Date Printed: 02/26/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

2/25/2017

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	19.6	20.1	20.1	20.2	.54	.53	.63	-.01	.10
01:00	17.6	19.1	19.3	19.6	1.47	1.65	1.97	.17	.50
02:00	17.6	18.0	18.0	18.2	.40	.43	.57	.03	.17
03:00	14.2	14.2	14.2	14.2	.07	.02	.04	-.05	-.03
04:00	14.2	14.2	14.1	14.2	.04	-.01	.00	-.05	-.05
05:00	12.8	13.0	13.0	13.0	.23	.20	.23	-.02	.01
06:00	11.5	11.7	11.8	11.8	.27	.28	.35	.01	.08
07:00	10.6	11.2	11.2	11.3	.67	.67	.75	.00	.08
08:00	11.4	11.4	11.3	11.3	.04	-.04	-.05	-.08	-.09
09:00	11.8	11.3	11.0	10.9	-.49	-.75	-.89	-.26	-.40
10:00	11.9	11.1	10.8	10.6	-.79	-1.11	-1.30	-.32	-.51
11:00	12.1	11.1	10.8	10.6	-.95	-1.31	-1.51	-.36	-.57
12:00	11.9	10.8	10.4	10.2	-1.10	-1.44	-1.70	-.35	-.61
13:00	11.8	10.8	10.5	10.3	-1.01	-1.35	-1.55	-.35	-.55
14:00	11.8	10.8	10.4	10.2	-1.05	-1.42	-1.59	-.38	-.54
15:00	11.3	10.4	10.0	9.8	-.93	-1.33	-1.52	-.40	-.60
16:00	10.5	9.8	9.4	9.3	-.70	-1.02	-1.17	-.32	-.47
17:00	8.9	8.6	8.4	8.3	-.31	-.57	-.67	-.26	-.36
18:00	7.2	7.3	7.2	7.1	.08	-.06	-.10	-.14	-.18
19:00	5.6	6.1	6.1	6.0	.51	.45	.42	-.06	-.09
20:00	4.6	5.1	5.1	5.1	.56	.54	.53	-.02	-.03
21:00	3.5	4.3	4.2	4.2	.73	.68	.64	-.05	-.10
22:00	.8	3.6	3.7	3.7	2.85	2.92	2.92	.08	.07
23:00	-.4	1.9	2.4	2.9	2.31	2.82	3.36	.51	1.05
Avg	10.5	10.7	10.6	10.5	.14	.03	.02	-.11	-.13
Max	19.6	20.1	20.1	20.2	2.85	2.92	3.36	.51	1.05
Hr. of Max	00	00	00	00	22	22	23	23	23
Min	-.4	1.9	2.4	2.9	-1.10	-1.44	-1.70	-.40	-.61
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/25/2017

