Date Printed: 02/13/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

2/12/2017

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	13.7	14.5	14.7	15.0	.85	1.07	1.32	.22	.47
01:00	14.1	14.7	14.9	15.1	.66	.81	1.02	.15	.36
02:00	13.9	14.9	15.5	15.8	1.03	1.63	1.89	.60	.86
03:00	14.1	15.6	15.9	16.2	1.45	1.82	2.07	.37	.62
04:00	15.5	16.5	16.8	17.1	1.00	1.31	1.67	.31	.67
05:00	16.0	17.0	17.0	17.2	1.00	1.05	1.20	.06	.20
06:00	15.6	16.7	16.8	17.0	1.05	1.15	1.36	.10	.31
07:00	17.1	17.5	17.5	17.7	.38	.40	.54	.02	.17
08:00	18.1	18.1	18.0	18.0	.07	-.07	-.09	-.13	-.15
09:00	19.2	18.9	18.7	18.6	-.24	-.48	-.57	-.24	-.34
10:00	20.6	20.3	20.0	19.9	-.35	-.61	-.70	-.26	-.36
11:00	22.5	22.0	21.7	21.6	-.56	-.86	-.99	-.30	-.43
12:00	23.0	22.6	22.4	22.3	-.40	-.65	-.76	-.24	-.35
13:00	24.2	23.8	23.5	23.4	-.40	-.65	-.79	-.25	-.39
14:00	23.3	23.1	22.9	22.8	-.22	-.43	-.53	-.21	-.31
15:00	22.3	22.3	22.1	22.0	-.01	-.18	-.25	-.17	-.23
16:00	21.4	21.4	21.2	21.2	-.03	-.22	-.29	-.19	-.26
17:00	19.4	19.4	19.2	19.2	.02	-.15	-.22	-.17	-.24
18:00	17.8	17.9	17.8	17.7	.15	.01	-.04	-.15	-.19
19:00	16.3	16.6	16.4	16.4	.27	.15	.13	-.13	-.14
20:00	14.5	14.9	14.7	14.7	.34	.21	.20	-.12	-.13
21:00	12.9	13.3	13.2	13.2	.44	.34	.33	-.10	-.11
22:00	11.5	12.0	11.9	11.9	.46	.38	.38	-.08	-.08
23:00	10.4	11.0	10.9	10.9	.54	.45	.46	-.09	-.09
Avg	17.4	17.7	17.7	17.7	.31	.27	.31	-.04	-.01
Max	24.2	23.8	23.5	23.4	1.45	1.82	2.07	.60	.86
Hr. of Max	13	13	13	13	03	03	03	02	02
Min	10.4	11.0	10.9	10.9	-.56	-.86	-.99	-.30	-.43
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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2/12/2017

