Date Printed: 09/24/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/23/2016

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	19.8	21.3	21.8	22.8	1.52	1.99	3.06	.47	1.54
01:00	19.2	20.8	21.1	22.0	1.60	1.92	2.86	.32	1.27
02:00	18.2	19.8	20.0	20.6	1.57	1.75	2.36	.18	.79
03:00	17.8	19.3	19.6	20.0	1.58	1.84	2.27	.26	.69
04:00	17.2	18.4	19.1	19.8	1.26	1.89	2.63	.63	1.37
05:00	16.7	18.1	18.4	19.3	1.35	1.70	2.63	.35	1.28
06:00	16.4	17.7	18.0	18.7	1.25	1.58	2.27	.33	1.01
07:00	16.3	17.2	17.6	18.1	.97	1.37	1.84	.40	.87
08:00	18.4	18.4	18.5	18.7	.04	.09	.39	.06	.36
09:00	21.9	21.4	21.1	21.0	-.48	-.72	-.85	-.24	-.37
10:00	24.5	23.7	23.3	23.2	-.76	-1.14	-1.24	-.38	-.48
11:00	26.6	25.5	25.1	24.9	-1.04	-1.43	-1.61	-.39	-.56
12:00	28.1	27.0	26.7	26.5	-1.09	-1.46	-1.59	-.37	-.50
13:00	29.7	28.4	28.0	27.9	-1.35	-1.73	-1.83	-.37	-.47
14:00	30.0	29.0	28.7	28.6	-1.05	-1.36	-1.46	-.31	-.41
15:00	31.5	30.2	29.8	29.7	-1.29	-1.72	-1.86	-.42	-.57
16:00	30.6	30.0	29.8	29.7	-.60	-.85	-.97	-.24	-.37
17:00	31.0	30.4	30.1	29.9	-.56	-.87	-1.03	-.31	-.47
18:00	29.5	30.0	30.0	29.9	.49	.41	.37	-.08	-.11
19:00	25.8	27.7	28.5	28.8	1.86	2.67	3.02	.81	1.16
20:00	23.4	25.8	26.0	26.8	2.35	2.61	3.37	.26	1.02
21:00	22.1	24.3	24.4	25.8	2.23	2.35	3.74	.12	1.52
22:00	20.9	22.7	23.2	24.6	1.82	2.35	3.76	.53	1.94
23:00	20.1	21.9	22.4	23.3	1.85	2.26	3.15	.41	1.30
Avg	23.2	23.7	23.8	24.2	.56	.65	1.05	.08	.49
Max	31.5	30.4	30.1	29.9	2.35	2.67	3.76	.81	1.94
Hr. of Max	15	17	17	18	20	19	22	19	22
Min	16.3	17.2	17.6	18.1	-1.35	-1.73	-1.86	-.42	-.57
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/23/2016

