Date Printed: 03/31/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/30/2017

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	15.1	17.1	18.6	20.4	2.06	3.58	5.30	1.52	3.23
01:00	14.6	16.0	17.4	19.6	1.35	2.77	4.98	1.42	3.63
02:00	14.5	15.5	16.5	18.1	1.05	1.98	3.65	.93	2.60
03:00	14.6	15.9	16.3	17.3	1.27	1.69	2.70	.41	1.42
04:00	14.8	15.8	16.3	17.4	.97	1.46	2.62	.49	1.65
05:00	15.0	15.9	16.1	16.8	.92	1.14	1.85	.22	.93
06:00	14.6	15.6	16.1	17.6	1.09	1.59	3.04	.50	1.94
07:00	14.9	15.7	15.8	16.5	.81	.92	1.65	.11	.84
08:00	16.0	16.2	16.2	16.4	.26	.21	.48	-.05	.22
09:00	17.4	17.4	17.3	17.5	-.03	-.10	.14	-.07	.17
10:00	19.5	19.4	19.3	19.4	-.10	-.25	-.14	-.15	-.04
11:00	22.3	22.0	21.8	21.7	-.27	-.53	-.64	-.26	-.37
12:00	23.7	23.4	23.1	22.9	-.34	-.61	-.77	-.26	-.42
13:00	24.4	24.2	23.9	23.8	-.28	-.54	-.67	-.26	-.39
14:00	25.7	25.3	25.0	24.9	-.44	-.73	-.88	-.29	-.44
15:00	27.0	26.6	26.3	26.2	-.39	-.67	-.79	-.28	-.40
16:00	27.5	27.2	27.0	26.8	-.24	-.49	-.64	-.25	-.40
17:00	26.9	26.9	26.7	26.5	-.03	-.27	-.38	-.24	-.35
18:00	26.1	26.3	26.1	26.0	.18	.00	-.05	-.18	-.23
19:00	25.1	25.3	25.2	25.2	.27	.14	.13	-.13	-.13
20:00	24.3	24.6	24.5	24.5	.32	.23	.25	-.09	-.07
21:00	22.4	22.8	22.7	22.7	.41	.32	.28	-.09	-.13
22:00	18.1	18.4	18.5	18.6	.32	.35	.45	.03	.13
23:00	18.1	18.3	18.1	18.1	.19	.04	-.01	-.15	-.20
Avg	20.1	20.5	20.6	21.0	.39	.51	.94	.12	.55
Max	27.5	27.2	27.0	26.8	2.06	3.58	5.30	1.52	3.63
Hr. of Max	16	16	16	16	00	00	00	00	01
Min	14.5	15.5	15.8	16.4	-.44	-.73	-.88	-.29	-.44
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/30/2017

