Date Printed: 09/15/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/14/2016

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	20.8	22.1	22.7	23.4	1.25	1.86	2.54	.61	1.29
01:00	20.2	21.3	21.9	22.8	1.05	1.74	2.61	.68	1.55
02:00	19.6	20.6	21.3	22.0	1.04	1.70	2.44	.66	1.40
03:00	19.2	20.2	20.8	21.5	1.05	1.59	2.35	.54	1.30
04:00	18.8	19.9	20.4	21.1	1.06	1.58	2.28	.53	1.23
05:00	18.5	19.5	20.0	20.7	1.02	1.47	2.18	.45	1.16
06:00	18.3	19.3	19.8	20.3	.94	1.45	2.00	.51	1.06
07:00	18.5	19.3	19.6	20.0	.86	1.15	1.48	.29	.61
08:00	20.7	20.7	20.5	20.5	-.03	-.18	-.14	-.15	-.11
09:00	23.9	23.4	23.1	23.0	-.49	-.71	-.83	-.22	-.34
10:00	26.5	25.7	25.4	25.3	-.81	-1.10	-1.20	-.28	-.39
11:00	29.1	28.0	27.6	27.4	-1.06	-1.48	-1.69	-.42	-.63
12:00	30.4	29.2	28.8	28.7	-1.19	-1.60	-1.78	-.42	-.60
13:00	31.4	30.2	29.8	29.6	-1.17	-1.56	-1.77	-.39	-.60
14:00	32.5	31.3	30.9	30.8	-1.21	-1.64	-1.78	-.43	-.57
15:00	32.4	30.8	30.1	29.9	-1.58	-2.23	-2.47	-.65	-.90
16:00	31.1	29.9	29.5	29.3	-1.23	-1.65	-1.80	-.43	-.57
17:00	29.2	28.6	28.3	28.2	-.58	-.83	-.95	-.26	-.37
18:00	29.6	29.1	28.8	28.7	-.54	-.81	-.88	-.27	-.34
19:00	27.1	27.8	28.3	28.6	.68	1.21	1.46	.53	.78
20:00	24.6	25.7	26.9	27.3	1.10	2.34	2.67	1.23	1.57
21:00	23.4	24.5	25.2	26.0	1.19	1.85	2.60	.67	1.41
22:00	22.5	23.8	24.3	25.1	1.31	1.78	2.55	.46	1.24
23:00	21.6	22.9	23.3	24.3	1.33	1.74	2.70	.40	1.36
Avg	24.6	24.7	24.9	25.2	.17	.32	.61	.15	.44
Max	32.5	31.3	30.9	30.8	1.33	2.34	2.70	1.23	1.57
Hr. of Max	14	14	14	14	23	20	23	20	20
Min	18.3	19.3	19.6	20.0	-1.58	-2.23	-2.47	-.65	-.90
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/14/2016

