Date Printed: 04/08/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/7/2017

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	7.4	7.9	7.9	7.9	.48	.46	.50	-.02	.02
01:00	7.0	7.5	7.5	7.6	.55	.57	.61	.02	.06
02:00	6.9	7.4	7.3	7.4	.46	.42	.44	-.04	-.02
03:00	6.1	7.1	7.2	7.2	1.02	1.11	1.19	.09	.17
04:00	6.2	7.0	7.0	7.1	.78	.81	.88	.04	.10
05:00	6.3	6.9	6.9	6.9	.62	.64	.64	.01	.02
06:00	5.0	6.5	6.7	6.8	1.42	1.62	1.72	.20	.30
07:00	5.6	6.4	6.5	6.5	.80	.85	.88	.04	.07
08:00	7.0	7.1	6.9	6.8	.05	-.09	-.20	-.14	-.25
09:00	8.4	7.9	7.6	7.4	-.47	-.77	-.94	-.30	-.47
10:00	9.7	9.1	8.7	8.6	-.65	-1.00	-1.18	-.35	-.53
11:00	11.4	10.5	10.1	9.9	-.87	-1.25	-1.49	-.38	-.62
12:00	11.9	11.3	11.0	10.9	-.63	-.91	-1.08	-.29	-.46
13:00	13.0	12.1	11.7	11.6	-.83	-1.21	-1.38	-.38	-.54
14:00	14.0	13.0	12.7	12.5	-.96	-1.29	-1.43	-.33	-.48
15:00	14.5	13.6	13.3	13.1	-.87	-1.24	-1.38	-.37	-.51
16:00	14.9	14.2	13.8	13.6	-.79	-1.13	-1.31	-.34	-.52
17:00	14.8	14.3	13.9	13.7	-.55	-.93	-1.10	-.38	-.55
18:00	14.5	14.3	14.0	13.9	-.27	-.54	-.66	-.27	-.39
19:00	13.3	13.5	13.3	13.3	.21	.04	.01	-.17	-.20
20:00	11.8	12.4	12.4	12.4	.60	.59	.60	-.01	.00
21:00	9.6	11.6	11.7	11.7	2.01	2.06	2.10	.06	.09
22:00	7.7	11.0	11.1	11.1	3.24	3.35	3.38	.11	.15
23:00	6.0	10.2	10.5	10.5	4.17	4.45	4.50	.28	.33
Avg	9.7	10.1	10.0	9.9	.40	.28	.22	-.12	-.18
Max	14.9	14.3	14.0	13.9	4.17	4.45	4.50	.28	.33
Hr. of Max	16	18	18	18	23	23	23	23	23
Min	5.0	6.4	6.5	6.5	-.96	-1.29	-1.49	-.38	-.62
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/7/2017

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	2.0	1.3	3.8	13.5	69.4	63.6	5.5	5.2	0.004523
01:00	2.3	1.6	3.8	13.3	72.7	66.5	5.6	5.3	0.004598
02:00	2.0	1.5	3.6	13.2	71.4	67.1	5.5	5.3	0.004501
03:00	1.7	.9	3.1	13.0	74.2	65.6	5.4	5.1	0.004408
04:00	1.1	.4	2.8	12.9	70.5	63.6	5.1	4.9	0.004222
05:00	1.0	.3	2.7	12.7	69.5	63.3	5.1	4.8	0.004184
06:00	1.4	.3	2.6	12.6	77.8	65.1	5.3	4.8	0.0043
07:00	.9	.2	2.5	12.4	72.4	65.2	5.1	4.8	0.004165
08:00	.9	.1	2.9	12.3	65.7	61.7	5.1	4.8	0.00416
09:00	.6	-.4	3.2	12.2	58.8	56.4	5.0	4.6	0.004086
10:00	.2	-1.0	3.4	12.1	52.2	49.9	4.8	4.4	0.003975
11:00	-.9	-2.5	3.2	12.2	43.4	40.8	4.4	3.9	0.003688
12:00	-2.2	-3.6	2.5	12.5	37.9	35.6	4.0	3.6	0.003348
