Date Printed: 01/17/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

1/16/2017

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	11.6	13.0	13.2	13.4	1.31	1.53	1.75	.21	.44
01:00	11.1	12.4	12.7	12.9	1.25	1.56	1.84	.31	.59
02:00	11.9	12.6	12.7	12.8	.73	.82	.91	.09	.17
03:00	12.7	12.9	12.8	12.8	.24	.16	.10	-.08	-.14
04:00	12.8	12.9	12.8	12.7	.15	.04	-.04	-.11	-.19
05:00	12.8	12.8	12.7	12.7	.03	-.04	-.09	-.07	-.12
06:00	12.7	12.7	12.7	12.6	.02	-.05	-.09	-.07	-.11
07:00	12.5	12.6	12.5	12.5	.03	-.03	-.07	-.06	-.10
08:00	12.5	12.5	12.4	12.4	-.02	-.08	-.13	-.07	-.11
09:00	12.5	12.4	12.3	12.3	-.12	-.22	-.27	-.10	-.15
10:00	13.0	12.8	12.6	12.5	-.17	-.40	-.48	-.24	-.31
11:00	13.8	13.4	13.0	13.0	-.33	-.79	-.78	-.46	-.46
12:00	14.7	14.4	13.6	13.8	-.21	-1.10	-.85	-.89	-.65
13:00	15.1	14.9	14.6	14.2	-.14	-.51	-.91	-.38	-.77
14:00	15.9	15.6	15.4	14.8	-.21	-.41	-1.01	-.20	-.80
15:00	16.1	16.0	15.8	15.7	-.09	-.29	-.39	-.20	-.30
16:00	15.9	16.0	15.8	15.8	.06	-.10	-.16	-.16	-.22
17:00	14.7	15.5	15.6	15.6	.85	.87	.88	.02	.02
18:00	13.1	14.5	14.8	15.1	1.40	1.74	2.01	.34	.61
19:00	12.4	13.8	14.3	14.5	1.41	1.90	2.17	.49	.76
20:00	11.2	12.8	13.3	14.1	1.64	2.09	2.89	.46	1.25
21:00	10.9	12.3	12.8	14.0	1.38	1.85	3.06	.47	1.68
22:00	11.2	12.2	12.8	14.3	.93	1.56	3.09	.63	2.16
23:00	11.2	12.2	12.7	14.5	1.02	1.56	3.37	.53	2.35
Avg	13.0	13.5	13.5	13.7	.47	.49	.70	.02	.23
Max	16.1	16.0	15.8	15.8	1.64	2.09	3.37	.63	2.35
Hr. of Max	15	16	16	16	20	20	23	22	23
Min	10.9	12.2	12.3	12.3	-.33	-1.10	-1.01	-.89	-.80
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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1/16/2017

