Date Printed: 06/17/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

6/16/2017

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	19.8	19.8	19.8	19.9	-.02	-.08	.01	-.06	.04
01:00	19.6	19.5	19.4	19.5	-.09	-.16	-.12	-.08	-.03
02:00	19.6	19.4	19.3	19.2	-.15	-.34	-.41	-.19	-.25
03:00	19.3	19.1	18.9	18.9	-.19	-.34	-.37	-.15	-.18
04:00	19.1	19.0	18.8	18.8	-.15	-.31	-.32	-.16	-.18
05:00	19.1	19.0	18.9	18.9	-.10	-.25	-.22	-.15	-.12
06:00	18.7	18.8	18.7	18.8	.03	-.03	.04	-.06	.01
07:00	18.9	18.7	18.6	18.7	-.19	-.31	-.25	-.12	-.07
08:00	20.2	19.9	19.6	19.6	-.34	-.57	-.65	-.22	-.31
09:00	20.9	20.5	20.3	20.2	-.41	-.64	-.73	-.24	-.32
10:00	21.6	21.2	20.9	20.8	-.46	-.75	-.89	-.29	-.42
11:00	22.9	22.2	21.8	21.7	-.78	-1.14	-1.29	-.36	-.51
12:00	23.9	23.0	22.7	22.5	-.85	-1.22	-1.39	-.37	-.54
13:00	25.5	24.5	24.0	23.9	-.99	-1.43	-1.58	-.44	-.60
14:00	26.9	25.7	25.2	25.1	-1.25	-1.66	-1.81	-.41	-.56
15:00	27.5	26.5	26.1	26.0	-.99	-1.32	-1.45	-.33	-.46
16:00	28.0	27.1	26.8	26.6	-.88	-1.23	-1.38	-.34	-.49
17:00	28.0	27.4	27.1	27.0	-.63	-.89	-1.02	-.26	-.39
18:00	28.5	27.7	27.4	27.3	-.77	-1.10	-1.15	-.33	-.39
19:00	26.7	27.2	27.2	27.3	.52	.54	.60	.02	.08
20:00	23.7	25.1	25.8	26.3	1.42	2.06	2.63	.64	1.20
21:00	21.9	23.6	24.3	24.9	1.67	2.33	2.98	.66	1.31
22:00	21.0	22.5	23.2	23.8	1.47	2.19	2.73	.73	1.26
23:00	20.3	21.4	22.1	22.6	1.17	1.86	2.33	.69	1.16
Avg	22.6	22.5	22.4	22.4	-.12	-.20	-.15	-.08	-.03
Max	28.5	27.7	27.4	27.3	1.67	2.33	2.98	.73	1.31
Hr. of Max	18	18	18	19	21	21	21	22	21
Min	18.7	18.7	18.6	18.7	-1.25	-1.66	-1.81	-.44	-.60
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/16/2017

