Date Printed: 02/15/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

2/14/2017

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	.8	2.8	3.6	4.8	2.03	2.78	4.06	.75	2.02
01:00	-.3	2.0	2.9	3.9	2.31	3.27	4.23	.96	1.92
02:00	-.6	1.0	1.8	3.4	1.62	2.43	3.96	.81	2.35
03:00	-1.6	.6	1.2	2.2	2.14	2.77	3.76	.63	1.62
04:00	-2.0	-.2	.5	1.7	1.85	2.55	3.76	.70	1.91
05:00	-.6	.1	.6	1.6	.73	1.21	2.20	.48	1.47
06:00	.3	1.0	1.1	1.5	.64	.76	1.13	.12	.49
07:00	.9	1.5	1.7	1.9	.64	.79	1.06	.15	.43
08:00	2.3	2.4	2.5	2.6	.12	.19	.30	.07	.18
09:00	4.7	4.5	4.3	4.2	-.22	-.43	-.51	-.21	-.29
10:00	6.0	5.8	5.6	5.5	-.23	-.44	-.57	-.21	-.34
11:00	7.8	7.6	7.3	7.2	-.28	-.51	-.63	-.23	-.35
12:00	9.2	8.8	8.5	8.3	-.44	-.77	-.96	-.33	-.52
13:00	9.5	9.4	9.2	9.1	-.16	-.35	-.42	-.19	-.26
14:00	10.0	9.8	9.6	9.5	-.17	-.38	-.47	-.21	-.30
15:00	9.8	9.6	9.4	9.3	-.13	-.35	-.46	-.22	-.33
16:00	9.4	9.5	9.3	9.2	.06	-.11	-.19	-.17	-.25
17:00	8.8	9.2	9.1	9.1	.41	.31	.27	-.10	-.14
18:00	8.3	9.0	8.9	8.9	.69	.64	.61	-.05	-.08
19:00	8.0	8.8	8.7	8.7	.77	.73	.72	-.03	-.05
20:00	7.7	8.5	8.6	8.6	.80	.84	.87	.04	.07
21:00	7.4	8.4	8.5	8.6	.96	1.10	1.17	.14	.20
22:00	7.2	8.1	8.3	8.3	.91	1.07	1.08	.16	.17
23:00	7.4	7.9	8.1	8.1	.51	.65	.69	.14	.17
Avg	5.0	5.7	5.8	6.1	.65	.78	1.07	.13	.42
Max	10.0	9.8	9.6	9.5	2.31	3.27	4.23	.96	2.35
Hr. of Max	14	14	14	14	01	01	01	01	02
Min	-2.0	-.2	.5	1.5	-.44	-.77	-.96	-.33	-.52
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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2/14/2017