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	11.2	10.8	14.0	14.6	59.8	56.3	9.9	9.7	0.008675
01:00	12.3	11.4	14.1	14.5	72.1	62.1	10.7	10.1	0.009301
02:00	11.9	11.8	13.8	14.5	71.2	68.8	10.5	10.3	0.009099
03:00	13.3	13.5	13.6	14.4	96.3	97.2	11.6	11.7	0.009951
04:00	13.6	13.8	13.8	14.4	97.9	98.9	11.8	11.9	0.010106
05:00	10.5	10.5	11.3	14.3	87.7	86.3	9.7	9.7	0.008283
06:00	7.4	6.9	8.8	14.2	77.2	73.3	7.9	7.6	0.006671
07:00	6.7	5.7	8.0	14.1	78.6	69.5	7.6	7.0	0.006355
08:00	6.0	4.9	7.8	13.9	70.9	65.1	7.2	6.6	0.006048
09:00	2.1	.9	5.3	13.8	52.1	49.6	5.4	5.0	0.004572
10:00	-1.0	-2.3	3.3	13.7	41.4	39.7	4.4	4.0	0.003678
11:00	-2.4	-3.8	2.4	13.7	37.0	35.5	3.9	3.6	0.003314
12:00	-3.2	-4.6	1.8	13.6	35.2	34.2	3.7	3.4	0.003111
13:00	-3.8	-4.9	1.4	13.7	33.9	33.3	3.6	3.3	0.002983
14:00	-3.9	-4.9	1.4	13.9	33.7	33.4	3.5	3.3	0.002971
15:00	-6.1	-7.3	-.3	14.0	29.5	28.6	3.0	2.8	0.002506
16:00	-8.0	-9.1	-1.9	13.9	27.0	26.0	2.6	2.4	0.002169
17:00	-9.6	-10.5	-3.4	13.8	26.5	25.1	2.3	2.2	0.001915
18:00	-8.2	-9.1	-3.1	13.7	32.9	30.7	2.6	2.4	0.002115
19:00	-7.8	-9.3	-3.3	13.5	38.1	32.6	2.7	2.4	0.002188
20:00	-7.9	-9.4	-3.8	13.2	40.4	34.6	2.7	2.4	0.002154
21:00	-7.1	-8.4	-3.6	12.9	46.4	39.8	2.8	2.6	0.002287
22:00	-5.7	-8.2	-3.6	12.6	62.1	42.0	3.2	2.6	0.002526
23:00	-5.1	-7.3	-3.5	12.2	71.2	51.2	3.3	2.8	0.002648
Avg	.6	-.4	3.9	13.8	55.0	50.6	5.7	5.4	0.004818
Max	13.6	13.8	14.1	14.6	97.9	98.9	11.8	11.9	0.010106
Hr. of Max	04	04	01	00	04	04	04	04	04
Min	-9.6	-10.5	-3.8	12.2	26.5	25.1	2.3	2.2	0.001915
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/25/2017

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	0.008464	13.4	13.1	.00	28.76	973.9	-.8	.00	233.2
01:00	0.008799	14.3	13.6	.00	28.75	973.7	-1.1	.00	244.0
02:00	0.009005	14.0	13.9	.10	28.76	974.0	-1.5	.00	245.3
03:00	0.010087	15.3	15.6	.24	28.78	974.7	-2.2	.00	228.9
04:00	0.010236	15.6	15.8	.01	28.78	974.8	-1.8	.00	226.6
05:00	0.008286	12.8	12.8	.00	28.81	975.8	-2.4	.00	261.0
06:00	0.006453	10.4	10.0	.00	28.84	976.8	-2.2	.00	259.2
07:00	0.005898	9.9	9.2	.00	28.88	977.9	18.7	.03	239.4
08:00	0.005586	9.4	8.7	.00	28.91	978.9	181.6	.26	234.6
09:00	0.004216	7.1	6.6	.00	28.93	979.6	429.1	.62	245.6
10:00	0.003346	5.8	5.2	.00	28.94	980.2	607.6	.87	253.9
11:00	0.002988	5.2	4.7	.00	28.96	980.8	745.6	1.07	260.2
12:00	0.00281	4.9	4.4	.00	28.98	981.4	817.7	1.17	262.1
13:00	0.002741	4.7	4.3	.00	28.98	981.3	692.3	.99	263.3
14:00	0.002738	4.7	4.3	.00	28.98	981.5	686.4	.98	271.7
15:00	0.002288	3.9	3.6	.00	29.00	982.2	592.3	.85	268.8
16:00	0.001992	3.4	3.1	.00	29.03	983.0	398.6	.57	276.6
17:00	0.001778	3.0	2.8	.00	29.06	984.1	160.9	.23	264.9
18:00	0.001982	3.3	3.1	.00	29.08	984.8	5.6	.01	257.1
19:00	0.001943	3.5	3.1	.00	29.11	985.8	-2.2	.00	265.1
20:00	0.001919	3.4	3.0	.00	29.14	986.9	-2.4	.00	269.9
21:00	0.002074	3.6	3.3	.00	29.17	987.9	-2.4	.00	277.2
22:00	0.002099	4.0	3.3	.00	29.19	988.6	-2.7	.00	266.8
23:00	0.002251	4.2	3.6	.00	29.20	988.8	-2.6	.00	27.3
Avg	0.004582	7.5	7.1	.01	28.96	980.7	221.3	.32	257.0
Max	0.010236	15.6	15.8	.24	29.20	988.8	817.7	1.17	277.2
Hr. of Max	04	04	04	03	23	23	12	12	21
Min	0.001778	3.0	2.8	.00	28.75	973.7	-2.7	.00	27.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/25/2017

