Date Printed: 10/16/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

10/15/2016

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	16.9	18.4	19.1	20.2	1.49	2.21	3.27	.72	1.78
01:00	15.7	17.2	17.8	19.5	1.45	2.10	3.77	.64	2.32
02:00	15.4	16.4	16.9	18.0	1.04	1.53	2.69	.50	1.65
03:00	14.9	16.0	16.2	16.8	1.07	1.31	1.93	.24	.86
04:00	13.8	15.3	15.5	16.1	1.44	1.69	2.25	.25	.82
05:00	13.2	14.7	15.0	16.0	1.41	1.79	2.73	.37	1.32
06:00	12.8	14.3	14.7	16.5	1.47	1.83	3.72	.36	2.25
07:00	12.5	13.8	14.1	15.0	1.35	1.66	2.53	.31	1.18
08:00	13.5	14.0	14.4	16.0	.53	.85	2.46	.32	1.93
09:00	16.9	16.6	16.6	17.5	-.33	-.33	.56	.00	.89
10:00	20.5	19.7	19.4	19.3	-.86	-1.15	-1.23	-.29	-.37
11:00	23.2	22.0	21.7	21.6	-1.17	-1.55	-1.65	-.39	-.48
12:00	25.0	23.8	23.4	23.3	-1.22	-1.60	-1.74	-.38	-.52
13:00	26.2	24.9	24.5	24.4	-1.32	-1.68	-1.84	-.36	-.52
14:00	27.0	25.7	25.3	25.2	-1.28	-1.69	-1.84	-.41	-.55
15:00	27.5	26.3	25.9	25.8	-1.19	-1.59	-1.75	-.39	-.56
16:00	27.7	26.7	26.3	26.2	-.99	-1.34	-1.48	-.36	-.50
17:00	27.1	26.6	26.3	26.2	-.53	-.81	-.95	-.28	-.42
18:00	24.6	25.6	25.6	25.6	1.02	.99	1.01	-.04	-.02
19:00	20.2	22.6	23.7	24.1	2.34	3.44	3.87	1.09	1.53
20:00	18.1	21.0	21.9	22.6	2.92	3.80	4.53	.88	1.61
21:00	17.7	20.7	21.3	21.7	2.92	3.58	4.00	.66	1.08
22:00	16.4	19.3	20.3	20.8	2.90	3.90	4.41	1.00	1.51
23:00	16.1	18.2	19.8	20.2	2.08	3.69	4.07	1.61	1.99
Avg	19.3	20.0	20.2	20.8	.69	.94	1.47	.25	.78
Max	27.7	26.7	26.3	26.2	2.92	3.90	4.53	1.61	2.32
Hr. of Max	16	16	17	17	21	22	20	23	01
Min	12.5	13.8	14.1	15.0	-1.32	-1.69	-1.84	-.41	-.56
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/15/2016

