Date Printed: 04/13/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/12/2017

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	19.3	19.7	19.6	19.5	.37	.27	.25	-.10	-.12
01:00	17.5	18.5	18.6	18.6	1.09	1.11	1.13	.02	.05
02:00	16.7	17.6	17.6	17.6	.93	.92	.90	-.01	-.03
03:00	16.5	17.0	16.9	16.8	.49	.40	.35	-.09	-.14
04:00	15.6	16.3	16.2	16.2	.67	.62	.60	-.05	-.07
05:00	15.6	16.0	15.9	16.0	.38	.32	.37	-.05	-.01
06:00	15.3	15.9	16.0	16.1	.55	.65	.78	.10	.23
07:00	14.0	15.2	15.6	15.9	1.19	1.63	1.97	.44	.78
08:00	15.0	15.3	15.4	15.6	.32	.40	.62	.07	.30
09:00	17.2	17.1	16.8	16.7	-.17	-.43	-.56	-.26	-.39
10:00	19.1	18.6	18.2	18.0	-.49	-.85	-1.04	-.37	-.55
11:00	20.4	19.7	19.4	19.2	-.66	-1.01	-1.18	-.35	-.52
12:00	22.4	21.5	21.0	20.7	-.86	-1.38	-1.63	-.52	-.76
13:00	23.4	22.5	22.1	21.9	-.87	-1.32	-1.53	-.45	-.66
14:00	24.5	23.7	23.3	23.0	-.75	-1.16	-1.41	-.41	-.66
15:00	25.1	24.4	24.1	23.9	-.67	-1.00	-1.17	-.33	-.50
16:00	25.7	25.2	24.8	24.7	-.49	-.84	-1.01	-.35	-.52
17:00	25.4	25.5	25.3	25.1	.09	-.12	-.25	-.21	-.34
18:00	25.0	25.1	24.9	24.8	.15	-.06	-.19	-.21	-.34
19:00	23.4	24.0	24.0	24.0	.67	.64	.64	-.04	-.04
20:00	21.7	22.7	22.9	23.0	1.00	1.14	1.24	.14	.25
21:00	20.1	21.8	22.1	22.2	1.73	1.96	2.13	.23	.40
22:00	18.1	20.6	21.0	21.3	2.50	2.93	3.19	.43	.69
23:00	15.2	17.5	19.0	19.8	2.25	3.80	4.52	1.55	2.27
Avg	19.7	20.1	20.0	20.0	.39	.36	.36	-.03	-.03
Max	25.7	25.5	25.3	25.1	2.50	3.80	4.52	1.55	2.27
Hr. of Max	16	17	17	17	22	23	23	23	23
Min	14.0	15.2	15.4	15.6	-.87	-1.38	-1.63	-.52	-.76
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/12/2017

