Date Printed: 01/20/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

1/19/2017

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	5.8	7.7	8.3	9.1	1.87	2.46	3.25	.59	1.38
01:00	5.5	7.0	7.7	8.6	1.50	2.12	3.04	.62	1.54
02:00	5.6	6.9	7.3	7.9	1.28	1.71	2.23	.44	.96
03:00	5.1	6.8	7.0	7.2	1.62	1.83	2.11	.20	.48
04:00	4.6	6.1	6.6	7.0	1.48	1.98	2.43	.50	.95
05:00	5.3	6.3	6.6	7.0	1.02	1.32	1.69	.30	.68
06:00	6.0	6.7	6.8	6.9	.65	.74	.89	.09	.24
07:00	6.4	7.0	6.9	7.0	.54	.51	.57	-.03	.03
08:00	7.6	7.5	7.4	7.4	-.04	-.17	-.19	-.13	-.15
09:00	8.8	8.7	8.4	8.3	-.19	-.45	-.56	-.26	-.37
10:00	10.1	9.9	9.6	9.5	-.21	-.48	-.61	-.27	-.41
11:00	10.7	10.5	10.3	10.2	-.19	-.43	-.53	-.24	-.34
12:00	11.4	11.2	11.0	10.9	-.17	-.41	-.52	-.24	-.35
13:00	12.0	11.8	11.5	11.3	-.27	-.54	-.70	-.28	-.43
14:00	13.1	12.8	12.5	12.3	-.31	-.58	-.80	-.28	-.49
15:00	13.3	13.1	12.8	12.7	-.26	-.53	-.66	-.27	-.40
16:00	13.0	13.0	12.9	12.8	.00	-.17	-.25	-.17	-.25
17:00	12.5	12.7	12.5	12.5	.17	.03	-.03	-.14	-.20
18:00	12.0	12.2	12.1	12.1	.21	.10	.07	-.11	-.14
19:00	11.8	12.0	11.9	11.9	.23	.13	.10	-.11	-.13
20:00	11.6	11.9	11.8	11.8	.30	.24	.24	-.06	-.06
21:00	11.1	11.4	11.3	11.4	.29	.24	.26	-.06	-.03
22:00	10.9	11.3	11.4	11.5	.46	.48	.60	.02	.14
23:00	10.3	10.9	11.0	11.3	.58	.75	1.01	.17	.43
Avg	9.4	9.8	9.8	9.9	.44	.45	.57	.01	.13
Max	13.3	13.1	12.9	12.8	1.87	2.46	3.25	.62	1.54
Hr. of Max	15	15	16	16	00	00	00	01	01
Min	4.6	6.1	6.6	6.9	-.31	-.58	-.80	-.28	-.49
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/19/2017