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	12.5	12.6	14.0	20.8	76.6	70.4	10.9	10.9	0.009264
01:00	12.3	12.8	13.4	20.7	81.3	76.7	10.8	11.1	0.009117
02:00	12.3	12.6	13.3	20.6	83.3	79.7	10.8	11.0	0.009123
03:00	12.2	12.7	13.1	20.4	85.2	82.3	10.7	11.1	0.00906
04:00	11.8	12.8	12.5	20.3	89.0	86.6	10.5	11.1	0.008818
05:00	11.5	12.7	12.1	20.1	90.6	89.6	10.3	11.1	0.008652
06:00	11.3	12.7	11.8	20.0	91.6	91.5	10.2	11.1	0.0085
07:00	11.0	12.6	11.5	19.8	92.3	93.6	10.0	11.0	0.008358
08:00	11.5	12.2	12.2	19.7	89.2	89.9	10.3	10.7	0.008648
09:00	12.9	12.2	14.3	19.6	79.0	76.8	11.2	10.7	0.009508
10:00	13.5	13.2	15.8	19.5	65.4	67.5	11.5	11.3	0.009882
11:00	13.6	13.3	16.8	19.6	55.8	58.8	11.4	11.3	0.009946
12:00	13.1	12.9	17.1	19.7	48.6	51.6	11.1	11.0	0.009685
13:00	12.8	12.7	17.3	20.0	44.5	47.7	10.8	10.8	0.009511
14:00	12.0	12.1	17.0	20.5	40.4	43.7	10.3	10.3	0.009054
15:00	11.2	11.1	16.6	20.9	37.1	39.5	9.7	9.7	0.008578
16:00	10.8	10.7	16.4	21.3	35.9	37.8	9.5	9.4	0.008382
17:00	11.0	10.9	16.3	21.6	37.4	38.3	9.6	9.5	0.008457
18:00	11.7	11.0	16.0	21.8	45.7	41.0	10.1	9.7	0.008836
19:00	12.0	11.6	14.7	21.9	60.2	51.1	10.4	10.1	0.008973
20:00	11.7	11.7	13.8	21.8	67.4	56.4	10.3	10.2	0.008796
21:00	11.8	12.2	13.8	21.7	69.4	59.6	10.4	10.6	0.008863
22:00	12.0	12.7	13.5	21.6	76.6	67.1	10.5	11.0	0.00896
23:00	12.3	12.9	13.6	21.4	79.4	72.6	10.8	11.1	0.009152
Avg	12.0	12.3	14.5	20.6	67.6	65.4	10.5	10.7	0.009005
Max	13.6	13.3	17.3	21.9	92.3	93.6	11.5	11.3	0.009946
Hr. of Max	11	11	13	19	07	07	10	11	11
Min	10.8	10.7	11.5	19.5	35.9	37.8	9.5	9.4	0.008358
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)

10/15/2016

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	0.009343	14.6	14.7	.00	29.31	992.7	-2.7	.00	70.4
01:00	0.009424	14.3	14.8	.00	29.32	992.8	-2.5	.00	69.8
02:00	0.009323	14.4	14.7	.00	29.32	992.9	-2.8	.00	72.1
03:00	0.009375	14.3	14.7	.00	29.32	993.1	-2.4	.00	30.0
04:00	0.009416	13.9	14.8	.00	29.32	993.1	-2.6	.00	301.4
05:00	0.009379	13.6	14.8	.00	29.34	993.5	-2.6	.00	20.4
06:00	0.009338	13.4	14.7	.00	29.36	994.2	-2.4	.00	303.6
07:00	0.009256	13.2	14.6	.00	29.37	994.7	1.0	.00	268.6
08:00	0.009013	13.6	14.2	.00	29.38	995.1	92.0	.13	74.5
09:00	0.009053	15.0	14.3	.00	29.39	995.2	282.3	.40	130.8
10:00	0.009668	15.6	15.2	.00	29.39	995.2	484.7	.69	189.5
11:00	0.009753	15.7	15.4	.00	29.38	994.9	631.3	.90	223.6
12:00	0.009549	15.2	15.0	.00	29.36	994.3	691.2	.99	220.4
13:00	0.009441	15.0	14.9	.00	29.33	993.3	734.7	1.05	214.9
14:00	0.009058	14.2	14.2	.00	29.30	992.3	685.8	.98	219.8
15:00	0.008528	13.5	13.4	.00	29.28	991.4	607.2	.87	210.0
16:00	0.008318	13.2	13.1	.00	29.26	990.9	456.0	.65	215.0
17:00	0.008394	13.3	13.2	.00	29.25	990.6	253.8	.36	221.4
18:00	0.008479	13.9	13.3	.00	29.24	990.4	46.2	.07	232.4
19:00	0.008797	14.1	13.8	.00	29.25	990.5	-2.1	.00	297.9
20:00	0.008838	13.8	13.9	.00	29.27	991.3	-2.7	.00	303.9
21:00	0.009125	13.9	14.3	.00	29.28	991.5	-2.6	.00	224.8
22:00	0.009423	14.1	14.8	.00	29.28	991.7	-2.6	.00	238.3
23:00	0.009536	14.4	15.0	.00	29.29	992.0	-2.8	.00	231.7
Avg	0.009159	14.2	14.4	.00	29.32	992.8	205.6	.30	235.0
Max	0.009753	15.7	15.4	.00	29.39	995.2	734.7	1.05	303.9
Hr. of Max	11	11	11	23	10	10	13	13	20
Min	0.008318	13.2	13.1	.00	29.24	990.4	-2.8	.00	20.4
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/15/2016