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	10.9	12.2	17.2	76.5	67.7	9.7	9.8	0.008305
01:00	10.6	10.8	11.9	17.0	77.9	72.6	9.6	9.8	0.008208
02:00	10.5	10.6	11.8	16.8	77.8	73.4	9.6	9.6	0.008145
03:00	10.8	10.5	12.1	16.6	79.4	71.5	9.8	9.5	0.008357
04:00	10.9	10.4	12.2	16.5	78.4	71.3	9.8	9.5	0.008383
05:00	10.5	10.1	12.0	16.3	75.6	69.5	9.6	9.3	0.008172
06:00	10.9	10.4	12.1	16.2	79.6	72.3	9.8	9.5	0.008369
07:00	11.2	10.7	12.4	16.1	80.0	73.4	10.1	9.7	0.008583
08:00	11.3	10.4	12.9	16.0	75.3	69.5	10.1	9.5	0.008652
09:00	11.2	10.6	13.3	15.9	68.2	65.6	10.0	9.6	0.008591
10:00	12.4	11.9	14.7	15.9	64.5	62.8	10.7	10.3	0.009278
11:00	11.8	11.2	15.3	16.0	52.7	51.3	10.3	9.8	0.009002
12:00	10.4	9.6	14.8	16.1	43.9	42.7	9.3	8.9	0.008188
13:00	10.5	9.9	15.2	16.4	42.5	41.4	9.4	9.0	0.008287
14:00	10.3	9.4	15.5	16.6	38.9	37.6	9.2	8.7	0.0082
15:00	7.2	6.2	13.8	16.9	29.4	28.1	7.5	7.0	0.006693
16:00	5.6	4.4	12.9	17.1	25.6	23.9	6.7	6.2	0.005985
17:00	6.1	5.2	13.1	17.3	27.4	25.8	7.0	6.6	0.006217
18:00	6.6	5.9	13.1	17.5	29.6	27.9	7.2	6.8	0.006383
19:00	7.3	6.7	13.3	17.5	33.1	31.2	7.6	7.3	0.006727
20:00	7.9	7.4	13.3	17.5	35.9	34.1	7.9	7.6	0.006961
21:00	9.9	9.3	14.0	17.4	47.0	44.1	9.1	8.7	0.007976
22:00	13.9	13.7	15.3	17.4	77.9	75.2	11.9	11.7	0.010322
23:00	13.0	12.8	14.7	17.3	73.5	71.9	11.2	11.1	0.009732
Avg	10.1	9.5	13.4	16.7	57.9	54.4	9.3	9.0	0.008072
Max	13.9	13.7	15.5	17.5	80.0	75.2	11.9	11.7	0.010322
Hr. of Max	22	22	14	20	07	22	22	22	22
Min	5.6	4.4	11.8	15.9	25.6	23.9	6.7	6.2	0.005985
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/30/2017

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	0.008385	13.0	13.1	.00	29.04	983.5	-2.4	.00	69.5
01:00	0.008344	12.8	13.0	.00	29.02	982.9	-2.5	.00	82.6
02:00	0.008214	12.7	12.8	.00	29.01	982.6	-2.5	.00	92.2
03:00	0.008167	13.0	12.7	.00	29.02	982.8	-2.7	.00	80.2
04:00	0.008114	13.1	12.7	.00	29.01	982.4	-2.6	.00	65.0
05:00	0.007967	12.7	12.4	.00	29.00	982.2	-2.3	.00	69.8
06:00	0.008149	13.0	12.7	.00	29.00	982.2	-2.6	.00	90.9
07:00	0.008288	13.4	12.9	.00	29.01	982.6	6.5	.01	81.9
08:00	0.00813	13.5	12.7	.00	29.02	982.9	68.5	.10	61.1
09:00	0.008251	13.4	12.9	.00	29.03	983.2	116.5	.17	115.6
10:00	0.008971	14.4	14.0	.00	29.03	983.0	209.2	.30	195.5
11:00	0.008615	14.0	13.4	.00	29.00	982.0	485.6	.70	191.5
12:00	0.007789	12.7	12.1	.00	28.95	980.4	577.8	.83	177.4
13:00	0.007945	12.9	12.3	.00	28.91	979.1	552.3	.79	173.6
14:00	0.007715	12.7	12.0	.00	28.88	978.1	668.0	.96	184.0
15:00	0.006249	10.4	9.7	.00	28.84	976.8	698.7	1.00	186.8
16:00	0.005527	9.3	8.6	.00	28.82	976.0	508.0	.73	199.8
17:00	0.005839	9.7	9.1	.00	28.81	975.6	307.8	.44	208.0
18:00	0.006094	9.9	9.5	.00	28.80	975.5	84.8	.12	206.9
19:00	0.006459	10.4	10.0	.00	28.80	975.2	20.0	.03	201.9
20:00	0.006737	10.8	10.4	.00	28.78	974.8	-2.1	.00	200.1
21:00	0.007684	12.3	11.9	.01	28.81	975.5	-3.4	.00	201.1
22:00	0.01017	15.9	15.7	.01	28.83	976.4	-2.7	.00	211.3
23:00	0.009624	15.0	14.9	.00	28.83	976.3	-2.2	.00	180.2
Avg	0.007809	12.5	12.1	.00	28.93	979.7	178.2	.26	152.0
Max	0.01017	15.9	15.7	.01	29.04	983.5	698.7	1.00	211.3
Hr. of Max	22	22	22	22	00	00	15	15	22
Min	0.005527	9.3	8.6	.00	28.78	974.8	-3.4	.00	61.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/30/2017

