Date Printed: 03/30/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/29/2017

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	10.9	13.2	13.9	14.9	2.25	2.93	3.91	.68	1.66
01:00	10.0	12.1	12.9	13.8	2.09	2.94	3.79	.84	1.69
02:00	9.5	11.4	12.0	13.4	1.88	2.54	3.90	.65	2.01
03:00	8.8	10.8	11.5	13.0	1.93	2.63	4.20	.69	2.26
04:00	8.3	10.4	11.1	12.8	2.14	2.83	4.46	.69	2.32
05:00	7.9	9.5	10.3	11.8	1.58	2.45	3.88	.87	2.29
06:00	7.6	9.4	10.1	11.4	1.81	2.47	3.82	.66	2.01
07:00	7.2	9.0	9.6	10.8	1.77	2.44	3.57	.67	1.80
08:00	9.4	9.8	10.2	11.4	.42	.82	2.04	.40	1.62
09:00	14.0	13.8	13.6	13.6	-.25	-.45	-.40	-.20	-.15
10:00	17.4	16.8	16.5	16.3	-.61	-.98	-1.19	-.36	-.57
11:00	19.4	18.8	18.2	17.9	-.63	-1.16	-1.50	-.53	-.87
12:00	20.8	20.2	19.6	19.4	-.62	-1.17	-1.41	-.55	-.78
13:00	22.6	21.7	21.3	21.1	-.86	-1.26	-1.43	-.40	-.57
14:00	23.9	23.1	22.8	22.7	-.81	-1.12	-1.24	-.31	-.43
15:00	25.1	24.3	23.9	23.8	-.84	-1.16	-1.26	-.32	-.42
16:00	25.7	25.0	24.7	24.6	-.64	-.95	-1.08	-.32	-.45
17:00	25.9	25.5	25.2	25.0	-.46	-.79	-.92	-.33	-.46
18:00	25.9	25.8	25.6	25.4	-.08	-.37	-.50	-.29	-.42
19:00	24.5	25.1	24.9	24.9	.57	.43	.36	-.15	-.21
20:00	21.9	23.6	23.7	23.8	1.74	1.81	1.88	.07	.13
21:00	18.8	21.2	22.1	22.9	2.44	3.36	4.12	.92	1.69
22:00	17.2	19.3	20.7	22.0	2.13	3.49	4.82	1.36	2.70
23:00	15.7	17.7	19.4	21.2	2.01	3.75	5.52	1.73	3.51
Avg	16.6	17.4	17.7	18.2	.79	1.06	1.64	.27	.85
Max	25.9	25.8	25.6	25.4	2.44	3.75	5.52	1.73	3.51
Hr. of Max	18	18	18	18	21	23	23	23	23
Min	7.2	9.0	9.6	10.8	-.86	-1.26	-1.50	-.55	-.87
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/29/2017

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	9.3	9.9	9.9	16.5	91.0	81.8	9.0	9.3	0.007512
01:00	8.9	9.8	9.3	16.3	94.1	87.0	8.7	9.2	0.007283
02:00	8.7	9.8	9.0	16.0	95.9	91.0	8.7	9.2	0.007201
03:00	8.2	9.7	8.4	15.8	97.0	94.5	8.4	9.2	0.006957
04:00	7.8	9.8	8.0	15.6	97.6	97.1	8.2	9.3	0.006758
05:00	7.4	9.0	7.5	15.3	97.7	98.4	7.9	8.8	0.006567
06:00	7.1	9.0	7.3	15.1	97.7	98.5	7.8	8.8	0.006436
07:00	6.7	8.6	6.9	14.9	97.7	98.5	7.6	8.6	0.006259
08:00	8.5	9.1	8.8	14.7	95.2	96.6	8.5	8.9	0.007093
09:00	10.6	10.0	11.8	14.5	81.4	79.2	9.7	9.3	0.008217
10:00	11.2	10.4	13.3	14.4	67.9	66.8	10.0	9.5	0.008533
