Date Printed: 09/23/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/22/2016

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	19.3	22.3	22.6	23.0	2.96	3.26	3.74	.30	.78
01:00	18.8	21.3	21.9	22.7	2.56	3.17	3.97	.60	1.41
02:00	18.3	20.4	21.1	22.1	2.15	2.84	3.78	.70	1.64
03:00	17.8	19.8	20.3	21.1	1.98	2.58	3.32	.60	1.34
04:00	17.3	19.0	19.6	20.5	1.78	2.37	3.21	.60	1.43
05:00	16.8	18.6	19.0	19.6	1.77	2.21	2.83	.44	1.06
06:00	16.1	17.6	18.3	19.0	1.59	2.26	2.98	.68	1.40
07:00	15.8	17.1	17.7	18.6	1.28	1.94	2.81	.66	1.53
08:00	18.0	18.0	18.1	18.5	-.02	.12	.49	.14	.52
09:00	21.8	21.4	21.0	21.0	-.49	-.79	-.86	-.30	-.37
10:00	24.6	23.8	23.5	23.3	-.79	-1.14	-1.31	-.35	-.52
11:00	26.4	25.5	25.1	24.9	-.98	-1.34	-1.54	-.37	-.56
12:00	28.3	27.1	26.8	26.6	-1.11	-1.51	-1.64	-.39	-.53
13:00	30.0	28.8	28.3	28.2	-1.24	-1.65	-1.76	-.41	-.51
14:00	31.4	29.9	29.6	29.4	-1.47	-1.83	-2.02	-.36	-.54
15:00	31.6	30.6	30.2	30.0	-1.04	-1.43	-1.64	-.39	-.60
16:00	32.0	31.2	30.8	30.7	-.78	-1.15	-1.30	-.36	-.52
17:00	31.9	31.3	31.0	30.8	-.57	-.88	-1.04	-.31	-.48
18:00	30.3	30.6	30.5	30.5	.35	.25	.23	-.11	-.13
19:00	25.5	27.8	28.7	29.0	2.28	3.18	3.45	.90	1.17
20:00	23.3	25.7	26.2	27.7	2.43	2.88	4.40	.45	1.97
21:00	21.8	24.2	24.4	26.4	2.33	2.56	4.55	.23	2.23
22:00	21.1	22.8	23.2	25.1	1.66	2.06	3.96	.40	2.30
23:00	20.3	22.0	22.8	23.5	1.72	2.46	3.16	.74	1.44
Avg	23.3	24.0	24.2	24.7	.76	.93	1.41	.17	.64
Max	32.0	31.3	31.0	30.8	2.96	3.26	4.55	.90	2.30
Hr. of Max	16	17	17	17	00	00	21	19	22
Min	15.8	17.1	17.7	18.5	-1.47	-1.83	-2.02	-.41	-.60
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)

