Date Printed: 11/01/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

10/31/2016

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	13.3	15.5	16.7	18.4	2.14	3.40	5.04	1.26	2.90
01:00	12.6	14.7	15.4	16.9	2.08	2.76	4.26	.68	2.18
02:00	11.8	13.6	14.5	16.2	1.77	2.67	4.35	.89	2.57
03:00	11.4	13.3	14.1	15.9	1.92	2.69	4.49	.77	2.56
04:00	10.9	12.8	13.2	14.5	1.87	2.35	3.63	.48	1.76
05:00	10.8	12.3	12.8	14.2	1.55	2.02	3.44	.47	1.89
06:00	10.7	12.2	12.7	13.7	1.49	2.00	3.00	.51	1.51
07:00	10.3	11.9	12.4	13.4	1.61	2.11	3.09	.50	1.47
08:00	10.7	11.7	12.2	12.9	1.03	1.47	2.23	.44	1.20
09:00	14.1	13.9	13.8	14.3	-.25	-.28	.20	-.03	.45
10:00	17.4	17.0	16.9	17.0	-.38	-.54	-.40	-.16	-.01
11:00	21.8	21.0	20.7	20.6	-.83	-1.10	-1.20	-.27	-.37
12:00	24.9	23.8	23.5	23.4	-1.04	-1.33	-1.43	-.29	-.39
13:00	27.0	25.9	25.5	25.4	-1.10	-1.47	-1.62	-.36	-.52
14:00	27.0	26.3	26.0	25.8	-.72	-1.03	-1.16	-.31	-.44
15:00	27.2	26.7	26.4	26.3	-.52	-.82	-.91	-.30	-.39
16:00	27.5	27.1	26.8	26.7	-.44	-.72	-.81	-.28	-.37
17:00	26.5	26.6	26.7	26.7	.14	.20	.19	.06	.06
18:00	23.8	25.0	25.4	25.9	1.20	1.62	2.09	.42	.89
19:00	21.9	23.7	23.9	24.5	1.77	2.03	2.60	.26	.83
20:00	20.0	22.0	22.3	23.5	1.98	2.31	3.49	.34	1.51
21:00	18.2	20.3	20.8	22.0	2.05	2.57	3.84	.52	1.78
22:00	17.1	19.0	19.7	20.7	1.90	2.58	3.58	.68	1.68
23:00	16.1	18.0	18.6	19.9	1.95	2.54	3.85	.58	1.90
Avg	18.0	18.9	19.2	20.0	.88	1.17	1.91	.29	1.03
Max	27.5	27.1	26.8	26.7	2.14	3.40	5.04	1.26	2.90
Hr. of Max	16	16	16	17	00	00	00	00	00
Min	10.3	11.7	12.2	12.9	-1.10	-1.47	-1.62	-.36	-.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)

