Date Printed: 05/11/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/10/2017

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	15.5	18.5	19.7	20.9	2.98	4.25	5.39	1.27	2.41
01:00	14.8	17.3	18.3	19.9	2.59	3.58	5.18	.99	2.59
02:00	14.1	16.4	17.4	19.1	2.34	3.30	5.04	.96	2.70
03:00	14.1	15.6	16.3	17.8	1.48	2.20	3.63	.73	2.15
04:00	13.8	15.4	15.8	16.9	1.57	2.01	3.13	.44	1.56
05:00	13.0	14.6	15.1	16.0	1.59	2.10	3.02	.51	1.43
06:00	12.6	14.1	14.7	15.7	1.59	2.16	3.15	.56	1.55
07:00	13.6	14.5	15.1	15.6	.95	1.52	2.04	.57	1.10
08:00	17.4	17.4	17.2	17.4	-.05	-.20	-.02	-.15	.03
09:00	20.9	20.4	20.1	20.0	-.46	-.73	-.83	-.26	-.37
10:00	23.5	22.9	22.5	22.4	-.62	-.96	-1.10	-.35	-.49
11:00	25.2	24.5	24.2	24.0	-.67	-1.02	-1.14	-.35	-.48
12:00	26.7	25.9	25.5	25.4	-.84	-1.21	-1.33	-.37	-.49
13:00	27.5	26.8	26.4	26.3	-.78	-1.13	-1.26	-.35	-.48
14:00	28.1	27.3	27.0	26.9	-.78	-1.11	-1.18	-.33	-.40
15:00	28.7	28.0	27.6	27.5	-.76	-1.08	-1.23	-.32	-.47
16:00	28.7	28.2	27.8	27.7	-.49	-.88	-1.02	-.39	-.54
17:00	28.5	28.2	27.9	27.7	-.29	-.65	-.88	-.36	-.59
18:00	27.9	27.9	27.6	27.5	-.04	-.31	-.43	-.27	-.39
19:00	26.1	26.8	26.8	26.8	.72	.68	.77	-.04	.05
20:00	22.6	24.6	25.4	25.8	2.03	2.79	3.18	.77	1.16
21:00	20.4	23.3	23.9	24.5	2.82	3.43	4.09	.61	1.27
22:00	19.0	21.9	22.7	23.6	2.88	3.66	4.58	.79	1.71
23:00	18.1	20.9	21.7	22.7	2.82	3.66	4.63	.84	1.81
Avg	20.9	21.7	21.9	22.4	.86	1.09	1.56	.23	.70
Max	28.7	28.2	27.9	27.7	2.98	4.25	5.39	1.27	2.70
Hr. of Max	16	17	17	17	00	00	00	00	02
Min	12.6	14.1	14.7	15.6	-.84	-1.21	-1.33	-.39	-.59
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/10/2017

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	12.8	12.7	13.7	18.4	85.4	70.3	11.1	11.0	0.009494
01:00	12.7	12.9	13.4	18.3	88.6	76.3	11.0	11.1	0.009408
02:00	12.5	13.1	13.0	18.2	91.8	82.4	11.0	11.3	0.009313
03:00	12.7	13.3	13.2	18.1	92.5	87.4	11.1	11.5	0.009431
04:00	12.7	13.5	13.0	18.0	94.3	90.1	11.1	11.6	0.009398
05:00	12.1	13.7	12.4	17.9	95.9	95.8	10.7	11.8	0.009078
06:00	11.8	13.6	12.1	17.7	96.7	98.3	10.5	11.8	0.008882
07:00	12.7	13.5	13.0	17.6	95.8	95.0	11.1	11.7	0.009412
08:00	14.1	13.1	15.2	17.5	82.4	77.3	12.0	11.3	0.010349
09:00	14.8	14.0	16.8	17.4	69.8	67.8	12.5	11.8	0.010866
10:00	15.3	14.4	18.1	17.4	61.7	60.1	12.8	12.1	0.011264