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	13.1	12.9	9.9	94.1	92.5	11.0	11.4	0.009306
01:00	12.9	13.4	13.3	9.9	93.9	93.3	11.2	11.6	0.009532
02:00	12.8	13.6	13.2	10.0	94.9	93.7	11.2	11.8	0.009515
03:00	13.3	14.2	13.6	10.0	96.6	93.1	11.6	12.2	0.00984
04:00	14.4	14.8	14.7	10.0	94.7	91.3	12.3	12.6	0.010538
05:00	14.3	14.9	14.9	10.1	91.6	89.2	12.3	12.7	0.010538
06:00	14.4	14.9	14.8	10.2	94.2	91.0	12.4	12.7	0.010602
07:00	15.4	15.6	16.0	10.2	91.4	90.5	13.1	13.3	0.011304
08:00	15.7	15.8	16.5	10.3	87.5	88.0	13.3	13.4	0.011474
09:00	15.8	15.8	16.9	10.4	82.4	83.8	13.4	13.4	0.011588
10:00	15.9	15.9	17.5	10.6	76.1	77.4	13.4	13.4	0.011702
11:00	15.8	15.6	18.1	10.9	67.2	68.7	13.2	13.1	0.011627
12:00	15.6	15.4	18.1	11.3	64.4	65.1	13.0	12.9	0.011465
13:00	13.7	13.6	17.2	11.7	53.2	53.8	11.5	11.4	0.010177
14:00	13.2	13.0	16.6	12.1	54.2	54.3	11.2	11.1	0.009836
15:00	12.1	12.0	15.5	12.4	53.6	53.2	10.5	10.4	0.009143
16:00	11.7	11.6	15.0	12.6	55.0	54.7	10.2	10.1	0.008899
17:00	10.8	10.7	13.7	12.7	58.6	58.2	9.7	9.6	0.008344
18:00	7.2	7.0	10.7	12.8	50.9	49.7	7.7	7.6	0.006555
19:00	2.1	1.7	6.9	12.7	39.4	37.6	5.5	5.3	0.004615
20:00	-3.8	-4.4	2.3	12.6	28.5	26.6	3.5	3.4	0.002965
21:00	-2.8	-3.5	2.4	12.4	34.0	31.5	3.8	3.6	0.003171
22:00	-2.9	-3.5	1.9	12.1	37.0	34.3	3.8	3.6	0.003157
23:00	-1.5	-2.0	2.5	11.9	44.1	40.9	4.2	4.1	0.00349
Avg	10.4	10.4	12.7	11.2	68.2	67.2	10.1	10.2	0.008724
Max	15.9	15.9	18.1	12.8	96.6	93.7	13.4	13.4	0.011702
Hr. of Max	10	10	12	18	03	02	10	10	10
Min	-3.8	-4.4	1.9	9.9	28.5	26.6	3.5	3.4	0.002965
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/12/2017

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	0.009664	14.5	15.1	.00	29.11	986.0	-2.5	.00	141.7
01:00	0.009882	14.9	15.4	.00	29.10	985.5	-1.8	.00	217.5
02:00	0.010047	14.8	15.7	.00	29.09	985.0	-1.8	.00	223.6
03:00	0.010408	15.3	16.2	.00	29.07	984.6	-2.7	.00	230.4
04:00	0.010817	16.4	16.8	.00	29.06	984.3	-2.5	.00	234.8
05:00	0.010926	16.4	17.0	.00	29.07	984.3	-2.0	.00	254.6
06:00	0.010953	16.5	17.0	.00	29.06	984.3	-2.6	.00	252.3
07:00	0.011467	17.6	17.8	.00	29.07	984.4	3.0	.00	231.7
08:00	0.011589	17.8	18.0	.00	29.08	984.9	56.6	.08	228.5
09:00	0.011612	18.0	18.1	.00	29.08	984.9	215.1	.31	221.9
10:00	0.01165	18.2	18.1	.00	29.09	985.0	281.4	.40	225.2
11:00	0.011492	18.1	17.9	.00	29.08	984.9	397.1	.57	232.1
12:00	0.011312	17.8	17.6	.00	29.07	984.5	320.9	.46	238.7
13:00	0.010059	15.8	15.7	.00	29.05	983.8	315.9	.45	257.1
14:00	0.009724	15.3	15.1	.00	29.05	983.7	182.8	.26	262.7
15:00	0.009061	14.3	14.1	.00	29.06	984.0	85.6	.12	268.7
16:00	0.008834	13.9	13.8	.00	29.08	984.8	74.6	.11	280.1
17:00	0.008303	13.1	13.0	.00	29.12	986.1	43.6	.06	273.3
18:00	0.006465	10.3	10.2	.00	29.17	987.8	.3	.00	279.3
19:00	0.004486	7.3	7.1	.00	29.21	989.3	-1.8	.00	302.7
20:00	0.00283	4.7	4.5	.00	29.25	990.6	-1.8	.00	320.6
21:00	0.003023	5.0	4.8	.00	29.27	991.2	-2.7	.00	314.1
22:00	0.003011	5.0	4.8	.00	29.29	991.8	-2.2	.00	341.9
23:00	0.00336	5.5	5.3	.00	29.30	992.2	-2.3	.00	326.0
Avg	0.008791	13.6	13.7	.00	29.12	986.2	81.3	.12	256.0
Max	0.01165	18.2	18.1	.00	29.30	992.2	397.1	.57	341.9
Hr. of Max	10	10	10	23	23	23	11	11	22
Min	0.00283	4.7	4.5	.00	29.05	983.7	-2.7	.00	141.7
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/12/2017