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	18.0	18.4	18.9	27.3	85.5	81.8	15.2	15.6	0.013253
01:00	17.8	18.4	18.6	27.1	87.8	85.5	15.1	15.6	0.013094
02:00	17.5	18.4	18.2	26.8	89.8	89.1	14.9	15.7	0.01289
03:00	17.3	18.4	17.9	26.6	90.6	91.2	14.7	15.7	0.012684
04:00	17.1	18.4	17.6	26.4	91.6	93.2	14.5	15.7	0.012515
05:00	16.9	18.4	17.4	26.2	92.2	95.4	14.3	15.7	0.012355
06:00	16.8	18.2	17.3	26.0	92.4	95.6	14.2	15.5	0.012258
07:00	17.0	18.1	17.5	25.8	93.0	94.7	14.5	15.5	0.012454
08:00	18.0	18.1	18.9	25.6	86.6	87.1	15.3	15.4	0.013289
09:00	18.4	17.7	20.2	25.5	73.2	72.3	15.5	14.9	0.013608
10:00	18.0	17.4	20.9	25.4	61.2	61.8	15.1	14.5	0.013342
11:00	17.7	17.4	21.5	25.5	51.6	53.9	14.6	14.4	0.013078
12:00	17.1	17.1	21.6	25.8	46.2	49.5	14.1	14.2	0.012658
13:00	16.8	16.8	21.6	26.3	42.8	45.9	13.8	13.9	0.012398
14:00	16.4	16.5	21.8	26.9	39.2	42.3	13.4	13.6	0.012126
15:00	16.4	16.5	21.7	27.4	39.8	43.9	13.4	13.6	0.012163
16:00	15.4	15.8	20.6	27.7	39.9	43.8	12.6	13.0	0.01139
17:00	17.7	18.0	21.5	28.0	51.5	54.1	14.7	14.9	0.013182
18:00	18.8	19.0	22.4	28.2	54.0	56.3	15.7	15.9	0.014145
19:00	19.3	19.4	21.9	28.2	64.1	61.9	16.2	16.3	0.014508
20:00	19.2	19.8	21.0	28.1	74.0	71.8	16.3	16.8	0.014424
21:00	19.3	20.1	20.7	28.0	80.1	78.3	16.5	17.2	0.01451
22:00	19.3	20.2	20.4	27.8	84.2	82.0	16.5	17.3	0.014502
23:00	19.1	19.9	19.9	27.6	87.6	85.3	16.3	17.1	0.014231
Avg	17.7	18.2	20.0	26.8	70.8	71.5	14.9	15.3	0.013127
Max	19.3	20.2	22.4	28.2	93.0	95.6	16.5	17.3	0.01451
Hr. of Max	22	22	18	19	07	06	22	22	21
Min	15.4	15.8	17.3	25.4	39.2	42.3	12.6	13.0	0.01139
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)

9/14/2016

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	0.013682	20.7	21.3	.00	29.23	989.9	-2.5	.00	338.8
01:00	0.013614	20.4	21.2	.00	29.22	989.7	-2.2	.00	261.0
02:00	0.013646	20.1	21.2	.00	29.22	989.7	-1.5	.00	266.5
03:00	0.013619	19.8	21.2	.00	29.23	990.0	-2.2	.00	263.3
04:00	0.013598	19.5	21.2	.00	29.23	990.0	-2.9	.00	274.9
05:00	0.013624	19.3	21.2	.00	29.24	990.2	-3.0	.00	270.1
06:00	0.013452	19.1	21.0	.00	29.25	990.4	-2.4	.00	267.1
07:00	0.013381	19.5	20.9	.00	29.26	991.0	19.9	.03	26.5
08:00	0.013342	20.7	20.8	.00	29.27	991.3	174.7	.25	50.4
09:00	0.013035	21.2	20.4	.00	29.28	991.5	355.8	.51	152.0
10:00	0.012841	20.8	20.1	.00	29.28	991.4	547.9	.79	97.8
11:00	0.012827	20.4	20.0	.00	29.27	991.2	730.1	1.05	116.7
12:00	0.012666	19.8	19.8	.00	29.25	990.7	798.8	1.15	44.0
13:00	0.012438	19.3	19.4	.00	29.23	989.8	786.0	1.13	97.4
14:00	0.012237	18.9	19.1	.00	29.20	988.7	575.4	.82	63.8
15:00	0.012253	18.9	19.1	.00	29.17	988.0	806.5	1.16	20.7
16:00	0.011661	17.8	18.2	.00	29.16	987.6	547.8	.79	346.2
17:00	0.013368	20.5	20.8	.00	29.16	987.4	163.3	.23	324.2
18:00	0.014294	22.0	22.2	.00	29.16	987.4	159.1	.23	336.1
19:00	0.014585	22.5	22.6	.00	29.16	987.5	14.3	.02	311.1
20:00	0.01495	22.4	23.2	.00	29.16	987.6	-2.4	.00	303.3
21:00	0.015245	22.5	23.6	.00	29.18	988.1	-2.2	.00	299.5
22:00	0.015285	22.5	23.7	.00	29.19	988.4	-2.2	.00	14.9
23:00	0.015041	22.1	23.3	.00	29.20	988.7	-2.2	.00	348.6
Avg	0.013529	20.4	21.1	.00	29.22	989.4	235.6	.34	339.0
Max	0.015285	22.5	23.7	.00	29.28	991.5	806.5	1.16	348.6
Hr. of Max	22	22	22	23	10	09	15	15	23
Min	0.011661	17.8	18.2	.00	29.16	987.4	-3.0	.00	14.9
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/14/2016