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	11.0	10.8	13.7	17.3	59.6	57.7	9.8	9.7	0.008374
01:00	11.1	11.1	13.2	17.2	67.4	62.8	9.9	9.8	0.008425
02:00	11.3	11.1	13.1	17.1	71.6	66.9	10.0	9.9	0.008531
03:00	11.2	11.2	13.0	17.0	72.3	69.8	10.0	10.0	0.0085
04:00	11.6	11.5	13.0	16.9	78.4	74.6	10.3	10.2	0.00874
05:00	11.3	11.2	12.8	16.8	76.9	74.5	10.1	10.0	0.008562
06:00	10.9	10.8	12.4	16.7	76.4	73.1	9.9	9.8	0.008333
07:00	11.0	10.9	12.0	16.6	83.5	76.7	9.9	9.8	0.008355
08:00	11.6	11.0	12.7	16.5	81.5	76.7	10.3	9.9	0.008699
09:00	11.6	11.2	13.5	16.4	70.4	69.4	10.2	10.0	0.008683
10:00	11.7	11.1	14.2	16.4	63.6	62.7	10.3	9.8	0.008782
11:00	11.4	10.6	14.4	16.4	57.5	56.6	10.1	9.5	0.008632
12:00	9.9	9.0	14.1	16.7	46.4	46.0	9.1	8.6	0.007853
13:00	8.8	7.7	13.7	17.1	40.2	39.4	8.4	7.8	0.007269
14:00	8.9	8.0	14.1	17.6	38.0	37.3	8.4	7.9	0.00732
15:00	8.4	7.6	14.0	18.0	35.6	34.8	8.2	7.7	0.007122
16:00	7.7	6.5	13.7	18.3	32.9	31.1	7.8	7.2	0.006815
17:00	.6	-1.8	8.9	18.5	20.8	17.4	4.9	4.1	0.004224
18:00	.0	-2.4	8.3	18.6	20.0	16.7	4.6	3.8	0.003968
19:00	.9	-.5	8.4	18.6	23.5	20.5	4.9	4.4	0.004222
20:00	2.9	2.0	9.2	18.5	29.6	26.3	5.6	5.3	0.004832
21:00	3.8	2.3	9.2	18.3	34.8	28.2	6.0	5.4	0.005136
22:00	4.0	2.5	8.7	18.2	40.1	30.8	6.1	5.5	0.005194
23:00	4.4	3.9	8.0	18.0	49.0	41.4	6.3	6.1	0.005305
Avg	8.2	7.4	12.0	17.4	52.9	49.6	8.4	8.0	0.007162
Max	11.7	11.5	14.4	18.6	83.5	76.7	10.3	10.2	0.008782
Hr. of Max	10	04	11	19	07	08	10	04	10
Min	.0	-2.4	8.0	16.4	20.0	16.7	4.6	3.8	0.003968
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/12/2017

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	0.008297	13.2	13.1	.00	29.32	993.1	-2.6	.00	14.5
01:00	0.008412	13.3	13.3	.00	29.34	993.5	-3.4	.00	69.3
02:00	0.008452	13.4	13.3	.00	29.33	993.4	-2.9	.00	82.9
03:00	0.008465	13.4	13.3	.00	29.32	992.8	-1.4	.00	98.0
04:00	0.008687	13.7	13.7	.00	29.29	991.8	-1.4	.00	75.9
05:00	0.008496	13.5	13.4	.00	29.30	992.3	-2.3	.00	335.3
06:00	0.008262	13.1	13.0	.00	29.31	992.7	-1.8	.00	335.5
07:00	0.008288	13.2	13.1	.00	29.34	993.6	18.2	.03	39.6
08:00	0.008364	13.7	13.2	.00	29.36	994.3	132.6	.19	31.9
09:00	0.008471	13.7	13.4	.00	29.37	994.5	261.7	.38	66.2
10:00	0.008401	13.8	13.3	.00	29.38	994.8	496.6	.71	64.3
11:00	0.008153	13.6	12.9	.00	29.39	995.2	761.6	1.09	101.2
12:00	0.007376	12.4	11.7	.00	29.38	995.0	934.7	1.34	66.5
13:00	0.006752	11.5	10.7	.00	29.36	994.4	963.0	1.38	99.0
14:00	0.006869	11.6	10.9	.00	29.35	993.8	958.2	1.37	80.5
15:00	0.006698	11.2	10.6	.00	29.33	993.3	775.3	1.11	65.9
16:00	0.006256	10.8	9.9	.00	29.31	992.7	631.4	.91	76.8
17:00	0.003562	6.7	5.7	.00	29.31	992.7	256.2	.37	66.2
18:00	0.003336	6.3	5.3	.00	29.32	992.9	205.6	.29	59.4
19:00	0.00384	6.7	6.1	.00	29.32	993.0	62.7	.09	59.7
20:00	0.004549	7.7	7.2	.00	29.33	993.3	-.9	.00	42.5
21:00	0.004631	8.1	7.3	.00	29.35	994.0	-2.4	.00	29.9
22:00	0.00468	8.2	7.4	.00	29.36	994.4	-1.4	.00	51.9
23:00	0.005172	8.4	8.2	.00	29.37	994.6	-1.9	.00	76.5
Avg	0.006853	11.3	10.8	.00	29.34	993.6	268.1	.39	59.0
Max	0.008687	13.8	13.7	.00	29.39	995.2	963.0	1.38	335.5
Hr. of Max	04	10	04	23	11	11	13	13	06
Min	0.003336	6.3	5.3	.00	29.29	991.8	-3.4	.00	14.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/12/2017