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	238.9	274.5	201.0	269.3	32.8	21.2	16.0	.6	1.9
01:00	233.7	239.0	220.1	234.7	11.0	6.0	4.5	3.3	5.4
02:00	256.5	247.9	225.8	243.2	9.4	7.0	5.8	3.3	5.1
03:00	250.9	241.3	232.1	237.0	8.0	7.0	5.6	3.5	5.4
04:00	239.4	228.2	236.2	224.6	14.6	9.2	6.9	4.7	8.3
05:00	253.8	241.0	254.6	236.7	21.8	12.6	9.3	2.8	5.1
06:00	252.1	238.3	251.5	234.3	17.4	11.1	8.1	2.8	5.0
07:00	234.9	229.4	232.6	225.6	15.5	10.1	6.9	4.7	7.9
08:00	233.4	230.4	229.3	226.4	17.8	12.5	8.8	6.6	9.5
09:00	227.7	225.6	222.3	221.7	20.1	13.8	10.6	7.8	10.8
10:00	233.7	232.8	225.4	228.5	20.3	15.7	13.4	7.4	10.0
11:00	237.1	236.0	231.7	232.3	20.0	15.2	11.9	9.3	12.4
12:00	247.7	247.8	238.8	243.1	22.0	19.5	17.5	7.8	9.8
13:00	264.8	265.8	256.4	260.4	25.8	21.6	18.3	8.1	10.9
14:00	271.2	272.0	262.9	266.5	24.3	20.9	18.3	6.5	8.8
15:00	277.5	278.2	266.8	272.5	32.8	23.8	19.6	5.4	7.8
16:00	291.2	292.2	277.5	285.2	30.8	26.2	22.3	6.0	8.0
17:00	283.4	288.3	271.4	281.6	30.2	24.2	20.6	6.7	9.4
18:00	293.7	303.2	275.2	295.2	47.8	37.4	30.4	3.3	4.9
19:00	315.5	319.1	297.4	310.0	41.3	31.8	24.4	4.0	6.2
20:00	331.8	330.8	314.1	320.8	37.0	27.4	22.4	4.7	6.9
21:00	325.0	326.2	306.7	316.1	37.4	27.6	21.4	3.6	5.5
22:00	345.9	343.7	330.9	333.4	38.4	27.0	21.7	3.7	6.5
23:00	329.2	331.3	309.8	321.7	54.5	31.9	27.6	2.5	4.6
Avg	267.0	267.0	255.0	261.0	26.3	19.2	15.5	.0	.0
Max	345.9	343.7	330.9	333.4	54.5	37.4	30.4	9.3	12.4
Hr. of Max	22	22	22	22	23	18	18	11	11
Min	227.7	225.6	201.0	221.7	8.0	6.0	4.5	.6	1.9
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)