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	-5.2	-5.4	-3.2	9.1	64.9	55.4	3.3	3.2	0.002638
01:00	-5.3	-6.0	-3.6	8.9	69.7	55.8	3.3	3.1	0.002616
02:00	-5.6	-5.9	-3.9	8.7	69.5	60.5	3.2	3.1	0.002562
03:00	-5.5	-5.9	-4.2	8.5	74.8	62.1	3.2	3.1	0.002569
04:00	-5.4	-6.0	-4.3	8.3	78.0	65.4	3.3	3.1	0.002588
05:00	-4.1	-5.3	-2.9	8.1	77.7	67.1	3.6	3.3	0.002869
06:00	-3.7	-4.7	-2.4	7.9	74.7	66.2	3.7	3.4	0.002952
07:00	-2.9	-4.0	-1.6	7.8	76.2	67.2	3.9	3.6	0.003133
08:00	-2.4	-3.7	-.9	7.7	71.4	64.2	4.0	3.7	0.003245
09:00	-3.4	-4.3	-.7	7.6	56.2	53.4	3.7	3.5	0.003022
10:00	-2.9	-3.7	.0	7.6	53.1	51.0	3.8	3.6	0.003138
11:00	-4.6	-5.5	-.4	7.7	41.7	39.5	3.4	3.2	0.002793
12:00	-5.5	-6.5	-.6	7.9	35.5	33.7	3.2	2.9	0.002622
13:00	-5.3	-6.3	-.4	8.1	35.2	32.9	3.2	3.0	0.002656
14:00	-5.4	-6.4	-.3	8.2	34.0	31.9	3.2	3.0	0.002643
15:00	-4.0	-4.6	.6	8.4	38.3	36.7	3.5	3.4	0.002935
16:00	-3.4	-4.6	.9	8.5	41.1	37.2	3.7	3.4	0.003066
17:00	-1.9	-4.4	1.7	8.5	47.7	38.5	4.1	3.4	0.003419
18:00	-1.4	-3.7	1.9	8.6	51.2	41.2	4.3	3.6	0.003553
19:00	-.8	-3.4	2.1	8.6	54.5	42.8	4.5	3.7	0.003706
20:00	-.5	-3.2	2.2	8.6	56.5	43.8	4.6	3.7	0.00378
21:00	-.1	-3.5	2.4	8.6	59.6	43.4	4.7	3.7	0.003902
22:00	.2	-3.0	2.6	8.6	61.9	45.8	4.8	3.8	0.003997
23:00	.0	-2.5	2.5	8.6	60.1	48.1	4.8	3.9	0.003947
Avg	-3.3	-4.7	-.5	8.3	57.6	49.3	3.8	3.4	0.003098
Max	.2	-2.5	2.6	9.1	78.0	67.2	4.8	3.9	0.003997
Hr. of Max	22	23	22	00	04	07	23	23	22
Min	-5.6	-6.5	-4.3	7.6	34.0	31.9	3.2	2.9	0.002562
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/14/2017

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	0.002608	4.2	4.1	.00	29.16	987.7	-2.7	.00	74.9
01:00	0.002475	4.1	3.9	.00	29.15	987.3	-2.4	.00	80.9
02:00	0.002508	4.0	4.0	.00	29.13	986.6	-2.7	.00	76.1
03:00	0.002494	4.1	3.9	.00	29.11	985.8	-2.6	.00	81.5
04:00	0.002487	4.1	3.9	.00	29.10	985.6	-2.7	.00	61.3
05:00	0.002614	4.5	4.1	.00	29.10	985.5	-2.1	.00	71.4
06:00	0.002741	4.7	4.3	.00	29.11	985.7	-2.4	.00	73.7
07:00	0.002891	4.9	4.6	.00	29.11	985.9	6.9	.01	56.8
08:00	0.002947	5.1	4.7	.00	29.12	986.2	103.9	.15	127.6
09:00	0.002828	4.8	4.5	.00	29.13	986.4	136.8	.20	166.2
10:00	0.002964	5.0	4.7	.00	29.12	986.0	164.8	.24	159.8
11:00	0.002597	4.4	4.1	.00	29.11	985.9	202.4	.29	86.3
12:00	0.002414	4.1	3.8	.00	29.07	984.4	256.2	.37	61.8
13:00	0.002454	4.2	3.9	.00	29.03	983.0	82.8	.12	306.4
14:00	0.002454	4.2	3.9	.00	29.01	982.3	85.4	.12	252.5
15:00	0.002789	4.6	4.4	.00	29.01	982.3	64.4	.09	302.8
16:00	0.002793	4.8	4.4	.00	29.00	982.2	21.8	.03	308.8
17:00	0.002844	5.4	4.5	.00	29.00	982.2	8.0	.01	189.3
18:00	0.002998	5.6	4.7	.00	28.99	981.7	-2.0	.00	68.9
19:00	0.003068	5.8	4.8	.00	28.97	980.9	-2.4	.00	21.0
20:00	0.003097	5.9	4.9	.00	28.94	980.1	-2.3	.00	50.3
21:00	0.003035	6.1	4.8	.00	28.92	979.5	-1.9	.00	195.0
22:00	0.003144	6.3	4.9	.00	28.90	978.8	-2.4	.00	197.3
23:00	0.003271	6.2	5.1	.00	28.88	978.2	-3.6	-.01	354.9
Avg	0.002771	4.9	4.4	.00	29.05	983.8	45.9	.07	77.0
Max	0.003271	6.3	5.1	.00	29.16	987.7	256.2	.37	354.9
Hr. of Max	23	22	23	23	00	00	12	12	23
Min	0.002414	4.0	3.8	.00	28.88	978.2	-3.6	-.01	21.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/14/2017

