Date Printed: 01/31/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

1/30/2017

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	1.6	1.7	1.5	1.4	.00	-.16	-.24	-.16	-.24
01:00	.7	.9	.8	.7	.14	.04	-.03	-.10	-.17
02:00	.3	.4	.3	.2	.14	.00	-.08	-.14	-.22
03:00	-.3	-.1	-.2	-.2	.20	.11	.05	-.09	-.14
04:00	-1.9	-.7	-.5	-.4	1.21	1.40	1.49	.19	.28
05:00	-2.3	-1.1	-.8	-.5	1.20	1.54	1.76	.34	.55
06:00	-2.3	-1.1	-.7	-.4	1.22	1.60	1.86	.37	.63
07:00	-2.2	-.9	-.6	-.3	1.28	1.64	1.90	.35	.62
08:00	-.7	-.1	.0	.0	.63	.66	.71	.03	.08
09:00	1.6	1.1	.9	.7	-.45	-.71	-.85	-.26	-.40
10:00	2.0	1.5	1.3	1.1	-.49	-.76	-.90	-.27	-.41
11:00	3.7	3.0	2.7	2.5	-.69	-1.05	-1.18	-.36	-.49
12:00	4.9	4.0	3.7	3.6	-.82	-1.14	-1.28	-.32	-.46
13:00	6.5	5.5	5.2	5.0	-1.04	-1.36	-1.54	-.32	-.50
14:00	7.9	7.0	6.6	6.5	-.99	-1.34	-1.49	-.35	-.50
15:00	9.2	8.5	8.1	8.0	-.75	-1.08	-1.23	-.32	-.48
16:00	9.4	8.9	8.6	8.4	-.49	-.78	-.93	-.29	-.43
17:00	8.6	8.6	8.5	8.4	.04	-.12	-.16	-.15	-.20
18:00	6.1	7.5	7.7	7.9	1.44	1.64	1.81	.19	.37
19:00	3.1	6.0	6.9	7.4	2.88	3.74	4.29	.86	1.41
20:00	1.2	4.4	5.7	6.4	3.19	4.54	5.26	1.35	2.06
21:00	.6	4.4	5.8	6.4	3.78	5.17	5.77	1.39	1.99
22:00	.2	4.0	5.2	5.6	3.82	4.97	5.36	1.14	1.54
23:00	.0	2.9	4.4	5.6	2.97	4.44	5.64	1.47	2.67
Avg	2.4	3.2	3.4	3.5	.77	.96	1.08	.19	.32
Max	9.4	8.9	8.6	8.4	3.82	5.17	5.77	1.47	2.67
Hr. of Max	16	16	16	17	22	21	21	23	23
Min	-2.3	-1.1	-.8	-.5	-1.04	-1.36	-1.54	-.36	-.50
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/30/2017