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	16.3	16.6	17.5	25.4	82.3	76.4	13.8	14.0	0.011974
01:00	16.3	16.6	17.2	25.2	85.0	78.7	13.7	14.0	0.01191
02:00	16.0	16.6	16.8	25.0	88.8	83.6	13.6	14.0	0.011734
03:00	15.9	16.6	16.5	24.8	90.5	86.1	13.5	14.1	0.011625
04:00	15.6	16.6	16.1	24.6	91.9	91.2	13.2	14.1	0.011365
05:00	15.3	16.8	15.8	24.5	93.1	94.2	13.0	14.3	0.011171
06:00	15.1	16.7	15.5	24.3	93.5	96.0	12.9	14.2	0.011021
07:00	15.0	16.5	15.4	24.1	93.8	97.2	12.8	14.0	0.010942
08:00	16.1	16.0	16.9	23.9	88.7	87.8	13.7	13.6	0.011801
09:00	17.3	16.2	18.8	23.7	77.4	74.1	14.6	13.6	0.012766
10:00	17.5	16.7	19.8	23.7	66.7	66.1	14.6	13.9	0.0129
11:00	17.4	17.0	20.4	23.8	58.6	60.7	14.5	14.1	0.01283
12:00	17.1	16.6	20.8	24.1	52.6	54.3	14.2	13.8	0.012653
13:00	17.0	16.7	21.2	24.6	47.7	50.4	14.0	13.8	0.012569
14:00	16.8	16.6	21.2	25.2	46.3	48.6	13.8	13.7	0.012431
15:00	16.3	16.1	21.4	25.6	41.2	43.8	13.4	13.3	0.012095
16:00	16.8	16.5	21.4	26.0	44.8	45.5	13.8	13.6	0.012467
17:00	16.6	16.3	21.4	26.2	43.4	43.9	13.6	13.4	0.012306
18:00	16.8	16.1	21.1	26.3	47.9	44.4	13.9	13.3	0.012472
19:00	17.9	16.9	20.6	26.4	63.6	53.4	15.0	14.0	0.013336
20:00	17.7	17.3	19.6	26.3	71.9	61.0	14.9	14.4	0.013099
21:00	17.3	17.3	18.9	26.2	76.1	66.5	14.6	14.4	0.012768
22:00	17.2	17.3	18.4	26.0	81.1	73.3	14.5	14.6	0.012647
23:00	17.1	17.4	18.1	25.9	84.6	77.1	14.5	14.7	0.012571
Avg	16.6	16.7	18.8	25.1	71.3	68.9	13.9	14.0	0.012227
Max	17.9	17.4	21.4	26.4	93.8	97.2	15.0	14.7	0.013336
Hr. of Max	19	23	17	19	07	07	19	23	19
Min	15.0	16.0	15.4	23.7	41.2	43.8	12.8	13.3	0.010942
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)

9/23/2016

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	0.01221	18.6	19.0	.00	29.15	987.1	-1.6	.00	67.7
01:00	0.012177	18.5	19.0	.00	29.15	987.0	-1.9	.00	78.9
02:00	0.012184	18.3	19.0	.00	29.15	987.0	-3.1	.00	229.9
03:00	0.012206	18.1	19.0	.00	29.14	987.0	-2.9	.00	344.1
04:00	0.012199	17.7	19.0	.00	29.15	987.0	-2.5	.00	286.8
05:00	0.012313	17.4	19.2	.00	29.16	987.4	-2.5	.00	329.4
06:00	0.012248	17.2	19.1	.00	29.17	987.9	-2.4	.00	266.4
07:00	0.012061	17.1	18.8	.00	29.19	988.6	14.7	.02	289.9
08:00	0.011696	18.4	18.3	.00	29.20	989.0	175.4	.25	218.2
09:00	0.01188	19.9	18.5	.00	29.21	989.2	405.4	.58	156.3
10:00	0.012227	20.1	19.1	.00	29.21	989.4	553.3	.79	138.2
11:00	0.0125	20.0	19.5	.00	29.21	989.2	717.6	1.03	142.6
12:00	0.012239	19.7	19.1	.00	29.19	988.7	822.0	1.18	153.2
13:00	0.012294	19.6	19.2	.00	29.18	988.1	818.9	1.17	279.0
14:00	0.012289	19.3	19.1	.00	29.15	987.3	648.7	.93	130.9
15:00	0.011924	18.8	18.6	.00	29.13	986.5	792.4	1.14	203.2
16:00	0.012246	19.4	19.0	.00	29.12	986.3	315.8	.45	99.1
17:00	0.012068	19.1	18.8	.00	29.12	986.0	290.1	.42	83.0
18:00	0.011946	19.4	18.6	.00	29.12	986.1	133.0	.19	54.5
19:00	0.012509	20.7	19.4	.00	29.11	986.0	9.8	.01	346.9
20:00	0.012803	20.3	19.9	.00	29.12	986.2	-2.1	.00	31.8
21:00	0.012757	19.8	19.8	.00	29.14	986.7	-2.3	.00	51.3
22:00	0.012781	19.7	19.9	.00	29.15	987.1	-1.6	.00	354.2
23:00	0.012832	19.6	20.0	.00	29.16	987.4	-2.8	.00	9.1
Avg	0.012275	19.0	19.1	.00	29.16	987.4	236.3	.34	52.0
Max	0.012832	20.7	20.0	.00	29.21	989.4	822.0	1.18	354.2
Hr. of Max	23	19	23	23	11	10	12	12	22
Min	0.011696	17.1	18.3	.00	29.11	986.0	-3.1	.00	9.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/23/2016