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	11.1	12.5	11.3	12.3	97.6	98.6	10.1	11.0	0.008387
01:00	10.5	12.0	10.7	12.2	97.5	98.8	9.7	10.6	0.008089
02:00	11.3	12.2	11.5	12.1	97.6	98.9	10.2	10.8	0.008516
03:00	12.1	12.5	12.3	12.0	97.8	98.7	10.7	11.0	0.009001
04:00	12.2	12.5	12.4	12.0	97.9	98.7	10.8	11.0	0.009061
05:00	12.2	12.4	12.4	11.9	97.8	98.9	10.8	10.9	0.009054
06:00	12.1	12.4	12.3	11.9	97.7	99.1	10.7	10.9	0.009004
07:00	12.0	12.2	12.2	11.9	97.7	99.2	10.6	10.8	0.008899
08:00	11.9	12.1	12.1	11.9	97.8	99.2	10.6	10.7	0.008865
09:00	12.0	12.1	12.2	11.9	97.9	99.2	10.7	10.7	0.008904
10:00	12.4	12.4	12.6	11.9	98.1	99.0	11.0	10.9	0.009167
11:00	12.7	12.7	13.0	11.9	94.7	97.1	11.1	11.2	0.009323
12:00	12.1	12.2	13.0	12.0	86.2	88.0	10.7	10.8	0.009006
13:00	11.8	11.9	12.9	12.2	82.4	83.4	10.5	10.5	0.008847
14:00	11.6	11.4	13.0	12.3	76.8	76.9	10.2	10.1	0.008687
15:00	11.6	11.4	13.1	12.4	76.1	75.3	10.3	10.1	0.008731
16:00	11.9	11.7	13.2	12.5	78.2	76.9	10.5	10.3	0.00889
17:00	12.2	12.0	13.0	12.6	86.2	80.8	10.7	10.6	0.009051
18:00	11.9	12.1	12.3	12.6	93.4	86.6	10.5	10.6	0.008853
19:00	11.6	12.3	11.9	12.6	96.7	92.1	10.4	10.8	0.008726
20:00	10.7	12.2	10.8	12.5	97.7	97.2	9.8	10.8	0.008166
21:00	10.4	11.9	10.6	12.4	97.7	98.6	9.6	10.6	0.008026
22:00	10.7	11.7	10.9	12.3	97.7	98.5	9.8	10.5	0.008198
23:00	10.6	11.7	10.8	12.2	97.8	98.5	9.8	10.5	0.008164
Avg	11.7	12.1	12.1	12.2	93.2	93.3	10.4	10.7	0.008734
Max	12.7	12.7	13.2	12.6	98.1	99.2	11.1	11.2	0.009323
Hr. of Max	11	11	16	19	10	09	11	11	11
Min	10.4	11.4	10.6	11.9	76.1	75.3	9.6	10.1	0.008026
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/16/2017

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	0.009232	13.2	14.5	.00	29.33	993.1	-2.8	.00	49.6
01:00	0.008899	12.7	14.0	.00	29.33	993.2	-1.5	.00	72.7
02:00	0.009049	13.4	14.2	.00	29.32	993.0	-2.7	.00	61.2
03:00	0.009225	14.2	14.5	.00	29.32	993.1	-2.5	.00	58.9
04:00	0.009222	14.3	14.5	.00	29.33	993.1	-2.3	.00	51.3
05:00	0.009175	14.3	14.4	.00	29.34	993.4	-2.4	.00	57.3
06:00	0.00914	14.2	14.4	.00	29.35	993.9	-2.6	.00	81.3
07:00	0.009049	14.0	14.3	.00	29.36	994.3	-1.5	.00	65.0
08:00	0.00899	14.0	14.2	.00	29.37	994.6	15.4	.02	81.9
09:00	0.008949	14.0	14.1	.00	29.39	995.2	55.4	.08	81.1
10:00	0.009153	14.5	14.4	.00	29.40	995.6	103.7	.15	66.8
11:00	0.009363	14.7	14.8	.00	29.39	995.3	180.8	.26	52.3
12:00	0.009069	14.2	14.3	.00	29.37	994.5	155.3	.22	94.4
13:00	0.008883	13.9	14.0	.00	29.33	993.2	108.0	.15	76.1
14:00	0.008579	13.7	13.5	.00	29.31	992.4	185.3	.27	107.8
15:00	0.008589	13.7	13.5	.00	29.29	992.0	77.8	.11	160.4
16:00	0.008783	14.0	13.8	.00	29.28	991.6	70.4	.10	85.3
17:00	0.008965	14.2	14.1	.00	29.28	991.7	16.8	.02	44.3
18:00	0.008978	13.9	14.1	.00	29.28	991.7	-2.3	.00	54.9
19:00	0.009117	13.7	14.3	.00	29.28	991.6	-1.8	.00	71.7
20:00	0.009048	12.8	14.2	.00	29.28	991.6	-3.0	.00	86.3
21:00	0.008879	12.6	14.0	.00	29.27	991.3	-3.7	-.01	71.2
22:00	0.00879	12.9	13.8	.00	29.25	990.7	-2.1	.00	75.3
23:00	0.008799	12.8	13.8	.00	29.25	990.5	-2.7	.00	97.8
Avg	0.008997	13.7	14.2	.00	29.32	992.9	39.0	.06	74.0
Max	0.009363	14.7	14.8	.00	29.40	995.6	185.3	.27	160.4
Hr. of Max	11	11	11	23	10	10	14	14	15
Min	0.008579	12.6	13.5	.00	29.25	990.5	-3.7	-.01	44.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/16/2017