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	18.9	19.2	19.2	23.5	96.5	98.7	16.2	16.5	0.014173
01:00	18.8	18.9	19.1	23.4	97.5	98.8	16.1	16.2	0.014085
02:00	18.7	18.9	19.0	23.3	96.8	98.8	16.0	16.2	0.014009
03:00	18.6	18.6	18.8	23.1	98.1	99.0	15.9	15.9	0.01391
04:00	18.5	18.5	18.7	23.0	98.1	99.1	15.8	15.8	0.013802
05:00	18.5	18.5	18.7	22.9	98.1	99.1	15.8	15.9	0.013766
06:00	18.1	18.3	18.3	22.8	98.0	99.1	15.4	15.6	0.013438
07:00	18.2	18.2	18.5	22.7	97.8	99.0	15.6	15.6	0.013569
08:00	17.9	18.0	18.7	22.6	88.7	91.2	15.2	15.3	0.013307
09:00	17.3	17.3	18.5	22.6	81.6	83.7	14.6	14.6	0.012779
10:00	17.3	17.2	18.7	22.5	78.0	79.7	14.6	14.5	0.012795
11:00	17.0	16.6	19.0	22.5	70.7	72.2	14.2	13.9	0.012562
12:00	17.1	16.7	19.4	22.6	67.4	69.0	14.3	14.0	0.01267
13:00	17.2	16.8	19.9	22.8	61.7	63.8	14.3	14.0	0.012748
14:00	17.2	16.7	20.4	23.1	56.9	59.3	14.3	13.9	0.012829
15:00	17.2	16.8	20.6	23.4	55.0	56.9	14.3	14.0	0.012812
16:00	17.5	16.9	21.0	23.6	54.2	54.9	14.5	14.0	0.013061
17:00	17.0	16.6	20.7	23.8	52.6	53.0	14.1	13.7	0.012674
18:00	17.3	16.6	21.0	23.9	52.3	52.1	14.3	13.7	0.012927
19:00	18.7	17.2	21.4	24.0	63.5	55.9	15.7	14.3	0.014116
20:00	19.1	18.2	20.6	24.0	77.1	67.3	16.2	15.3	0.014384
21:00	18.6	18.8	19.7	24.0	83.3	76.5	15.8	16.0	0.013963
22:00	18.8	19.1	19.5	23.9	89.2	83.3	16.0	16.3	0.014126
23:00	18.6	19.5	19.2	23.8	92.3	90.7	15.9	16.7	0.013953
Avg	18.0	17.8	19.5	23.2	79.4	79.2	15.2	15.1	0.013436
Max	19.1	19.5	21.4	24.0	98.1	99.1	16.2	16.7	0.014384
Hr. of Max	20	23	19	21	05	06	20	23	20
Min	17.0	16.6	18.3	22.5	52.3	52.1	14.1	13.7	0.012562
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/16/2017

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	0.014479	21.9	22.4	.00	29.02	982.9	-2.0	.00	232.7
01:00	0.014199	21.8	21.9	.00	29.02	982.9	-2.1	.00	224.6
02:00	0.014163	21.6	21.9	.00	29.01	982.5	-2.6	.00	218.3
03:00	0.013871	21.5	21.4	.00	29.00	982.2	-2.6	.00	217.9
04:00	0.013813	21.3	21.3	.00	29.01	982.4	-2.8	.00	218.1
05:00	0.013826	21.3	21.4	.00	29.03	982.9	-2.8	.00	222.4
06:00	0.013609	20.8	21.1	.00	29.03	983.2	10.3	.01	216.6
07:00	0.013572	21.0	21.0	.00	29.04	983.4	76.9	.11	227.5
08:00	0.013383	20.6	20.7	.00	29.04	983.4	218.4	.31	205.9
09:00	0.012781	19.8	19.8	.00	29.04	983.4	189.2	.27	24.0
10:00	0.012703	19.8	19.7	.00	29.04	983.3	294.3	.42	55.1
11:00	0.012223	19.5	18.9	.00	29.03	983.3	595.0	.85	102.1
12:00	0.012331	19.6	19.1	.00	29.03	983.0	776.5	1.11	91.2
13:00	0.012437	19.7	19.3	.00	29.01	982.5	822.6	1.18	123.6
14:00	0.012408	19.8	19.2	.00	28.99	981.9	1062.3	1.52	135.3
15:00	0.012505	19.8	19.3	.00	28.98	981.3	800.0	1.15	157.7
16:00	0.012543	20.2	19.4	.00	28.96	980.7	523.5	.75	155.2
17:00	0.012311	19.6	19.0	.00	28.94	980.2	409.9	.59	100.9
18:00	0.012324	19.9	19.0	.00	28.93	979.8	353.1	.51	288.2
19:00	0.01283	21.7	19.8	.00	28.93	979.9	189.2	.27	266.2
20:00	0.013651	22.1	21.0	.00	28.94	980.0	15.0	.02	284.5
21:00	0.014187	21.5	21.9	.00	28.94	980.2	-2.0	.00	347.1
22:00	0.01443	21.8	22.2	.00	28.96	980.6	-2.5	.00	11.9
23:00	0.014735	21.5	22.7	.00	28.97	981.0	-2.2	.00	113.3
Avg	0.013305	20.8	20.6	.00	29.00	982.0	263.1	.38	190.0
Max	0.014735	22.1	22.7	.00	29.04	983.4	1062.3	1.52	347.1
Hr. of Max	23	20	23	23	10	09	14	14	21
Min	0.012223	19.5	18.9	.00	28.93	979.8	-2.8	.00	11.9
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/16/2017