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	52.2	12.9	330.0	346.4	45.9	43.4	36.2	.5	.3
01:00	234.2	173.1	261.3	203.6	24.7	42.4	33.7	1.2	1.0
02:00	238.0	232.4	266.7	230.7	19.7	23.3	18.9	.9	1.2
03:00	221.6	219.3	264.3	223.4	51.3	74.4	29.6	.6	.3
04:00	248.8	228.9	272.0	225.1	13.4	43.7	8.7	.7	1.1
05:00	245.6	170.4	271.5	190.1	21.8	23.8	48.1	1.1	.7
06:00	94.3	107.1	265.6	77.3	37.9	34.7	47.4	.3	.2
07:00	54.9	47.6	20.1	29.7	35.6	14.1	12.8	.8	1.5
08:00	61.9	69.2	52.0	54.4	24.5	26.3	13.6	.9	1.5
09:00	184.8	179.4	168.1	210.5	55.4	56.7	60.7	.5	.3
10:00	105.6	112.3	101.2	95.2	32.8	39.8	45.1	1.6	1.3
11:00	106.5	95.6	118.2	82.6	55.3	60.1	60.0	1.8	1.6
12:00	40.5	36.6	42.3	22.6	61.1	48.0	38.2	2.2	3.1
13:00	90.5	84.1	99.2	72.8	21.6	21.5	22.2	5.0	5.1
14:00	63.0	59.8	70.8	46.5	76.8	65.2	56.7	1.3	2.2
15:00	25.9	24.8	19.9	11.9	38.5	26.8	23.7	4.4	7.8
16:00	350.9	346.9	345.7	333.8	26.5	18.8	18.5	5.1	7.3
17:00	332.0	338.7	321.1	325.5	30.1	23.0	20.5	3.0	3.9
18:00	1.0	4.9	332.0	350.6	40.0	21.8	19.3	1.8	3.5
19:00	349.0	3.9	310.1	347.5	18.2	22.1	16.2	1.3	2.4
20:00	5.9	24.4	289.8	355.8	43.7	52.9	40.7	.9	.4
21:00	79.7	56.1	295.2	28.3	27.2	61.9	25.4	.5	.1
22:00	67.9	61.4	15.0	48.6	33.7	12.7	9.8	.5	1.5
23:00	84.2	67.9	343.7	55.9	34.5	15.1	6.9	.5	1.0
Avg	51.0	60.0	332.0	25.0	36.3	36.4	29.7	.0	.0
Max	350.9	346.9	345.7	355.8	76.8	74.4	60.7	5.1	7.8
Hr. of Max	16	16	16	20	14	03	09	16	15
Min	1.0	3.9	15.0	11.9	13.4	12.7	6.9	.3	.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)

