Date Printed: 09/26/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

9/25/2016

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	20.1	21.9	22.6	23.5	1.78	2.46	3.44	.69	1.66
01:00	19.3	21.2	21.6	22.5	1.88	2.25	3.16	.37	1.28
02:00	18.7	20.6	20.8	21.5	1.88	2.06	2.78	.17	.90
03:00	18.5	19.9	20.3	21.2	1.41	1.84	2.73	.43	1.32
04:00	18.4	19.8	20.1	20.6	1.43	1.75	2.28	.33	.85
05:00	18.0	19.3	19.8	20.5	1.37	1.86	2.57	.49	1.19
06:00	17.3	18.7	19.1	20.0	1.42	1.83	2.74	.41	1.32
07:00	16.9	18.3	18.8	19.5	1.33	1.83	2.52	.49	1.18
08:00	19.0	19.0	19.1	19.6	-.04	.10	.60	.14	.64
09:00	22.6	22.0	21.7	21.5	-.50	-.85	-1.00	-.35	-.50
10:00	25.5	24.7	24.3	24.2	-.80	-1.13	-1.25	-.33	-.45
11:00	28.1	27.0	26.7	26.6	-1.06	-1.40	-1.50	-.34	-.44
12:00	30.1	28.9	28.5	28.4	-1.22	-1.54	-1.63	-.32	-.41
13:00	31.7	30.4	30.0	29.9	-1.27	-1.65	-1.75	-.38	-.48
14:00	32.7	31.4	31.0	31.0	-1.34	-1.67	-1.72	-.33	-.38
15:00	33.4	32.2	31.8	31.7	-1.24	-1.60	-1.68	-.36	-.44
16:00	33.8	32.8	32.4	32.3	-1.05	-1.44	-1.57	-.39	-.52
17:00	33.4	32.6	32.3	32.2	-.78	-1.10	-1.19	-.32	-.41
18:00	31.0	31.5	31.3	31.3	.46	.31	.28	-.16	-.19
19:00	26.8	30.0	30.3	30.5	3.17	3.54	3.72	.37	.55
20:00	25.2	27.2	27.8	28.6	2.01	2.67	3.45	.66	1.44
21:00	23.3	25.4	25.9	26.8	2.11	2.58	3.47	.47	1.36
22:00	22.3	24.5	24.9	25.6	2.19	2.57	3.25	.38	1.06
23:00	21.1	22.9	23.5	24.4	1.82	2.39	3.37	.57	1.55
Avg	24.5	25.1	25.2	25.6	.62	.74	1.13	.11	.50
Max	33.8	32.8	32.4	32.3	3.17	3.54	3.72	.69	1.66
Hr. of Max	16	16	16	16	19	19	19	00	00
Min	16.9	18.3	18.8	19.5	-1.34	-1.67	-1.75	-.39	-.52
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)

