Date Printed: 10/22/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

10/21/2016

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	18.2	18.2	18.5	18.6	.02	.28	.45	.26	.44
01:00	18.4	18.5	18.5	18.6	.04	.03	.14	.00	.10
02:00	17.5	17.5	17.4	17.3	.02	-.11	-.13	-.13	-.15
03:00	14.9	14.9	14.8	14.8	.00	-.11	-.12	-.10	-.12
04:00	13.8	13.8	13.7	13.7	.00	-.12	-.15	-.12	-.15
05:00	13.6	13.6	13.4	13.4	.00	-.14	-.20	-.14	-.19
06:00	13.2	13.2	13.0	12.9	.00	-.16	-.22	-.16	-.22
07:00	12.8	12.8	12.7	12.6	.01	-.14	-.20	-.15	-.21
08:00	13.0	13.0	12.8	12.8	-.04	-.21	-.28	-.17	-.23
09:00	13.1	13.0	12.8	12.7	-.11	-.31	-.38	-.20	-.27
10:00	13.9	13.7	13.4	13.3	-.26	-.48	-.60	-.22	-.34
11:00	14.4	14.1	13.8	13.7	-.30	-.55	-.68	-.26	-.39
12:00	14.2	13.9	13.6	13.5	-.35	-.60	-.72	-.25	-.37
13:00	15.1	14.5	14.3	14.2	-.56	-.83	-.95	-.27	-.39
14:00	16.2	15.4	15.1	14.9	-.79	-1.11	-1.28	-.31	-.48
15:00	16.0	15.5	15.2	15.1	-.49	-.76	-.88	-.26	-.39
16:00	16.0	15.5	15.2	15.1	-.51	-.78	-.89	-.27	-.39
17:00	15.6	15.3	15.0	14.9	-.28	-.51	-.61	-.23	-.33
18:00	14.9	14.8	14.6	14.5	-.08	-.28	-.36	-.20	-.27
19:00	13.3	13.5	13.4	13.4	.21	.12	.12	-.10	-.10
20:00	11.4	12.3	12.4	12.6	.98	1.09	1.22	.11	.24
21:00	11.1	11.8	12.0	12.1	.65	.86	1.05	.20	.39
22:00	12.0	12.2	12.1	12.1	.21	.13	.13	-.08	-.08
23:00	10.9	11.7	11.7	11.7	.85	.84	.88	-.01	.02
Avg	14.3	14.3	14.1	14.1	-.03	-.16	-.19	-.13	-.16
Max	18.4	18.5	18.5	18.6	.98	1.09	1.22	.26	.44
Hr. of Max	01	01	01	01	20	20	20	00	00
Min	10.9	11.7	11.7	11.7	-.79	-1.11	-1.28	-.31	-.48
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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10/21/2016