9/14/2016

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	1.6	2.2	2.5	1.8	2.7	.9	2.4	.00
01:00	.6	1.3	1.1	.9	1.7	1.2	1.3	-.6	.00
02:00	1.6	1.0	1.3	1.7	1.3	1.9	.8	.5	.02
03:00	1.2	.7	.5	1.4	1.0	1.7	1.4	.0	.01
04:00	2.0	.7	1.3	2.2	1.0	2.4	2.1	.2	.03
05:00	1.1	1.3	.9	1.2	1.5	1.5	.4	-1.4	.01
06:00	.0	.4	.5	.3	.7	.6	1.7	-.7	.03
07:00	2.0	1.0	1.6	2.0	1.2	2.2	1.8	.8	.03
08:00	2.2	1.0	1.6	2.2	1.1	2.5	-5.0	-5.8	-.16
09:00	.4	.8	.6	.7	1.4	1.4	-4.4	-17.1	-.09
10:00	1.1	1.8	1.6	1.6	2.4	2.2	-1.7	-2.7	.01
11:00	1.2	2.5	2.7	3.0	3.3	3.7	5.9	14.6	.31
12:00	3.7	3.7	4.2	4.5	4.3	5.5	-6.5	-7.7	-.65
13:00	5.7	5.3	5.5	6.2	5.9	6.7	-2.5	-3.6	-.28
14:00	2.7	3.3	4.0	4.3	4.2	5.1	-.2	7.8	-.05
15:00	9.0	5.5	8.6	9.9	6.4	10.6	-2.1	3.1	-.65
16:00	8.2	5.9	7.9	8.7	6.6	9.4	-7.5	-3.9	-1.10
17:00	4.8	3.3	4.2	5.1	3.8	5.5	-7.8	-4.1	-.70
18:00	4.7	2.0	3.7	4.9	2.4	5.3	1.1	2.7	-.09
19:00	3.7	1.7	2.7	3.9	1.9	4.1	-1.6	3.7	-.10
20:00	.9	1.1	1.2	1.1	1.3	1.4	.8	-1.1	.01
21:00	.8	.8	.4	.9	1.0	1.3	-.3	1.0	.00
22:00	2.8	.7	1.6	2.8	1.0	3.1	2.2	1.0	.03
23:00	3.0	.7	1.0	3.1	.9	3.3	2.1	1.6	.03
Avg	.0	2.0	2.5	3.1	2.4	3.6	-.7	-.4	-.14
Max	9.0	5.9	8.6	9.9	6.6	10.6	5.9	14.6	.31
Hr. of Max	15	16	15	15	16	15	11	11	11
Min	.0	.4	.4	.3	.7	.6	-7.8	-17.1	-1.10
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)

9/14/2016

Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	36_SonicTemp_015m	37_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	.11	5.0	5.5	5.7	9.8	7.4	23.4	24.4
01:00	-.01	4.8	3.2	2.3	7.6	7.2	22.6	23.9
02:00	.02	2.5	2.7	2.7	6.0	3.5	22.0	23.2
03:00	.02	2.3	2.1	4.1	8.0	5.2	21.6	22.7
04:00	.01	1.8	3.2	3.0	6.6	2.9	21.1	22.3
05:00	-.03	2.5	2.5	3.4	5.1	7.9	20.8	21.8
06:00	-.01	1.6	3.2	3.2	7.3	6.1	20.6	21.4
07:00	.04	2.7	3.2	3.9	8.2	4.0	20.6	21.0
08:00	-.19	3.2	4.1	6.0	20.0	15.6	22.1	21.7
09:00	-.60	3.9	3.4	3.9	33.7	36.7	24.8	24.1
10:00	.06	5.5	6.2	5.7	30.6	34.8	27.1	26.3
11:00	1.02	9.8	8.2	8.9	26.8	28.5	29.2	28.2
12:00	-.81	11.7	12.8	14.4	26.3	26.6	30.3	29.4
13:00	-.34	13.3	13.1	13.5	17.2	15.7	31.2	30.2
14:00	.54	11.2	12.4	12.8	25.3	27.9	32.2	31.3
15:00	.05	16.9	21.1	22.0	23.9	17.3	31.7	30.4
16:00	-.78	14.7	15.6	16.5	18.3	11.6	30.8	29.7
17:00	-.49	8.0	10.3	10.3	20.3	14.2	29.8	29.0
18:00	.19	6.6	9.8	9.2	24.9	11.7	30.4	29.7
19:00	.14	6.0	10.1	11.2	10.1	8.2	29.1	29.5
20:00	-.03	3.2	3.9	2.5	8.9	14.5	27.0	28.3
21:00	.00	1.8	1.8	3.4	8.3	15.9	26.0	27.1
22:00	.04	2.5	3.7	5.0	10.0	9.1	25.3	26.3
23:00	.08	1.8	2.7	8.0	8.6	4.1	24.4	25.4
Avg	-.04	6.0	6.9	7.6	15.5	14.0	26.0	26.1
Max	1.02	16.9	21.1	22.0	33.7	36.7	32.2	31.3
Hr. of Max	11	15	15	15	09	09	14	14
Min	-.81	1.6	1.8	2.3	5.1	2.9	20.6	21.0
Count	24	24	24	24	24	24	24	24
Total								