13:00	-2.8	-4.5	2.5	12.9	34.0	31.6	3.8	3.4	0.003211
14:00	-3.2	-5.0	2.5	13.3	31.0	28.7	3.7	3.2	0.00313
15:00	-4.7	-6.4	1.7	13.7	26.8	24.8	3.3	2.9	0.002804
16:00	-5.3	-7.1	1.5	14.0	24.9	22.8	3.2	2.8	0.002678
17:00	-6.2	-7.8	.8	14.2	23.3	21.5	3.0	2.6	0.002492
18:00	-6.7	-8.0	.4	14.3	22.9	21.1	2.9	2.6	0.002402
19:00	-6.4	-7.6	.2	14.4	25.5	22.9	2.9	2.7	0.002455
20:00	-5.8	-7.1	.0	14.3	29.3	25.4	3.1	2.8	0.002549
21:00	-3.6	-6.3	.8	14.2	39.8	28.4	3.6	3.0	0.003001
22:00	-2.3	-5.5	1.1	14.0	49.7	31.5	4.0	3.1	0.003293
23:00	-1.3	-5.1	1.1	13.8	60.0	34.3	4.3	3.2	0.003527
Avg	-1.6	-3.0	2.2	13.3	50.1	44.1	4.3	3.9	0.003571
Max	2.3	1.6	3.8	14.4	77.8	67.1	5.6	5.3	0.004598
Hr. of Max	01	01	01	19	06	02	01	02	01
Min	-6.7	-8.0	.0	12.1	22.9	21.1	2.9	2.6	0.002402
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/7/2017

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	0.004285	7.1	6.7	.00	29.04	983.5	-1.9	.00	239.1
01:00	0.004368	7.2	6.9	.00	29.05	983.6	-2.4	.00	233.5
02:00	0.004365	7.1	6.9	.00	29.04	983.6	-2.0	.00	242.3
03:00	0.004182	6.9	6.6	.00	29.04	983.5	-2.0	.00	237.1
04:00	0.00402	6.6	6.3	.00	29.04	983.5	-2.2	.00	244.3
05:00	0.003983	6.6	6.3	.00	29.05	983.7	-.8	.00	238.4
06:00	0.003976	6.8	6.3	.00	29.06	984.1	-2.0	.00	234.0
07:00	0.003967	6.6	6.2	.00	29.09	985.0	13.1	.02	244.2
08:00	0.003925	6.5	6.2	.00	29.11	985.7	191.9	.28	257.1
09:00	0.003799	6.4	6.0	.00	29.11	985.9	469.2	.67	270.9
10:00	0.003634	6.3	5.7	.00	29.12	986.1	650.1	.93	273.7
11:00	0.003271	5.8	5.2	.00	29.11	985.9	821.2	1.18	277.2
12:00	0.003018	5.3	4.8	.00	29.10	985.6	656.3	.94	278.6
13:00	0.002827	5.1	4.5	.00	29.10	985.4	888.9	1.27	295.0
14:00	0.002715	4.9	4.3	.00	29.10	985.3	936.3	1.34	282.3
15:00	0.002449	4.4	3.9	.00	29.09	985.2	888.6	1.27	283.2
16:00	0.002331	4.2	3.7	.00	29.09	985.2	747.8	1.07	280.0
17:00	0.002211	3.9	3.5	.00	29.09	985.1	426.5	.61	277.5
18:00	0.002173	3.8	3.4	.00	29.10	985.4	259.1	.37	274.5
19:00	0.002234	3.9	3.5	.00	29.11	985.8	64.5	.09	268.2
20:00	0.002309	4.0	3.6	.00	29.12	986.3	-.9	.00	268.2
21:00	0.002454	4.7	3.9	.00	29.15	987.2	-2.2	.00	266.8
22:00	0.002606	5.2	4.1	.00	29.17	987.9	-2.5	.00	249.3
23:00	0.002679	5.6	4.2	.00	29.18	988.1	-2.5	.00	240.4
Avg	0.003241	5.6	5.1	.00	29.09	985.3	291.3	.42	260.0