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	4.6	4.9	5.0	11.6	92.6	83.2	6.6	6.7	0.005386
01:00	4.4	4.8	4.8	11.4	93.1	86.4	6.5	6.7	0.005313
02:00	4.4	4.4	4.8	11.3	92.3	85.1	6.5	6.5	0.005298
03:00	4.0	4.2	4.4	11.1	92.9	84.6	6.3	6.4	0.005154
04:00	3.7	4.1	4.0	10.9	94.9	88.1	6.2	6.4	0.00507
05:00	4.2	4.1	4.6	10.8	93.8	86.7	6.4	6.4	0.005254
06:00	4.6	4.1	5.1	10.6	91.3	84.1	6.6	6.3	0.005394
07:00	5.0	4.2	5.5	10.5	91.4	83.1	6.8	6.4	0.005552
08:00	4.9	4.2	5.8	10.4	83.7	80.0	6.7	6.4	0.005502
09:00	4.8	4.3	6.2	10.4	76.7	74.9	6.6	6.4	0.005494
10:00	4.9	4.4	6.6	10.4	70.9	69.6	6.6	6.4	0.005522
11:00	5.0	4.6	6.9	10.4	68.4	67.4	6.7	6.5	0.005561
12:00	5.4	4.9	7.4	10.5	67.2	65.9	6.8	6.6	0.005722
13:00	5.8	5.4	7.9	10.6	66.4	65.6	7.0	6.8	0.005905
14:00	5.9	5.5	8.3	10.7	62.5	61.9	7.1	6.9	0.005969
15:00	6.4	6.0	8.7	10.9	63.6	62.8	7.3	7.1	0.006172
16:00	6.9	6.5	8.9	11.0	67.0	65.4	7.6	7.4	0.006382
17:00	7.2	6.8	9.0	11.2	71.1	68.4	7.7	7.5	0.006537
18:00	7.3	6.9	8.8	11.2	73.5	70.7	7.8	7.6	0.006557
19:00	7.6	7.1	9.0	11.2	76.3	72.9	7.9	7.7	0.006694
20:00	7.9	7.5	9.1	11.2	79.1	75.4	8.1	7.9	0.006843
21:00	8.5	8.0	9.3	11.2	84.8	80.8	8.5	8.2	0.007128
22:00	8.6	8.1	9.3	11.2	86.8	81.3	8.5	8.2	0.007186
23:00	9.0	8.5	9.4	11.2	92.9	86.2	8.8	8.5	0.007397
Avg	5.9	5.6	7.0	10.9	80.6	76.3	7.2	7.0	0.005958
Max	9.0	8.5	9.4	11.6	94.9	88.1	8.8	8.5	0.007397
Hr. of Max	23	23	23	00	04	04	23	23	23
Min	3.7	4.1	4.0	10.4	62.5	61.9	6.2	6.3	0.00507
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/19/2017

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	0.0055	8.5	8.7	.00	29.18	988.3	-2.4	.00	231.5
01:00	0.005471	8.4	8.6	.00	29.18	988.2	-2.1	.00	97.9
02:00	0.005337	8.3	8.4	.00	29.18	988.3	-2.7	.00	64.9
03:00	0.005252	8.1	8.3	.00	29.18	988.1	-2.1	.00	42.5
04:00	0.005214	8.0	8.2	.00	29.17	987.8	-2.6	.00	66.6
05:00	0.005215	8.3	8.2	.00	29.15	987.2	-2.7	.00	75.8
06:00	0.005197	8.5	8.2	.00	29.15	987.1	-2.3	.00	83.0
07:00	0.005239	8.7	8.2	.00	29.15	987.2	.6	.00	62.2
08:00	0.005242	8.7	8.2	.00	29.14	987.0	47.6	.07	56.5
09:00	0.005299	8.6	8.3	.00	29.14	986.9	116.7	.17	62.4
10:00	0.005342	8.7	8.4	.00	29.14	986.8	117.0	.17	78.4
11:00	0.005405	8.7	8.5	.00	29.13	986.6	92.2	.13	78.1
12:00	0.005553	9.0	8.7	.00	29.11	985.7	89.6	.13	87.7
13:00	0.00573	9.3	9.0	.00	29.08	984.6	157.9	.23	74.6
14:00	0.005792	9.3	9.1	.00	29.04	983.6	255.9	.37	80.7
15:00	0.00599	9.7	9.4	.00	29.02	982.7	121.9	.17	65.7
16:00	0.006229	10.0	9.7	.00	29.00	982.1	45.1	.06	64.4
17:00	0.006363	10.2	9.9	.00	28.99	981.6	7.6	.01	64.3
18:00	0.006392	10.2	10.0	.00	28.97	981.1	-2.0	.00	63.0
19:00	0.006493	10.4	10.1	.00	28.95	980.5	-2.5	.00	68.3
20:00	0.006655	10.7	10.4	.00	28.94	980.0	-2.2	.00	60.6
21:00	0.006924	11.1	10.8	.00	28.93	979.7	-3.4	.00	61.5
22:00	0.006945	11.2	10.8	.00	28.92	979.3	-2.6	.00	92.6
23:00	0.007129	11.5	11.1	.02	28.90	978.7	-1.8	.00	176.9
Avg	0.00583	9.3	9.1	.00	29.07	984.5	42.5	.06	74.0
Max	0.007129	11.5	11.1	.02	29.18	988.3	255.9	.37	231.5
Hr. of Max	23	23	23	23	03	02	14	14	00
Min	0.005197	8.0	8.2	.00	28.90	978.7	-3.4	.00	42.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/19/2017