9/22/2016

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	15.7	15.4	16.9	25.2	81.4	66.6	13.3	12.9	0.011507
01:00	15.6	15.2	16.6	25.0	83.3	69.7	13.2	12.8	0.011384
02:00	15.5	15.7	16.4	24.8	85.5	76.0	13.2	13.3	0.011342
03:00	15.4	15.8	16.2	24.6	87.8	79.4	13.1	13.3	0.011277
04:00	15.3	15.5	15.9	24.4	89.6	81.3	13.0	13.1	0.01114
05:00	15.0	15.6	15.6	24.2	90.8	84.3	12.8	13.2	0.01098
06:00	14.5	15.6	15.0	24.1	92.3	89.6	12.4	13.3	0.010615
07:00	14.4	15.6	14.9	23.9	92.8	92.5	12.3	13.3	0.01051
08:00	15.4	14.9	16.3	23.7	86.5	84.0	13.1	12.7	0.011252
09:00	16.1	15.1	18.0	23.5	71.5	69.2	13.5	12.7	0.011762
10:00	15.5	14.9	18.5	23.5	58.2	58.5	12.9	12.4	0.011367
11:00	15.2	14.9	19.0	23.6	51.5	53.4	12.6	12.4	0.011198
12:00	15.4	14.9	19.7	23.9	46.7	48.2	12.7	12.3	0.011313
13:00	14.5	13.9	19.7	24.4	40.2	41.3	12.0	11.5	0.010754
14:00	14.1	14.0	19.9	24.9	36.1	38.9	11.6	11.6	0.010491
15:00	14.2	14.1	20.0	25.4	35.9	37.7	11.7	11.6	0.010566
16:00	12.2	11.9	18.8	25.7	31.0	31.7	10.3	10.1	0.009316
17:00	12.2	11.7	18.8	26.0	31.1	31.1	10.3	10.0	0.009294
18:00	14.1	13.5	19.5	26.1	38.8	36.4	11.7	11.3	0.010518
19:00	16.3	14.8	19.4	26.2	58.2	46.4	13.6	12.3	0.012037
20:00	16.3	15.5	18.6	26.1	66.2	54.6	13.6	12.9	0.011987
21:00	16.3	16.1	18.1	26.0	72.2	61.9	13.7	13.4	0.01195
22:00	16.3	16.2	17.9	25.8	75.6	67.9	13.7	13.6	0.011986
23:00	16.2	16.3	17.6	25.6	78.9	71.5	13.7	13.7	0.011889
Avg	15.1	14.9	17.8	24.9	65.9	61.3	12.7	12.5	0.011101
Max	16.3	16.3	20.0	26.2	92.8	92.5	13.7	13.7	0.012037
Hr. of Max	22	23	15	19	07	07	23	23	19
Min	12.2	11.7	14.9	23.5	31.0	31.1	10.3	10.0	0.009294
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)

9/22/2016

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	0.011286	17.9	17.6	.00	29.17	987.8	-2.2	.00	38.0
01:00	0.011166	17.8	17.4	.00	29.17	987.8	-3.1	.00	39.8
02:00	0.011524	17.7	18.0	.00	29.17	987.7	-3.2	.00	70.0
03:00	0.011547	17.6	18.0	.00	29.16	987.6	-3.0	.00	69.2
04:00	0.011299	17.4	17.6	.00	29.16	987.6	-2.8	.00	30.8
05:00	0.011387	17.1	17.8	.00	29.17	987.9	-2.7	.00	58.2
06:00	0.011398	16.6	17.8	.00	29.18	988.3	-2.8	.00	274.6
07:00	0.011369	16.4	17.7	.00	29.20	988.8	15.6	.02	276.1
08:00	0.010891	17.6	17.0	.00	29.21	989.2	177.7	.25	208.0
09:00	0.011064	18.4	17.3	.00	29.21	989.1	391.6	.56	106.0
10:00	0.010904	17.8	17.0	.00	29.21	989.2	586.2	.84	88.5
11:00	0.010956	17.5	17.1	.00	29.21	989.1	732.0	1.05	85.2
12:00	0.010941	17.7	17.1	.00	29.20	988.8	822.6	1.18	123.0
13:00	0.010297	16.8	16.1	.00	29.17	988.0	852.2	1.22	151.2
14:00	0.010407	16.4	16.2	.00	29.14	986.9	827.9	1.19	350.9
15:00	0.010457	16.5	16.3	.00	29.12	986.2	734.8	1.05	65.2
16:00	0.009105	14.5	14.2	.00	29.11	985.7	592.1	.85	76.7
17:00	0.008981	14.5	14.0	.00	29.10	985.4	285.1	.41	83.4
18:00	0.010125	16.4	15.8	.00	29.10	985.4	125.0	.18	62.9
19:00	0.010951	18.7	17.0	.00	29.10	985.4	8.5	.01	346.8
20:00	0.011424	18.6	17.8	.00	29.11	985.7	-2.6	.00	42.6
21:00	0.011803	18.6	18.4	.00	29.12	986.3	-1.3	.00	49.0
22:00	0.011916	18.7	18.5	.00	29.13	986.6	-2.9	.00	52.3
23:00	0.011972	18.5	18.6	.00	29.15	987.0	-2.6	.00	69.9
Avg	0.010965	17.3	17.1	.00	29.16	987.4	255.1	.37	61.0
Max	0.011972	18.7	18.6	.00	29.21	989.2	852.2	1.22	350.9
Hr. of Max	23	22	23	23	11	10	13	13	14
Min	0.008981	14.5	14.0	.00	29.10	985.4	-3.2	.00	30.8
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/22/2016

