Date Printed: 04/18/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

4/17/2017

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	16.5	18.7	19.7	20.6	2.17	3.25	4.14	1.08	1.97
01:00	15.6	18.0	18.9	19.6	2.33	3.30	4.01	.97	1.68
02:00	15.2	17.3	18.5	19.3	2.01	3.29	4.10	1.27	2.08
03:00	14.4	16.3	17.6	18.4	1.90	3.12	3.93	1.22	2.03
04:00	14.4	15.8	17.3	17.8	1.40	2.93	3.46	1.52	2.06
05:00	14.5	16.0	17.1	17.8	1.53	2.67	3.35	1.14	1.82
06:00	15.0	16.6	17.0	17.6	1.62	2.08	2.64	.46	1.02
07:00	15.0	15.8	16.5	17.2	.74	1.51	2.22	.77	1.48
08:00	16.0	16.4	16.7	17.1	.36	.70	1.06	.34	.70
09:00	15.9	15.8	15.9	16.1	-.06	-.05	.20	.01	.25
10:00	16.3	16.2	16.0	16.0	-.15	-.27	-.27	-.13	-.12
11:00	18.1	17.7	17.4	17.4	-.38	-.66	-.73	-.28	-.35
12:00	21.5	20.5	20.2	20.1	-.97	-1.29	-1.40	-.32	-.42
13:00	23.0	22.4	22.1	22.0	-.68	-.97	-1.01	-.29	-.32
14:00	23.0	22.5	22.2	22.2	-.52	-.79	-.86	-.27	-.34
15:00	23.1	22.8	22.6	22.5	-.26	-.49	-.56	-.23	-.30
16:00	22.8	22.4	22.1	22.0	-.37	-.65	-.75	-.28	-.38
17:00	22.4	22.0	21.7	21.6	-.38	-.67	-.78	-.29	-.40
18:00	21.4	21.2	21.0	20.9	-.18	-.43	-.51	-.25	-.34
19:00	19.8	20.0	20.1	20.2	.27	.31	.44	.04	.17
20:00	18.2	18.3	18.4	18.5	.11	.18	.31	.07	.20
21:00	17.6	17.8	17.8	17.8	.22	.20	.24	-.02	.02
22:00	17.0	17.2	17.3	17.3	.26	.34	.35	.09	.09
23:00	16.8	16.9	17.0	17.0	.18	.20	.23	.02	.05
Avg	18.1	18.5	18.8	19.0	.46	.74	.99	.28	.53
Max	23.1	22.8	22.6	22.5	2.33	3.30	4.14	1.52	2.08
Hr. of Max	15	15	15	15	01	01	00	04	02
Min	14.4	15.8	15.9	16.0	-.97	-1.29	-1.40	-.32	-.42
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/17/2017