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	233.8	222.8	235.8	218.1	27.0	20.7	17.5	4.6	6.9
01:00	235.7	218.2	248.8	214.3	34.8	13.4	10.3	2.7	5.0
02:00	252.1	249.0	246.7	244.8	21.3	15.4	12.8	5.5	8.8
03:00	236.7	236.7	230.3	232.8	25.5	19.6	16.5	4.1	6.2
04:00	232.6	228.3	228.6	224.4	21.3	13.8	10.9	3.5	5.5
05:00	276.8	280.8	260.3	274.8	22.4	18.4	15.3	5.5	8.1
06:00	273.9	278.5	258.4	272.6	24.4	19.1	14.6	5.8	8.5
07:00	251.5	254.7	240.3	250.1	20.4	15.6	13.0	3.6	5.3
08:00	245.8	246.9	235.2	242.4	21.0	14.7	12.8	5.2	7.6
09:00	251.7	252.4	244.4	247.6	23.6	20.1	16.5	7.8	10.4
10:00	260.9	261.2	253.8	255.8	26.8	21.6	17.9	8.7	11.2
11:00	267.9	268.1	260.0	262.7	26.2	20.2	17.3	9.9	12.8
12:00	269.4	268.9	261.6	262.8	31.2	27.7	24.8	9.4	12.3
13:00	272.5	274.4	261.2	267.7	38.4	32.6	28.2	6.7	9.1
14:00	279.2	280.0	270.1	273.4	31.0	24.7	21.1	7.7	10.4
15:00	272.5	272.5	266.9	266.5	30.8	24.4	20.6	7.4	10.6
16:00	287.2	287.1	274.6	280.3	34.1	26.8	24.1	6.5	8.4
17:00	274.8	276.8	264.1	270.8	25.6	21.0	19.8	6.5	8.6
18:00	269.9	273.4	256.5	267.9	22.4	18.3	13.9	5.6	7.5
19:00	283.7	289.0	262.9	282.2	42.1	25.4	22.2	2.4	4.1
20:00	283.1	286.0	268.5	279.7	21.1	16.3	13.4	3.8	5.8
21:00	291.4	295.8	273.9	288.6	29.7	21.3	16.6	2.2	3.8
22:00	288.6	298.0	265.6	290.1	18.9	15.0	13.1	1.7	2.8
23:00	100.7	349.6	344.5	255.9	37.7	38.6	43.0	.6	.5
Avg	264.0	268.0	257.0	259.0	27.4	21.0	18.2	.0	.0
Max	291.4	349.6	344.5	290.1	42.1	38.6	43.0	9.9	12.8
Hr. of Max	21	23	23	22	19	23	23	11	11
Min	100.7	218.2	228.6	214.3	18.9	13.4	10.3	.6	.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/25/2017