10/31/2016

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	9.2	9.9	10.6	19.1	77.2	70.6	8.8	9.2	0.007436
01:00	9.1	10.0	10.3	18.9	80.3	74.5	8.8	9.3	0.007378
02:00	8.9	9.9	9.9	18.8	83.4	79.2	8.7	9.2	0.007299
03:00	8.8	9.9	9.7	18.6	85.2	81.1	8.7	9.3	0.007241
04:00	8.7	9.9	9.4	18.5	87.2	83.7	8.6	9.3	0.007167
05:00	8.9	9.9	9.5	18.3	89.2	86.2	8.7	9.3	0.007265
06:00	8.8	10.0	9.5	18.1	89.6	87.5	8.7	9.3	0.007246
07:00	8.7	10.1	9.2	18.0	90.6	89.7	8.6	9.4	0.007148
08:00	8.9	9.9	9.5	17.8	89.8	89.8	8.7	9.3	0.007277
09:00	10.3	9.5	11.5	17.7	78.8	76.4	9.5	9.0	0.007983
10:00	10.9	10.4	13.1	17.6	67.2	66.3	9.8	9.5	0.008369
11:00	10.5	10.1	14.3	17.6	49.7	50.6	9.4	9.2	0.008169
12:00	11.0	10.5	15.6	17.8	42.7	44.0	9.7	9.4	0.008456
13:00	11.6	11.3	16.7	18.0	39.3	41.2	10.0	9.9	0.008837
14:00	12.2	12.1	17.1	18.3	40.8	42.4	10.4	10.4	0.009196
15:00	12.2	12.1	17.2	18.7	40.3	41.2	10.4	10.3	0.00921
16:00	12.0	11.8	17.2	19.0	39.3	39.8	10.3	10.2	0.009124
17:00	12.7	12.4	17.3	19.3	43.6	42.4	10.8	10.6	0.009517
18:00	13.6	13.4	17.0	19.5	54.0	49.8	11.4	11.3	0.010039
19:00	13.5	13.6	16.3	19.6	60.0	54.3	11.4	11.4	0.009949
20:00	13.3	13.7	15.5	19.7	66.3	60.6	11.3	11.6	0.009802
21:00	12.9	13.7	14.7	19.7	72.6	67.1	11.1	11.6	0.009571
22:00	12.8	13.5	14.2	19.6	76.8	71.7	11.0	11.5	0.009456
23:00	12.5	13.4	13.7	19.5	80.8	75.5	10.9	11.5	0.009308
Avg	10.9	11.3	13.3	18.7	67.7	65.2	9.8	10.0	0.008435
Max	13.6	13.7	17.3	19.7	90.6	89.8	11.4	11.6	0.010039
Hr. of Max	18	21	17	21	07	08	19	21	18
Min	8.7	9.5	9.2	17.6	39.3	39.8	8.6	9.0	0.007148
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/31/2016

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	0.007812	11.7	12.3	.00	29.19	988.4	-1.9	.00	99.9
01:00	0.007838	11.6	12.3	.00	29.19	988.5	-2.1	.00	93.5
02:00	0.007791	11.5	12.2	.00	29.18	988.3	-2.7	.00	180.9
03:00	0.007814	11.4	12.3	.00	29.18	988.2	-2.0	.00	101.0
04:00	0.007781	11.3	12.2	.00	29.18	988.1	-2.7	.00	107.5
05:00	0.007784	11.4	12.2	.00	29.18	988.3	-2.3	.00	93.1
06:00	0.007815	11.4	12.3	.00	29.19	988.6	-1.8	.00	87.1
07:00	0.007874	11.2	12.4	.00	29.20	988.9	-1.3	.00	76.4
08:00	0.007787	11.4	12.2	.00	29.21	989.3	66.6	.10	115.6
09:00	0.007605	12.5	12.0	.00	29.23	989.9	224.7	.32	118.8
10:00	0.008063	13.1	12.7	.00	29.24	990.3	322.0	.46	138.8
11:00	0.007914	12.8	12.4	.00	29.24	990.1	523.8	.75	193.4
12:00	0.008194	13.3	12.9	.00	29.22	989.7	602.6	.86	180.0
13:00	0.008673	13.8	13.6	.00	29.19	988.6	655.7	.94	189.0
14:00	0.009158	14.4	14.3	.00	29.17	987.7	305.8	.44	211.1
15:00	0.009123	14.4	14.3	.00	29.15	987.1	260.7	.37	229.0
16:00	0.009	14.3	14.1	.00	29.14	986.8	230.5	.33	240.2
17:00	0.009354	14.9	14.6	.00	29.14	986.8	99.1	.14	125.2
18:00	0.00995	15.7	15.5	.00	29.14	987.0	13.8	.02	97.1
19:00	0.010039	15.5	15.7	.00	29.15	987.3	-2.2	.00	68.6
20:00	0.010115	15.3	15.8	.00	29.16	987.4	-1.1	.00	85.6
21:00	0.010056	15.0	15.7	.00	29.16	987.6	-1.8	.00	92.3
22:00	0.009953	14.8	15.6	.00	29.17	987.8	-2.9	.00	86.1
23:00	0.009847	14.6	15.4	.00	29.17	988.0	-2.5	.00	90.5
Avg	0.008639	13.2	13.5	.00	29.18	988.3	136.6	.20	121.0
Max	0.010115	15.7	15.8	.00	29.24	990.3	655.7	.94	240.2
Hr. of Max	20	18	20	23	11	10	13	13	16
Min	0.007605	11.2	12.0	.00	29.14	986.8	-2.9	.00	68.6
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/31/2016

