Date Printed: 04/05/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/4/2017

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	16.4	16.7	16.8	16.9	.34	.38	.53	.04	.18
01:00	15.6	16.1	16.3	16.5	.43	.61	.85	.17	.41
02:00	16.0	16.4	16.6	16.8	.41	.56	.77	.15	.36
03:00	16.0	16.5	16.8	17.1	.57	.83	1.09	.26	.53
04:00	16.0	16.7	17.0	17.3	.71	.96	1.26	.25	.55
05:00	16.9	17.6	17.7	17.8	.61	.71	.86	.10	.25
06:00	16.3	17.0	17.1	17.2	.71	.79	.95	.07	.23
07:00	14.2	16.3	16.5	16.7	2.11	2.32	2.50	.21	.39
08:00	15.6	16.5	16.5	16.6	.84	.88	.96	.04	.12
09:00	18.4	18.1	17.8	17.7	-.31	-.58	-.68	-.26	-.36
10:00	19.8	19.3	18.9	18.7	-.53	-.89	-1.05	-.35	-.51
11:00	20.8	20.1	19.7	19.6	-.68	-1.03	-1.13	-.35	-.45
12:00	22.0	21.3	20.9	20.7	-.65	-1.04	-1.25	-.40	-.60
13:00	23.2	22.5	22.1	22.0	-.65	-1.01	-1.16	-.36	-.51
14:00	24.1	23.3	23.0	22.9	-.77	-1.10	-1.24	-.34	-.47
15:00	24.7	24.0	23.7	23.6	-.62	-.99	-1.09	-.37	-.47
16:00	25.3	24.7	24.3	24.1	-.66	-1.03	-1.24	-.37	-.57
17:00	25.5	25.2	24.8	24.7	-.35	-.70	-.86	-.35	-.51
18:00	25.3	25.3	25.1	25.0	.05	-.23	-.32	-.27	-.36
19:00	23.9	24.4	24.3	24.3	.53	.43	.42	-.10	-.11
20:00	19.4	22.5	23.1	23.5	3.10	3.69	4.12	.59	1.02
21:00	17.5	20.1	21.0	22.2	2.53	3.44	4.67	.91	2.14
22:00	15.4	18.3	19.3	21.2	2.85	3.87	5.74	1.02	2.88
23:00	14.5	16.6	17.7	19.3	2.09	3.23	4.84	1.14	2.75
Avg	19.3	19.8	19.9	20.1	.53	.59	.81	.06	.29
Max	25.5	25.3	25.1	25.0	3.10	3.87	5.74	1.14	2.88
Hr. of Max	17	18	18	18	20	22	22	23	22
Min	14.2	16.1	16.3	16.5	-.77	-1.10	-1.25	-.40	-.60
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/4/2017