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	11.6	11.2	13.2	19.4	73.8	63.0	10.2	10.0	0.008721
01:00	11.6	11.5	13.0	19.2	78.2	66.9	10.3	10.1	0.008753
02:00	11.7	11.7	12.9	19.1	80.6	70.9	10.4	10.3	0.008804
03:00	11.7	11.9	12.6	18.9	84.7	76.2	10.4	10.5	0.008788
04:00	11.9	12.1	12.7	18.8	86.2	80.2	10.5	10.6	0.008894
05:00	12.1	12.4	12.9	18.6	87.1	80.3	10.7	10.8	0.009057
06:00	12.6	12.3	13.4	18.5	87.3	77.2	11.0	10.8	0.009352
07:00	14.2	13.6	14.5	18.3	96.4	88.6	12.2	11.7	0.010371
08:00	15.2	13.6	15.5	18.2	96.7	85.2	13.0	11.7	0.011098
09:00	15.1	15.1	15.4	18.2	97.0	97.0	12.9	12.9	0.011037
10:00	15.6	15.5	15.8	18.1	97.5	97.6	13.3	13.2	0.011377
11:00	15.5	14.9	16.4	18.1	86.8	85.2	13.2	12.6	0.011336
12:00	15.1	13.8	17.2	18.2	68.3	66.9	12.7	11.7	0.011033
13:00	14.7	14.0	17.5	18.6	60.9	60.6	12.4	11.8	0.01082
14:00	15.5	14.8	18.0	19.1	63.8	62.9	12.9	12.4	0.011342
15:00	15.5	15.0	18.0	19.4	63.9	62.7	13.0	12.5	0.011373
16:00	15.9	15.3	18.2	19.6	66.8	65.6	13.3	12.9	0.011708
17:00	15.6	15.3	17.9	19.7	66.8	67.2	13.1	12.8	0.011432
18:00	15.3	15.1	17.3	19.8	69.7	69.6	12.9	12.7	0.011212
19:00	16.4	16.1	17.5	19.9	83.0	79.8	13.8	13.6	0.012018
20:00	17.6	17.8	17.8	19.8	97.9	98.8	15.0	15.2	0.012946
21:00	16.8	17.0	17.1	19.7	97.4	97.4	14.3	14.5	0.012331
22:00	16.3	16.7	16.5	19.6	97.7	98.7	13.9	14.2	0.0119
23:00	16.1	16.5	16.3	19.5	97.7	99.3	13.7	14.1	0.011748
Avg	14.6	14.3	15.7	19.0	82.8	79.1	12.5	12.2	0.010727
Max	17.6	17.8	18.2	19.9	97.9	99.3	15.0	15.2	0.012946
Hr. of Max	20	20	16	19	20	23	20	20	20
Min	11.6	11.2	12.6	18.1	60.9	60.6	10.2	10.0	0.008721
Count	24	24	24	24	24	24	24	24	24
Total									

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OAK RIDGE NATIONAL LABORATORY
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Daily Summary Report

Site: Tower "D" (1000 Area)

4/17/2017

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	0.008546	13.7	13.4	.00	29.20	988.7	-2.5	.00	110.0
01:00	0.008684	13.7	13.6	.00	29.19	988.5	-1.9	.00	252.4
02:00	0.008809	13.8	13.8	.00	29.18	988.2	-1.8	.00	187.1
03:00	0.008931	13.8	14.0	.00	29.17	987.9	-1.7	.00	194.3
04:00	0.009055	13.9	14.2	.00	29.17	987.8	-2.3	.00	232.0
05:00	0.009211	14.2	14.4	.00	29.18	988.0	-2.3	.00	219.7
06:00	0.009186	14.6	14.4	.00	29.18	988.3	-1.8	.00	230.5
07:00	0.009999	16.2	15.6	.01	29.20	988.7	19.8	.03	265.1
08:00	0.01	17.3	15.7	.02	29.21	989.3	77.3	.11	239.6
09:00	0.010996	17.3	17.2	.09	29.22	989.6	53.8	.08	182.0
10:00	0.011292	17.8	17.6	.02	29.22	989.5	129.9	.19	46.3
11:00	0.01085	17.7	17.0	.00	29.22	989.5	553.5	.79	164.5
12:00	0.010171	17.2	15.9	.00	29.20	988.8	944.0	1.35	200.6
13:00	0.010332	16.9	16.1	.00	29.18	988.1	632.0	.91	263.7
14:00	0.010837	17.7	16.9	.00	29.16	987.4	503.5	.72	291.3
15:00	0.010987	17.7	17.1	.00	29.14	986.9	234.7	.34	257.3
16:00	0.011251	18.2	17.5	.00	29.13	986.6	386.0	.55	221.5
17:00	0.011231	17.8	17.5	.00	29.14	986.7	242.7	.35	332.0
18:00	0.011084	17.5	17.3	.00	29.14	986.7	168.6	.24	55.8
19:00	0.011769	18.7	18.3	.04	29.16	987.4	9.1	.01	127.9
20:00	0.013151	20.1	20.4	.07	29.16	987.5	-2.0	.00	355.1
21:00	0.012506	19.2	19.5	.04	29.19	988.4	-2.4	.00	20.2
22:00	0.01222	18.6	19.1	.02	29.21	989.2	-2.5	.00	42.8
23:00	0.012077	18.3	18.8	.03	29.21	989.1	-1.6	.00	37.1
Avg	0.010549	16.7	16.5	.01	29.18	988.2	163.8	.24	230.0
Max	0.013151	20.1	20.4	.09	29.22	989.6	944.0	1.35	355.1
Hr. of Max	20	20	20	09	11	09	12	12	20
Min	0.008546	13.7	13.4	.00	29.13	986.6	-2.5	.00	20.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/17/2017