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	61.7	36.2	251.6	26.5	42.4	39.6	16.4	.5	.7
01:00	70.4	41.1	80.7	30.6	26.6	33.6	10.2	.9	1.7
02:00	59.8	60.4	57.8	51.7	11.5	7.2	3.7	1.8	4.7
03:00	51.8	92.9	351.3	84.1	47.4	55.4	29.4	.7	2.2
04:00	53.5	56.8	50.8	48.1	20.1	7.5	3.1	1.2	2.7
05:00	54.4	56.4	70.1	47.5	23.0	10.1	4.5	1.4	4.3
06:00	58.6	56.6	20.9	47.8	40.8	23.0	6.6	.7	2.6
07:00	50.7	60.8	42.2	52.3	18.4	13.3	9.1	1.1	2.7
08:00	54.7	62.2	44.2	53.5	19.1	12.6	10.6	2.2	4.6
09:00	58.4	58.0	52.4	49.1	26.0	17.7	10.3	2.9	5.4
10:00	69.6	68.6	73.4	60.4	22.5	22.9	18.2	2.3	3.1
11:00	74.9	70.1	66.8	60.7	26.3	20.1	18.4	1.5	2.1
12:00	81.1	68.7	81.5	58.8	21.1	26.9	27.4	1.5	1.8
13:00	65.8	62.6	68.4	54.0	26.4	23.7	17.3	3.0	3.8
14:00	66.8	61.5	77.5	53.0	20.4	23.5	19.9	3.8	4.0
15:00	63.5	60.3	59.8	50.9	23.8	14.9	10.5	3.5	6.0
16:00	59.9	58.1	56.7	49.2	23.5	14.9	9.8	2.9	5.8
17:00	60.0	57.8	56.2	48.9	19.9	12.7	9.5	3.0	5.6
18:00	60.2	57.7	57.5	48.9	19.6	13.3	8.7	2.9	5.6
19:00	64.0	59.4	62.3	50.5	19.6	12.5	8.0	2.6	5.4
20:00	61.3	61.3	52.7	52.5	22.1	13.7	8.6	3.0	6.2
21:00	61.3	62.0	56.4	53.2	23.4	13.2	7.9	2.8	5.7
22:00	95.2	50.8	46.1	43.3	44.2	45.5	57.9	.3	1.9
23:00	194.6	136.8	243.2	128.7	42.8	50.7	39.2	1.2	1.5
Avg	65.0	62.0	55.0	53.0	26.3	22.0	15.2	.0	.0
Max	194.6	136.8	351.3	128.7	47.4	55.4	57.9	3.8	6.2
Hr. of Max	23	23	03	23	03	03	22	14	20
Min	50.7	36.2	20.9	26.5	11.5	7.2	3.1	.3	.7
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/19/2017