Max	0.004368	7.2	6.9	.00	29.18	988.1	936.3	1.34	295.0
Hr. of Max	01	01	02	23	23	23	14	14	13
Min	0.002173	3.8	3.4	.00	29.04	983.5	-2.5	.00	233.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/7/2017

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	263.2	276.4	242.3	270.4	35.7	25.8	20.9	2.9	4.3
01:00	255.2	265.1	235.5	260.1	19.4	15.6	14.2	4.1	6.0
02:00	261.3	271.0	242.2	265.5	21.6	17.4	14.7	4.4	6.2
03:00	259.9	269.7	238.4	264.4	18.2	15.9	13.2	4.0	6.0
04:00	261.2	268.3	244.4	263.0	19.0	15.4	13.5	4.5	6.5
05:00	259.7	267.5	239.3	262.5	19.1	15.1	13.1	4.0	6.0
06:00	251.9	262.7	235.8	257.9	15.7	13.2	11.8	3.8	5.8
07:00	260.3	268.7	244.3	263.2	19.6	16.1	15.2	3.8	5.6
08:00	270.4	273.4	256.7	267.4	27.2	22.0	18.4	4.7	6.4
09:00	280.0	280.0	269.6	273.7	29.5	21.5	19.0	6.6	8.8
10:00	283.2	282.6	271.9	276.1	36.3	28.4	23.9	6.5	8.5
11:00	284.6	284.6	274.3	278.0	37.5	30.1	23.9	6.6	9.6
12:00	289.7	294.0	277.0	286.5	44.6	37.3	30.5	5.9	7.6
13:00	304.1	304.6	289.2	296.0	50.7	39.3	36.5	6.0	8.1
14:00	292.0	290.0	279.8	282.8	52.8	41.1	35.5	5.4	7.4
15:00	290.5	292.1	281.5	284.7	44.8	33.4	27.9	6.9	9.4
16:00	289.4	291.5	278.5	284.2	41.0	33.6	27.3	6.3	8.4
17:00	288.5	288.5	275.5	281.3	34.2	28.2	21.7	6.9	9.7
18:00	281.8	284.6	272.1	278.4	36.1	29.2	24.3	6.5	8.5
19:00	278.0	281.3	267.3	275.0	31.5	24.2	19.9	4.7	6.8
20:00	283.3	289.1	266.3	282.2	36.5	21.0	17.9	3.3	5.6
21:00	284.1	290.6	264.7	283.9	28.4	22.1	18.9	2.3	3.7
22:00	277.1	288.1	251.8	281.6	19.8	15.3	13.2	2.4	3.9
23:00	266.4	277.8	245.2	272.0	25.3	16.6	15.6	1.7	3.0
Avg	275.0	281.0	260.0	274.0	31.0	24.1	20.5	.0	.0
Max	304.1	304.6	289.2	296.0	52.8	41.1	36.5	6.9	9.7
Hr. of Max	13	13	13	13	14	14	13	17	17
Min	251.9	262.7	235.5	257.9	15.7	13.2	11.8	1.7	3.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/7/2017

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	5.7	3.3	4.6	6.1	4.0	6.4	-.1	-.8	-.09
01:00	7.6	4.3	6.2	7.9	4.9	8.2	.4	.0	-.05
02:00	8.3	4.7	6.5	8.6	5.3	8.9	-.4	-1.7	-.18
03:00	7.8	4.2	6.2	8.0	4.8	8.3	1.1	-.6	.02
04:00	8.6	4.8	6.8	8.8	5.3	9.2	-.3	-1.1	-.14
05:00	7.3	4.2	6.2	7.5	4.8	7.9	.2	-.5	-.07
06:00	7.5	3.9	6.0	7.7	4.4	8.1	.9	-.2	.05
07:00	7.2	4.0	5.8	7.5	4.4	7.8	.0	-1.0	-.08
08:00	8.1	5.3	6.9	8.5	5.8	8.9	-1.0	-1.7	-.33