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	51.1	52.3	30.9	42.4	21.5	13.4	8.1	1.5	2.8
01:00	62.9	63.5	62.4	54.5	26.6	18.1	6.5	1.2	3.1
02:00	56.3	59.3	49.3	50.1	17.0	12.8	8.5	2.0	4.5
03:00	53.9	58.2	46.8	49.1	17.3	12.0	9.8	1.8	4.1
04:00	46.9	50.2	36.7	40.5	21.0	11.6	7.9	1.8	4.3
05:00	51.7	52.6	45.8	43.1	19.6	12.5	8.0	2.2	4.4
06:00	83.7	81.4	75.4	72.3	17.0	14.0	11.3	3.1	4.4
07:00	60.0	62.6	55.7	53.7	21.7	17.2	12.2	2.0	4.0
08:00	80.1	75.4	77.0	66.6	18.1	20.0	14.3	2.5	3.6
09:00	77.1	74.5	75.4	65.1	18.8	16.4	14.0	2.4	3.1
10:00	49.3	50.1	59.5	42.2	30.5	25.7	17.1	1.5	2.2
11:00	47.3	46.3	40.7	36.4	33.5	31.1	19.9	1.3	1.8
12:00	130.5	90.5	91.3	87.4	21.0	61.3	57.4	.6	.3
13:00	65.2	58.0	59.5	51.0	21.6	42.5	52.9	.7	.6
14:00	150.5	171.7	140.8	188.1	33.7	65.8	52.6	.5	.5
15:00	189.5	183.5	186.5	177.6	33.7	33.2	30.9	1.0	1.4
16:00	63.8	73.6	66.0	65.1	18.6	29.5	16.3	.9	1.6
17:00	48.3	59.6	5.9	51.1	23.4	21.7	14.3	.8	1.7
18:00	53.8	63.2	15.0	53.6	44.7	16.0	8.6	.7	1.8
19:00	50.0	65.4	45.2	55.9	16.6	15.1	12.4	.5	1.3
20:00	68.3	58.5	327.5	43.1	62.0	50.2	31.2	.1	.6
21:00	57.3	69.2	45.9	62.9	10.7	12.8	16.6	.6	1.5
22:00	36.4	110.8	59.9	95.1	13.9	21.0	43.0	.7	1.4
23:00	139.1	268.8	229.2	263.3	4.6	51.2	12.3	.2	.3
Avg	69.0	69.0	54.0	59.0	23.6	26.0	20.3	.0	.0
Max	189.5	268.8	327.5	263.3	62.0	65.8	57.4	3.1	4.5
Hr. of Max	15	23	20	23	20	14	12	06	02
Min	36.4	46.3	5.9	36.4	4.6	11.6	6.5	.1	.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/16/2017