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	59.8	59.6	48.9	50.7	13.1	11.2	6.8	.6	2.4
01:00	38.8	69.8	93.2	59.5	10.3	15.6	16.7	.5	1.6
02:00	62.1	52.8	70.6	43.9	10.1	6.7	2.9	1.2	3.3
03:00	62.4	53.1	68.5	44.1	13.5	8.7	2.9	.4	1.9
04:00	65.3	52.2	37.9	43.5	14.9	6.3	3.3	.4	2.2
05:00	67.5	57.2	60.9	48.4	15.7	9.8	8.1	1.2	2.7
06:00	58.9	66.2	60.0	57.2	19.9	16.3	10.5	.7	1.7
07:00	51.9	58.7	34.5	48.6	38.4	31.6	16.3	.9	1.9
08:00	78.2	65.3	147.8	46.3	58.6	59.0	31.1	.3	1.2
09:00	206.2	20.6	179.1	10.0	47.5	64.6	58.1	.8	.3
10:00	222.8	186.0	231.9	172.8	41.8	47.5	38.2	.4	.2
11:00	76.5	72.4	84.7	64.0	36.0	33.2	32.6	2.1	2.2
12:00	60.4	62.8	52.7	53.5	32.2	21.0	16.4	2.2	3.3
13:00	296.0	272.1	283.1	277.7	52.3	43.1	40.2	.8	1.2
14:00	260.1	257.7	250.2	252.8	27.7	21.6	15.8	2.2	2.8
15:00	308.6	306.7	297.2	298.6	34.0	25.4	19.7	2.6	3.6
16:00	314.6	338.8	278.4	321.9	48.1	47.0	53.4	.8	1.4
17:00	210.0	204.2	221.2	199.1	24.2	19.1	15.0	.7	1.5
18:00	86.5	96.1	51.3	91.2	35.2	38.8	29.6	1.1	1.9
19:00	30.9	62.6	336.7	52.9	47.1	40.9	41.0	.9	1.6
20:00	54.9	65.8	359.0	57.9	52.6	40.6	37.4	.9	1.6
21:00	332.5	1.1	269.5	351.5	45.7	43.3	35.3	.2	.7
22:00	227.6	345.3	236.8	328.0	29.0	46.1	50.5	.7	.3
23:00	344.2	345.9	11.3	335.5	18.8	29.1	24.6	.4	1.1
Avg	38.0	42.0	26.0	31.0	31.9	30.3	25.3	.0	.0
Max	344.2	345.9	359.0	351.5	58.6	64.6	58.1	2.6	3.6
Hr. of Max	23	23	20	21	08	09	09	15	15
Min	30.9	1.1	11.3	10.0	10.1	6.3	2.9	.2	.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/14/2017

