Date Printed: 01/13/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

1/12/2017

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	11.3	12.8	13.4	13.7	1.45	2.06	2.33	.61	.87
01:00	11.3	12.6	13.5	13.7	1.26	2.19	2.39	.93	1.12
02:00	11.5	13.0	13.9	14.7	1.56	2.49	3.23	.92	1.67
03:00	15.1	16.3	16.5	16.8	1.15	1.41	1.63	.27	.49
04:00	16.6	16.9	16.9	16.9	.39	.34	.39	-.04	.00
05:00	15.6	15.8	15.7	15.7	.22	.12	.12	-.10	-.10
06:00	14.5	14.8	14.7	14.8	.22	.19	.24	-.02	.02
07:00	14.7	15.0	15.1	15.2	.31	.35	.49	.04	.18
08:00	14.6	14.9	15.0	15.1	.31	.36	.48	.05	.17
09:00	15.6	15.9	15.8	15.8	.27	.20	.22	-.08	-.05
10:00	16.2	16.3	16.2	16.2	.17	.04	.03	-.13	-.14
11:00	16.6	16.7	16.5	16.5	.08	-.08	-.13	-.16	-.20
12:00	17.3	17.2	17.0	16.9	-.07	-.28	-.35	-.21	-.29
13:00	17.9	17.9	17.6	17.6	-.09	-.31	-.38	-.21	-.28
14:00	18.3	18.3	18.1	18.0	-.06	-.25	-.31	-.19	-.25
15:00	18.7	18.7	18.5	18.4	-.05	-.24	-.31	-.20	-.27
16:00	18.4	18.4	18.3	18.2	.07	-.09	-.13	-.16	-.20
17:00	17.8	18.0	17.9	17.9	.19	.08	.09	-.12	-.10
18:00	17.4	17.7	17.6	17.7	.32	.27	.36	-.05	.03
19:00	15.9	17.4	17.4	17.5	1.47	1.52	1.63	.05	.17
20:00	14.7	16.9	17.2	17.3	2.21	2.45	2.60	.24	.39
21:00	13.2	15.2	16.1	16.5	1.99	2.87	3.26	.88	1.27
22:00	12.1	13.8	15.2	15.7	1.71	3.06	3.59	1.35	1.87
23:00	11.7	13.3	14.6	15.6	1.67	2.99	3.91	1.32	2.24
Avg	15.3	16.0	16.2	16.4	.70	.91	1.06	.21	.36
Max	18.7	18.7	18.5	18.4	2.21	3.06	3.91	1.35	2.24
Hr. of Max	15	15	15	15	20	22	23	22	23
Min	11.3	12.6	13.4	13.7	-.09	-.31	-.38	-.21	-.29
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/12/2017