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	5.0	196.6	134.8	201.7	32.3	17.3	48.4	.0	.2
01:00	317.0	216.8	228.7	223.3	51.9	30.4	39.2	.0	.1
02:00	212.1	244.1	230.7	239.2	18.4	21.4	9.7	1.1	.3
03:00	231.8	229.8	80.9	223.9	16.3	46.0	15.9	.2	.2
04:00	70.8	240.8	255.2	234.3	23.9	.2	15.1	.0	.3
05:00	76.3	256.6	350.0	251.2	37.7	48.7	36.1	.7	.5
06:00	57.7	50.7	44.2	40.0	30.6	11.2	10.6	.7	2.1
07:00	68.1	60.2	276.5	50.6	23.1	16.4	8.4	.1	1.1
08:00	31.4	120.1	203.4	83.5	12.5	.1	28.6	.0	.2
09:00	101.4	70.2	137.9	33.9	14.7	28.5	34.1	.6	.4
10:00	209.8	205.8	170.6	215.3	30.1	42.6	59.5	.6	.6
11:00	210.6	211.9	198.1 +	207.7	36.3	30.9	26.0	2.2	2.6
12:00	197.9	198.7	186.0	192.8	39.9	39.2	36.4	2.6	2.6
13:00	213.2	212.7	199.4	206.7	48.0	51.4	51.9	2.7	3.4
14:00	222.5	220.0	213.5	216.0	28.7	23.4	21.5	4.1	5.1
15:00	236.5	230.6	230.2	226.3	29.5	20.7	18.4	3.6	4.8
16:00	249.1	242.6	242.7	238.5	36.7	24.6	23.9	2.0	2.5
17:00	255.8	238.0	249.8	239.4	47.5	42.9	42.1	.4	.6
18:00	150.5	86.6	277.5	82.7	45.0	79.4	32.4	.0	.2
19:00	64.4	66.1	38.0	57.3	10.8	8.7	8.0	.5	1.5
20:00	62.7	58.2	63.1	49.2	8.1	9.5	6.7	.3	.8
21:00	65.0	39.1	97.8	26.5	6.0	4.1	7.2	.1	.8
22:00	57.7	76.1	68.5	67.1	17.4	11.5	13.0	.2	1.3
23:00	60.8	51.0	81.0	40.5	12.7	22.6	5.8	.4	1.0
Avg	117.0	187.0	191.0	200.0	27.4	26.3	25.0	.0	.0
Max	317.0	256.6	350.0	251.2	51.9	79.4	59.5	4.1	5.1
Hr. of Max	01	05	05	05	01	18	10	14	14
Min	5.0	39.1	38.0	26.5	6.0	.1	5.8	.0	.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/31/2016