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	14.9	15.2	15.4	15.9	92.6	92.4	12.7	12.9	0.011033
01:00	14.7	15.1	15.0	15.8	95.9	95.9	12.6	12.9	0.010915
02:00	14.1	14.1	14.7	15.7	90.2	87.6	12.1	12.1	0.010485
03:00	13.6	13.3	14.4	15.7	87.4	82.6	11.7	11.5	0.010131
04:00	12.4	12.0	13.6	15.6	80.4	75.0	10.8	10.5	0.009354
05:00	9.9	9.5	12.3	15.6	64.4	60.1	9.2	8.9	0.00794
06:00	9.4	9.0	11.7	15.5	64.8	60.1	8.9	8.6	0.007654
07:00	9.9	9.0	11.3	15.4	76.8	63.2	9.2	8.7	0.007869
08:00	10.7	9.4	12.3	15.3	73.8	63.7	9.7	8.8	0.00831
09:00	10.5	9.6	13.1	15.2	61.3	58.5	9.5	8.9	0.00824
10:00	10.4	9.3	13.5	15.2	55.5	53.3	9.4	8.7	0.008158
11:00	10.1	8.9	13.6	15.4	51.3	49.5	9.2	8.5	0.008018
12:00	10.3	9.1	14.2	15.7	48.4	46.6	9.3	8.6	0.008137
13:00	9.8	8.6	14.2	16.2	43.6	42.0	9.0	8.3	0.007877
14:00	8.7	7.4	13.8	16.7	38.3	36.9	8.3	7.7	0.007335
15:00	8.3	7.0	13.8	17.1	36.2	34.2	8.1	7.4	0.007168
16:00	8.0	6.4	13.8	17.4	34.0	31.7	7.9	7.1	0.007007
17:00	7.6	6.1	13.5	17.7	32.7	30.2	7.7	7.0	0.006814
18:00	7.1	6.0	13.2	17.8	32.2	29.7	7.5	6.9	0.006607
19:00	8.2	7.4	13.4	17.9	37.6	34.5	8.1	7.6	0.0071
20:00	9.9	8.4	13.1	17.9	55.2	41.3	9.1	8.2	0.007894
21:00	10.1	9.6	12.6	17.8	62.7	52.2	9.3	8.9	0.007993
22:00	9.9	10.2	11.8	17.7	70.9	60.3	9.2	9.3	0.007894
23:00	10.2	10.3	11.7	17.6	76.7	67.3	9.4	9.4	0.008046
Avg	10.4	9.6	13.3	16.4	61.0	56.2	9.5	9.1	0.008249
Max	14.9	15.2	15.4	17.9	95.9	95.9	12.7	12.9	0.011033
Hr. of Max	00	00	00	20	01	01	00	01	00
Min	7.1	6.0	11.3	15.2	32.2	29.7	7.5	6.9	0.006607
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)

4/4/2017

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	0.01125	17.0	17.3	.09	28.73	973.1	-2.3	.00	234.4
01:00	0.011222	16.8	17.3	.00	28.75	973.5	-1.8	.00	228.6
02:00	0.010462	16.1	16.1	.00	28.76	974.1	-2.1	.00	230.6
03:00	0.009933	15.6	15.3	.00	28.78	974.5	-2.0	.00	229.7
04:00	0.009127	14.4	14.1	.01	28.79	975.1	-2.0	.00	229.1
05:00	0.007697	12.3	11.9	.00	28.81	975.8	-2.3	.00	241.0
06:00	0.007426	11.9	11.5	.00	28.86	977.2	-2.0	.00	233.6
07:00	0.007444	12.2	11.6	.00	28.88	978.1	22.1	.03	228.8
08:00	0.007603	12.9	11.8	.00	28.91	978.9	202.6	.29	222.7
09:00	0.007714	12.8	12.0	.00	28.92	979.4	436.3	.63	219.1
10:00	0.007581	12.7	11.8	.00	28.92	979.2	634.5	.91	233.6
11:00	0.007416	12.5	11.5	.00	28.92	979.4	736.0	1.06	223.0
12:00	0.007528	12.6	11.7	.00	28.92	979.5	798.8	1.15	211.3
13:00	0.007279	12.2	11.3	.00	28.93	979.6	760.2	1.09	224.1
14:00	0.006728	11.4	10.5	.00	28.91	979.2	766.3	1.10	237.1
15:00	0.006521	11.1	10.2	.00	28.89	978.5	754.6	1.08	217.1
16:00	0.006281	10.9	9.8	.00	28.88	978.1	708.8	1.02	220.1
17:00	0.00617	10.6	9.6	.00	28.89	978.3	470.1	.67	215.3
18:00	0.006109	10.3	9.5	.00	28.89	978.5	234.1	.34	223.1
19:00	0.006727	11.0	10.5	.00	28.91	978.9	38.0	.05	208.5
20:00	0.007156	12.3	11.1	.00	28.92	979.4	-1.7	.00	108.6
21:00	0.007768	12.4	12.1	.00	28.94	980.0	-1.1	.00	89.4
22:00	0.008059	12.3	12.5	.00	28.95	980.5	-2.0	.00	95.7
23:00	0.008079	12.5	12.6	.00	28.95	980.4	-2.3	.00	77.7
Avg	0.007887	12.8	12.2	.00	28.88	977.9	272.5	.39	216.0
Max	0.01125	17.0	17.3	.09	28.95	980.5	798.8	1.15	241.0
Hr. of Max	00	00	01	00	23	22	12	12	05
Min	0.006109	10.3	9.5	.00	28.73	973.1	-2.3	.00	77.7
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/4/2017