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	10.8	12.2	11.0	7.9	97.6	97.5	9.9	10.8	0.008246
01:00	10.7	12.1	10.9	7.9	97.6	98.6	9.8	10.7	0.008224
02:00	10.9	11.9	11.1	7.9	97.7	94.2	9.9	10.5	0.008316
03:00	12.1	11.2	13.1	8.0	84.2	73.0	10.7	10.0	0.009057
04:00	11.3	11.0	13.1	8.0	72.4	69.3	10.1	9.9	0.008575
05:00	12.3	12.1	13.4	8.1	81.9	79.8	10.7	10.6	0.009116
06:00	13.1	13.0	13.6	8.3	92.5	90.5	11.4	11.3	0.009615
07:00	12.3	12.2	13.1	8.4	86.8	84.5	10.8	10.7	0.009112
08:00	12.2	12.0	13.0	8.5	86.9	84.3	10.7	10.6	0.009055
09:00	11.8	11.6	13.1	8.6	79.4	76.8	10.4	10.3	0.008817
10:00	11.9	11.7	13.3	8.7	76.9	75.0	10.5	10.3	0.008865
11:00	11.9	11.7	13.5	8.8	75.0	73.3	10.5	10.3	0.008895
12:00	12.0	11.7	13.8	9.0	72.5	71.2	10.5	10.3	0.00896
13:00	12.0	11.7	14.0	9.2	69.2	68.4	10.5	10.3	0.008934
14:00	12.2	11.9	14.2	9.5	68.6	67.7	10.6	10.4	0.009069
15:00	12.3	12.1	14.4	9.7	67.3	66.7	10.7	10.5	0.009128
16:00	12.2	12.1	14.3	9.9	68.5	67.7	10.6	10.5	0.009082
17:00	12.4	12.3	14.2	10.1	71.6	70.5	10.7	10.7	0.009158
18:00	12.5	12.5	14.1	10.2	74.2	72.6	10.8	10.8	0.009223
19:00	12.6	12.5	13.7	10.3	81.9	74.2	10.9	10.8	0.009265
20:00	12.7	12.5	13.4	10.3	89.1	76.4	11.1	10.9	0.00935
21:00	12.3	12.5	12.6	10.3	95.7	85.4	10.9	11.0	0.009111
22:00	11.5	12.7	11.7	10.2	97.6	94.3	10.3	11.1	0.008618
23:00	11.1	12.8	11.3	10.2	97.5	98.2	10.1	11.2	0.008364
Avg	12.0	12.1	13.1	9.1	82.6	79.6	10.5	10.6	0.008923
Max	13.1	13.0	14.4	10.3	97.7	98.6	11.4	11.3	0.009615
Hr. of Max	06	06	15	21	02	01	06	06	06
Min	10.7	11.0	10.9	7.9	67.3	66.7	9.8	9.9	0.008224
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/12/2017

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	0.009071	13.0	14.2	.00	29.24	990.1	-1.9	.00	166.9
01:00	0.009033	12.9	14.2	.00	29.24	990.1	-3.1	.00	48.7
02:00	0.008869	13.1	13.9	.00	29.25	990.5	-1.7	.00	64.6
03:00	0.008481	14.2	13.3	.00	29.26	991.0	-2.0	.00	221.7
04:00	0.008408	13.5	13.2	.00	29.27	991.1	-2.4	.00	218.5
05:00	0.009004	14.3	14.1	.00	29.28	991.5	-2.7	.00	225.3
06:00	0.009537	15.1	15.0	.00	29.30	992.1	-2.4	.00	236.1
07:00	0.009045	14.3	14.2	.01	29.31	992.7	-2.2	.00	225.5
08:00	0.008958	14.3	14.1	.00	29.33	993.4	9.2	.01	219.5
09:00	0.008686	13.9	13.7	.00	29.35	994.0	37.1	.05	217.5
10:00	0.008733	14.0	13.8	.00	29.37	994.5	74.7	.11	217.1
11:00	0.008741	14.0	13.8	.00	29.36	994.4	115.2	.17	215.7
12:00	0.008759	14.1	13.8	.00	29.34	993.5	197.1	.28	207.1
13:00	0.008776	14.1	13.8	.00	29.32	993.0	178.3	.26	220.0
14:00	0.008916	14.3	14.0	.00	29.32	992.9	163.2	.23	210.1
15:00	0.009019	14.4	14.2	.00	29.32	993.0	124.8	.18	211.3
16:00	0.009012	14.3	14.2	.00	29.34	993.5	45.3	.06	215.5
17:00	0.009123	14.4	14.4	.00	29.36	994.2	2.5	.00	216.4
18:00	0.009208	14.5	14.5	.00	29.37	994.5	-3.1	.00	223.8
19:00	0.009216	14.6	14.5	.00	29.38	995.0	-2.3	.00	244.2
20:00	0.009236	14.7	14.6	.00	29.39	995.2	-2.4	.00	250.4
21:00	0.009242	14.4	14.6	.00	29.40	995.6	-2.6	.00	119.6
22:00	0.009309	13.6	14.7	.00	29.41	995.9	-1.9	.00	118.5
23:00	0.009395	13.2	14.8	.00	29.41	995.9	-2.0	.00	96.0
Avg	0.008991	14.1	14.2	.00	29.33	993.2	38.1	.06	207.0
Max	0.009537	15.1	15.0	.01	29.41	995.9	197.1	.28	250.4
Hr. of Max	06	06	06	07	23	23	12	12	20
Min	0.008408	12.9	13.2	.00	29.24	990.1	-3.1	.00	48.7
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/12/2017

