Date Printed: 03/12/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

3/11/2017

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	.7	3.8	4.8	5.4	3.10	4.11	4.64	1.01	1.54
01:00	.5	3.7	4.6	4.8	3.21	4.09	4.34	.87	1.13
02:00	.2	2.6	3.8	4.1	2.35	3.55	3.89	1.21	1.54
03:00	1.3	2.4	2.9	3.1	1.02	1.56	1.80	.54	.78
04:00	1.6	2.8	3.0	3.2	1.22	1.41	1.63	.19	.42
05:00	2.6	3.2	3.1	3.0	.52	.45	.39	-.07	-.13
06:00	2.6	2.6	2.4	2.3	.00	-.18	-.29	-.18	-.29
07:00	2.2	2.2	2.0	1.9	-.05	-.25	-.37	-.20	-.32
08:00	2.3	2.1	1.9	1.7	-.20	-.46	-.62	-.26	-.41
09:00	2.7	2.4	2.0	1.9	-.31	-.63	-.81	-.32	-.50
10:00	2.8	2.5	2.2	2.0	-.29	-.61	-.80	-.33	-.51
11:00	2.5	2.1	1.8	1.6	-.38	-.70	-.89	-.32	-.51
12:00	3.2	2.6	2.1	1.8	-.65	-1.08	-1.40	-.43	-.75
13:00	4.0	3.4	3.0	2.7	-.57	-.95	-1.21	-.38	-.65
14:00	4.8	4.1	3.7	3.5	-.64	-1.07	-1.33	-.43	-.68
15:00	4.9	4.4	4.1	3.8	-.46	-.80	-1.04	-.34	-.57
16:00	5.1	4.8	4.5	4.3	-.33	-.63	-.79	-.30	-.46
17:00	5.1	4.9	4.6	4.5	-.18	-.43	-.57	-.25	-.39
18:00	5.0	4.9	4.7	4.6	-.03	-.23	-.35	-.19	-.31
19:00	3.7	4.4	4.5	4.5	.61	.77	.75	.15	.13
20:00	3.5	4.0	4.3	4.4	.54	.85	.91	.31	.38
21:00	4.3	4.5	4.4	4.3	.20	.11	.04	-.09	-.16
22:00	4.2	4.2	4.1	4.0	.06	-.08	-.16	-.15	-.23
23:00	3.8	4.0	3.9	3.9	.24	.19	.15	-.04	-.09
Avg	3.1	3.4	3.4	3.4	.37	.37	.33	.00	-.04
Max	5.1	4.9	4.8	5.4	3.21	4.11	4.64	1.21	1.54
Hr. of Max	17	18	00	00	01	00	00	02	02
Min	.2	2.1	1.8	1.6	-.65	-1.08	-1.40	-.43	-.75
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/11/2017