11:00	15.3	14.2	18.6	17.5	55.5	53.9	12.7	11.9	0.011238
12:00	15.0	13.8	18.9	17.7	49.9	48.4	12.4	11.5	0.011048
13:00	14.3	13.0	18.7	18.1	45.4	43.7	11.9	11.0	0.010587
14:00	13.7	12.5	18.5	18.5	42.2	41.0	11.4	10.6	0.010181
15:00	13.8	12.5	18.7	18.9	41.0	39.4	11.5	10.6	0.010253
16:00	13.8	12.7	18.7	19.2	41.0	39.3	11.5	10.7	0.010254
17:00	14.5	13.6	19.2	19.4	43.5	41.7	12.0	11.4	0.010761
18:00	15.1	14.5	19.4	19.6	46.9	45.1	12.5	12.0	0.011178
19:00	16.1	15.3	19.4	19.7	55.8	50.5	13.4	12.7	0.0119
20:00	16.6	15.8	18.6	19.7	70.6	59.4	13.9	13.1	0.012247
21:00	16.2	15.9	17.6	19.7	78.2	64.9	13.6	13.3	0.011886
22:00	15.9	15.9	17.0	19.7	84.0	70.1	13.5	13.3	0.011685
23:00	15.7	15.8	16.5	19.6	87.5	74.3	13.3	13.3	0.011483
Avg	14.2	13.9	16.4	18.5	70.7	65.5	12.0	11.8	0.010483
Max	16.6	15.9	19.4	19.7	96.7	98.3	13.9	13.3	0.012247
Hr. of Max	20	22	19	22	06	06	20	23	20
Min	11.8	12.5	12.1	17.4	41.0	39.3	10.5	10.6	0.008882
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/10/2017

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	0.009451	14.8	14.7	.00	29.09	985.0	-2.0	.00	144.9
01:00	0.009549	14.7	14.9	.00	29.09	985.3	-2.1	.00	116.4
02:00	0.00972	14.5	15.2	.00	29.10	985.3	-2.5	.00	156.4
03:00	0.009808	14.7	15.3	.00	29.10	985.5	-1.9	.00	91.4
04:00	0.009941	14.7	15.5	.00	29.10	985.6	-2.6	.00	66.6
05:00	0.01005	14.2	15.7	.00	29.12	986.1	-2.8	.00	65.7
06:00	0.01002	13.9	15.6	.00	29.14	986.7	2.2	.00	65.0
07:00	0.009902	14.7	15.5	.00	29.15	987.2	85.7	.12	75.8
08:00	0.009681	16.2	15.1	.00	29.15	987.2	327.6	.47	148.0
09:00	0.010263	16.9	16.0	.00	29.15	987.2	543.0	.78	223.0
10:00	0.010576	17.6	16.5	.00	29.15	987.3	724.5	1.04	211.7
11:00	0.010468	17.5	16.3	.00	29.14	987.0	853.0	1.22	202.5
12:00	0.010213	17.2	15.9	.00	29.13	986.6	949.6	1.36	229.6
13:00	0.009728	16.5	15.2	.00	29.12	986.0	905.5	1.30	212.5
14:00	0.009431	15.9	14.7	.00	29.10	985.5	965.3	1.38	212.1
15:00	0.009421	16.0	14.7	.00	29.08	984.9	866.7	1.24	210.5
16:00	0.009553	16.0	14.9	.00	29.06	984.3	644.2	.92	211.6
17:00	0.01015	16.7	15.8	.00	29.06	984.1	447.3	.64	204.8
18:00	0.010736	17.4	16.7	.00	29.05	983.8	273.4	.39	195.4
19:00	0.011277	18.5	17.5	.00	29.04	983.5	103.4	.15	231.7
20:00	0.011631	19.0	18.1	.00	29.05	983.8	8.2	.01	250.7