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	7.6	3.6	.7	353.5	53.7	35.4	27.4	1.4	3.0
01:00	84.3	85.7	60.6	76.3	27.2	19.1	13.6	1.6	3.4
02:00	91.8	91.8	77.4	82.5	20.4	12.7	10.4	2.8	4.9
03:00	105.8	102.1	99.3	92.8	21.4	21.8	16.1	1.9	2.9
04:00	85.9	83.7	71.1	74.2	21.8	18.0	12.7	2.4	4.3
05:00	349.2	355.1	324.8	344.2	35.6	21.9	17.0	2.0	4.0
06:00	314.5	10.7	308.7	2.1	48.8	36.3	53.5	1.4	2.7
07:00	26.6	12.6	293.3	358.4	41.4	52.9	27.3	.6	1.2
08:00	77.8	56.7	1.8	47.3	33.9	16.8	15.6	.4	1.0
09:00	51.0	44.9	56.1	35.8	29.3	22.6	19.8	1.8	2.5
10:00	54.8	55.8	59.2	46.4	30.4	27.7	21.4	3.8	5.3
11:00	99.5	90.0	97.7	80.5	26.8	24.4	22.2	3.8	4.4
12:00	67.9	63.7	62.1	54.2	38.9	29.7	23.2	3.6	5.4
13:00	94.3	94.7	96.9	84.3	40.6	36.3	32.9	4.2	4.7
14:00	75.6	73.0	74.8	63.8	54.5	53.3	50.5	2.7	3.0
15:00	60.2	62.7	56.3	52.7	40.5	40.3	39.1	2.8	3.4
16:00	71.6	67.5	70.1	58.4	45.0	40.9	35.6	3.0	4.1
17:00	62.1	61.0	60.7	51.7	24.7	17.7	12.7	5.3	9.1
18:00	56.4	55.1	54.0	45.4	28.2	17.2	11.4	5.3	10.4
19:00	54.8	53.8	51.9	44.4	27.8	15.7	10.5	4.2	8.2
20:00	40.0	38.5	33.9	27.7	27.6	13.6	9.7	3.7	8.6
21:00	30.4	30.6	23.0	18.9	25.9	12.1	10.7	3.5	7.8
22:00	38.8	33.9	42.3	22.9	23.8	18.9	11.4	1.9	4.7
23:00	46.5	56.4	65.7	47.3	20.1	14.5	5.4	.9	2.5
Avg	57.0	55.0	49.0	45.0	32.8	25.8	21.3	.0	.0
Max	349.2	355.1	324.8	358.4	54.5	53.3	53.5	5.3	10.4
Hr. of Max	05	05	05	07	14	14	06	18	18
Min	7.6	3.6	.7	2.1	20.1	12.1	5.4	.4	1.0
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)