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	9.1	5.5	7.9	10.1	5.9	10.6	-.1	-1.0	-.20
01:00	7.8	3.0	5.2	8.0	3.3	8.4	-.5	-1.9	-.08
02:00	11.2	5.9	9.3	11.9	6.4	12.5	.7	-.6	-.12
03:00	8.0	4.7	6.8	8.8	5.1	9.2	.1	-.7	-.10
04:00	7.6	3.8	5.8	7.8	4.2	8.1	1.2	-.5	-.01
05:00	10.6	5.9	8.5	11.0	6.5	11.2	-.1	-1.4	-.23
06:00	11.3	6.4	9.0	11.7	6.9	12.0	-.6	-1.8	-.30
07:00	7.1	3.9	5.7	7.5	4.3	7.9	.3	-1.2	-.10
08:00	9.5	5.5	7.8	9.8	6.3	10.4	.1	-.5	-.17
09:00	12.0	8.5	11.0	12.5	9.4	13.4	1.0	-.5	-.18
10:00	13.3	9.6	12.1	14.1	10.3	14.8	.4	.1	-.30
11:00	14.7	10.9	13.6	15.4	11.5	16.1	-2.4	-3.0	-.83
12:00	14.2	10.7	13.7	15.4	11.5	16.2	-.9	-1.2	-.64
13:00	10.8	8.0	10.4	12.0	8.6	12.6	-.8	-.4	-.36
14:00	12.3	8.9	11.6	13.3	9.4	13.8	-.9	-2.3	-.39
15:00	12.7	8.5	11.6	13.5	9.3	14.1	1.1	.3	-.34
16:00	9.9	7.4	9.3	10.7	7.7	11.2	-.9	-1.5	-.58
17:00	10.7	7.2	9.3	11.4	7.6	11.9	-2.2	-2.1	-.49
18:00	10.0	5.9	7.9	10.3	6.4	10.7	-1.7	-2.2	-.40
19:00	5.5	2.9	4.5	5.8	3.4	6.2	.7	-3.0	-.11
20:00	7.6	4.1	6.1	7.8	4.4	7.9	-1.6	-1.7	-.23
21:00	5.5	2.5	4.1	5.7	2.8	5.8	-1.0	-3.5	-.16
22:00	4.2	1.9	2.9	4.4	2.1	4.3	-.3	-4.0	-.03
23:00	.3	1.0	.8	1.1	1.3	1.4	.2	2.7	-.01
Avg	.0	5.9	8.1	10.0	6.4	10.4	-.3	-1.3	-.27
Max	14.7	10.9	13.7	15.4	11.5	16.2	1.2	2.7	-.01
Hr. of Max	11	11	12	12	12	12	04	23	23
Min	.3	1.0	.8	1.1	1.3	1.4	-2.4	-4.0	-.83
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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2/25/2017

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	-.29	13.3	18.1	20.2	15.4	10.1	20.8	20.6
01:00	-.29	9.2	14.7	17.9	11.5	5.9	19.8	20.0
02:00	-.26	23.6	25.9	28.2	13.8	8.3	18.8	18.7
03:00	-.12	12.6	19.7	25.9	13.8	7.7	15.3	14.9
04:00	-.09	12.4	15.3	18.1	12.6	6.0	15.3	14.9
05:00	-.52	18.5	21.3	30.2	16.3	11.0	13.8	13.4
06:00	-.63	16.3	22.9	30.2	16.0	11.1	12.3	12.0
07:00	-.29	13.7	20.6	24.5	13.2	8.9	11.7	11.4
08:00	-.29	19.5	22.0	22.0	14.0	9.7	11.8	11.3
09:00	-.44	20.4	27.5	27.9	17.0	12.7	11.4	10.5
10:00	-.47	34.6	40.1	34.3	17.3	13.7	11.1	10.2
11:00	-1.22	24.5	28.9	32.1	16.2	13.1	11.0	10.0
12:00	-.79	34.3	28.6	28.4	17.5	13.6	10.7	9.6
13:00	-.57	27.9	24.0	26.6	19.2	16.1	10.7	9.7
14:00	-.95	23.1	27.5	31.8	18.6	14.7	10.6	9.7
15:00	-.41	44.0	37.6	32.7	20.8	15.5	10.2	9.2
16:00	-.84	20.2	31.6	34.3	20.5	16.7	9.7	8.8
17:00	-.69	21.3	20.4	22.7	16.9	13.0	8.6	7.8
18:00	-.62	15.3	29.8	30.5	15.9	10.9	7.3	6.8
19:00	-.56	9.2	14.0	17.6	20.0	16.2	6.1	5.7
20:00	-.39	11.2	12.4	15.8	15.1	10.7	5.2	4.8
21:00	-.55	10.5	14.2	24.0	19.4	12.2	4.3	3.9
22:00	-.39	4.1	6.4	7.6	9.9	9.2	3.7	3.5
23:00	.07	3.4	3.7	5.5	9.4	14.7	1.8	2.6
Avg	-.48	18.5	22.0	24.5	15.8	11.7	10.9	10.4
Max	.07	44.0	40.1	34.3	20.8	16.7	20.8	20.6
Hr. of Max	23	15	10	16	15	16	00	00
Min	-1.22	3.4	3.7	5.5	9.4	5.9	1.8	2.6
Count	24	24	24	24	24	24	24	24
Total								