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	63.1	61.2	72.0	49.8	12.1	9.4	5.2	1.2	2.7
01:00	57.3	61.9	84.8	50.8	14.3	6.8	3.1	1.2	3.0
02:00	81.0	61.2	270.1	48.7	34.3	12.7	6.4	.0	.6
03:00	57.1	61.4	319.2	47.7	14.7	13.7	8.5	.1	.6
04:00	49.3	49.8	278.8	30.1	20.1	25.3	7.9	.4	.4
05:00	91.9	37.3	300.8	10.3	24.8	46.8	5.6	.0	.1
06:00	68.9	40.4	263.7	341.8	10.5	30.8	24.5	.6	.9
07:00	251.3	234.1	287.9	272.4	49.5	53.2	59.2	.4	.7
08:00	245.4	326.8	210.5	298.5	31.3	41.5	54.3	.4	.1
09:00	177.8	96.0	167.8	20.2	29.1	48.3	59.5	.8	.6
10:00	122.0	113.5	145.4	103.2	29.2	36.8	34.2	1.9	1.9
11:00	154.4	137.1	148.9	133.0	61.4	58.7	51.4	1.3	1.2
12:00	158.2	154.2	159.5	147.2	49.6	38.8	36.0	2.2	2.4
13:00	283.6	293.5	284.8	283.3	52.7	50.6	52.2	1.8	2.2
14:00	140.1	139.7	140.8	134.6	47.7	45.1	40.6	1.5	1.6
15:00	196.5	209.8	200.8	210.8	54.1	58.1	51.7	.8	.7
16:00	101.5	97.2	106.1	85.5	40.9	29.5	24.2	2.7	3.6
17:00	81.1	77.9	86.0	65.7	32.7	27.4	21.4	3.2	4.1
18:00	81.3	79.0	58.6	67.0	36.0	30.0	16.1	1.7	2.9
19:00	52.7	70.4	340.7	58.1	19.4	8.6	7.6	.6	2.0
20:00	66.1	53.1	41.9	37.5	17.1	7.0	7.5	1.0	1.7
21:00	69.3	60.0	60.3	47.1	11.3	7.0	4.6	.6	1.4
22:00	65.9	70.7	12.2	57.9	44.7	11.0	8.1	.3	1.4
23:00	66.8	55.7	33.9	42.1	43.3	8.2	4.4	.5	1.3
Avg	92.0	75.0	77.0	51.0	32.5	29.4	24.8	.0	.0
Max	283.6	326.8	340.7	341.8	61.4	58.7	59.5	3.2	4.1
Hr. of Max	13	08	19	06	11	11	09	17	17
Min	49.3	37.3	12.2	10.3	10.5	6.8	3.1	.0	.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)