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	241.1	237.5	235.2	233.2	21.1	14.3	12.5	5.9	9.4
01:00	235.0	232.9	229.3	228.9	16.5	9.5	6.8	6.1	10.4
02:00	237.5	235.0	230.9	230.8	16.8	10.5	6.7	6.1	10.4
03:00	235.4	230.6	231.2	226.9	16.5	8.2	5.5	4.5	8.7
04:00	237.2	236.0	230.4	231.9	17.0	9.9	7.4	5.4	9.3
05:00	250.4	251.4	241.4	246.5	19.3	15.6	12.6	8.7	12.5
06:00	240.1	240.1	233.1	235.8	18.7	12.8	10.8	6.0	9.4
07:00	228.7	225.3	231.0	221.2	18.5	11.2	9.5	2.9	4.9
08:00	233.2	228.1	224.8	224.0	15.9	10.2	8.4	3.5	5.6
09:00	229.7	229.9	219.1	225.3	20.5	17.5	14.4	6.3	7.9
10:00	241.3	238.9	234.8	234.1	29.9	22.6	20.9	5.9	7.9
11:00	232.2	230.4	224.1	226.0	32.6	25.4	21.6	6.0	7.7
12:00	221.5	220.6	211.6	216.1	23.5	19.6	16.3	7.8	9.8
13:00	230.5	230.4	224.7	225.9	25.2	21.2	18.2	8.5	10.9
14:00	244.0	242.0	236.9	237.2	29.4	25.4	21.8	6.8	9.0
15:00	227.2	227.5	219.1	223.3	28.6	22.8	20.5	6.7	8.7
16:00	225.5	223.8	220.7	220.0	25.6	19.1	14.3	7.0	9.1
17:00	222.9	223.4	217.0	219.0	27.9	22.0	23.1	6.4	8.1
18:00	230.3	228.8	224.6	224.9	23.6	18.5	15.0	5.5	7.6
19:00	213.0	207.1	213.3	202.6	21.5	17.2	14.4	3.3	5.0
20:00	240.7	217.9	276.5	213.6	34.1	16.6	8.1	.6	1.5
21:00	32.9	223.8	92.9	193.9	12.0	22.6	48.6	.4	.8
22:00	25.8	295.8	102.7	289.2	4.3	29.1	26.3	.1	.4
23:00	64.7	56.4	41.6	49.9	23.2	15.6	14.2	.7	2.0
Avg	235.0	232.0	224.0	226.0	21.8	17.4	15.7	.0	.0
Max	250.4	295.8	276.5	289.2	34.1	29.1	48.6	8.7	12.5
Hr. of Max	05	22	20	22	20	22	21	05	05
Min	25.8	56.4	41.6	49.9	4.3	8.2	5.5	.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)