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	240.5	234.9	235.1	230.9	20.7	10.8	6.5	2.5	4.8
01:00	233.4	228.7	228.5	225.0	21.7	9.8	7.4	2.6	4.8
02:00	225.9	222.4	223.6	218.4	24.8	16.0	11.3	2.8	4.2
03:00	231.9	232.6	223.0	228.5	23.8	16.2	13.6	2.6	3.7
04:00	229.3	225.5	225.1	221.8	22.2	12.9	7.6	2.4	4.0
05:00	230.7	226.7	226.9	222.8	23.8	10.3	6.5	2.6	4.9
06:00	227.1	226.6	224.8	222.6	28.0	11.3	7.2	1.9	3.8
07:00	231.5	221.8	232.0	218.1	26.1	13.9	9.7	1.9	3.5
08:00	229.5	224.2	218.6	220.5	37.7	29.4	25.5	1.5	2.0
09:00	330.0	327.4	322.0	319.5	73.8	47.6	45.9	.6	1.2
10:00	49.0	43.7	46.0	34.1	36.0	25.3	21.4	2.1	3.0
11:00	103.2	99.2	98.0	91.2	31.9	31.8	30.9	3.3	3.7
12:00	94.0	91.3	86.7	82.6	26.9	25.7	23.3	3.6	4.0
13:00	122.8	118.9	121.4	110.5	42.1	38.5	33.8	3.2	3.7
14:00	152.4	146.5	152.4	142.4	69.5	64.4	54.3	1.4	1.5
15:00	194.1	189.8	178.1	184.8	56.2	43.1	43.3	1.6	1.8
16:00	178.8	181.1	167.3	175.0	56.4	52.5	56.2	2.0	2.0
17:00	124.4	117.9	103.1	115.4	50.1	35.3	45.3	1.8	1.8
18:00	292.3	305.5	280.8	282.8	41.0	25.5	54.1	2.0	2.5
19:00	261.8	252.8	264.0	247.6	36.7	14.2	12.6	1.4	2.3
20:00	234.6	224.2	276.1	219.7	33.1	9.3	8.7	1.2	1.9
21:00	272.2	206.8	309.1	197.3	64.4	22.1	12.3	.5	.6
22:00	131.0	165.4	303.3	163.1	50.6	58.6	27.3	.4	.4
23:00	353.7	204.7	252.3	30.1	59.1	45.3	30.5	.8	.2
Avg	215.0	204.0	225.0	200.0	39.9	27.9	24.8	.0	.0
Max	353.7	327.4	322.0	319.5	73.8	64.4	56.2	3.6	4.9
Hr. of Max	23	09	09	09	09	14	16	12	05
Min	49.0	43.7	46.0	30.1	20.7	9.3	6.5	.4	.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/16/2017