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	-3.9	-4.2	-2.0	6.7	67.5	65.9	3.6	3.5	0.002924
01:00	-3.9	-4.3	-2.4	6.6	71.8	69.2	3.6	3.5	0.002918
02:00	-7.3	-7.9	-4.8	6.5	57.0	53.9	2.8	2.7	0.002244
03:00	-8.0	-8.5	-5.4	6.3	56.4	53.3	2.7	2.6	0.00213
04:00	-6.5	-8.2	-5.0	6.2	71.5	57.2	3.0	2.6	0.002389
05:00	-5.8	-8.0	-4.7	6.0	77.1	59.8	3.2	2.7	0.002508
06:00	-5.5	-7.5	-4.4	5.9	79.1	61.9	3.3	2.8	0.002575
07:00	-5.5	-7.1	-4.4	5.8	78.8	63.4	3.3	2.9	0.002576
08:00	-5.3	-6.9	-3.7	5.6	71.9	60.3	3.3	2.9	0.002618
09:00	-6.0	-7.0	-3.5	5.6	57.3	55.0	3.1	2.9	0.002471
10:00	-5.9	-6.7	-3.3	5.5	56.0	54.5	3.1	2.9	0.002493
11:00	-5.6	-6.6	-2.5	5.6	51.3	49.6	3.2	2.9	0.00257
12:00	-6.0	-7.0	-2.4	5.6	45.6	44.9	3.1	2.9	0.002482
13:00	-6.2	-7.0	-2.0	5.7	40.2	40.6	3.0	2.8	0.002459
14:00	-6.8	-7.8	-1.9	6.0	35.0	34.6	2.9	2.7	0.002358
15:00	-10.6	-11.9	-4.0	6.2	24.0	22.9	2.1	1.9	0.001764
16:00	-10.8	-11.9	-4.1	6.4	23.4	22.2	2.1	1.9	0.001736
17:00	-8.2	-9.0	-2.6	6.5	30.2	28.4	2.6	2.4	0.002123
18:00	-5.5	-6.8	-1.6	6.7	44.2	35.9	3.2	2.9	0.002599
19:00	-4.3	-6.5	-1.8	6.7	58.8	40.8	3.5	2.9	0.002828
20:00	-4.0	-6.0	-2.3	6.7	68.8	47.3	3.6	3.1	0.002889
21:00	-4.0	-5.6	-2.4	6.7	71.7	48.7	3.6	3.2	0.002895
22:00	-3.6	-5.2	-2.3	6.6	75.9	51.4	3.7	3.3	0.002971
23:00	-3.6	-4.3	-2.4	6.5	77.2	59.3	3.7	3.5	0.002971
Avg	-6.0	-7.2	-3.2	6.2	57.9	49.2	3.1	2.9	0.00252
Max	-3.6	-4.2	-1.6	6.7	79.1	69.2	3.7	3.5	0.002971
Hr. of Max	23	00	18	21	06	01	23	23	23
Min	-10.8	-11.9	-5.4	5.5	23.4	22.2	2.1	1.9	0.001736
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/30/2017

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	0.002853	4.6	4.5	.00	29.06	984.3	-2.6	.00	306.9
01:00	0.002839	4.6	4.5	.00	29.08	984.9	-2.4	.00	261.8
02:00	0.002146	3.5	3.4	.00	29.09	985.3	-2.2	.00	262.1
03:00	0.002043	3.4	3.2	.00	29.10	985.3	-2.1	.00	250.6
04:00	0.002089	3.8	3.3	.00	29.10	985.5	-2.2	.00	224.3
05:00	0.002128	4.0	3.4	.00	29.10	985.6	-2.5	.00	260.9
06:00	0.002205	4.1	3.5	.00	29.13	986.4	-2.4	.00	233.4
07:00	0.002276	4.1	3.6	.00	29.15	987.2	1.7	.00	243.0
08:00	0.002307	4.1	3.7	.00	29.17	987.8	105.7	.15	223.3
09:00	0.002298	3.9	3.6	.00	29.19	988.5	301.0	.43	234.0
10:00	0.00234	3.9	3.7	.00	29.21	989.1	274.1	.39	233.1
11:00	0.002367	4.1	3.7	.00	29.20	988.9	513.9	.74	232.3
12:00	0.002305	3.9	3.6	.00	29.18	988.3	532.6	.76	254.7
13:00	0.00231	3.9	3.7	.00	29.16	987.5	603.3	.86	234.7
14:00	0.002179	3.7	3.4	.00	29.14	987.0	577.0	.83	210.5
15:00	0.001597	2.8	2.5	.00	29.13	986.5	450.9	.65	235.1
16:00	0.001595	2.7	2.5	.00	29.13	986.5	284.8	.41	239.9
17:00	0.002	3.4	3.2	.00	29.13	986.5	81.9	.12	225.3
18:00	0.002354	4.1	3.7	.00	29.12	986.1	-.4	.00	229.7
19:00	0.002404	4.5	3.8	.00	29.13	986.6	-2.3	.00	181.0
20:00	0.00249	4.6	3.9	.00	29.12	986.3	-2.4	.00	161.2
21:00	0.002573	4.6	4.1	.00	29.11	985.9	-2.4	.00	234.1
22:00	0.002643	4.7	4.2	.00	29.10	985.4	-2.6	.00	209.7
23:00	0.002824	4.7	4.5	.00	29.10	985.4	-2.2	.00	78.8
Avg	0.002299	4.0	3.6	.00	29.13	986.5	154.1	.22	233.0
Max	0.002853	4.7	4.5	.00	29.21	989.1	603.3	.86	306.9
Hr. of Max	00	23	23	23	10	10	13	13	00
Min	0.001595	2.7	2.5	.00	29.06	984.3	-2.6	.00	78.8
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/30/2017