4/4/2017

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	12.3	6.3	9.7	12.6	7.0	13.3	.1	-.6	-.15
01:00	14.0	6.4	10.6	14.1	6.9	14.8	.2	-.6	-.14
02:00	13.9	6.3	10.5	14.1	6.8	14.8	1.0	-.4	-.04
03:00	11.9	4.7	8.8	11.9	5.2	12.5	.5	-1.1	-.06
04:00	12.5	5.6	9.5	12.7	6.1	13.4	.1	-.3	-.13
05:00	15.5	9.1	13.0	15.9	9.9	16.8	-.7	-.4	-.40
06:00	12.0	6.5	9.8	12.4	7.1	13.0	-.1	-.7	-.17
07:00	6.7	3.2	5.1	7.0	3.6	7.4	-.6	-.6	-.05
08:00	7.2	3.7	5.7	7.3	4.0	7.7	-.2	-1.0	-.08
09:00	9.4	6.8	8.3	9.8	7.3	10.5	2.0	.1	.00
10:00	9.0	6.7	8.7	9.6	7.1	10.3	2.8	.4	.05
11:00	8.7	7.0	8.5	9.4	7.7	10.1	.0	-2.8	-.11
12:00	11.7	8.4	10.3	12.2	9.3	12.9	1.6	-1.0	.05
13:00	12.7	9.3	11.6	13.3	10.1	14.2	.4	-.6	-.23
14:00	10.6	7.7	10.0	11.4	8.3	12.2	2.2	-.6	.01
15:00	9.8	7.5	9.4	10.5	8.2	11.2	-.2	-1.8	-.25
16:00	10.9	7.7	9.7	11.2	8.4	11.9	1.4	-2.2	-.07
17:00	9.2	7.2	8.6	9.6	7.8	10.3	1.8	-.4	.03
18:00	9.0	5.9	8.0	9.3	6.5	9.9	1.9	-1.0	.01
19:00	6.3	3.6	5.3	6.7	4.1	7.1	1.4	-1.4	.04
20:00	3.2	.7	1.6	3.3	.9	3.5	1.0	-1.2	.00
21:00	.4	.4	.9	1.4	.7	1.6	2.8	1.2	.03
22:00	.7	.1	.4	.9	.4	1.1	1.8	-.7	.02
23:00	2.7	.8	2.1	2.8	1.2	3.0	.6	1.0	.01
Avg	.0	5.5	7.8	9.6	6.0	10.1	.9	-.7	-.07
Max	15.5	9.3	13.0	15.9	10.1	16.8	2.8	1.2	.05
Hr. of Max	05	13	05	05	13	05	21	21	12
Min	.4	.1	.4	.9	.4	1.1	-.7	-2.8	-.40
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/4/2017

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	-.24	16.5	25.2	46.3	12.7	6.9	17.8	17.7
01:00	-.22	15.1	19.2	24.0	12.2	4.9	17.1	17.2
02:00	-.17	15.6	28.2	33.0	13.2	5.2	17.4	17.3
03:00	-.26	12.1	19.5	21.3	11.8	3.8	17.4	17.6
04:00	-.13	14.0	16.5	28.2	12.2	5.2	17.5	17.7
05:00	-.33	27.9	33.2	35.3	14.1	8.9	18.2	18.0
06:00	-.24	16.0	21.8	22.0	12.5	6.7	17.6	17.5
07:00	-.10	9.6	14.2	16.7	8.0	5.5	16.9	16.9
08:00	-.16	8.2	11.9	15.6	10.3	5.8	16.9	16.7
09:00	-.18	19.2	21.8	19.5	15.8	10.9	18.5	17.7
10:00	-.15	18.8	30.0	31.6	18.4	14.0	19.6	18.7
11:00	-.55	16.9	21.3	27.7	17.3	14.5	20.4	19.5
12:00	-.42	19.7	23.6	26.8	16.2	12.6	21.6	20.6
13:00	-.41	21.5	29.1	26.1	15.6	11.7	22.7	21.7
14:00	-.47	17.6	22.0	29.8	18.1	13.9	23.5	22.5
15:00	-.49	19.5	32.7	38.7	15.7	13.2	24.1	23.2
16:00	-.61	21.5	23.6	22.0	17.1	11.5	24.8	23.8
17:00	-.38	19.9	20.4	23.1	15.5	16.3	25.2	24.4
18:00	-.32	14.4	15.1	16.9	15.4	10.4	25.4	24.7
19:00	-.24	9.4	11.4	20.2	14.3	10.1	24.7	24.3
20:00	-.10	5.0	8.0	8.7	7.7	4.4	22.8	23.7
21:00	.02	2.5	2.5	5.7	13.8	12.1	20.5	22.4
22:00	-.01	1.1	1.8	2.3	5.6	8.5	18.8	21.4
23:00	.06	4.6	5.3	5.3	8.1	3.8	17.1	19.7
Avg	-.25	14.4	19.1	22.8	13.4	9.2	20.3	20.2
Max	.06	27.9	33.2	46.3	18.4	16.3	25.4	24.7
Hr. of Max	23	05	05	00	10	17	18	18
Min	-.61	1.1	1.8	2.3	5.6	3.8	16.9	16.7
Count	24	24	24	24	24	24	24	24
Total								