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	17.2	17.2	17.5	22.5	95.9	96.0	14.6	14.7	0.012734
01:00	17.2	17.3	17.6	22.4	94.6	94.7	14.6	14.7	0.012771
02:00	14.5	14.3	15.5	22.3	84.2	83.3	12.4	12.2	0.010709
03:00	12.7	12.5	13.4	22.1	87.7	87.0	11.1	11.0	0.009467
04:00	11.2	11.0	12.1	21.9	85.4	84.5	10.1	10.0	0.008571
05:00	10.6	10.4	11.6	21.7	83.2	82.1	9.7	9.5	0.008203
06:00	9.7	9.6	10.9	21.4	80.8	79.8	9.2	9.0	0.007752
07:00	9.6	9.4	10.7	21.2	81.9	81.0	9.1	9.0	0.007668
08:00	9.3	9.1	10.5	20.9	79.1	78.2	8.9	8.8	0.007512
09:00	9.2	8.9	10.5	20.7	78.2	77.1	8.8	8.7	0.007471
10:00	8.8	8.4	10.5	20.5	72.5	71.7	8.6	8.4	0.007286
11:00	8.3	7.9	10.3	20.4	67.9	67.1	8.3	8.1	0.007022
12:00	7.9	7.5	10.0	20.3	66.6	66.4	8.1	7.9	0.006829
13:00	7.2	6.8	9.8	20.3	60.0	60.4	7.7	7.5	0.006516
14:00	6.4	6.0	9.7	20.2	52.9	54.1	7.2	7.1	0.006173
15:00	5.7	5.3	9.1	20.3	51.1	51.5	6.9	6.7	0.005871
16:00	5.1	4.8	8.7	20.3	49.2	49.8	6.6	6.5	0.005657
17:00	4.7	4.4	8.3	20.2	49.0	48.9	6.5	6.3	0.005479
18:00	4.5	4.2	8.0	20.2	50.4	49.5	6.4	6.2	0.005402
19:00	4.4	4.2	7.4	20.1	55.6	54.0	6.4	6.3	0.005369
20:00	4.5	4.2	6.8	19.9	63.8	58.2	6.5	6.3	0.005407
21:00	5.1	4.5	7.1	19.7	67.5	61.6	6.7	6.4	0.005631
22:00	4.3	3.7	6.9	19.5	60.3	57.0	6.4	6.1	0.005337
23:00	2.6	2.1	5.4	19.3	57.6	52.1	5.7	5.4	0.004722
Avg	8.4	8.1	10.3	20.8	69.8	68.6	8.6	8.5	0.007315
Max	17.2	17.3	17.6	22.5	95.9	96.0	14.6	14.7	0.012771
Hr. of Max	01	01	01	00	00	00	01	01	01
Min	2.6	2.1	5.4	19.3	49.0	48.9	5.7	5.4	0.004722
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/21/2016

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	0.012771	19.7	19.7	.00	28.94	980.0	-2.4	.00	213.6
01:00	0.012812	19.7	19.8	.00	28.93	979.7	-2.7	.00	254.7
02:00	0.010604	16.6	16.4	.00	28.94	980.2	-2.3	.00	263.6
03:00	0.00939	14.7	14.6	.03	28.95	980.5	-2.2	.00	259.3
04:00	0.00848	13.3	13.2	.00	28.97	981.2	-1.8	.00	253.2
05:00	0.008095	12.8	12.6	.00	29.01	982.4	-2.6	.00	240.4
06:00	0.007656	12.1	12.0	.00	29.04	983.3	-2.1	.00	248.4
07:00	0.007589	12.0	11.9	.00	29.05	983.7	-1.6	.00	244.2
08:00	0.007409	11.7	11.6	.00	29.06	984.1	20.0	.03	261.2
09:00	0.007309	11.7	11.4	.00	29.08	984.6	56.5	.08	260.3
10:00	0.007091	11.4	11.1	.00	29.08	984.9	142.2	.20	262.4
11:00	0.006814	11.0	10.7	.00	29.09	985.2	173.9	.25	282.6
12:00	0.006655	10.7	10.4	.00	29.09	985.3	165.7	.24	267.6
13:00	0.006327	10.2	9.9	.00	29.08	984.9	280.8	.40	283.7
14:00	0.005999	9.7	9.4	.00	29.07	984.6	450.0	.65	285.3
15:00	0.005729	9.2	9.0	.00	29.07	984.5	219.8	.32	283.4
16:00	0.005539	8.9	8.7	.00	29.07	984.4	246.6	.35	286.3
17:00	0.005371	8.6	8.4	.00	29.07	984.6	132.8	.19	303.8
18:00	0.005282	8.5	8.3	.00	29.08	984.9	25.3	.04	283.6
19:00	0.005285	8.4	8.3	.00	29.09	985.2	-2.5	.00	290.6
20:00	0.005269	8.5	8.3	.00	29.10	985.5	-3.5	.00	230.5
21:00	0.00537	8.8	8.4	.00	29.11	985.9	-3.7	-.01	234.4
22:00	0.005115	8.4	8.0	.00	29.12	986.2	-2.2	.00	324.0
23:00	0.004535	7.4	7.1	.00	29.12	986.2	-2.1	.00	13.1
Avg	0.007187	11.4	11.2	.00	29.05	983.8	78.4	.11	268.0
Max	0.012812	19.7	19.8	.03	29.12	986.2	450.0	.65	324.0
Hr. of Max	01	01	01	03	23	23	14	14	22
Min	0.004535	7.4	7.1	.00	28.93	979.7	-3.7	-.01	13.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/21/2016