9/25/2016

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	16.8	17.3	17.9	25.9	83.2	76.9	14.2	14.6	0.012356
01:00	16.7	17.4	17.6	25.7	86.6	80.8	14.1	14.7	0.012262
02:00	16.6	17.3	17.3	25.5	89.0	83.0	14.0	14.6	0.012147
03:00	16.6	17.3	17.3	25.3	90.6	86.8	14.1	14.7	0.012194
04:00	16.7	17.4	17.3	25.1	92.1	88.2	14.2	14.8	0.012268
05:00	16.5	17.4	17.0	24.9	92.8	90.3	14.0	14.7	0.012078
06:00	15.8	17.3	16.3	24.7	93.1	93.7	13.5	14.7	0.011573
07:00	15.6	17.1	16.0	24.5	93.4	95.0	13.3	14.6	0.011366
08:00	16.9	16.7	17.6	24.3	89.3	88.4	14.3	14.1	0.012377
09:00	17.7	16.8	19.3	24.2	76.0	73.7	14.9	14.1	0.013096
10:00	17.7	17.1	20.3	24.1	63.6	64.1	14.8	14.2	0.013056
11:00	17.1	16.8	20.8	24.2	52.9	55.1	14.2	13.9	0.012669
12:00	16.8	16.4	21.2	24.5	46.3	48.2	13.9	13.5	0.012452
13:00	16.2	15.9	21.4	25.0	40.8	43.0	13.3	13.1	0.012022
14:00	14.7	14.6	20.7	25.5	34.9	37.4	12.1	12.1	0.010919
15:00	13.8	13.6	20.3	26.0	31.6	33.5	11.4	11.3	0.010315
16:00	12.4	12.0	19.5	26.4	28.3	29.2	10.4	10.2	0.009431
17:00	13.4	13.0	20.1	26.6	31.0	31.6	11.1	10.9	0.010085
18:00	16.2	15.6	21.2	26.8	42.6	39.7	13.4	12.8	0.012059
19:00	17.8	16.7	20.8	26.9	59.3	46.3	14.8	13.8	0.013199
20:00	17.8	17.5	20.2	26.9	65.3	57.1	14.9	14.5	0.013196
21:00	17.9	18.0	19.7	26.7	73.2	65.1	15.0	15.0	0.013244
22:00	17.9	18.1	19.3	26.6	77.7	69.2	15.1	15.2	0.013229
23:00	17.6	18.0	18.8	26.4	82.5	75.8	14.9	15.2	0.013027
Avg	16.4	16.5	19.1	25.5	67.3	64.7	13.7	13.8	0.012109
Max	17.9	18.1	21.4	26.9	93.4	95.0	15.1	15.2	0.013244
Hr. of Max	22	22	13	20	07	07	22	23	21
Min	12.4	12.0	16.0	24.1	28.3	29.2	10.4	10.2	0.009431
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)

9/25/2016

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	0.012741	19.2	19.8	.00	29.16	987.4	-1.9	.00	55.3
01:00	0.012861	19.1	20.0	.00	29.16	987.5	-3.1	.00	358.9
02:00	0.012735	18.9	19.8	.00	29.16	987.6	-2.1	.00	44.6
03:00	0.012756	19.0	19.8	.00	29.16	987.5	-1.8	.00	51.1
04:00	0.012848	19.1	20.0	.00	29.16	987.4	-2.4	.00	65.4
05:00	0.012797	18.8	19.9	.00	29.16	987.5	-2.5	.00	48.2
06:00	0.012726	18.0	19.8	.00	29.18	988.1	-2.5	.00	333.5
07:00	0.01258	17.7	19.6	.00	29.19	988.6	12.6	.02	261.9
08:00	0.012209	19.3	19.0	.00	29.20	989.0	163.2	.23	212.1
09:00	0.012312	20.4	19.2	.00	29.20	988.9	371.0	.53	159.5
10:00	0.012554	20.3	19.6	.00	29.20	988.9	563.0	.81	99.2
11:00	0.012393	19.7	19.3	.00	29.19	988.7	704.3	1.01	154.3
12:00	0.012078	19.4	18.8	.00	29.18	988.3	793.0	1.14	196.5
13:00	0.011778	18.7	18.4	.00	29.17	987.7	824.3	1.18	233.3
14:00	0.01086	17.0	16.9	.00	29.14	986.9	804.1	1.15	214.3
15:00	0.010174	16.1	15.9	.00	29.12	986.2	717.2	1.03	235.1
16:00	0.009189	14.7	14.3	.00	29.10	985.6	570.8	.82	248.6
17:00	0.009827	15.7	15.3	.00	29.09	985.2	305.7	.44	262.5
18:00	0.011585	18.7	18.0	.00	29.09	985.2	114.0	.16	303.1
19:00	0.012408	20.5	19.3	.00	29.10	985.5	5.5	.01	325.2
20:00	0.012981	20.5	20.2	.00	29.11	985.8	-2.4	.00	30.1
21:00	0.013357	20.6	20.7	.00	29.12	986.3	-2.4	.00	45.2
22:00	0.013455	20.5	20.9	.00	29.13	986.5	-2.3	.00	58.6
23:00	0.013365	20.2	20.7	.00	29.13	986.4	-1.7	.00	276.8
Avg	0.01219	18.8	19.0	.00	29.15	987.2	246.8	.36	333.0
Max	0.013455	20.6	20.9	.00	29.20	989.0	824.3	1.18	358.9
Hr. of Max	22	21	22	23	10	08	13	13	01
Min	0.009189	14.7	14.3	.00	29.09	985.2	-3.1	.00	30.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/25/2016