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	48.2	57.6	37.6	46.1	27.4	13.1	6.5	1.3	3.6
01:00	60.5	62.0	44.4	50.9	20.1	5.5	4.0	.8	2.8
02:00	60.0	61.6	75.8	50.2	11.6	6.5	2.6	.9	2.3
03:00	71.6	60.4	68.7	48.9	15.7	5.6	2.8	1.0	2.1
04:00	67.5	63.3	33.4	51.5	14.5	7.0	5.8	.9	2.1
05:00	58.2	61.7	63.5	50.3	11.5	8.1	3.6	1.2	2.4
06:00	51.1	51.7	271.2	37.7	36.4	49.9	4.1	.6	.6
07:00	359.4	51.2	276.8	26.8	31.0	38.1	9.9	.5	.1
08:00	189.4	44.2	209.8	8.7	22.5	50.5	27.8	.6	.3
09:00	84.9	68.6	107.9	55.3	29.3	27.7	22.2	2.0	2.3
10:00	83.6	81.3	89.9	69.7	23.9	21.4	17.3	4.4	4.8
11:00	83.4	78.5	87.0	66.5	35.0	27.7	21.4	3.2	3.7
12:00	118.6	114.8	127.4 +	105.1	29.9	31.2	30.3	3.0	3.1
13:00	134.0	128.4	159.1	127.2	50.3	45.1	40.6	1.1	.9
14:00	1.6	7.9	348.4	353.2	62.8	51.5	42.0	1.7	2.7
15:00	60.5	57.3	71.5	44.9	67.6	64.0	54.0	2.7	3.6
16:00	67.3	70.2	75.5	57.3	57.9	52.4	43.8	2.1	2.7
17:00	80.4	77.0	83.5	65.3	24.6	18.9	16.3	4.8	6.6
18:00	73.8	76.7	64.8	64.9	23.5	18.8	12.9	2.9	4.6
19:00	47.2	64.9	354.9	51.8	9.5	11.5	7.1	1.2	2.6
20:00	61.3	24.9	49.2	8.0	20.9	8.1	10.1	1.0	1.7
21:00	65.4	49.0	51.2	34.8	18.8	13.2	12.2	.6	1.6
22:00	61.4	68.5	56.4	56.5	19.9	8.1	10.0	1.0	2.3
23:00	46.3	52.6	75.8	39.9	17.2	7.7	4.3	1.0	3.0
Avg	67.0	63.0	65.0	49.0	28.4	24.7	17.2	.0	.0
Max	359.4	128.4	354.9	353.2	67.6	64.0	54.0	4.8	6.6
Hr. of Max	07	13	19	14	15	15	15	17	17
Min	1.6	7.9	33.4	8.0	9.5	5.5	2.6	.5	.1
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)