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	212.4	227.1	237.4	223.5	21.4	38.9	20.9	1.0	1.4
01:00	259.0	253.6	254.6	248.4	27.4	18.4	14.5	3.2	5.4
02:00	275.0	279.5	262.8	273.1	26.5	20.4	16.3	7.0	9.9
03:00	271.9	277.2	259.6	271.2	25.2	19.9	16.3	7.7	10.7
04:00	267.4	274.6	253.4	268.7	28.8	21.2	17.5	7.0	9.9
05:00	254.2	259.5	242.0	254.3	23.4	17.9	16.4	5.2	7.3
06:00	262.0	268.0	247.7	262.2	26.3	20.3	17.6	4.7	6.3
07:00	261.5	269.1	245.3	263.6	29.9	21.6	18.7	3.7	5.5
08:00	277.9	284.3	261.2	277.9	28.3	22.1	17.9	3.8	5.6
09:00	274.3	287.8	258.5	280.4	44.7	25.8	25.9	3.0	4.3
10:00	269.9	276.0	262.4	269.5	31.8	23.6	21.4	3.6	4.5
11:00	298.5	302.6	277.3	294.0	45.0	34.7	28.3	2.9	4.1
12:00	283.2	287.6	266.6	280.7	34.4	25.6	22.9	4.0	5.3
13:00	291.4	294.6	281.0	286.9	34.1	25.5	22.4	4.4	5.8
14:00	299.9	303.4	281.3	294.0	37.7	32.8	28.3	4.8	6.5
15:00	295.3	300.3	279.9	292.4	40.4	29.1	27.7	4.0	5.3
16:00	303.8	304.8	282.5	296.8	45.7	33.2	30.1	3.6	5.0
17:00	308.3	307.8	295.8	300.1	48.5	31.5	29.7	2.7	4.5
18:00	293.5	300.7	281.4	292.4	52.8	34.5	29.7	3.4	5.1
19:00	298.1	301.1	284.0	292.8	29.1	21.1	16.2	2.9	4.8
20:00	238.0	242.4	233.3	236.9	31.0	24.6	26.1	2.5	3.2
21:00	235.3	236.9	235.8	232.3	20.3	12.2	10.9	3.2	5.3
22:00	320.7	320.0	305.6	311.0	46.4	31.6	20.8	1.7	3.2
23:00	2.3	358.0	342.0	347.5	38.6	19.6	18.8	1.9	4.1
Avg	279.0	283.0	267.0	277.0	34.1	25.3	21.5	.0	.0
Max	320.7	358.0	342.0	347.5	52.8	38.9	30.1	7.7	10.7
Hr. of Max	22	23	23	23	18	00	16	03	03
Min	2.3	227.1	233.3	223.5	20.3	12.2	10.9	1.0	1.4
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)