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	219.3	223.2	283.9	218.8	29.1	30.8	11.2	.0	.8
01:00	263.0	204.4	259.2	199.8	38.8	28.8	10.2	.3	.9
02:00	247.4	227.4	220.7	223.3	33.1	10.1	3.6	.7	2.0
03:00	237.0	209.2	247.2	205.2	40.4	8.5	6.6	.8	2.4
04:00	263.5	218.5	236.6	214.4	11.5	10.9	7.7	1.8	2.2
05:00	233.5	248.4	242.1	243.8	39.3	10.2	9.2	1.0	2.7
06:00	233.9	227.2	234.2	223.7	13.2	5.1	4.8	2.6	3.9
07:00	245.8	207.2	262.8	203.3	32.2	9.1	4.9	1.1	2.7
08:00	248.5	231.5	248.2	227.7	34.2	8.3	6.9	1.7	3.7
09:00	228.2	227.5	220.5	223.2	35.4	22.6	17.3	.7	1.9
10:00	309.0	285.0	323.6	274.6	72.0	43.9	40.1	.5	1.0
11:00	213.9	227.2	197.6	225.1	50.2	43.1	39.6	.8	1.1
12:00	213.7	214.0	207.5	210.4	29.5	24.3	22.7	3.1	3.6
13:00	278.2	261.5	255.3	254.7	60.1	51.4	45.9	1.0	1.3
14:00	298.6	299.0	284.5	290.7	39.8	28.8	26.8	2.2	3.1
15:00	272.1	272.5	257.8	265.7	45.1	37.1	31.3	1.5	2.2
16:00	239.9	237.6	227.8	233.3	37.4	30.1	27.2	2.5	2.8
17:00	338.7	338.6	322.5	328.5	35.6	26.5	21.7	3.2	4.9
18:00	48.7	48.7	48.8	38.6	32.0	25.8	20.2	2.1	3.5
19:00	140.8	134.1	170.1	127.2	34.3	28.7	23.8	.4	1.3
20:00	3.4	12.9	334.2	358.8	48.7	42.3	39.6	1.8	3.8
21:00	7.5	17.5	349.3	3.1	60.1	45.7	30.0	.9	2.0
22:00	58.8	52.7	340.2	40.9	52.3	33.6	25.3	.6	1.2
23:00	50.1	73.8	19.2	64.6	37.9	41.2	16.9	1.5	3.0
Avg	262.0	242.0	263.0	239.0	39.3	27.0	20.6	.0	.0
Max	338.7	338.6	349.3	358.8	72.0	51.4	45.9	3.2	4.9
Hr. of Max	17	17	21	20	10	13	13	17	17
Min	3.4	12.9	19.2	3.1	11.5	5.1	3.6	.0	.8
Count	24	24	24	24	24	24	24	24	24
Total									

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OAK RIDGE NATIONAL LABORATORY
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Daily Summary Report

Site: Tower "D" (1000 Area)