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	51.5	57.9	61.7	48.8	15.6	9.1	5.6	1.8	3.9
01:00	60.3	56.7	76.4	47.8	8.4	4.6	2.2	1.4	4.2
02:00	62.0	59.4	89.9	50.8	9.4	8.1	3.0	1.6	3.7
03:00	62.3	89.8	55.5	80.7	43.1	39.2	28.6	.5	1.5
04:00	56.1	68.9	58.6 +	60.2	24.2	11.7	6.6	2.0	4.0
05:00	52.3	59.2	62.0	50.5	20.3	11.6	7.0	1.5	3.5
06:00	57.7	17.8	85.2	5.7	9.4	17.8	14.0	.5	1.7
07:00	71.7	59.6	76.6	50.8	14.2	12.7	10.7	1.0	2.6
08:00	50.6	63.1	48.4	54.2	17.2	7.2	6.4	1.2	3.0
09:00	13.2	334.4	124.8	324.7	23.5	48.1	19.3	.5	.4
10:00	222.2	214.1	217.5	209.5	33.4	24.1	14.9	2.0	3.4
11:00	198.9	194.9	192.7	190.0	27.0	22.2	19.6	7.7	9.9
12:00	182.5	180.7	177.8	175.7	29.9	25.1	20.7	8.6	11.1
13:00	184.5	184.3	174.3	179.2	28.1	23.5	21.0	9.7	12.7
14:00	189.3	186.7	184.4	182.3	30.4	27.6	23.9	8.2	9.9
15:00	194.6	192.7	188.6	187.9	27.4	23.4	20.4	10.6	13.6
16:00	207.0	203.7	200.8	199.0	26.7	22.4	18.4	9.5	12.1
17:00	213.7	211.2	208.3	206.7	25.8	22.0	17.5	9.3	11.8
18:00	214.8	212.7	207.3	208.5	24.7	20.4	15.9	7.7	10.2
19:00	211.2	208.7	203.7	204.4	21.5	17.1	14.3	5.4	7.4
20:00	205.3	202.3	201.2	197.7	21.4	18.5	15.2	4.7	6.5
21:00	205.4	201.0	201.4	196.7	21.6	18.0	14.0	8.4	11.1
22:00	215.3	210.8	213.2	206.6	25.2	18.6	14.7	5.2	7.7
23:00	195.5	193.6	189.4	188.7	35.4	32.9	24.6	2.4	3.6
Avg	160.0	163.0	154.0	161.0	23.5	20.2	14.9	.0	.0
Max	222.2	334.4	217.5	324.7	43.1	48.1	28.6	10.6	13.6
Hr. of Max	10	09	10	09	03	09	03	15	15
Min	13.2	17.8	48.4	5.7	8.4	4.6	2.2	.5	.4
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)