10/21/2016

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	2.3	1.1	1.5	2.6	1.5	2.8	.7	-.7	-.02
01:00	7.2	3.6	5.7	7.7	4.1	8.0	-.4	-.2	-.09
02:00	12.9	7.6	10.5	13.4	8.3	13.8	-.6	-1.8	-.47
03:00	13.4	8.3	11.3	14.0	9.1	14.4	-1.1	-1.7	-.51
04:00	12.6	7.7	10.5	13.1	8.5	13.7	-1.9	-1.9	-.61
05:00	9.2	5.6	7.7	9.6	6.2	10.1	.8	-.6	-.09
06:00	8.0	5.0	6.7	8.3	5.5	8.8	.5	.8	-.17
07:00	7.3	4.1	5.8	7.7	4.6	8.1	.7	-.4	-.16
08:00	7.3	4.2	6.0	7.6	4.8	7.9	-.7	-1.3	-.24
09:00	5.5	3.5	4.7	6.0	4.0	6.4	1.2	-2.0	-.12
10:00	5.4	4.0	4.9	5.8	4.5	6.3	-2.7	-4.1	-.38
11:00	5.2	3.9	5.0	6.1	4.6	6.5	-.7	-1.7	-.30
12:00	6.4	4.5	5.6	6.9	4.9	7.2	-.4	.1	-.26
13:00	6.6	5.1	6.4	7.2	5.6	7.5	-3.3	-2.5	-.46
14:00	8.0	5.9	7.5	8.8	6.5	9.5	-3.9	-5.0	-.82
15:00	6.4	4.8	6.1	7.2	5.3	7.8	-2.5	-1.3	-.42
16:00	6.2	4.5	5.9	7.0	5.3	7.5	-3.2	-.5	-.44
17:00	5.7	4.0	5.4	6.6	4.5	7.1	.6	-2.1	-.26
18:00	6.6	4.2	5.7	7.2	4.8	7.8	.7	-.8	-.21
19:00	6.9	3.3	5.1	7.2	3.6	7.3	-1.9	-3.4	-.27
20:00	3.7	2.9	4.0	5.2	3.4	5.6	-.5	-1.1	-.06
21:00	6.3	3.4	5.5	6.6	3.8	7.0	-.4	.0	-.08
22:00	4.9	2.8	4.4	6.1	3.2	6.4	1.4	-.9	-.14
23:00	5.8	2.1	4.4	6.1	2.6	6.5	-.6	-.9	-.19
Avg	.0	4.4	6.1	7.7	5.0	8.1	-.8	-1.4	-.28
Max	13.4	8.3	11.3	14.0	9.1	14.4	1.4	.8	-.02
Hr. of Max	03	03	03	03	03	03	22	06	00
Min	2.3	1.1	1.5	2.6	1.5	2.8	-3.9	-5.0	-.82
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

10/21/2016

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	2.5	3.7	4.8	10.5	11.5	19.4	19.6
01:00	-.09	13.7	15.8	17.9	12.6	6.6	19.8	19.5
02:00	-.78	23.1	24.3	26.6	17.8	12.0	18.5	18.0
03:00	-.74	21.3	27.0	34.1	17.5	12.2	15.8	15.3
04:00	-.82	23.8	24.5	29.1	17.7	12.6	14.6	14.1
05:00	-.28	16.0	17.4	20.2	16.9	11.9	14.3	13.7
06:00	-.11	13.7	19.2	21.1	17.4	13.6	13.8	13.2
07:00	-.23	19.0	23.8	26.8	19.1	12.8	13.5	12.9
08:00	-.38	11.9	13.1	15.3	19.1	13.1	13.6	13.0
09:00	-.48	10.5	14.0	17.9	21.4	18.9	13.6	13.0
10:00	-.61	11.0	12.1	12.8	18.9	15.9	14.2	13.5
11:00	-.38	11.9	13.3	14.4	23.8	20.0	14.6	13.8
12:00	-.38	15.1	15.1	15.8	20.9	17.5	14.4	13.6
13:00	-.56	14.2	15.6	16.9	18.3	16.0	14.9	14.2
14:00	-1.42	17.6	17.9	21.1	21.3	19.8	15.7	14.8
15:00	-.52	14.0	15.8	18.5	22.0	19.0	15.8	15.0
16:00	-.51	17.2	18.3	21.3	23.1	21.1	15.8	15.0
17:00	-.59	11.9	15.1	16.9	22.9	19.4	15.6	14.9
18:00	-.57	15.3	14.7	19.2	23.7	20.8	15.1	14.5
19:00	-.65	10.8	11.7	14.4	18.6	12.4	13.9	13.4
20:00	-.21	9.8	11.4	18.3	14.7	13.3	12.7	12.6
21:00	.02	8.2	10.8	15.8	10.6	6.9	12.1	12.2
22:00	-.29	15.6	17.2	19.7	23.7	15.2	12.5	12.1
23:00	-.18	8.0	15.6	13.5	20.7	10.1	11.9	11.6
Avg	-.45	14.0	16.1	18.9	18.9	14.7	14.8	14.3
Max	.02	23.8	27.0	34.1	23.8	21.1	19.8	19.6
Hr. of Max	21	04	03	03	11	16	01	00
Min	-1.42	2.5	3.7	4.8	10.5	6.6	11.9	11.6
Count	24	24	24	24	24	24	24	24
Total								