2	.04
08:00	1.2	.1	.5	1.3	.6	1.5	-1.1	1.0	-.02
09:00	.8	.2	.3	.9	.8	1.1	1.6	-4.2	.09
10:00	.8	.8	.9	1.0	1.4	1.4	3.0	-4.4	.11
11:00	1.9	2.0	2.0	2.3	2.5	2.9	-5.6	-6.2	-.22
12:00	3.7	3.9	4.3	4.8	4.5	5.4	2.9	1.8	.14
13:00	3.4	3.9	4.6	5.2	4.6	5.8	4.5	1.8	.22
14:00	3.6	4.3	4.7	5.0	4.4	5.7	1.8	1.2	-.02
15:00	6.1	4.8	5.8	6.6	5.4	7.0	-1.1	-3.8	-.06
16:00	3.9	3.2	4.0	4.5	3.7	4.9	.8	-2.0	-.11
17:00	3.9	3.4	4.1	4.5	4.0	5.0	-.2	.6	-.09
18:00	3.1	.8	2.4	3.4	1.3	3.6	3.0	.4	.04
19:00	1.9	.5	1.1	2.0	1.0	2.3	3.5	.1	.06
20:00	1.6	.9	1.6	1.7	1.1	1.9	2.3	-1.7	.04
21:00	1.8	.5	1.6	1.9	.9	2.1	1.7	.5	.03
22:00	2.7	.3	1.2	2.8	.6	3.0	.9	.0	.01
23:00	1.8	.2	1.0	2.0	.5	2.1	2.2	.1	.03
Avg	.0	1.3	1.9	2.7	1.8	3.0	1.7	-.7	.02
Max	6.1	4.8	5.8	6.6	5.4	7.0	4.5	1.8	.22
Hr. of Max	15	15	15	15	15	15	13	13	13
Min	.6	.0	.0	.7	.3	1.1	-5.6	-6.2	-.22
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

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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	-.03	2.1	1.4	6.0	6.1	4.4	20.8	23.4
01:00	.01	3.7	2.5	4.8	5.1	4.8	20.0	22.4
02:00	-.03	.7	1.4	2.1	7.3	6.0	19.5	22.1
03:00	-.03	.7	.9	2.5	6.4	4.0	19.2	21.9
04:00	.00	1.1	2.3	3.0	7.4	5.1	18.8	20.8
05:00	.03	1.8	3.0	4.1	7.7	3.1	18.3	19.3
06:00	.05	2.3	2.3	8.2	6.2	2.8	17.9	18.9
07:00	.07	2.1	3.0	6.2	8.1	3.7	17.3	18.5
08:00	.03	1.1	3.7	2.3	17.1	5.8	17.7	18.7
09:00	-.13	1.6	2.1	3.0	22.2	11.4	20.0	20.2
10:00	-.10	4.6	4.8	6.2	32.3	24.5	23.0	22.3
11:00	-.37	7.8	8.7	7.6	25.5	29.7	25.9	25.2
12:00	.12	10.5	11.0	12.4	23.7	26.6	28.0	27.2
13:00	.07	11.4	13.1	14.4	26.1	24.9	29.4	28.4
14:00	-.19	13.7	14.9	18.8	24.9	27.4	30.3	29.1
15:00	-.39	16.7	17.2	18.1	21.4	20.0	30.5	29.5
16:00	-.28	15.6	20.6	18.8	21.2	17.1	30.6	29.7
17:00	-.16	9.6	8.9	9.4	19.7	22.8	30.7	30.0
18:00	-.03	10.8	8.7	12.8	18.0	11.8	29.6	29.6
19:00	-.03	2.1	6.6	6.6	17.5	11.7	26.8	28.3
20:00	-.06	3.0	2.7	2.5	8.4	5.6	24.8	26.6
21:00	.02	1.6	3.7	3.4	8.9	3.3	23.4	25.2
22:00	.01	1.6	3.2	5.0	6.8	3.0	22.5	24.1
23:00	.00	1.4	2.7	4.6	7.2	5.8	21.4	23.0
Avg	-.06	5.3	6.2	7.6	14.8	11.9	23.6	24.4
Max	.12	16.7	20.6	18.8	32.3	29.7	30.7	30.0
Hr. of Max	12	15	16	16	10	11	17	17
Min	-.39	.7	.9	2.1	5.1	2.8	17.3	18.5
Count	24	24	24	24	24	24	24	24
Total								