3/30/2017

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	5.9	1.9	3.9	5.9	2.0	6.1	1.9	.3	.05
01:00	7.4	1.4	4.2	7.4	1.6	7.6	1.0	1.1	.03
02:00	7.2	1.6	3.8	7.2	1.9	7.4	1.4	1.0	.03
03:00	1.9	1.0	1.7	2.2	1.4	2.5	1.7	1.1	.04
04:00	5.2	2.2	4.1	5.3	2.3	5.4	-1.6	-.1	-.13
05:00	5.1	1.7	3.5	5.2	1.8	5.4	-1.2	1.0	-.08
06:00	2.5	.5	1.9	2.6	.9	2.8	3.4	3.0	.06
07:00	3.6	1.0	2.7	3.6	1.3	3.8	.2	.9	.00
08:00	3.7	1.3	3.0	3.7	1.4	3.9	-.4	-.2	-.05
09:00	.8	1.1	1.9	2.6	1.6	2.8	-3.0	-1.2	-.11
10:00	5.0	2.3	3.6	5.2	2.9	5.6	2.6	-2.6	.00
11:00	11.8	8.5	10.6	12.4	9.2	13.0	.1	-1.7	-.19
12:00	13.8	9.6	12.0	14.6	10.3	15.2	3.1	.2	.23
13:00	16.2	10.9	13.8	17.2	12.0	17.9	1.5	-2.7	-.05
14:00	12.0	9.2	10.9	12.9	10.0	13.7	3.7	1.4	.27
15:00	16.5	11.8	14.7	17.4	12.5	18.2	.7	-1.2	-.18
16:00	14.5	10.6	13.1	15.3	11.4	16.1	1.9	-.3	.01
17:00	14.5	10.2	12.6	15.2	11.0	15.9	1.4	.3	-.10
18:00	12.9	8.3	10.8	13.4	9.1	14.2	3.3	-.4	.21
19:00	9.3	5.8	7.7	9.5	6.4	10.1	.9	-1.7	-.05
20:00	8.4	5.0	6.8	8.7	5.3	9.2	2.3	-.4	.10
21:00	14.3	8.9	11.6	14.8	9.4	15.4	2.7	-.9	.14
22:00	10.4	5.8	8.3	10.9	6.3	11.5	2.1	.8	.09
23:00	5.1	3.0	4.2	5.7	3.5	6.0	1.0	.6	-.02
Avg	.0	5.2	7.1	9.1	5.6	9.6	1.3	-.1	.01
Max	16.5	11.8	14.7	17.4	12.5	18.2	3.7	3.0	.27
Hr. of Max	15	15	15	15	15	15	14	06	14
Min	.8	.5	1.7	2.2	.9	2.5	-3.0	-2.7	-.19
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/30/2017

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	10.1	9.2	7.2	2.5	17.7	20.6
01:00	.14	2.5	6.4	12.4	6.2	1.5	16.5	19.8
02:00	.13	4.4	12.1	13.3	7.2	2.3	16.1	18.4
03:00	.08	3.0	3.9	8.2	8.8	6.1	16.5	17.6
04:00	-.01	5.7	7.6	8.5	12.5	3.4	16.4	17.7
05:00	.09	4.1	6.4	9.2	11.7	4.0	16.5	17.2
06:00	.14	2.1	5.5	8.7	9.9	8.7	16.3	17.9
07:00	.06	3.2	5.0	5.7	11.4	6.0	16.4	16.9
08:00	-.01	3.7	6.9	7.3	15.3	5.2	16.9	16.8
09:00	-.04	3.4	6.4	6.9	17.5	7.9	18.0	17.8
10:00	-.36	11.2	17.9	19.9	20.7	10.5	20.1	19.7
11:00	-.65	26.3	26.6	30.7	16.2	14.0	22.5	21.8
12:00	-.43	33.4	35.7	42.8	18.9	16.5	23.7	22.9
13:00	-1.19	31.6	33.0	37.6	18.3	14.5	24.5	23.7
14:00	-.18	25.4	27.2	29.1	19.0	17.1	25.5	24.7
15:00	-.92	30.5	32.5	39.2	16.7	14.4	26.6	25.7
16:00	-.53	28.4	33.4	36.2	16.5	13.8	27.1	26.3
17:00	-.37	29.1	35.7	32.5	16.4	13.3	26.9	26.1
18:00	-.38	22.4	28.4	29.3	17.4	12.0	26.4	25.8
19:00	-.47	16.0	16.9	31.4	14.7	10.5	25.6	25.1
20:00	-.28	14.2	18.1	21.8	16.5	12.4	24.9	24.5
21:00	-.54	29.1	31.6	37.8	16.1	11.8	23.4	22.9
22:00	.01	16.3	30.9	24.5	17.5	11.4	19.5	19.2
23:00	-.16	9.6	12.1	15.1	20.4	16.6	19.1	18.6
Avg	-.24	15.1	18.8	21.6	14.7	9.9	21.0	21.2
Max	.14	33.4	35.7	42.8	20.7	17.1	27.1	26.3
Hr. of Max	06	12	17	12	10	14	16	16
Min	-1.19	2.1	3.9	5.7	6.2	1.5	16.1	16.8
Count	24	24	24	24	24	24	24	24
Total								