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	236.5	258.4	225.3	252.9	43.2	27.7	23.1	.4	1.1
01:00	240.3	230.5	259.2	226.2	49.3	25.0	10.9	.2	1.8
02:00	24.4	227.3	36.3	222.2	48.2	41.1	37.5	.8	.1
03:00	227.3	220.8	223.4	216.4	27.5	17.8	14.8	5.3	8.8
04:00	224.1	219.0	219.5	214.8	22.4	16.3	13.4	7.0	10.3
05:00	226.9	222.5	225.6	218.6	19.5	15.8	11.9	7.2	10.4
06:00	236.3	229.5	236.2	225.3	19.8	13.4	10.5	5.8	8.8
07:00	229.0	222.3	226.8	217.9	20.0	13.5	10.7	5.9	9.2
08:00	222.7	217.9	221.2	213.7	21.2	15.2	11.4	5.6	8.7
09:00	223.5	218.0	219.0	213.9	20.7	15.5	12.2	7.0	10.1
10:00	221.3	217.6	217.8	213.8	19.2	16.4	11.9	7.9	10.9
11:00	222.0	217.8	216.0	213.7	23.3	17.8	12.7	7.3	10.4
12:00	214.1	210.6	208.5	206.4	20.4	17.1	14.3	7.3	9.7
13:00	224.6	220.6	220.1	216.5	21.8	16.8	13.7	8.5	11.4
14:00	216.2	213.1	210.0	208.9	20.9	17.0	12.9	6.5	8.9
15:00	217.9	215.0	212.2	210.6	21.3	17.9	14.2	7.8	10.1
16:00	221.6	217.6	216.6	213.4	21.5	15.9	13.0	7.2	10.1
17:00	222.5	218.4	217.8	214.4	19.2	14.9	11.0	5.2	7.5
18:00	226.9	219.9	224.8	216.0	18.1	13.0	10.0	4.1	6.4
19:00	246.9	236.6	246.4	232.5	14.1	9.7	7.5	2.8	4.8
20:00	252.7	244.5	250.5	240.2	15.3	9.9	7.2	2.9	5.4
21:00	267.5	270.5	274.2	266.0	27.8	34.5	8.8	.3	2.0
22:00	225.2	262.2	210.2	256.9	10.8	22.8	9.9	.1	1.4
23:00	224.3	240.9	147.0	236.4	28.8	9.6	6.4	.1	2.4
Avg	230.0	227.0	223.0	223.0	23.9	18.1	12.9	.0	.0
Max	267.5	270.5	274.2	266.0	49.3	41.1	37.5	8.5	11.4
Hr. of Max	21	21	21	21	01	02	02	13	13
Min	24.4	210.6	36.3	206.4	10.8	9.6	6.4	.1	.1
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)