11:00	11.0	10.3	13.8	14.6	59.3	58.9	9.8	9.3	0.008417
12:00	10.3	9.6	13.8	14.9	52.0	51.7	9.3	8.9	0.008072
13:00	10.2	9.2	14.3	15.4	46.6	45.6	9.2	8.6	0.008059
14:00	9.8	8.9	14.5	16.0	41.8	41.2	9.0	8.4	0.00785
15:00	8.0	6.8	13.7	16.7	34.4	33.3	7.9	7.3	0.006946
16:00	8.6	7.4	14.3	17.1	34.7	33.2	8.2	7.6	0.00724
17:00	8.8	7.6	14.5	17.4	34.7	32.8	8.4	7.7	0.007369
18:00	8.9	8.0	14.6	17.6	35.1	33.0	8.4	7.9	0.007435
19:00	9.9	9.3	14.8	17.7	40.7	37.7	9.0	8.6	0.007904
20:00	10.7	10.1	14.4	17.8	50.0	43.2	9.5	9.1	0.008324
21:00	11.0	10.7	13.6	17.7	61.6	52.3	9.8	9.6	0.008442
22:00	10.9	11.0	13.0	17.5	67.6	59.7	9.8	9.8	0.008396
23:00	10.8	10.8	12.4	17.4	73.7	65.2	9.7	9.7	0.008322
Avg	9.3	9.4	11.7	16.1	68.6	65.7	8.9	8.9	0.007566
Max	11.2	11.0	14.8	17.8	97.7	98.5	10.0	9.8	0.008533
Hr. of Max	10	22	19	20	07	07	10	22	10
Min	6.7	6.8	6.9	14.4	34.4	32.8	7.6	7.3	0.006259
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/29/2017

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	0.007833	11.8	12.3	.00	29.14	986.7	-1.9	.00	81.2
01:00	0.007739	11.4	12.1	.00	29.13	986.5	-2.3	.00	176.3
02:00	0.007742	11.3	12.1	.00	29.12	986.2	-2.5	.00	71.7
03:00	0.007718	10.9	12.1	.00	29.11	985.9	-2.3	.00	78.7
04:00	0.007764	10.6	12.2	.00	29.11	985.7	-2.6	.00	94.9
05:00	0.007362	10.3	11.5	.00	29.11	985.8	-2.3	.00	200.5
06:00	0.007335	10.1	11.5	.00	29.12	986.1	-2.6	.00	111.8
07:00	0.007115	9.8	11.2	.00	29.14	986.8	12.4	.02	161.7
08:00	0.007389	11.1	11.6	.00	29.15	987.3	161.4	.23	91.8
09:00	0.007865	12.9	12.3	.00	29.16	987.6	409.3	.59	90.4
10:00	0.008081	13.4	12.7	.00	29.16	987.5	598.6	.86	74.2
11:00	0.008035	13.2	12.6	.00	29.16	987.4	758.6	1.09	57.8
12:00	0.007717	12.6	12.1	.00	29.15	987.1	866.6	1.24	43.2
13:00	0.007486	12.6	11.7	.00	29.13	986.7	913.4	1.31	135.2
14:00	0.007364	12.3	11.5	.00	29.13	986.5	904.1	1.30	196.6
15:00	0.006398	10.9	10.0	.00	29.11	985.7	826.8	1.19	235.6
16:00	0.006674	11.3	10.5	.00	29.09	985.1	684.6	.98	195.8
17:00	0.006781	11.5	10.6	.00	29.07	984.6	410.3	.59	198.6
18:00	0.006962	11.6	10.9	.00	29.06	984.0	213.6	.31	210.3
19:00	0.007589	12.3	11.9	.00	29.06	984.0	39.5	.06	134.6
20:00	0.008001	13.0	12.5	.00	29.05	983.7	-1.3	.00	78.9
21:00	0.008323	13.2	13.0	.00	29.05	983.9	-1.1	.00	66.4