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	3.1	.6	2.4	3.1	.9	3.4	1.7	2.8	.04
01:00	2.5	.5	1.6	2.5	.8	2.7	1.3	.2	.01
02:00	5.4	1.2	3.3	5.4	1.5	5.6	1.7	2.1	.03
03:00	3.8	.4	1.9	3.8	.9	4.0	2.2	2.4	.03
04:00	3.3	.4	2.2	3.4	.8	3.5	.9	3.2	.01
05:00	3.3	1.2	2.8	3.4	1.4	3.6	-.5	1.9	-.02
06:00	2.8	.9	2.0	3.0	1.3	3.1	-.4	1.1	-.03
07:00	3.2	1.3	2.4	3.5	1.6	3.7	.1	.0	-.01
08:00	2.1	1.1	1.7	2.4	1.5	2.7	3.3	-.6	.08
09:00	.5	1.3	1.1	1.3	1.7	1.7	-1.8	-2.0	-.02
10:00	.3	.9	.9	.9	1.5	1.3	1.8	-.4	.03
11:00	2.4	2.5	2.6	2.7	2.8	3.1	1.7	2.4	.04
12:00	4.0	3.0	3.9	4.4	3.5	4.8	2.0	3.7	.03
13:00	1.1	.9	1.3	1.5	1.3	1.9	-1.6	-6.6	-.07
14:00	3.1	2.6	3.1	3.4	3.0	3.8	-.8	-2.3	-.09
15:00	4.6	3.2	4.1	5.1	3.4	5.3	-2.0	-2.8	-.27
16:00	1.9	1.3	1.9	2.2	1.8	2.6	1.5	-3.8	-.08
17:00	1.9	1.0	1.8	2.2	1.6	2.4	.1	-1.8	.00
18:00	2.3	1.4	2.4	2.8	1.8	3.1	1.5	1.0	.03
19:00	1.8	1.4	2.2	2.7	1.8	3.0	.0	2.1	-.05
20:00	2.2	1.1	1.7	2.4	1.5	2.6	-1.3	.1	-.11
21:00	1.7	.9	1.3	2.1	1.3	2.4	1.0	3.9	.03
22:00	.7	.9	1.0	1.1	1.5	1.4	-.2	4.8	-.01
23:00	2.0	1.6	2.4	2.9	1.8	3.1	-.9	.0	-.05
Avg	.0	1.3	2.2	2.8	1.7	3.1	.5	.5	-.02
Max	5.4	3.2	4.1	5.4	3.5	5.6	3.3	4.8	.08
Hr. of Max	02	15	15	02	12	02	08	22	08
Min	.3	.4	.9	.9	.8	1.3	-2.0	-6.6	-.27
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

2/14/2017

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	.16	2.3	5.7	7.1	8.3	3.5	2.8	4.6
01:00	.02	3.7	8.0	12.1	6.7	3.8	2.0	3.8
02:00	.20	3.0	5.5	7.8	8.5	1.9	1.0	3.2
03:00	.17	2.3	3.9	10.5	8.8	2.7	.6	2.0
04:00	.20	2.1	3.2	5.3	8.4	2.3	-.1	1.6
05:00	.11	2.3	5.3	5.7	7.5	3.0	.2	1.5
06:00	.06	3.2	5.0	5.5	9.3	4.1	1.1	1.3
07:00	.02	3.2	4.6	7.6	9.8	4.8	1.6	1.8
08:00	.06	3.4	5.5	7.1	17.7	11.6	2.6	2.5
09:00	-.05	3.2	3.9	6.2	21.5	22.9	4.6	4.0
10:00	.06	3.2	3.9	4.6	30.8	31.2	6.0	5.3
11:00	.15	6.9	6.6	6.4	20.6	23.1	7.7	7.0
12:00	.28	8.7	8.5	8.7	20.6	17.2	8.9	8.0
13:00	-.32	3.0	3.7	3.7	22.0	19.6	9.4	8.8
14:00	-.23	6.0	6.6	7.3	16.4	15.0	9.8	9.2
15:00	-.38	8.5	9.2	10.3	18.8	12.8	9.7	9.0
16:00	-.21	5.5	6.0	7.1	19.4	18.6	9.5	8.9
17:00	-.07	4.1	4.6	4.6	10.5	5.6	9.3	8.8
18:00	.16	4.4	5.7	6.6	15.7	11.0	9.1	8.7
19:00	.08	5.7	7.3	8.0	14.0	10.0	8.9	8.5
20:00	-.02	3.9	5.3	6.2	12.1	8.0	8.6	8.4
21:00	.13	3.2	4.8	8.5	9.7	11.9	8.5	8.3
22:00	.10	2.7	2.5	3.7	7.7	15.3	8.2	8.0
23:00	-.02	4.4	5.5	6.4	11.2	8.4	8.1	7.9
Avg	.03	4.1	5.5	7.0	14.0	11.2	5.8	5.9
Max	.28	8.7	9.2	12.1	30.8	31.2	9.8	9.2
Hr. of Max	12	12	15	01	10	10	14	14
Min	-.38	2.1	2.5	3.7	6.7	1.9	-.1	1.3
Count	24	24	24	24	24	24	24	24
Total								