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	-3.9	-8.7	-2.4	11.4	71.5	40.1	3.6	2.5	0.002884
01:00	-3.6	-8.0	-2.3	11.1	74.5	42.7	3.7	2.6	0.002946
02:00	-3.6	-7.2	-2.3	10.8	75.6	48.9	3.7	2.8	0.002942
03:00	-3.2	-6.2	-1.7	10.6	72.2	53.5	3.8	3.0	0.003039
04:00	-3.2	-6.9	-1.6	10.4	71.1	49.4	3.8	2.9	0.00304
05:00	-4.8	-8.3	-2.3	10.2	59.2	43.3	3.4	2.6	0.002725
06:00	-8.1	-9.8	-4.5	10.0	45.6	39.8	2.6	2.3	0.002104
07:00	-8.8	-10.4	-5.1	9.8	44.5	39.4	2.5	2.2	0.001994
08:00	-8.3	-9.9	-4.8	9.7	45.7	41.1	2.6	2.3	0.002059
09:00	-9.3	-10.9	-5.3	9.5	41.5	37.2	2.4	2.1	0.001915
10:00	-9.5	-10.9	-5.4	9.4	40.5	36.8	2.4	2.1	0.001884
11:00	-8.1	-9.4	-4.6	9.3	45.8	42.7	2.6	2.4	0.002088
12:00	-7.7	-9.1	-4.1	9.2	45.0	42.2	2.7	2.4	0.002162
13:00	-7.6	-8.9	-3.7	9.2	43.2	40.5	2.7	2.5	0.002191
14:00	-6.9	-8.2	-3.0	9.3	43.0	40.5	2.9	2.6	0.002312
15:00	-6.3	-7.5	-2.6	9.5	44.6	42.0	3.0	2.7	0.002411
16:00	-6.7	-7.9	-2.8	9.6	42.5	39.8	2.9	2.7	0.00234
17:00	-7.0	-8.1	-3.0	9.7	41.7	38.8	2.8	2.6	0.002291
18:00	-6.5	-7.8	-2.7	9.7	43.8	39.8	3.0	2.7	0.002382
19:00	-4.7	-7.1	-1.9	9.6	54.6	43.6	3.4	2.8	0.002725
20:00	-3.9	-6.7	-1.4	9.5	59.1	46.2	3.6	2.9	0.002894
21:00	-7.7	-10.3	-3.7	9.4	42.2	33.8	2.7	2.2	0.002186
22:00	-8.4	-9.9	-4.2	9.3	39.9	35.5	2.6	2.3	0.00205
23:00	-6.7	-9.6	-3.2	9.2	47.0	37.0	2.9	2.3	0.002346
Avg	-6.4	-8.7	-3.3	9.8	51.4	41.4	3.0	2.5	0.002413
Max	-3.2	-6.2	-1.4	11.4	75.6	53.5	3.8	3.0	0.00304
Hr. of Max	04	03	20	00	02	03	04	03	04
Min	-9.5	-10.9	-5.4	9.2	39.9	33.8	2.4	2.1	0.001884
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/11/2017

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	0.002014	4.6	3.2	.00	29.33	993.4	-2.2	.00	24.2
01:00	0.002121	4.7	3.4	.00	29.34	993.6	-2.7	.00	349.4
02:00	0.002249	4.7	3.6	.00	29.36	994.2	-2.4	.00	192.2
03:00	0.002424	4.8	3.9	.00	29.36	994.3	-2.8	.00	112.0
04:00	0.002305	4.8	3.7	.00	29.37	994.5	-2.4	.00	24.4
05:00	0.002076	4.3	3.3	.00	29.37	994.8	-2.6	.00	61.3
06:00	0.001834	3.4	2.9	.00	29.39	995.2	-2.7	.00	57.7
07:00	0.001759	3.2	2.8	.00	29.41	996.1	9.6	.01	57.9
08:00	0.001823	3.3	2.9	.00	29.44	997.0	73.6	.11	59.6
09:00	0.00168	3.1	2.7	.00	29.46	997.8	125.9	.18	60.5
10:00	0.00168	3.0	2.7	.00	29.47	997.9	122.8	.18	69.3
11:00	0.001895	3.3	3.0	.00	29.47	998.0	199.2	.29	77.5
12:00	0.001933	3.5	3.1	.00	29.46	997.7	459.3	.66	63.5
13:00	0.00197	3.5	3.1	.00	29.43	996.6	461.9	.66	80.4
14:00	0.002081	3.7	3.3	.00	29.40	995.5	382.7	.55	66.9
15:00	0.002199	3.8	3.5	.00	29.38	994.8	311.3	.45	79.9
16:00	0.00214	3.7	3.4	.00	29.37	994.6	155.8	.22	82.4
17:00	0.002101	3.6	3.3	.00	29.36	994.2	57.1	.08	79.0
18:00	0.00216	3.8	3.4	.00	29.36	994.3	5.5	.01	103.8
19:00	0.002273	4.3	3.6	.00	29.36	994.4	-2.2	.00	302.6
20:00	0.002349	4.6	3.7	.00	29.37	994.5	-2.3	.00	21.2
21:00	0.001776	3.5	2.8	.00	29.38	994.8	-2.4	.00	41.7
22:00	0.001832	3.3	2.9	.00	29.38	995.0	-2.5	.00	60.0
23:00	0.001881	3.7	3.0	.00	29.38	994.9	-1.9	.00	77.2
Avg	0.002023	3.8	3.2	.00	29.39	995.3	97.3	.14	61.0
Max	0.002424	4.8	3.9	.00	29.47	998.0	461.9	.66	349.4
Hr. of Max	03	04	03	23	11	11	13	13	01
Min	0.00168	3.0	2.7	.00	29.33	993.4	-2.8	.00	21.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/11/2017