22:00	0.008474	13.1	13.2	.00	29.06	984.0	-1.7	.00	75.0
23:00	0.008361	13.0	13.0	.00	29.05	983.8	-2.1	.00	80.3
Avg	0.007588	11.8	11.9	.00	29.11	985.8	282.4	.41	115.0
Max	0.008474	13.4	13.2	.00	29.16	987.6	913.4	1.31	235.6
Hr. of Max	22	10	22	23	11	09	13	13	15
Min	0.006398	9.8	10.0	.00	29.05	983.7	-2.6	.00	43.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/29/2017

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	41.8	58.3	44.2	49.7	10.2	16.9	7.0	.2	.7
01:00	252.5	91.1	236.1	2.9	41.9	32.0	38.0	.5	1.0
02:00	41.6	42.8	46.1	354.1	18.6	39.8	31.7	.6	.9
03:00	38.0	47.0	53.6	36.5	3.3	11.6	8.2	.1	1.1
04:00	3.6	345.5	261.5	333.1	15.9	33.1	11.7	.0	.2
05:00	226.5	329.3	230.5	323.5	9.8	5.3	15.2	1.2	1.2
06:00	110.6	11.3	18.9	11.0	11.2	21.4	32.3	.1	.1
07:00	238.4	6.2	228.4	334.9	60.9	37.2	27.5	.5	.0
08:00	54.3	35.0	131.0	22.8	4.2	21.1	6.7	.1	.3
09:00	65.2	61.8	90.4	53.1	19.9	24.9	11.9	2.4	3.4
10:00	67.6	62.2	69.6	53.6	25.0	21.1	17.5	5.0	6.4
11:00	54.6	56.0	53.0	47.0	30.1	22.5	14.9	4.4	6.6
12:00	41.7	40.5	34.9	30.7	33.6	24.7	21.7	3.5	5.3
13:00	142.8	138.0	141.4	131.9	33.5	30.4	25.2	1.7	1.5
14:00	210.0	213.7	198.2	210.3	48.0	39.6	40.2	3.8	4.8
15:00	237.9	232.5	235.9	227.8	57.2	41.6	35.9	3.8	4.4
16:00	210.5	208.5	198.6	204.2	41.2	35.7	32.4	3.9	4.7
17:00	207.2	207.6	203.0	202.6	50.6	44.3	44.7	2.9	3.4
18:00	219.7	216.4	214.0	212.1	26.2	21.8	18.6	3.6	4.3
19:00	147.5	149.7	135.6	143.6	21.3	26.8	21.2	2.4	2.9
20:00	96.1	112.0	69.3	103.8	25.9	25.9	22.5	1.8	2.8
21:00	32.1	54.0	57.6	44.8	28.2	19.0	12.9	1.1	1.6
22:00	54.7	75.7	67.6	66.9	23.0	9.2	6.6	1.4	3.3
23:00	50.5	72.2	72.9	63.2	20.2	28.1	13.5	1.0	2.5
Avg	84.0	65.0	109.0	41.0	27.5	26.4	21.6	.0	.0
Max	252.5	345.5	261.5	354.1	60.9	44.3	44.7	5.0	6.6
Hr. of Max	01	04	04	02	07	17	17	10	11
Min	3.6	6.2	18.9	2.9	3.3	5.3	6.6	.0	.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/29/2017

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	2.6	.2	.7	2.6	.6	2.8	2.2	1.5	.03
01:00	.4	.7	1.0	1.2	1.1	1.4	1.9	.0	.04
02:00	.9	.6	1.0	1.0	.9	1.3	1.9	.4	.03
03:00	2.3	.1	1.1	2.4	.5	2.6	2.5	1.9	.03
04:00	2.8	.1	.4	2.9	.6	3.1	.0	3.2	.00
05:00	1.1	1.2	1.2	1.4	1.8	1.6	1.2	2.3	.02
06:00	.7	.1	.6	1.3	.8	1.5	2.2	-.3	.03