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	304.4	298.1	295.0	290.9	48.7	32.1	28.6	2.3	3.5
01:00	273.1	276.3	261.0	270.7	29.7	20.8	18.7	4.9	7.4
02:00	277.3	279.8	261.9	273.8	29.4	24.8	18.6	4.9	7.2
03:00	263.9	266.5	251.8	261.5	22.0	16.6	14.1	4.0	5.7
04:00	248.9	250.3	237.6	245.6	24.4	12.0	9.1	1.3	3.1
05:00	221.3	217.7	263.2	213.6	32.9	12.1	8.7	.7	2.2
06:00	229.8	232.7	241.3	228.7	38.8	11.2	9.8	1.3	3.5
07:00	226.7	221.8	245.3	218.3	13.5	9.2	6.5	2.4	4.6
08:00	237.4	238.2	226.3	233.9	20.0	13.9	13.8	3.1	4.7
09:00	245.9	247.6	234.4	242.8	24.4	20.3	17.3	5.2	6.3
10:00	247.4	250.1	234.6	244.9	28.7	27.6	24.0	4.3	5.0
11:00	243.0	237.9	231.4	232.6	37.8	30.7	29.9	3.8	4.9
12:00	259.0	255.5	252.1	250.6	42.5	33.5	30.0	4.4	5.4
13:00	244.0	243.0	235.4	238.0	34.2	30.5	26.7	6.0	7.5
14:00	220.1	221.3	212.2	217.6	22.2	19.3	15.3	7.1	8.9
15:00	243.0	243.3	235.3	239.0	32.0	27.1	22.4	6.1	7.6
16:00	245.6	243.0	238.4	238.8	28.1	21.6	18.2	5.9	8.2
17:00	236.5	235.4	226.8	231.4	18.0	13.2	11.5	5.6	8.0
18:00	229.4	222.6	232.8	219.1	16.9	8.9	5.8	2.9	5.3
19:00	245.4	223.5	269.6	220.0	30.1	8.5	4.4	.2	1.8
20:00	235.7	205.3	234.4	201.1	57.0	12.8	8.1	.6	2.6
21:00	220.2	199.3	248.0	194.8	25.4	7.9	5.8	.9	3.3
22:00	242.9	214.8	253.8	210.4	67.8	13.3	9.0	.8	3.4
23:00	325.7	267.5	65.8	262.9	11.1	34.5	8.8	.4	.3
Avg	247.0	241.0	244.0	236.0	30.7	19.3	15.2	.0	.0
Max	325.7	298.1	295.0	290.9	67.8	34.5	30.0	7.1	8.9
Hr. of Max	23	00	00	00	22	23	12	14	14
Min	220.1	199.3	65.8	194.8	11.1	7.9	4.4	.2	.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