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	42.7	99.5	79.5	49.9	32.7	47.4	38.1	.6	1.0
01:00	65.0	47.1	75.7	29.8	16.4	13.9	20.8	.9	1.7
02:00	65.6	56.4	74.9	40.2	21.0	9.7	16.0	.9	2.5
03:00	64.0	61.1	63.9	47.3	32.1	13.3	9.2	.4	1.8
04:00	91.1	53.7	296.1	28.8	17.2	24.8	14.2	.3	.2
05:00	59.3	42.6	37.1	22.1	9.1	8.7	9.9	.2	1.1
06:00	51.9	234.8	292.4	247.9	22.2	16.8	51.6	.2	.4
07:00	63.0	66.1	.9	46.5	45.2	11.4	43.3	.1	.6
08:00	61.0	33.3	78.3	.5	12.0	6.9	10.6	.2	1.3
09:00	95.9	230.9	140.9	234.4	23.2	30.0	31.9	.6	.3
10:00	207.4	212.9	196.6	206.8	21.9	22.8	23.0	3.8	3.9
11:00	230.8	227.1	230.3	221.0	28.6	21.7	18.4	4.9	6.4
12:00	227.2	224.2	226.2	217.3	31.8	26.0	20.5	6.3	8.4
13:00	227.3	225.9	222.1	219.0	31.0	23.8	18.2	6.6	8.6
14:00	225.6	222.4	226.6	215.8	28.8	21.5	17.7	6.9	9.4
15:00	216.3	214.2	216.6	207.3	35.1	27.6	24.3	5.1	7.3
16:00	223.3	220.8	221.2	214.1	33.9	27.8	23.1	4.8	6.3
17:00	225.1	222.2	225.5	215.8	29.6	22.4	17.6	4.4	6.3
18:00	226.1	219.4	236.3	213.7	21.2	15.3	10.9	2.0	3.6
19:00	230.1	206.0	296.6	200.8	20.6	10.7	7.8	.7	1.9
20:00	216.1	206.3	302.9	201.1	26.9	42.6	7.8	.8	1.7
21:00	235.9	219.4	229.7	213.5	24.5	7.5	5.4	1.9	4.9
22:00	233.0	218.8	249.6	213.1	48.4	15.2	8.3	.3	2.1
23:00	264.8	237.9	222.0	231.4	51.4	9.9	6.2	.4	3.0
Avg	194.0	207.0	235.0	220.0	27.7	19.9	19.0	.0	.0
Max	264.8	237.9	302.9	247.9	51.4	47.4	51.6	6.9	9.4
Hr. of Max	23	23	20	06	23	00	06	14	14
Min	42.7	33.3	.9	.5	9.1	6.9	5.4	.1	.2
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)