21:00	0.011727	18.5	18.2	.00	29.06	984.2	-3.1	.00	289.6
22:00	0.011653	18.2	18.1	.00	29.07	984.6	-3.2	.00	304.8
23:00	0.011629	17.8	18.1	.00	29.08	984.7	-1.9	.00	247.5
Avg	0.010274	16.3	16.0	.00	29.10	985.5	319.9	.46	193.0
Max	0.011727	19.0	18.2	.00	29.15	987.3	965.3	1.38	304.8
Hr. of Max	21	20	21	23	10	10	14	14	22
Min	0.009421	13.9	14.7	.00	29.04	983.5	-3.2	.00	65.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/10/2017

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	239.9	232.1	271.4	228.2	30.9	6.1	5.0	.0	1.9
01:00	244.6	232.5	95.1	228.2	1.9	13.8	6.8	.0	.2
02:00	238.4	260.6	246.6	255.5	23.1	15.2	6.1	.1	1.4
03:00	112.8	226.5	73.3	222.7	7.5	13.8	5.9	.2	.1
04:00	52.1	218.7	278.6	214.9	5.8	2.0	7.1	.0	.1
05:00	63.6	352.1	266.0	311.8	32.6	51.9	51.1	.1	.3
06:00	184.0	227.1	.2	222.3	32.6	35.1	14.1	.0	.2
07:00	39.0	140.6	179.8	121.0	3.3	10.5	14.4	.0	.5
08:00	221.3	218.6	191.2	211.4	20.6	23.2	20.8	.6	1.0
09:00	234.6	227.1	227.5	222.8	28.6	20.5	15.1	2.7	3.4
10:00	225.3	224.4	213.5	221.1	30.1	24.5	19.8	4.3	5.4
11:00	215.3	215.3	204.5	210.0	31.8	28.5	22.6	4.2	5.0
12:00	235.4	233.5	227.7	228.8	37.3	28.9	23.4	4.7	6.3
13:00	224.6	226.3	212.8	221.5	30.5	25.7	20.1	5.4	7.0
14:00	221.5	221.5	213.0	216.9	34.9	28.3	24.1	5.2	6.7
15:00	220.6	219.0	212.2	214.3	30.5	25.8	22.2	5.4	6.8
16:00	219.2	216.0	213.2	211.7	28.8	21.0	18.0	5.9	8.1
17:00	214.6	212.6	206.7	208.5	27.9	20.2	14.8	5.3	7.4
18:00	207.8	208.1	197.4	203.5	24.0	19.5	16.8	4.7	6.1
19:00	231.4	222.8	233.9	218.9	19.6	12.2	9.0	2.9	5.1
20:00	257.1	250.4	249.5	245.4	23.6	10.9	6.8	1.6	3.7
21:00	224.4	252.4	267.8	247.4	24.9	5.7	7.0	.9	3.2
22:00	227.4	231.0	280.4	226.7	20.5	5.8	5.4	1.0	3.8
23:00	228.7	234.8	245.8	230.6	15.4	3.7	4.3	2.3	4.7
Avg	221.0	227.0	228.0	223.0	23.6	18.9	15.0	.0	.0
Max	257.1	352.1	280.4	311.8	37.3	51.9	51.1	5.9	8.1
Hr. of Max	20	05	22	05	12	05	05	16	16
Min	39.0	140.6	.2	121.0	1.9	2.0	4.3	.0	.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/10/2017

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	4.3	.0	2.0	4.3	.6	4.6	2.6	1.0	.04
01:00	2.7	.0	.2	2.8	.3	3.0	2.6	.8	.03
02:00	3.8	.1	1.4	3.9	.9	4.0	3.0	1.7	.05
03:00	2.5	.2	.9	2.5	.6	2.7	1.6	.2	.03
04:00	1.7	.0	.1	1.7	.3	2.0	1.1	-.6	.01
05:00	.3	.3	.3	.5	.8	.8	1.3	-1.1	.01