1/30/2017

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	4.8	3.0	4.1	5.5	3.4	5.8	-2.6	-1.8	-.31
01:00	9.2	5.5	7.9	9.8	5.9	10.1	.1	-.9	-.23
02:00	9.3	5.5	7.8	9.8	6.1	10.1	-.1	-1.4	-.28
03:00	7.2	4.3	6.0	7.5	4.7	7.8	-1.6	-1.5	-.22
04:00	4.8	1.4	3.3	4.9	1.9	5.2	.8	.2	.03
05:00	3.8	.9	2.3	3.8	1.3	4.1	-.6	.0	-.02
06:00	5.0	1.7	3.6	5.1	2.0	5.4	.3	-.1	.00
07:00	6.4	2.5	4.7	6.4	2.8	6.8	-1.4	-.8	-.08
08:00	5.8	3.3	4.8	6.0	3.7	6.5	.5	-1.2	-.01
09:00	7.2	5.7	6.7	7.6	6.3	8.2	1.8	-.8	-.01
10:00	5.6	4.8	5.6	6.2	5.5	6.8	1.4	-1.0	-.05
11:00	5.6	4.6	5.7	6.3	5.2	7.0	2.8	4.0	.13
12:00	6.4	5.5	6.4	7.4	6.0	8.0	1.1	.5	-.15
13:00	8.7	7.3	8.8	9.9	7.8	10.6	-.3	.5	-.27
14:00	9.8	7.6	9.3	10.2	8.2	11.0	1.0	-2.6	-.04
15:00	8.8	7.1	8.5	9.6	7.7	10.2	-.7	-1.5	-.28
16:00	9.9	6.8	9.0	10.6	7.6	11.3	1.0	.4	-.08
17:00	9.7	5.9	8.2	9.9	6.4	10.5	.9	-1.5	-.12
18:00	7.3	3.1	5.5	7.4	3.5	7.8	-.4	-.8	-.05
19:00	4.1	.4	1.9	4.1	1.0	4.4	1.1	-.3	.00
20:00	4.6	.8	2.6	4.7	1.5	4.9	2.5	-1.5	.05
21:00	5.2	.9	3.3	5.3	1.3	5.5	2.3	-1.9	.04
22:00	5.3	1.0	3.5	5.6	1.4	5.9	2.6	-1.2	.06
23:00	4.3	.4	.4	4.4	.8	4.5	1.2	1.5	.01
Avg	.0	3.8	5.4	7.0	4.3	7.4	.6	-.6	-.08
Max	9.9	7.6	9.3	10.6	8.2	11.3	2.8	4.0	.13
Hr. of Max	16	14	14	16	14	16	11	11	11
Min	3.8	.4	.4	3.8	.8	4.1	-2.6	-2.6	-.31
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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1/30/2017

Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	36_SonicTemp_015m	37_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	-.37	12.8	15.1	17.2	20.5	15.5	1.8	1.2
01:00	-.45	19.7	21.3	21.5	17.8	13.3	1.0	.5
02:00	-.55	15.6	19.5	20.6	17.7	12.6	.5	-.1
03:00	-.33	11.7	17.6	19.9	13.0	9.7	.0	-.5
04:00	.00	5.7	7.3	17.4	10.4	5.5	-.7	-.6
05:00	-.01	3.0	7.1	10.5	7.7	5.3	-1.1	-.7
06:00	.00	3.9	5.7	9.8	8.7	4.4	-1.0	-.6
07:00	-.10	4.4	9.6	11.7	6.6	4.2	-.8	-.5
08:00	-.17	8.5	11.9	13.5	9.9	8.2	.0	-.3
09:00	-.29	13.7	14.4	15.8	16.5	13.4	1.1	.3
10:00	-.30	11.9	15.8	14.4	17.5	18.0	1.5	.8
11:00	.26	16.3	18.3	18.1	20.1	20.8	2.9	2.1
12:00	-.22	18.3	18.1	17.4	19.5	18.9	3.9	3.1
13:00	-.25	21.1	20.8	22.7	18.5	16.1	5.3	4.4
14:00	-.66	22.9	25.6	24.7	16.5	13.9	6.8	5.9
15:00	-.61	20.6	22.0	20.8	16.7	15.8	8.2	7.4
16:00	-.14	17.6	20.2	20.2	16.1	11.5	8.7	7.9
17:00	-.34	12.8	20.2	22.4	14.3	7.8	8.6	8.1
18:00	-.12	6.6	13.1	12.6	7.0	3.5	7.6	7.7
19:00	-.02	3.7	7.8	8.9	9.8	2.1	6.0	7.3
20:00	-.14	3.7	6.2	10.1	9.1	4.1	4.3	6.3
21:00	-.18	4.4	8.2	15.6	10.6	4.0	4.1	6.2
22:00	-.12	3.4	6.6	10.1	12.9	5.5	3.9	5.5
23:00	.09	3.0	4.1	11.7	10.7	5.2	2.9	5.5
Avg	-.21	11.1	14.0	16.2	13.7	10.0	3.1	3.2
Max	.26	22.9	25.6	24.7	20.5	20.8	8.7	8.1
Hr. of Max	11	14	14	14	00	11	16	17
Min	-.66	3.0	4.1	8.9	6.6	2.1	-1.1	-.7
Count	24	24	24	24	24	24	24	24
Total								