9/23/2016

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	5.5	1.3	2.7	5.6	1.4	5.8	1.9	-.2	.03
01:00	5.6	1.3	3.0	5.6	1.5	5.8	3.4	.8	.08
02:00	3.0	.1	.6	3.0	.5	3.2	1.1	3.0	.01
03:00	2.6	.1	.6	2.6	.5	2.8	1.4	.2	.02
04:00	1.3	.4	.4	1.4	.8	1.6	1.6	-.8	.01
05:00	1.0	.1	.1	1.0	.6	1.3	.3	.2	.00
06:00	.2	.6	.9	1.0	1.1	1.3	.5	1.0	.01
07:00	.6	.4	.8	.6	.9	.9	2.7	.9	.03
08:00	.2	.4	.1	.5	.9	.9	2.7	-2.0	.08
09:00	.5	1.0	.8	.8	1.6	1.3	-.3	-6.6	.08
10:00	2.0	2.2	2.2	2.3	2.8	3.0	.5	-2.6	.06
11:00	1.2	2.2	2.0	2.0	2.9	2.8	-1.3	-6.4	-.03
12:00	2.5	3.1	3.2	3.2	3.6	3.9	-2.4	-8.3	-.17
13:00	2.2	3.9	4.1	4.0	4.4	4.5	-3.4	-10.1	-.31
14:00	1.8	3.0	3.0	3.0	3.6	3.7	-2.4	-6.9	-.17
15:00	.5	3.2	3.7	3.8	3.8	4.7	3.4	5.1	.15
16:00	4.0	3.1	4.0	4.3	3.8	4.8	5.1	6.2	.22
17:00	4.9	3.5	4.5	5.3	4.1	5.7	.7	2.8	-.01
18:00	3.8	1.9	3.1	4.0	2.3	4.3	2.3	2.9	.01
19:00	2.9	.7	2.0	2.9	1.0	3.1	-.3	1.0	-.01
20:00	2.1	1.0	1.8	2.1	1.2	2.3	1.1	2.8	.01
21:00	2.5	.6	1.4	2.5	1.0	2.8	2.8	1.4	.03
22:00	2.3	.4	1.4	2.4	.7	2.6	3.8	-.2	.05
23:00	2.7	.6	1.3	2.7	1.0	2.9	2.0	.6	.03
Avg	.0	1.5	2.0	2.8	1.9	3.2	1.1	-.6	.01
Max	5.6	3.9	4.5	5.6	4.4	5.8	5.1	6.2	.22
Hr. of Max	01	13	17	01	13	01	16	16	16
Min	.2	.1	.1	.5	.5	.9	-3.4	-10.1	-.31
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/23/2016

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	-.02	2.7	5.0	10.3	7.3	2.2	22.4	23.6
01:00	.07	2.5	4.8	9.4	8.2	2.2	21.9	22.9
02:00	.16	1.1	3.2	9.2	6.7	3.0	21.0	21.5
03:00	.00	1.1	2.5	6.9	9.7	3.7	20.5	21.0
04:00	-.02	2.3	1.6	2.3	6.9	4.0	19.5	20.7
05:00	.00	.9	1.1	2.5	7.3	4.4	19.2	20.3
06:00	.03	2.3	3.4	3.0	4.9	4.2	18.8	19.7
07:00	.01	1.8	6.4	5.5	6.8	7.1	18.4	19.1
08:00	-.05	1.8	1.1	1.6	17.3	12.0	19.5	19.8
09:00	-.08	3.4	4.4	4.1	28.6	26.9	22.5	22.1
10:00	-.25	5.7	5.5	5.7	25.7	32.3	24.9	24.2
11:00	-.29	6.4	5.7	6.0	29.1	36.2	26.6	25.8
12:00	-.63	9.2	8.2	8.5	25.5	30.6	28.0	27.2
13:00	-.75	11.4	11.7	12.8	23.2	24.6	29.3	28.4
14:00	-.33	8.5	7.3	6.6	23.7	30.2	29.9	29.1
15:00	.53	8.0	9.2	9.2	27.8	29.6	31.1	30.0
16:00	.51	8.5	10.8	12.4	20.2	18.1	31.0	30.2
17:00	.25	9.8	10.5	10.5	19.8	16.0	31.4	30.5
18:00	.17	6.2	7.6	8.0	19.4	15.1	31.0	30.5
19:00	.05	2.3	5.5	6.0	10.9	4.7	28.6	29.5
20:00	.11	2.1	3.4	5.0	7.2	3.3	26.8	27.7
21:00	.07	2.5	3.9	4.4	7.2	3.2	25.4	26.7
22:00	.00	2.1	3.2	5.3	8.9	4.3	23.8	25.6
23:00	.04	4.1	4.8	6.4	6.4	3.2	23.1	24.2
Avg	-.02	4.4	5.5	6.7	14.9	13.4	24.8	25.0
Max	.53	11.4	11.7	12.8	29.1	36.2	31.4	30.5
Hr. of Max	15	13	13	13	11	11	17	18
Min	-.75	.9	1.1	1.6	4.9	2.2	18.4	19.1
Count	24	24	24	24	24	24	24	24
Total								