07:00	.4	.5	.5	.8	1.0	1.1	2.8	-.8	.05
08:00	2.1	.1	.3	2.2	.5	2.4	5.0	-.6	.09
09:00	5.8	2.6	3.6	5.9	3.1	6.3	.5	2.3	.02
10:00	7.6	5.5	6.9	7.9	6.0	8.5	.9	5.3	-.10
11:00	8.3	4.9	7.0	8.6	5.4	9.1	.0	3.4	-.27
12:00	5.8	4.4	5.9	6.3	5.1	6.9	-2.3	-.4	-.32
13:00	1.6	4.6	5.1	5.3	5.2	6.0	-1.0	-1.6	-.12
14:00	5.0	4.9	5.8	5.9	5.6	6.7	1.9	3.0	.10
15:00	4.8	4.8	5.3	5.7	5.4	6.4	-.3	-4.8	-.13
16:00	5.1	5.1	5.9	6.0	5.7	6.6	1.5	.4	.05
17:00	3.9	4.2	4.5	4.8	4.7	5.3	1.9	-.8	.08
18:00	4.6	3.9	4.5	4.8	4.4	5.3	.0	.2	-.09
19:00	3.8	2.9	3.5	4.2	3.4	4.7	2.5	.7	.07
20:00	4.0	2.3	3.4	4.5	2.7	4.9	-1.2	1.5	-.14
21:00	3.2	1.3	1.7	3.3	1.4	3.5	3.2	1.7	.09
22:00	4.4	1.6	3.3	4.5	1.8	4.7	3.1	1.0	.08
23:00	3.9	1.2	2.7	4.0	1.5	4.2	1.8	.4	.03
Avg	.0	2.4	3.2	4.1	2.9	4.5	1.3	.8	-.01
Max	8.3	5.5	7.0	8.6	6.0	9.1	5.0	5.3	.10
Hr. of Max	11	10	11	11	10	11	08	10	14
Min	.4	.1	.3	.8	.5	1.1	-2.3	-4.8	-.32
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/29/2017

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	1.6	2.1	4.8	8.3	3.7	13.8	15.2
01:00	.01	2.1	2.5	4.8	5.7	5.3	12.7	14.1
02:00	.05	2.3	2.3	2.7	7.6	6.4	12.0	13.8
03:00	.09	.9	3.4	4.4	6.6	4.2	11.3	13.5
04:00	.17	1.1	2.3	5.5	5.5	4.2	11.0	13.2
05:00	.07	3.4	3.9	3.7	5.3	5.4	10.0	12.2
06:00	.00	1.1	1.8	2.7	7.2	6.3	9.9	11.9
07:00	-.01	3.0	1.8	2.3	5.7	7.1	9.4	11.3
08:00	-.06	1.6	1.8	5.7	14.7	4.3	10.5	11.9
09:00	.17	10.1	11.4	12.4	22.7	11.9	14.5	14.0
10:00	.59	13.3	17.2	17.6	18.4	15.7	17.5	16.6
11:00	.38	13.7	19.7	25.4	21.9	14.9	19.4	18.1
12:00	-.07	11.7	15.6	16.9	21.7	19.6	20.7	19.6
13:00	-.22	10.5	12.1	13.5	21.5	23.4	22.0	21.1
14:00	.10	15.1	15.1	14.2	21.8	25.7	23.4	22.5
15:00	-.62	15.6	15.1	16.7	22.1	23.0	24.3	23.5
16:00	-.05	16.3	16.7	17.4	18.5	18.9	25.2	24.3
17:00	-.11	10.5	11.0	16.9	19.3	23.5	25.7	24.9
18:00	-.10	14.9	11.0	14.9	15.7	16.5	26.1	25.3
19:00	-.09	8.2	8.5	9.8	17.3	18.4	25.4	24.9
20:00	-.03	6.6	9.2	10.3	18.5	17.1	24.1	23.9
21:00	.10	5.5	8.5	8.0	9.6	7.0	21.7	23.0
22:00	.08	4.4	5.5	7.1	6.7	3.5	19.8	22.2
23:00	.03	3.7	6.6	8.7	10.0	6.7	18.3	21.4
Avg	.02	7.4	8.5	10.3	13.8	12.2	17.9	18.4
Max	.59	16.3	19.7	25.4	22.7	25.7	26.1	25.3
Hr. of Max	10	16	11	11	09	14	18	18
Min	-.62	.9	1.8	2.3	5.3	3.5	9.4	11.3
Count	24	24	24	24	24	24	24	24
Total								