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	347.7	5.6	316.2	354.3	45.4	19.6	10.7	.5	2.4
01:00	354.4	358.7	334.0	348.4	39.9	15.2	11.7	1.4	3.9
02:00	294.7	307.2	237.5	297.4	66.4	38.7	32.1	.4	1.3
03:00	212.6	238.6	239.0	226.6	50.9	44.0	45.7	.3	1.0
04:00	37.6	75.7	347.5	66.0	37.3	44.3	23.9	.8	1.5
05:00	56.4	56.8	52.9	47.8	23.6	14.6	10.4	2.7	5.6
06:00	51.7	51.1	50.8	41.7	25.0	15.6	10.1	4.6	9.1
07:00	52.1	51.4	51.8	41.9	28.7	16.7	10.5	4.6	9.0
08:00	55.1	56.0	53.9	46.8	27.7	17.6	11.6	4.3	8.0
09:00	54.6	54.2	52.7	44.7	26.1	16.9	10.3	4.3	8.4
10:00	64.4	60.6	62.2	51.5	25.8	19.9	15.4	4.9	7.7
11:00	71.3	68.9	74.2	60.4	27.5	27.1	22.2	3.9	5.3
12:00	55.8	52.6	56.6	43.3	32.1	25.6	21.5	4.8	7.0
13:00	73.2	69.9	74.9	61.1	30.5	26.6	22.5	4.3	5.2
14:00	60.2	56.0	61.1	46.9	34.3	25.9	21.4	4.5	6.4
15:00	73.2	71.2	76.0	62.2	26.4	25.2	19.8	4.0	4.8
16:00	81.1	76.2	79.3	66.7	29.6	27.5	21.4	3.2	3.7
17:00	75.3	72.0	74.3	63.1	28.0	23.9	21.5	3.1	4.3
18:00	108.2	100.3	104.0	90.2	22.8	21.8	20.9	2.5	3.2
19:00	239.7	193.5	271.9	194.5	30.3	16.9	34.4	.5	.9
20:00	349.1	343.8	340.1	333.4	36.9	13.7	12.0	.7	2.1
21:00	36.7	36.9	25.0	26.8	32.1	20.9	16.4	1.5	3.4
22:00	60.2	59.7	46.7	50.1	34.0	30.8	22.7	1.8	3.5
23:00	136.1	110.3	304.7	97.0	39.2	38.1	46.2	.4	1.0
Avg	54.0	55.0	39.0	45.0	33.4	24.5	20.6	.0	.0
Max	354.4	358.7	347.5	354.3	66.4	44.3	46.2	4.9	9.1
Hr. of Max	01	01	04	00	02	04	23	10	06
Min	36.7	5.6	25.0	26.8	22.8	13.7	10.1	.3	.9
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