06:00	1.3	.0	.3	1.4	.4	1.6	1.1	.0	.01
07:00	.3	.0	.5	.6	.4	.9	2.1	-.1	.02
08:00	1.6	.7	1.1	1.7	1.3	2.0	1.3	-1.9	.07
09:00	3.7	2.9	3.5	3.8	3.4	4.2	1.6	-5.1	-.02
10:00	6.4	5.0	5.8	6.7	5.6	7.3	.5	.3	-.13
11:00	5.8	4.7	5.5	6.1	5.3	6.6	-.4	-.2	-.16
12:00	7.6	5.5	7.1	8.2	6.2	8.9	2.5	.0	-.03
13:00	8.3	6.2	7.6	8.9	6.7	9.6	1.6	2.0	-.01
14:00	7.8	6.4	7.7	8.6	7.0	9.3	-1.3	.6	-.33
15:00	7.9	6.2	7.5	8.5	6.8	9.2	2.1	2.2	.06
16:00	9.4	6.8	8.8	9.9	7.5	10.6	.4	1.3	-.18
17:00	9.3	5.9	7.8	9.6	6.5	10.2	3.1	-.4	.07
18:00	7.3	5.2	6.5	7.6	5.6	8.1	.3	.9	-.14
19:00	6.8	3.2	5.3	6.9	3.5	7.3	.0	.0	-.08
20:00	5.9	1.9	3.9	6.0	2.2	6.3	-1.3	1.1	-.05
21:00	4.0	1.0	3.3	4.0	1.5	4.3	-1.6	1.5	-.04
22:00	5.0	1.1	3.8	5.1	1.3	5.5	-.5	1.7	-.02
23:00	5.5	2.4	4.7	5.6	2.7	5.9	-.9	1.0	-.05
Avg	.0	2.7	4.0	5.2	3.2	5.6	1.0	.3	-.04
Max	9.4	6.8	8.8	9.9	7.5	10.6	3.1	2.2	.07
Hr. of Max	16	16	16	16	16	16	17	15	17
Min	.3	.0	.1	.5	.3	.8	-1.6	-5.1	-.33
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/10/2017

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	.08	.9	5.0	6.2	6.0	1.9	19.1	21.5
01:00	.04	.0	2.7	5.7	7.1	2.5	18.1	20.6
02:00	.12	1.4	3.7	6.2	7.3	3.6	17.2	19.8
03:00	.02	2.5	6.0	8.0	8.0	4.6	16.5	18.5
04:00	-.01	1.1	1.1	5.3	5.7	3.5	16.2	17.7
05:00	.00	1.8	1.8	2.3	8.9	14.2	15.4	16.7
06:00	.00	1.4	1.1	3.4	8.2	4.3	15.0	16.5
07:00	.00	1.1	2.1	3.4	8.3	8.7	15.5	16.4
08:00	-.13	4.6	5.3	5.0	24.3	12.4	18.3	17.9
09:00	-.42	9.4	8.5	8.5	22.0	17.1	21.2	20.4
10:00	-.23	10.8	11.9	12.4	16.6	16.4	23.5	22.7
11:00	-.19	12.4	14.2	16.0	18.4	19.3	25.1	24.3
12:00	-.22	16.0	17.2	17.2	20.1	17.0	26.4	25.5
13:00	.13	16.5	19.0	20.8	19.1	15.3	27.2	26.3
14:00	-.01	16.5	17.4	16.7	17.7	16.1	27.8	26.9
15:00	.19	21.8	22.4	25.0	19.9	16.5	28.4	27.5
16:00	-.08	16.0	17.6	23.6	17.1	13.8	28.6	27.8
17:00	-.24	14.2	16.5	19.9	18.9	11.5	28.8	27.9
18:00	-.09	14.2	24.3	25.0	16.3	13.5	28.5	27.9
19:00	-.06	9.6	13.5	14.0	13.8	7.2	27.6	27.4
20:00	.11	3.9	8.5	11.4	9.8	3.6	25.6	26.4
21:00	.12	4.6	7.8	11.0	8.4	3.6	24.3	25.3
22:00	.16	5.0	9.2	8.9	7.9	1.7	22.8	24.4
23:00	.10	4.1	7.8	11.2	5.0	2.1	21.9	23.5
Avg	-.03	7.9	10.2	12.0	13.1	9.6	22.5	22.9
Max	.19	21.8	24.3	25.0	24.3	19.3	28.8	27.9
Hr. of Max	15	15	18	18	08	11	17	18
Min	-.42	.0	1.1	2.3	5.0	1.7	15.0	16.4
Count	24	24	24	24	24	24	24	24
Total								