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	4.1	1.7	3.0	4.3	1.9	4.5	-3.6	.5	-.15
01:00	4.8	1.4	3.3	4.9	1.7	5.0	-1.8	.3	-.07
02:00	6.1	2.1	4.7	6.2	2.3	6.4	-1.2	.0	-.11
03:00	5.4	1.9	4.1	5.4	2.2	5.7	-3.0	.2	-.19
04:00	5.4	2.0	4.4	5.4	2.2	5.7	-.7	-.1	-.13
05:00	5.6	2.4	4.5	5.7	2.5	5.9	2.2	-.1	-.08
06:00	5.1	3.2	4.5	5.2	3.5	5.5	.4	1.3	-.06
07:00	5.0	2.1	4.2	5.2	2.4	5.4	1.1	1.5	-.03
08:00	4.4	2.6	3.8	4.6	2.9	4.8	2.0	1.7	.01
09:00	3.3	2.6	3.4	3.6	2.9	3.8	2.2	1.0	.04
10:00	2.9	1.7	2.4	3.0	2.1	3.3	7.5	11.4	.18
11:00	2.2	1.7	2.1	2.3	2.0	2.7	2.7	.5	.02
12:00	.2	.6	.5	.5	1.2	1.1	7.6	1.9	.24
13:00	.6	.8	.9	.9	1.3	1.3	-2.5	-5.3	-.07
14:00	.4	.7	.6	.6	1.3	1.1	-1.0	-9.0	.03
15:00	1.6	1.2	1.6	1.9	1.7	2.2	1.6	-3.2	.03
16:00	2.1	.9	1.7	2.2	1.2	2.4	-.8	-.9	-.03
17:00	2.0	1.0	2.1	2.2	1.4	2.4	.3	1.2	-.01
18:00	2.4	.9	2.0	2.6	1.4	2.8	3.6	1.5	.08
19:00	1.7	.6	1.4	1.9	.9	2.1	3.9	1.7	.07
20:00	1.1	.5	.8	1.2	1.1	1.5	2.2	-.4	.04
21:00	1.2	.6	1.6	1.3	.9	1.5	1.6	-1.1	.03
22:00	.1	.7	1.6	.9	1.1	1.2	2.2	-.2	.03
23:00	3.4	.2	.6	3.5	.6	3.7	1.9	.7	.03
Avg	.0	1.4	2.5	3.1	1.8	3.4	1.2	.2	.00
Max	6.1	3.2	4.7	6.2	3.5	6.4	7.6	11.4	.24
Hr. of Max	02	06	02	02	06	02	12	10	12
Min	.1	.2	.5	.5	.6	1.1	-3.6	-9.0	-.19
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/16/2017

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	.04	4.6	5.7	7.8	9.4	3.5	13.7	13.9
01:00	.03	3.2	7.3	8.9	9.3	2.6	13.1	13.4
02:00	-.02	6.4	10.8	12.6	14.5	5.0	13.4	13.3
03:00	-.02	5.5	8.5	14.7	15.3	7.6	13.7	13.3
04:00	-.04	5.5	7.3	13.3	16.7	6.1	13.7	13.2
05:00	-.06	6.2	9.2	9.2	20.2	6.7	13.6	13.2
06:00	.11	6.4	8.7	8.5	13.8	8.9	13.5	13.1
07:00	.08	6.4	9.8	13.7	19.2	9.9	13.4	13.0
08:00	.08	13.1	11.9	14.0	16.0	10.3	13.3	12.9
09:00	.06	6.2	9.2	9.2	16.8	9.9	13.3	12.8
10:00	.61	4.6	7.6	8.7	25.1	15.9	13.7	13.1
11:00	.12	5.5	4.8	4.4	27.9	21.2	14.4	13.7
12:00	.04	2.3	3.2	3.0	28.9	36.0	15.3	14.8
13:00	-.12	2.7	2.7	2.5	23.3	22.4	15.7	15.1
14:00	-.28	3.0	3.0	3.0	30.1	30.7	16.4	15.8
15:00	-.13	3.7	3.7	3.7	19.2	16.0	16.7	16.1
16:00	.01	3.7	4.6	4.8	15.4	11.8	16.8	16.2
17:00	.06	2.5	3.9	5.3	10.9	4.9	16.3	16.0
18:00	.07	4.1	5.5	6.0	9.2	2.6	15.2	15.6
19:00	.06	3.0	4.1	5.0	9.1	4.7	14.5	15.0
20:00	.04	4.8	3.2	3.2	10.9	20.3	13.6	14.6
21:00	-.02	1.8	4.1	3.9	9.5	10.7	13.0	14.6
22:00	.01	2.1	3.2	3.0	8.6	12.0	12.9	14.9
23:00	.03	3.0	2.7	6.2	7.5	4.7	12.9	15.1
Avg	.03	4.6	6.0	7.3	16.1	11.9	14.3	14.3
Max	.61	13.1	11.9	14.7	30.1	36.0	16.8	16.2
Hr. of Max	10	08	08	03	14	12	16	16
Min	-.28	1.8	2.7	2.5	7.5	2.6	12.9	12.8
Count	24	24	24	24	24	24	24	24
Total								