09:00	10.4	7.2	9.4	10.9	7.7	11.4	-2.2	-1.7	-.58
10:00	10.0	7.5	9.5	10.8	8.1	11.3	-.4	-1.4	-.46
11:00	12.4	7.8	10.8	13.3	8.6	13.9	1.7	.0	-.10
12:00	9.0	7.2	8.8	10.1	8.1	11.0	-2.2	1.1	-.71
13:00	9.7	7.9	10.0	11.4	8.6	12.4	-.5	4.1	-.59
14:00	9.4	6.9	8.8	10.6	7.7	11.5	-1.6	.8	-.62
15:00	11.4	8.5	10.6	12.5	9.4	13.2	-2.3	-.7	-.80
16:00	10.5	7.6	9.6	11.6	8.2	12.2	-2.9	-.2	-.85
17:00	12.0	8.0	10.7	12.8	8.6	13.2	-.5	-3.0	-.49
18:00	10.4	7.5	9.3	11.0	8.1	11.5	-.6	-.3	-.45
19:00	8.7	5.4	7.4	9.2	5.9	9.6	-.9	-2.8	-.34
20:00	7.5	3.7	6.0	7.9	4.2	8.1	-1.0	-3.1	-.21
21:00	5.5	2.6	4.0	5.8	3.0	5.9	-1.4	-1.5	-.15
22:00	5.4	2.5	4.0	5.6	2.9	5.7	-.5	-2.9	-.06
23:00	4.3	1.8	3.2	4.5	2.2	4.7	.2	-.4	-.01
Avg	.0	5.5	7.4	9.1	6.0	9.6	-.6	-.8	-.30
Max	12.4	8.5	10.8	13.3	9.4	13.9	1.7	4.1	.05
Hr. of Max	11	15	11	11	15	11	11	13	06
Min	4.3	1.8	3.2	4.5	2.2	4.7	-2.9	-3.1	-.85
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/7/2017

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	-.27	22.9	16.0	15.3	19.2	15.9	8.1	7.8
01:00	-.11	11.4	13.5	16.0	13.0	10.2	7.8	7.5
02:00	-.42	19.5	15.8	19.5	13.5	10.4	7.7	7.3
03:00	-.24	14.4	15.1	16.9	13.4	10.5	7.3	7.2
04:00	-.31	14.2	17.9	18.5	13.3	9.8	7.2	7.0
05:00	-.18	14.4	12.4	14.7	12.1	9.5	7.1	6.8
06:00	-.13	8.5	12.1	17.9	10.8	9.2	6.7	6.7
07:00	-.26	11.2	12.4	14.4	13.6	10.6	6.7	6.4
08:00	-.59	15.1	18.5	23.1	18.1	13.7	7.2	6.6
09:00	-.73	24.5	30.2	29.5	19.3	15.6	8.0	7.1
10:00	-.75	26.1	29.3	27.9	20.5	16.3	9.1	8.1
11:00	-.56	21.1	25.9	28.6	21.0	16.8	10.4	9.4
12:00	-.62	30.5	35.5	30.7	23.1	21.8	11.2	10.4
13:00	-.25	26.8	30.5	30.0	24.0	24.4	12.0	11.0
14:00	-.73	28.4	29.1	30.2	24.0	21.3	12.8	11.9
15:00	-.94	23.6	26.6	26.3	21.9	19.7	13.4	12.4
16:00	-.62	21.8	25.4	29.1	22.7	19.3	13.9	13.0
17:00	-1.20	21.3	24.0	24.3	20.0	14.8	14.1	13.2
18:00	-.67	22.7	25.0	25.0	20.2	17.0	14.1	13.3
19:00	-.71	15.1	20.6	21.3	18.5	13.9	13.4	12.8
20:00	-.70	13.5	19.2	19.7	18.9	13.0	12.4	12.0
21:00	-.34	9.2	11.7	12.6	16.7	14.2	11.7	11.4
22:00	-.39	6.4	12.6	12.4	11.8	9.9	11.0	10.9
23:00	-.14	4.4	8.9	13.1	11.1	10.9	10.2	10.3
Avg	-.49	17.8	20.3	21.5	17.5	14.5	10.1	9.6
Max	-.11	30.5	35.5	30.7	24.0	24.4	14.1	13.3
Hr. of Max	01	12	12	12	14	13	18	18
Min	-1.20	4.4	8.9	12.4	10.8	9.2	6.7	6.4
Count	24	24	24	24	24	24	24	24
Total								