1/12/2017

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	2.3	.8	1.5	2.5	1.3	2.6	1.6	-.5	.02
01:00	3.8	.3	2.0	3.9	.9	4.2	2.4	-1.3	.03
02:00	3.0	1.1	1.7	3.3	1.5	3.7	1.8	2.7	.03
03:00	11.8	5.8	9.3	12.2	6.3	12.8	.6	-.7	-.06
04:00	13.2	7.4	10.7	13.5	8.1	14.3	1.8	-.9	-.08
05:00	12.8	7.6	10.8	13.1	8.2	13.8	1.0	-1.1	-.08
06:00	11.2	6.1	9.0	11.4	6.5	12.0	.5	-.5	-.13
07:00	11.8	6.2	9.5	12.1	6.8	12.7	1.3	-1.3	-.03
08:00	11.7	6.0	9.0	11.9	6.5	12.5	1.5	-.8	.00
09:00	12.8	7.4	10.4	13.1	8.2	13.8	.8	-.7	-.09
10:00	13.9	8.3	11.3	14.2	8.9	14.9	1.6	-1.5	.00
11:00	13.6	7.8	10.8	14.0	8.7	14.7	.7	-2.2	-.15
12:00	12.3	7.8	10.2	12.7	8.4	13.4	1.1	-.7	-.02
13:00	14.1	9.2	11.9	14.5	10.1	15.4	.9	-1.5	-.08
14:00	11.1	7.0	9.2	11.4	7.6	12.1	.5	-.2	-.12
15:00	12.5	8.3	10.5	12.9	9.0	13.7	1.3	-.3	-.02
16:00	12.8	7.6	10.4	13.1	8.3	13.9	2.0	-.8	.02
17:00	10.0	5.5	7.8	10.1	6.0	10.7	2.0	-.4	.06
18:00	8.7	4.3	6.6	8.9	4.6	9.4	1.8	-.9	.03
19:00	6.5	2.9	4.9	6.6	3.3	7.0	-.7	-.9	-.08
20:00	7.5	3.1	5.6	7.7	3.3	8.0	-.1	-.5	-.04
21:00	4.7	.5	2.2	4.7	1.1	4.8	3.1	2.7	.05
22:00	3.6	.1	1.7	3.9	.6	4.0	2.8	.2	.05
23:00	4.4	.1	2.4	4.4	.6	4.7	3.5	.0	.05
Avg	.0	5.1	7.5	9.8	5.6	10.4	1.4	-.5	-.03
Max	14.1	9.2	11.9	14.5	10.1	15.4	3.5	2.7	.06
Hr. of Max	13	13	13	13	13	13	23	21	17
Min	2.3	.1	1.5	2.5	.6	2.6	-.7	-2.2	-.15
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/12/2017

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	-.03	4.4	4.8	8.5	9.1	7.5	13.5	14.1
01:00	-.10	2.1	4.8	7.8	10.6	5.9	13.2	14.1
02:00	.08	4.4	6.4	12.6	15.8	18.3	13.7	15.1
03:00	-.33	16.7	23.1	26.8	15.8	10.4	17.0	17.1
04:00	-.43	22.2	26.1	27.7	16.4	9.7	17.6	17.3
05:00	-.44	17.4	22.7	26.6	15.2	9.1	16.6	16.2
06:00	-.22	15.8	20.2	27.5	14.8	7.9	15.7	15.3
07:00	-.39	19.7	20.2	30.5	14.7	7.8	15.9	15.7
08:00	-.30	23.8	25.4	25.4	15.3	8.3	15.8	15.6
09:00	-.35	25.2	22.7	25.6	14.3	9.6	16.6	16.2
10:00	-.58	21.3	23.4	25.4	14.5	9.5	17.1	16.6
11:00	-.74	21.3	21.8	27.0	15.2	9.3	17.4	16.9
12:00	-.38	17.4	24.7	26.8	14.7	10.4	17.9	17.2
13:00	-.59	23.4	24.5	27.5	14.4	9.8	18.5	17.9
14:00	-.27	17.6	29.1	31.4	14.7	10.3	18.9	18.3
15:00	-.34	23.4	22.7	26.1	15.6	11.2	19.4	18.8
16:00	-.40	21.5	22.9	25.6	15.8	9.8	19.2	18.6
17:00	-.22	16.0	24.0	28.9	15.3	9.0	18.8	18.3
18:00	-.24	10.1	16.5	19.7	13.8	7.6	18.5	18.2
19:00	-.13	6.6	12.1	21.8	8.7	5.2	18.2	18.0
20:00	-.09	8.5	13.1	14.7	8.6	4.1	17.7	17.9
21:00	.21	3.0	10.3	12.8	15.5	6.0	16.0	17.1
22:00	.00	1.1	3.7	8.9	15.3	5.9	14.6	16.3
23:00	.00	1.4	5.5	10.5	8.2	3.4	14.1	16.2
Avg	-.26	14.3	17.9	21.9	13.8	8.6	16.7	16.8
Max	.21	25.2	29.1	31.4	16.4	18.3	19.4	18.8
Hr. of Max	21	09	14	14	04	02	15	15
Min	-.74	1.1	3.7	7.8	8.2	3.4	13.2	14.1
Count	24	24	24	24	24	24	24	24
Total								