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	1.0	.3	.7	1.2	.7	1.5	2.6	-.3	.03
01:00	1.0	.1	.2	1.0	.6	1.3	2.3	-.3	.03
02:00	3.1	1.1	.3	3.2	1.6	3.5	1.3	1.4	.02
03:00	1.5	.2	.4	1.6	.6	1.8	1.9	-.2	.03
04:00	1.2	.1	.3	1.3	.4	1.5	2.2	.4	.03
05:00	1.4	.9	1.3	2.2	1.3	2.4	.5	3.4	.01
06:00	2.9	.7	2.2	3.0	1.1	3.2	.4	.2	.02
07:00	2.4	.1	1.2	2.5	.6	2.7	.4	.0	.00
08:00	.4	.0	.2	.5	.7	.7	3.3	.1	.04
09:00	.2	.6	.6	.7	1.2	.9	1.1	.5	.08
10:00	.6	.7	.8	.8	1.3	1.2	-6.1	-7.1	-.18
11:00	3.0	2.8	3.0	3.3	3.2	3.8	.2	-4.5	-.06
12:00	2.6	3.3	3.2	3.1	3.9	3.8	-1.0	3.6	.00
13:00	4.0	4.2	5.0	5.5	4.8	6.1	.2	-3.9	-.07
14:00	6.0	4.7	5.6	6.4	5.1	6.9	1.2	-.5	-.07
15:00	5.3	4.1	5.1	5.5	4.6	6.0	1.4	-.4	-.05
16:00	2.8	2.4	2.9	3.3	2.8	3.8	1.6	-1.5	-.10
17:00	.7	.5	.7	.9	1.1	1.2	.0	-6.0	-.05
18:00	.4	.2	.3	.5	.6	.8	1.6	.3	.02
19:00	1.9	.5	1.5	1.9	.9	2.1	4.9	-.6	.07
20:00	1.7	.3	.9	1.7	.6	1.9	3.2	-.2	.04
21:00	1.2	.1	.8	1.2	.4	1.5	3.4	.4	.04
22:00	1.7	.2	1.4	1.8	.6	2.0	2.4	-1.1	.03
23:00	2.0	.4	1.1	2.0	.7	2.3	2.4	.3	.04
Avg	.0	1.2	1.7	2.3	1.6	2.6	1.3	-.7	.00
Max	6.0	4.7	5.6	6.4	5.1	6.9	4.9	3.6	.08
Hr. of Max	14	14	14	14	14	14	19	12	09
Min	.2	.0	.2	.5	.4	.7	-6.1	-7.1	-.18
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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10/31/2016

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	.01	2.5	5.0	6.6	7.6	10.6	16.0	18.8
01:00	.00	1.6	1.4	2.7	9.5	16.4	15.3	17.3
02:00	.09	3.0	1.6	4.8	6.5	3.5	14.3	16.7
03:00	.00	2.7	2.1	7.8	8.8	5.8	13.9	16.4
04:00	.02	1.4	3.0	2.7	6.1	5.8	13.4	15.1
05:00	.13	2.5	4.1	5.3	7.2	5.9	12.9	14.7
06:00	-.01	3.4	8.0	8.7	7.0	3.2	12.8	14.2
07:00	.01	3.2	5.7	8.2	7.7	2.6	12.6	14.0
08:00	.00	1.1	1.4	4.1	7.3	4.2	12.4	13.5
09:00	.02	2.3	2.1	2.7	24.8	12.9	14.7	14.9
10:00	-.15	3.7	3.4	4.4	29.7	24.5	17.8	17.5
11:00	-.36	7.1	7.3	7.8	24.2	23.6	21.5	20.7
12:00	.20	8.5	8.0	7.8	21.8	28.9	24.2	23.5
13:00	-.43	14.2	14.9	13.5	24.0	21.7	26.3	25.4
14:00	-.25	11.2	11.4	12.4	18.2	16.3	26.8	26.0
15:00	-.26	8.9	12.8	10.3	16.6	16.3	27.2	26.5
16:00	-.27	7.8	10.1	10.5	21.9	22.6	27.6	26.9
17:00	-.25	3.9	7.1	9.8	20.3	22.7	27.3	26.9
18:00	.02	1.4	1.6	1.8	10.9	14.5	25.7	26.2
19:00	-.02	1.8	2.3	3.4	10.8	6.6	24.4	25.0
20:00	-.01	1.6	2.1	5.7	7.6	6.7	22.8	24.2
21:00	.01	.9	1.6	2.3	7.0	5.7	21.1	22.7
22:00	-.03	1.1	2.5	4.1	6.4	3.4	19.8	21.4
23:00	.02	2.1	3.2	3.9	7.5	3.6	18.9	20.6
Avg	-.06	4.1	5.1	6.3	13.3	12.0	19.6	20.4
Max	.20	14.2	14.9	13.5	29.7	28.9	27.6	26.9
Hr. of Max	12	13	13	13	10	12	16	17
Min	-.43	.9	1.4	1.8	6.1	2.6	12.4	13.5
Count	24	24	24	24	24	24	24	24
Total								