4/17/2017

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	3.4	.1	1.1	3.8	.8	3.9	1.8	.4	.03
01:00	2.8	.3	1.0	2.9	.7	3.0	1.6	-1.0	.03
02:00	4.4	.8	2.0	4.4	1.3	4.7	2.3	.1	.05
03:00	3.1	.9	2.5	3.2	1.4	3.4	.7	-.6	.01
04:00	3.7	1.8	2.2	3.8	2.2	4.0	.7	-.8	.01
05:00	4.8	1.2	2.8	5.0	1.7	5.2	-.7	1.2	-.02
06:00	5.2	2.6	3.9	5.3	3.0	5.5	-.5	-.7	-.04
07:00	4.0	1.2	2.7	4.0	1.6	4.2	.7	-.8	.02
08:00	4.6	1.8	3.7	4.9	2.2	5.1	2.2	-.5	.03
09:00	3.6	1.3	2.4	4.0	1.8	4.3	3.2	.0	.06
10:00	1.3	.7	1.4	1.9	1.3	2.2	3.9	1.7	.07
11:00	1.4	1.4	1.9	2.4	2.0	2.9	3.7	-7.9	.16
12:00	4.0	3.6	4.0	4.3	4.1	4.8	.9	-7.7	.08
13:00	1.7	2.6	2.8	2.9	3.2	3.5	-3.5	.9	-.21
14:00	3.5	2.8	3.6	4.1	3.2	4.4	-1.3	-6.5	-.20
15:00	2.9	2.5	3.2	3.8	2.9	4.0	.3	-1.9	-.02
16:00	3.2	3.0	3.5	3.8	3.4	4.3	-2.4	-7.9	-.14
17:00	5.7	4.0	5.7	6.3	4.4	6.8	-2.1	-.6	-.45
18:00	4.4	2.6	4.1	4.9	3.0	5.2	.7	2.1	-.13
19:00	2.4	1.2	2.1	3.0	1.7	3.4	4.2	5.9	.06
20:00	4.7	3.1	5.6	7.4	3.6	7.7	-1.0	1.9	-.27
21:00	3.0	1.6	2.6	3.5	2.0	3.9	-1.1	-.7	-.11
22:00	2.0	1.3	1.9	2.6	1.7	2.9	1.1	-.1	.01
23:00	3.9	2.1	3.2	4.0	2.5	4.3	-4.5	.0	-.21
Avg	.0	1.9	2.9	4.0	2.3	4.3	.5	-1.0	-.05
Max	5.7	4.0	5.7	7.4	4.4	7.7	4.2	5.9	.16
Hr. of Max	17	17	17	20	17	20	19	19	11
Min	1.3	.1	1.0	1.9	.7	2.2	-4.5	-7.9	-.45
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

4/17/2017

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	.03	1.6	3.4	8.9	7.7	4.4	19.2	21.0
01:00	-.05	2.3	2.1	4.8	6.6	4.1	18.5	20.1
02:00	.03	2.5	4.4	7.1	6.4	2.4	17.9	19.8
03:00	-.03	2.5	7.1	7.3	5.9	2.4	17.1	18.9
04:00	-.05	3.4	6.4	6.4	3.6	2.7	16.4	18.3
05:00	.09	3.9	4.6	8.5	6.7	4.5	16.8	18.2
06:00	-.07	5.0	8.2	11.4	5.0	1.6	17.3	18.0
07:00	-.05	6.6	7.6	10.3	6.9	2.1	16.6	17.8
08:00	-.05	6.9	8.2	10.8	9.8	3.2	17.2	17.5
09:00	.00	3.9	4.8	7.8	15.2	7.3	16.8	16.7
10:00	.05	3.2	4.6	5.7	22.7	14.2	17.2	16.6
11:00	-.33	6.0	6.6	6.0	28.8	22.7	18.7	17.9
12:00	-.72	10.5	9.6	11.2	22.4	22.5	21.2	20.3
13:00	.02	7.6	6.9	9.2	25.8	28.4	23.2	22.4
14:00	-.62	8.2	8.2	11.2	22.7	19.1	23.5	22.7
15:00	-.22	7.6	7.6	8.2	19.9	17.7	23.7	23.2
16:00	-.48	10.1	11.0	10.1	21.7	21.5	23.4	22.7
17:00	-.21	12.6	13.3	14.0	20.1	16.0	23.0	22.3
18:00	.04	11.9	11.9	15.3	20.8	13.6	22.2	21.6
19:00	.40	4.8	6.4	6.2	17.9	11.7	21.1	21.0
20:00	.13	11.2	14.4	14.9	17.4	11.4	19.5	19.4
21:00	-.03	8.5	9.6	10.1	17.5	14.5	18.9	18.6
22:00	-.01	3.0	5.7	7.6	14.8	11.0	18.3	18.1
23:00	.01	8.9	10.3	10.8	13.7	11.1	18.1	17.8
Avg	-.09	6.4	7.6	9.3	15.0	11.3	19.4	19.6
Max	.40	12.6	14.4	15.3	28.8	28.4	23.7	23.2
Hr. of Max	19	17	20	18	11	13	15	15
Min	-.72	1.6	2.1	4.8	3.6	1.6	16.4	16.6
Count	24	24	24	24	24	24	24	24
Total								