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	2.0	1.4	1.1	2.2	1.7	2.4	.8	1.6	.00
01:00	3.2	1.1	1.9	3.4	1.3	3.6	1.2	1.5	.00
02:00	7.2	1.9	4.8	7.2	2.0	7.5	-1.9	.3	-.08
03:00	4.1	1.6	2.5	4.6	2.0	4.8	-1.6	.4	-.11
04:00	4.8	1.3	2.8	4.9	1.5	5.0	.1	.8	-.02
05:00	6.7	1.5	4.4	6.7	1.8	6.9	.2	.5	-.03
06:00	4.1	1.1	2.7	4.2	1.5	4.4	-1.5	-.4	-.10
07:00	3.8	1.2	2.8	3.9	1.5	4.1	-1.8	.9	-.07
08:00	5.9	2.3	4.7	6.0	2.5	6.2	-2.4	2.3	-.19
09:00	6.9	3.1	5.6	7.0	3.4	7.4	2.6	-.4	-.03
10:00	3.9	2.5	3.4	4.1	2.9	4.5	6.9	7.3	.24
11:00	2.6	1.7	2.3	2.8	2.0	3.1	-.2	-3.1	-.07
12:00	2.2	1.6	1.9	2.3	2.1	2.7	2.9	2.4	.08
13:00	4.5	3.3	4.1	4.8	3.8	5.2	2.8	7.7	.10
14:00	4.8	4.0	4.3	5.1	4.5	5.5	-.6	8.3	-.10
15:00	6.9	4.0	6.3	7.2	4.4	7.5	.5	1.4	-.08
16:00	7.6	3.2	5.9	7.7	3.6	8.0	-.1	1.4	-.17
17:00	7.1	3.2	5.7	7.2	3.4	7.5	-.7	.5	-.18
18:00	7.9	3.0	5.8	8.0	3.2	8.3	-1.1	.9	-.20
19:00	7.5	2.8	5.5	7.5	3.1	7.9	.9	1.1	-.03
20:00	8.5	3.2	6.3	8.6	3.6	9.0	-.9	.6	-.21
21:00	8.2	3.0	5.8	8.2	3.2	8.5	.1	.0	-.15
22:00	3.1	1.3	2.4	3.5	1.7	3.8	-.1	.2	-.07
23:00	1.2	1.7	2.1	2.5	2.2	2.8	.4	2.4	.01
Avg	.0	2.3	4.0	5.4	2.6	5.7	.3	1.6	-.06
Max	8.5	4.0	6.3	8.6	4.5	9.0	6.9	8.3	.24
Hr. of Max	20	15	20	20	14	20	10	14	10
Min	1.2	1.1	1.1	2.2	1.3	2.4	-2.4	-3.1	-.21
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/19/2017

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	.07	3.2	6.2	9.6	6.0	5.2	8.0	9.1
01:00	.08	3.4	5.3	6.6	6.6	3.6	7.4	8.7
02:00	.04	6.0	10.5	13.3	10.8	2.6	7.2	7.9
03:00	.06	8.7	16.0	26.6	14.2	10.8	7.1	7.3
04:00	.05	3.9	7.6	8.9	7.7	2.1	6.4	7.1
05:00	.06	4.8	9.4	14.4	16.3	2.9	6.6	7.0
06:00	.00	5.5	14.7	18.1	14.5	5.5	7.0	7.0
07:00	.06	5.0	6.9	8.2	13.7	5.5	7.3	7.1
08:00	.16	8.0	10.1	12.6	18.6	9.1	7.9	7.4
09:00	-.10	11.2	12.4	13.3	23.5	8.5	9.1	8.3
10:00	.42	7.8	10.8	11.2	21.7	18.5	10.3	9.5
11:00	-.13	4.6	4.6	5.3	21.3	12.8	10.9	10.2
12:00	.15	4.6	5.0	5.0	22.0	18.6	11.6	10.9
13:00	.50	7.8	9.4	8.9	17.9	15.4	12.2	11.4
14:00	.70	9.2	11.2	11.2	16.3	17.3	13.2	12.4
15:00	.08	8.9	11.4	16.9	17.0	9.4	13.5	12.8
16:00	.10	8.5	13.1	18.1	18.5	7.7	13.5	12.9
17:00	-.02	9.2	11.0	11.9	18.0	8.1	13.1	12.6
18:00	.07	8.5	11.7	14.0	17.6	7.3	12.7	12.2
19:00	.11	8.0	11.7	13.7	16.5	6.4	12.5	12.0
20:00	.04	9.2	12.1	12.6	18.3	7.1	12.4	12.0
21:00	-.05	7.8	11.9	17.2	19.5	6.5	12.0	11.6
22:00	.00	4.8	10.8	14.0	13.6	10.5	11.9	11.7
23:00	.08	6.9	8.9	9.8	10.4	16.0	11.4	11.6
Avg	.11	6.9	10.1	12.6	15.9	9.1	10.2	10.0
Max	.70	11.2	16.0	26.6	23.5	18.6	13.5	12.9
Hr. of Max	14	09	03	03	09	12	16	16
Min	-.13	3.2	4.6	5.0	6.0	2.1	6.4	7.0
Count	24	24	24	24	24	24	24	24
Total								