10/15/2016

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	.3	.7	1.3	.9	1.1	1.3	5.2	1.3	.10
01:00	1.5	1.0	1.7	1.9	1.2	2.2	2.3	.9	.04
02:00	1.8	1.0	2.5	1.9	1.3	2.2	1.3	1.9	.02
03:00	2.4	.5	2.0	2.4	.7	2.6	1.5	2.1	.02
04:00	.7	.3	.2	.7	.6	1.1	.0	.1	.00
05:00	1.2	.2	1.1	1.3	.4	1.5	2.7	.1	.04
06:00	.5	.3	.4	1.3	.8	1.6	3.4	-1.4	.04
07:00	1.0	.1	.7	1.1	.4	1.4	1.1	-.1	.02
08:00	.8	.2	1.3	.8	.6	1.1	2.5	2.4	.04
09:00	1.5	.8	1.0	1.7	1.3	1.9	1.4	-2.1	.03
10:00	4.2	4.1	4.3	4.5	4.7	5.0	.1	-1.3	-.08
11:00	7.3	5.5	6.9	7.7	6.1	8.4	-.7	-4.8	-.31
12:00	9.9	7.1	9.1	10.4	7.9	11.2	.1	1.1	-.25
13:00	10.1	7.4	9.3	10.6	8.3	11.3	-.2	-.4	-.27
14:00	11.0	7.8	10.1	11.5	8.6	12.2	-1.2	-2.1	-.40
15:00	9.0	6.3	8.3	10.0	7.0	10.6	.4	-1.3	-.17
16:00	7.3	5.8	7.2	8.0	6.4	8.5	.1	-.6	-.22
17:00	7.8	5.1	6.8	8.1	5.7	8.7	1.4	-1.0	-.13
18:00	5.1	2.2	3.7	5.2	2.6	5.6	1.4	-.9	.04
19:00	3.8	.8	2.0	3.8	1.1	4.0	1.2	-.5	.02
20:00	4.7	1.1	2.2	4.8	1.4	5.0	2.6	-.5	.01
21:00	7.2	2.1	5.0	7.3	2.5	7.7	1.0	-.4	-.02
22:00	4.6	.4	2.2	4.6	.7	4.9	2.4	.1	.05
23:00	4.6	.7	3.1	4.6	1.2	4.9	3.5	.7	.06
Avg	.0	2.6	3.9	4.8	3.0	5.2	1.4	-.3	-.06
Max	11.0	7.8	10.1	11.5	8.6	12.2	5.2	2.4	.10
Hr. of Max	14	14	14	14	14	14	00	08	00
Min	.3	.1	.2	.7	.4	1.1	-1.2	-4.8	-.40
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/15/2016

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	.04	2.3	3.0	3.4	15.2	21.0	19.2	20.7
01:00	.07	2.7	2.7	3.9	10.5	10.8	18.0	20.1
02:00	.08	2.5	4.1	4.1	7.2	5.8	17.2	18.6
03:00	.10	2.3	6.4	5.0	10.6	5.8	16.8	17.4
04:00	.01	1.4	3.4	3.9	5.6	4.6	16.1	16.7
05:00	.01	1.8	1.8	2.5	9.2	8.0	15.5	16.7
06:00	-.04	1.6	2.3	4.6	7.8	13.4	15.1	17.4
07:00	.00	2.1	1.8	2.5	6.3	9.9	14.6	15.7
08:00	.07	1.8	3.4	3.2	12.4	8.0	14.9	17.0
09:00	-.08	4.1	5.3	5.5	21.7	8.2	17.5	17.9
10:00	-.19	8.7	9.6	10.1	17.1	17.5	20.4	19.6
11:00	-.75	18.8	20.2	18.8	19.4	15.0	22.7	21.8
12:00	-.11	16.0	20.4	22.2	17.8	14.4	24.4	23.4
13:00	-.23	18.1	20.2	20.4	19.1	13.1	25.4	24.4
14:00	-.62	23.4	23.8	22.9	16.2	12.6	26.1	25.1
15:00	-.28	17.2	22.0	23.1	18.6	14.6	26.7	25.7
16:00	-.25	16.0	24.3	21.8	17.6	14.6	27.1	26.2
17:00	-.30	12.6	14.9	15.6	18.4	12.3	27.0	26.2
18:00	-.13	8.2	15.1	15.6	13.1	6.9	26.1	25.8
19:00	-.04	2.5	6.9	8.7	9.0	4.3	23.1	24.4
20:00	-.07	6.6	9.8	12.1	9.5	4.7	21.7	23.0
21:00	-.08	9.2	13.3	16.3	7.7	3.9	21.4	22.2
22:00	-.01	2.3	6.6	8.5	12.2	5.2	20.0	21.3
23:00	.06	2.5	5.5	6.9	7.6	4.5	19.0	20.8
Avg	-.11	7.7	10.3	10.9	12.9	10.0	20.7	21.2
Max	.10	23.4	24.3	23.1	21.7	21.0	27.1	26.2
Hr. of Max	03	14	16	15	09	00	16	17
Min	-.75	1.4	1.8	2.5	5.6	3.9	14.6	15.7
Count	24	24	24	24	24	24	24	24
Total								