4/12/2017

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	4.6	2.7	4.4	6.2	3.2	6.7	.8	.6	-.18
01:00	4.6	1.9	3.6	4.8	2.2	5.0	3.1	4.3	.07
02:00	5.9	3.0	5.0	6.0	3.4	6.3	3.6	3.5	.18
03:00	3.8	2.0	3.1	4.0	2.5	4.3	7.1	4.5	.26
04:00	5.6	2.6	4.7	5.9	3.0	6.2	3.2	3.0	.09
05:00	6.0	2.7	4.9	7.2	3.1	7.5	-2.1	-.4	-.24
06:00	4.6	2.3	3.4	4.8	2.8	5.2	.4	3.0	-.18
07:00	2.4	1.0	1.4	2.6	1.4	2.8	.3	1.4	-.02
08:00	2.2	.6	1.0	2.3	1.1	2.5	-2.9	.0	-.10
09:00	3.1	2.1	2.7	3.3	2.5	3.6	.5	2.8	-.06
10:00	6.2	4.4	5.8	6.6	4.8	7.1	-.6	1.3	-.25
11:00	4.9	4.3	4.8	5.3	4.9	5.9	2.6	2.5	.12
12:00	6.7	4.9	6.5	7.5	5.6	8.1	-.8	3.6	-.24
13:00	4.9	5.1	5.7	6.1	5.9	6.7	1.0	1.2	-.01
14:00	3.3	4.2	4.8	5.3	4.7	6.0	.3	3.0	-.05
15:00	3.9	3.9	4.6	5.0	4.5	5.8	-2.8	-3.2	-.30
16:00	4.8	3.9	5.2	5.9	4.5	6.5	1.1	2.1	.05
17:00	11.5	5.9	9.5	11.8	6.3	12.2	-.5	.9	-.33
18:00	13.3	5.8	10.8	13.6	6.3	14.0	1.0	1.0	-.22
19:00	10.9	4.6	8.5	11.0	5.1	11.5	-.4	1.8	-.36
20:00	11.4	4.0	8.9	11.6	4.6	12.1	.8	1.0	-.23
21:00	10.2	3.8	8.0	10.4	4.1	10.9	-1.5	1.9	-.30
22:00	6.7	2.2	5.2	7.1	2.4	7.4	1.2	3.4	-.03
23:00	4.6	1.0	2.6	4.7	1.2	4.9	3.0	2.3	.06
Avg	.0	3.3	5.2	6.6	3.8	7.1	.8	1.9	-.09
Max	13.3	5.9	10.8	13.6	6.3	14.0	7.1	4.5	.26
Hr. of Max	18	17	18	18	18	18	03	03	03
Min	2.2	.6	1.0	2.3	1.1	2.5	-2.9	-3.2	-.36
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/12/2017

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	11.0	14.4	17.6	22.3	15.3	20.3	19.8
01:00	.35	6.6	8.7	9.4	16.5	8.0	19.2	18.9
02:00	.34	9.6	10.1	11.0	15.1	8.1	18.3	17.9
03:00	.31	7.3	8.7	10.3	17.0	12.2	17.7	17.2
04:00	.27	7.8	11.0	11.4	15.9	8.1	17.0	16.6
05:00	-.13	9.2	12.4	17.4	19.1	9.6	16.7	16.3
06:00	.17	8.7	12.4	14.9	17.8	17.0	16.5	16.4
07:00	.11	3.9	4.6	6.0	7.7	11.2	15.8	16.3
08:00	-.02	3.7	4.8	4.6	13.5	5.0	16.1	16.0
09:00	.12	6.6	8.5	10.3	22.2	16.1	17.8	17.1
10:00	-.05	11.4	13.1	13.3	21.5	16.6	19.3	18.3
11:00	.23	11.4	14.4	12.8	19.2	21.2	20.4	19.5
12:00	.40	12.4	14.7	17.6	21.5	18.0	22.0	20.8
13:00	.23	14.4	14.7	14.0	21.8	20.4	22.8	21.8
14:00	.30	12.1	14.7	15.3	24.3	25.3	24.1	23.0
15:00	-.42	13.5	17.4	12.8	24.9	25.3	24.7	23.8
16:00	.13	12.4	12.8	14.9	23.5	21.1	25.5	24.5
17:00	.06	21.5	23.1	24.5	20.2	9.1	25.3	24.5
18:00	.07	16.3	30.0	28.4	21.0	8.3	24.9	24.1
19:00	.24	14.9	17.2	23.4	21.0	8.6	23.9	23.5
20:00	.09	12.1	17.6	18.8	20.6	8.6	22.7	22.5
21:00	.25	11.0	15.8	25.4	18.4	8.5	21.8	21.9
22:00	.41	7.6	16.7	25.6	16.4	7.1	20.6	21.0
23:00	.19	2.3	6.0	8.7	8.6	3.5	17.6	19.6
Avg	.15	10.3	13.5	15.4	18.8	13.0	20.5	20.1
Max	.41	21.5	30.0	28.4	24.9	25.3	25.5	24.5
Hr. of Max	22	17	18	18	15	15	16	17
Min	-.42	2.3	4.6	4.6	7.7	3.5	15.8	16.0
Count	24	24	24	24	24	24	24	24
Total								