2/12/2017

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	.7	2.1	3.9	1.2	4.0	2.7	2.0	.06
01:00	6.2	3.4	5.4	6.3	3.7	6.6	.2	.0	-.01
02:00	7.2	3.3	5.2	7.3	3.7	7.6	.7	-1.0	.04
03:00	7.9	3.5	5.4	7.9	3.9	8.4	.4	-1.0	.02
04:00	11.2	4.9	8.4	11.3	5.3	11.8	-.2	-1.3	-.10
05:00	7.5	3.1	5.3	7.6	3.4	8.1	-.3	.4	-.08
06:00	7.3	3.0	5.2	7.4	3.3	7.8	-1.8	-.7	-.13
07:00	10.7	4.9	8.0	10.7	5.4	11.4	-.6	-.9	-.16
08:00	12.1	6.9	9.8	12.3	7.7	13.0	.5	-.9	-.12
09:00	13.1	8.2	11.1	13.3	9.0	14.1	2.4	-1.0	.05
10:00	11.5	7.9	10.4	11.9	8.7	12.7	.2	.1	-.18
11:00	14.5	9.8	12.8	14.7	10.6	15.6	.8	-2.2	-.20
12:00	11.5	8.4	10.3	12.0	9.2	12.8	-.4	-.7	-.33
13:00	13.2	8.8	11.6	13.8	9.6	14.5	.5	.2	-.28
14:00	10.5	7.0	9.4	11.0	7.6	11.5	-1.2	-1.6	-.39
15:00	9.9	6.1	8.4	10.5	6.5	11.0	1.5	-.1	-.12
16:00	10.4	6.7	8.7	11.1	7.3	11.4	-2.0	-1.5	-.52
17:00	11.6	7.5	10.1	12.3	8.2	12.7	1.3	-2.2	-.23
18:00	6.8	4.5	6.2	7.9	5.3	8.6	1.7	.7	-.22
19:00	8.7	4.8	7.1	9.4	5.5	10.1	-4.0	-1.6	-.70
20:00	9.3	5.4	7.6	10.0	6.0	10.7	-1.3	-1.7	-.63
21:00	7.7	4.2	6.1	8.2	4.6	8.8	-3.4	-2.0	-.47
22:00	8.9	4.4	7.2	9.5	5.1	10.3	-2.5	-1.8	-.55
23:00	6.5	3.3	5.3	7.2	3.9	7.8	-1.9	2.1	-.41
Avg	.0	5.4	7.8	9.9	6.0	10.5	-.3	-.7	-.24
Max	14.5	9.8	12.8	14.7	10.6	15.6	2.7	2.1	.06
Hr. of Max	11	11	11	11	11	11	00	23	00
Min	3.7	.7	2.1	3.9	1.2	4.0	-4.0	-2.2	-.70
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/12/2017

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	.09	4.6	9.4	10.5	15.9	10.1	15.4	15.6
01:00	.00	5.3	7.3	8.5	6.0	2.9	15.6	15.7
02:00	-.14	7.1	9.6	13.7	4.6	3.8	15.8	16.4
03:00	-.16	6.9	12.1	14.9	4.6	3.4	16.4	16.8
04:00	-.31	10.5	13.7	19.9	9.6	4.2	17.4	17.8
05:00	.00	8.5	11.2	18.3	12.0	6.3	18.0	17.9
06:00	-.13	7.8	9.6	14.2	8.5	5.0	17.7	17.7
07:00	-.23	11.7	14.7	20.6	11.1	5.1	18.6	18.4
08:00	-.30	16.7	19.5	20.6	13.4	6.8	19.2	18.7
09:00	-.41	23.8	25.9	28.2	15.4	8.4	20.0	19.3
10:00	-.23	20.2	21.1	20.6	13.8	11.2	21.3	20.5
11:00	-.79	22.4	24.5	26.1	14.6	9.2	22.9	22.1
12:00	-.44	33.2	29.3	35.5	14.5	12.0	23.5	22.8
13:00	-.35	30.2	45.3	46.7	17.1	13.7	24.5	23.7
14:00	-.69	32.3	35.0	36.2	16.2	14.2	23.8	23.1
15:00	-.41	21.5	28.4	29.3	19.2	13.5	22.9	22.3
16:00	-.79	18.3	22.9	23.8	19.1	15.8	22.1	21.4
17:00	-.85	20.8	25.4	26.6	20.3	14.4	20.1	19.5
18:00	-.40	20.4	25.4	29.3	25.7	21.7	18.4	17.8
19:00	-.84	20.4	20.8	22.9	22.7	19.0	16.8	16.3
20:00	-.77	15.3	18.1	23.4	22.1	16.0	14.9	14.4
21:00	-.71	16.3	28.6	29.1	22.3	16.6	13.4	12.9
22:00	-.61	13.3	17.4	21.8	21.2	14.6	12.0	11.6
23:00	-.01	11.7	14.9	19.2	25.3	19.3	11.1	10.7
Avg	-.40	16.6	20.4	23.3	15.6	11.1	18.4	18.1
Max	.09	33.2	45.3	46.7	25.7	21.7	24.5	23.7
Hr. of Max	00	12	13	13	18	18	13	13
Min	-.85	4.6	7.3	8.5	4.6	2.9	11.1	10.7
Count	24	24	24	24	24	24	24	24
Total								