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	62.3	55.7	61.0	43.4	18.5	7.4	3.6	1.0	2.2
01:00	79.2	56.7	13.6	44.5	27.1	17.0	4.9	.3	1.1
02:00	58.1	60.3	42.2	48.0	12.1	11.7	6.0	.8	1.4
03:00	58.9	55.8	57.1	44.2	13.6	6.8	4.0	.9	2.1
04:00	56.0	58.3	71.9	46.4	7.2	8.2	4.0	1.1	2.4
05:00	55.7	58.3	54.4	45.6	52.3	12.8	5.7	.9	2.1
06:00	67.5	51.2	347.1	37.1	46.8	10.1	4.9	.1	1.3
07:00	241.8	61.7	261.4	39.7	13.9	46.4	32.3	.9	.1
08:00	245.4	66.7	219.5	12.2	11.0	43.5	18.7	1.0	.8
09:00	155.5	118.2	173.0	112.6	37.1	55.5	26.3	.6	.7
10:00	85.6	71.6	101.8	59.2	39.3	44.1	44.0	1.6	1.6
11:00	182.2	170.6	161.3	165.5	70.3	72.6	55.1	.6	.8
12:00	206.9	212.7	198.2	203.8	49.2	37.6	38.6	2.2	2.8
13:00	250.9	260.4	253.9	252.7	49.1	42.5	37.4	.6	1.1
14:00	223.9	232.4	221.5	227.0	52.1	47.8	38.5	2.1	2.6
15:00	245.2	244.3	242.5	237.1	73.3	73.9	58.8	1.8	1.9
16:00	258.5	256.3	254.5	248.5	47.5	36.2	32.0	3.3	4.5
17:00	267.8	267.0	265.1	258.9	31.1	23.8	20.6	3.2	4.8
18:00	301.8	300.5	302.3	289.3	23.4	21.2	17.8	2.2	3.3
19:00	327.5	326.2	323.1	313.0	12.0	10.3	5.7	2.3	4.3
20:00	37.1	25.2	25.8	11.0	33.2	11.5	11.2	.9	2.4
21:00	74.9	60.9	48.3	49.2	24.9	10.9	5.6	.8	2.4
22:00	61.9	60.6	61.6	49.2	17.7	10.1	4.6	1.4	2.7
23:00	193.1	52.2	261.5	19.0	32.3	43.5	18.4	.8	.1
Avg	97.0	49.0	328.0	24.0	33.1	29.4	20.8	.0	.0
Max	327.5	326.2	347.1	313.0	73.3	73.9	58.8	3.3	4.8
Hr. of Max	19	19	06	19	15	15	15	16	17
Min	37.1	25.2	13.6	11.0	7.2	6.8	3.6	.1	.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)