3/11/2017

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	5.2	1.1	2.5	5.4	1.5	5.6	1.2	2.9	.00
01:00	5.8	2.0	4.2	5.9	2.3	6.2	-1.8	2.2	-.10
02:00	2.6	1.1	2.0	3.1	1.5	3.2	1.3	3.2	.01
03:00	1.5	.9	1.6	2.0	1.3	2.2	2.0	.2	.03
04:00	2.2	1.0	1.6	2.5	1.5	2.8	-1.7	-1.3	-.09
05:00	7.6	3.0	5.8	7.8	3.4	8.1	-2.0	2.1	-.23
06:00	11.2	5.0	9.4	11.4	5.3	11.8	.5	.7	-.30
07:00	11.4	5.1	9.3	11.5	5.5	12.0	-.1	.5	-.33
08:00	10.5	4.7	8.3	10.7	5.0	11.2	1.9	1.6	-.17
09:00	10.9	4.8	8.7	11.1	5.2	11.5	.6	.6	-.30
10:00	9.6	5.3	8.2	10.0	5.9	10.4	.0	.8	-.25
11:00	6.4	4.5	6.1	7.1	5.1	7.6	-.4	6.3	-.11
12:00	9.0	5.5	7.8	9.6	6.1	10.2	1.1	3.6	-.14
13:00	6.1	4.8	5.8	6.6	5.3	7.1	.9	4.5	-.02
14:00	7.5	5.2	7.0	8.0	5.5	8.6	-.3	1.9	-.22
15:00	5.8	4.4	5.3	6.2	4.8	6.6	1.7	3.1	-.02
16:00	4.5	3.6	4.1	4.8	4.0	5.4	3.3	5.3	.12
17:00	5.0	3.3	4.7	5.4	3.8	5.7	2.2	4.0	.05
18:00	3.6	2.6	3.5	3.9	3.1	4.4	7.8	10.4	.31
19:00	.9	1.2	1.7	1.3	1.7	1.6	2.2	-.8	.06
20:00	2.3	1.1	2.5	2.8	1.3	3.0	-.3	3.3	-.05
21:00	4.3	1.9	3.7	4.6	2.2	4.9	-3.8	.3	-.25
22:00	4.4	2.2	4.0	4.9	2.6	5.3	1.8	2.6	-.12
23:00	1.9	1.1	2.1	2.5	1.7	2.9	3.5	9.8	.15
Avg	.0	3.1	5.0	6.2	3.6	6.6	.9	2.8	-.08
Max	11.4	5.5	9.4	11.5	6.1	12.0	7.8	10.4	.31
Hr. of Max	07	12	06	07	12	07	18	18	18
Min	.9	.9	1.6	1.3	1.3	1.6	-3.8	-1.3	-.33
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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3/11/2017

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	.26	3.4	8.0	11.0	10.2	5.1	3.7	5.0
01:00	.24	6.0	8.5	9.2	11.9	3.5	3.6	4.5
02:00	.12	4.1	6.4	8.7	12.3	11.4	2.5	3.8
03:00	.02	3.4	5.3	5.5	11.3	8.5	2.4	2.8
04:00	-.06	3.4	6.2	7.8	11.0	8.3	2.8	2.9
05:00	.19	11.2	14.4	15.6	18.9	8.9	3.2	2.6
06:00	-.01	14.7	21.1	21.3	21.7	9.2	2.6	1.9
07:00	-.10	19.2	19.5	21.8	21.5	9.9	2.2	1.5
08:00	.18	13.1	23.4	24.0	22.1	9.2	2.1	1.3
09:00	-.01	12.8	21.5	22.4	21.5	8.8	2.3	1.4
10:00	.06	13.3	21.8	29.8	19.5	10.1	2.5	1.6
11:00	.71	11.7	17.2	19.5	19.4	15.5	2.1	1.2
12:00	.42	16.0	18.8	23.1	20.1	14.8	2.6	1.5
13:00	.53	10.8	12.8	13.7	19.1	16.7	3.4	2.4
14:00	.16	12.1	16.7	16.5	19.9	15.7	4.2	3.1
15:00	.29	11.4	11.7	16.3	19.7	15.9	4.4	3.5
16:00	.39	9.6	9.4	11.0	20.3	18.8	4.8	4.0
17:00	.30	8.0	10.3	9.6	20.1	13.1	4.9	4.1
18:00	.72	6.4	8.7	10.5	18.1	15.9	4.9	4.3
19:00	.07	3.4	3.9	5.3	9.9	13.0	4.3	4.2
20:00	.22	6.6	8.7	9.2	12.6	7.2	4.0	4.0
21:00	.00	8.7	10.5	12.8	18.5	9.3	4.4	3.9
22:00	.09	9.6	12.8	12.8	24.1	13.9	4.2	3.6
23:00	.47	6.9	8.9	8.7	19.3	16.4	4.0	3.5
Avg	.22	9.4	12.8	14.4	17.6	11.6	3.4	3.0
Max	.72	19.2	23.4	29.8	24.1	18.8	4.9	5.0
Hr. of Max	18	07	08	10	22	16	18	00
Min	-.10	3.4	3.9	5.3	9.9	3.5	2.1	1.2
Count	24	24	24	24	24	24	24	24
Total								