9/22/2016

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	6.2	1.6	3.7	6.2	1.7	6.5	-.6	-.6	-.07
01:00	5.2	.9	2.9	5.2	1.1	5.4	3.2	-.1	.05
02:00	5.1	.9	2.3	5.1	1.2	5.3	3.2	.0	.07
03:00	4.2	1.1	2.2	4.2	1.3	4.4	3.6	.6	.08
04:00	3.3	.9	2.2	3.3	1.1	3.5	2.1	1.2	.05
05:00	4.4	1.2	2.4	4.4	1.4	4.6	3.0	1.0	.07
06:00	3.1	.7	.6	3.1	1.1	3.3	.3	.6	.00
07:00	1.4	.7	.4	1.5	1.1	1.7	.2	.7	.00
08:00	.6	.6	.4	.7	1.1	1.0	-1.4	-.2	-.02
09:00	3.0	2.2	2.6	3.2	2.8	3.6	5.5	4.5	.22
10:00	5.3	4.7	5.1	5.5	5.0	5.9	1.6	1.6	.03
11:00	4.3	3.9	4.2	4.6	4.4	5.2	.8	.0	.07
12:00	3.1	3.4	3.6	3.7	4.2	4.3	.2	3.1	.10
13:00	.8	3.0	3.1	3.3	3.6	4.0	-1.4	-8.2	-.18
14:00	3.3	3.7	4.5	5.0	4.3	5.7	-.7	-2.3	-.19
15:00	4.4	4.1	4.9	5.8	4.8	6.5	-.8	-.1	-.16
16:00	3.5	2.9	3.5	4.1	3.5	4.8	-5.2	-.5	-.31
17:00	7.9	5.1	6.9	8.2	5.7	8.6	.8	-.7	-.07
18:00	5.8	3.2	4.9	5.9	3.6	6.3	-.5	5.2	-.09
19:00	3.5	1.3	2.8	3.6	1.5	3.8	.8	2.6	.01
20:00	3.0	1.0	1.8	3.0	1.2	3.2	1.8	1.7	.03
21:00	2.8	.7	1.6	2.9	1.0	3.1	4.5	2.1	.08
22:00	3.7	1.0	2.4	3.8	1.2	4.0	1.8	2.3	.03
23:00	5.1	1.1	3.1	5.1	1.3	5.3	3.9	.1	.09
Avg	.0	2.1	3.0	4.2	2.5	4.6	1.1	.6	.00
Max	7.9	5.1	6.9	8.2	5.7	8.6	5.5	5.2	.22
Hr. of Max	17	17	17	17	17	17	09	18	09
Min	.6	.6	.4	.7	1.0	1.0	-5.2	-8.2	-.31
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/22/2016

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	-.07	4.6	6.2	11.2	16.3	4.8	23.2	23.7
01:00	-.01	2.3	7.3	12.4	8.3	2.9	22.2	23.4
02:00	-.01	2.1	5.5	13.1	5.9	1.8	21.4	22.8
03:00	.04	2.7	4.8	10.1	6.1	2.1	20.8	21.8
04:00	.08	3.4	4.4	6.2	7.2	2.3	20.0	21.2
05:00	.08	2.5	4.6	7.3	7.1	2.3	19.6	20.5
06:00	.04	1.6	3.4	9.2	5.8	2.9	18.6	19.8
07:00	.01	2.5	2.5	3.9	6.4	4.2	18.1	19.4
08:00	-.02	3.9	3.7	2.7	13.9	12.0	19.0	19.4
09:00	.22	7.3	7.8	8.5	20.9	19.3	22.4	21.8
10:00	.17	10.1	11.2	11.4	18.2	17.3	24.8	23.9
11:00	.08	8.5	8.7	10.1	21.7	21.8	26.4	25.5
12:00	.36	8.5	8.7	11.9	20.7	24.4	27.9	27.1
13:00	-.43	10.5	9.2	10.5	25.5	27.4	29.4	28.6
14:00	-.38	12.1	11.4	11.0	25.0	23.4	30.6	29.6
15:00	-.14	11.2	13.7	12.6	22.4	23.2	31.2	30.2
16:00	.00	8.9	11.2	11.7	28.0	27.5	31.8	30.8
17:00	-.16	12.4	13.7	15.8	17.5	11.1	31.8	30.9
18:00	.44	10.1	14.2	14.9	17.7	11.6	31.3	30.8
19:00	.17	4.6	7.3	10.1	7.7	6.2	28.5	29.4
20:00	.09	2.3	3.4	6.9	9.0	5.4	26.6	28.2
21:00	.11	1.6	4.8	4.8	9.4	4.9	25.1	27.0
22:00	.17	2.5	4.1	6.2	8.7	3.2	23.8	25.8
23:00	-.01	3.7	7.1	7.8	11.1	2.9	23.0	24.3
Avg	.03	5.8	7.5	9.6	14.2	11.0	24.9	25.2
Max	.44	12.4	14.2	15.8	28.0	27.5	31.8	30.9
Hr. of Max	18	17	18	17	16	16	17	17
Min	-.43	1.6	2.5	2.7	5.8	1.8	18.1	19.4
Count	24	24	24	24	24	24	24	24
Total								