9/25/2016

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	4.4	1.1	2.2	4.4	1.3	4.6	3.1	.6	.07
01:00	3.7	.7	1.2	3.8	1.1	4.0	2.4	.6	.03
02:00	3.3	.8	1.5	3.3	1.1	3.5	2.8	1.9	.05
03:00	4.1	.9	2.1	4.1	1.1	4.3	3.9	2.4	.08
04:00	4.1	1.1	2.4	4.2	1.3	4.3	3.0	.4	.05
05:00	3.4	1.1	2.2	3.5	1.2	3.7	1.8	.9	.03
06:00	2.9	.2	1.3	3.0	.6	3.2	1.9	1.1	.03
07:00	1.8	1.0	.5	1.9	1.4	2.2	.3	-.5	.00
08:00	.8	1.1	.9	.8	1.5	1.1	-.7	-.5	-.01
09:00	.7	.7	.8	.8	1.3	1.3	7.6	5.6	.28
10:00	1.5	1.9	2.1	2.0	2.5	2.6	-1.4	2.8	-.08
11:00	.9	1.9	1.9	1.9	2.6	2.7	-4.0	-7.8	-.19
12:00	3.0	3.0	3.6	3.8	3.7	4.5	2.2	-3.5	.08
13:00	1.7	3.2	3.8	4.0	3.9	4.8	-2.7	-4.0	-.30
14:00	3.2	3.4	3.8	4.1	4.0	5.0	-1.9	-7.8	-.18
15:00	2.6	3.8	4.0	4.3	4.3	4.9	-1.7	-1.2	-.34
16:00	5.3	4.2	5.3	5.9	4.8	6.4	-.8	-2.5	-.31
17:00	5.4	3.8	5.2	5.8	4.2	6.3	.7	.7	-.10
18:00	4.1	2.6	3.7	4.6	2.8	4.7	.0	-1.4	-.11
19:00	6.3	2.3	4.4	6.3	2.5	6.6	-1.5	-1.1	-.07
20:00	3.9	1.1	3.1	4.6	1.3	4.9	3.2	2.4	.05
21:00	4.5	.9	2.5	4.6	1.1	4.8	2.0	.0	.03
22:00	4.9	1.5	2.8	4.9	1.6	5.1	1.2	-.6	.02
23:00	1.7	1.0	1.0	1.8	1.3	2.0	1.2	.9	.01
Avg	.0	1.8	2.6	3.7	2.2	4.1	.9	-.4	-.04
Max	6.3	4.2	5.3	6.3	4.8	6.6	7.6	5.6	.28
Hr. of Max	19	16	16	19	16	19	09	09	09
Min	.7	.2	.5	.8	.6	1.1	-4.0	-7.8	-.34
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

9/25/2016

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	.05	2.5	4.4	8.9	7.5	1.8	23.0	24.5
01:00	.05	2.5	3.7	11.2	9.0	3.3	22.4	23.5
02:00	.11	2.1	3.2	7.6	7.1	2.5	21.8	22.6
03:00	.17	2.3	5.7	8.9	9.0	2.6	21.1	22.3
04:00	.02	3.2	4.6	9.6	8.8	2.5	21.0	21.6
05:00	.05	2.5	3.9	6.2	7.8	2.6	20.5	21.6
06:00	.07	1.1	2.7	4.4	6.0	2.5	19.9	21.0
07:00	.00	3.4	2.5	7.1	4.8	6.1	19.5	20.5
08:00	.00	6.0	3.4	2.7	12.9	7.5	20.1	20.7
09:00	.20	3.0	2.7	3.2	29.3	31.5	23.3	22.7
10:00	.15	6.2	6.4	6.9	27.2	34.1	26.0	25.3
11:00	-.43	6.2	7.6	6.6	30.2	36.9	28.1	27.3
12:00	-.50	8.9	8.9	10.1	27.1	29.7	29.6	28.9
13:00	-.53	12.8	12.6	9.8	25.9	31.1	31.2	30.3
14:00	-.58	9.4	9.6	12.1	24.4	25.9	31.9	31.1
15:00	-.25	11.2	10.5	11.4	25.9	28.4	32.7	31.8
16:00	-.41	14.0	13.7	13.3	21.9	18.9	33.2	32.1
17:00	-.10	9.8	10.3	21.5	21.0	16.6	33.1	32.3
18:00	-.25	8.5	12.6	12.1	17.2	12.1	32.3	31.7
19:00	-.13	6.4	9.8	8.7	8.1	4.3	30.7	31.1
20:00	.22	3.7	7.6	11.2	12.4	5.2	28.2	29.3
21:00	-.01	2.7	6.0	8.0	9.7	3.5	26.6	27.6
22:00	-.06	3.2	7.1	11.7	7.2	2.6	25.7	26.5
23:00	.05	3.2	3.2	8.5	5.9	5.0	24.1	25.4
Avg	-.09	5.6	6.8	9.2	15.3	13.2	26.1	26.3
Max	.22	14.0	13.7	21.5	30.2	36.9	33.2	32.3
Hr. of Max	20	16	16	17	11	11	16	17
Min	-.58	1.1	2.5	2.7	4.8	1.8	19.5	20.5
Count	24	24	24	24	24	24	24	24
Total								