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	7.1	2.7	4.9	7.2	3.0	7.6	1.2	.3	-.03
01:00	6.4	2.8	4.9	6.5	3.2	6.9	-.6	-.9	-.11
02:00	5.5	3.1	4.4	5.6	3.4	6.0	2.4	.4	.00
03:00	4.5	2.8	3.9	4.7	3.1	5.0	2.4	-.8	-.01
04:00	5.3	2.6	4.1	5.3	3.2	5.6	.9	-1.0	-.05
05:00	6.7	2.8	5.0	6.9	3.4	7.3	.1	-.1	-.10
06:00	5.0	2.2	4.0	5.2	2.6	5.5	-.7	.3	-.07
07:00	4.9	2.1	3.7	5.0	2.3	5.3	1.2	.0	-.03
08:00	2.4	2.0	2.4	2.7	2.5	3.0	-1.3	-5.1	-.13
09:00	1.2	1.3	1.9	2.0	1.9	2.4	-1.7	-1.4	-.10
10:00	3.4	2.7	3.7	3.9	3.2	4.4	.1	4.3	-.14
11:00	3.9	3.7	4.2	4.4	4.3	4.8	3.6	3.7	.14
12:00	4.3	4.1	4.6	4.7	4.6	5.3	-1.0	-1.0	-.14
13:00	4.0	3.8	4.3	4.4	4.6	5.1	5.7	-1.3	.29
14:00	1.6	2.8	3.0	2.9	3.6	3.7	1.1	-5.4	.16
15:00	1.6	2.5	2.7	2.5	3.3	3.3	-.3	-2.6	.03
16:00	1.9	2.9	3.0	3.1	3.6	3.8	1.0	-1.0	.18
17:00	2.0	2.6	2.9	2.8	3.2	3.5	-2.1	-12.1	-.07
18:00	1.8	2.2	2.7	2.1	2.6	2.9	1.2	-5.5	-.10
19:00	2.6	1.4	2.4	2.7	1.8	3.0	.3	.5	-.02
20:00	3.0	1.3	2.0	3.2	1.6	3.4	-.7	-.9	-.04
21:00	1.5	.6	1.0	1.6	1.1	1.8	-.8	-1.1	-.02
22:00	.6	.8	.6	.9	1.3	1.2	.5	.4	.00
23:00	.1	.9	.5	.6	1.3	.8	.0	-.2	.00
Avg	.0	2.4	3.2	3.8	2.9	4.2	.5	-1.3	-.02
Max	7.1	4.1	5.0	7.2	4.6	7.6	5.7	4.3	.29
Hr. of Max	00	12	05	00	13	00	13	10	13
Min	.1	.6	.5	.6	1.1	.8	-2.1	-12.1	-.14
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

6/16/2017

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	.03	6.0	9.8	14.2	14.6	3.8	21.2	20.9
01:00	-.12	6.2	10.1	13.5	13.0	4.3	20.9	20.5
02:00	-.05	7.3	8.7	11.9	18.0	9.0	20.8	20.2
03:00	-.13	6.4	8.9	9.4	17.7	8.1	20.4	19.9
04:00	-.13	5.7	6.9	11.9	16.2	6.0	20.4	19.8
05:00	-.02	7.1	11.7	13.5	14.7	4.4	20.4	20.0
06:00	.02	8.2	8.9	13.1	11.9	4.7	20.1	19.8
07:00	-.01	4.6	7.8	10.3	17.1	5.2	20.1	19.7
08:00	-.36	6.4	6.6	7.8	21.2	20.9	21.1	20.5
09:00	-.12	6.4	7.6	7.1	29.0	27.7	21.8	21.1
10:00	.26	8.0	8.5	9.6	23.8	19.2	22.4	21.7
11:00	.19	11.0	10.3	10.8	20.5	22.7	23.3	22.5
12:00	-.10	11.2	11.0	9.6	20.5	22.9	24.2	23.4
13:00	-.03	11.0	12.8	13.1	24.9	24.2	25.6	24.7
14:00	-.16	7.3	8.9	8.2	27.6	33.2	26.8	25.9
15:00	.00	8.0	8.2	8.7	27.5	34.7	27.5	26.7
16:00	.09	9.6	8.2	9.6	24.6	29.3	28.1	27.4
17:00	-.57	6.9	8.2	8.9	23.1	25.8	28.5	27.7
18:00	-.28	7.6	7.3	7.6	26.2	25.7	28.8	28.0
19:00	.00	5.7	6.4	6.0	15.8	13.5	28.3	27.9
20:00	-.06	2.5	4.6	6.9	6.3	2.6	26.4	27.3
21:00	-.01	2.7	6.4	10.3	5.8	4.1	24.9	26.0
22:00	.01	3.4	2.3	2.3	6.9	6.4	23.8	24.9
23:00	.01	3.4	2.7	3.2	6.9	5.6	22.8	23.8
Avg	-.06	6.8	8.0	9.5	18.1	15.2	23.7	23.3
Max	.26	11.2	12.8	14.2	29.0	34.7	28.8	28.0
Hr. of Max	10	12	13	00	09	15	18	18
Min	-.57	2.5	2.3	2.3	5.8	2.6	20.1	19.7
Count	24	24	24	24	24	24	24	24
Total								