Date Printed: 05/30/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/29/2017

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	18.4	19.4	19.8	20.7	.94	1.42	2.24	.48	1.30
01:00	18.6	19.4	19.8	20.8	.86	1.26	2.25	.40	1.38
02:00	17.7	18.7	19.3	20.1	1.00	1.62	2.38	.62	1.38
03:00	17.1	18.1	18.8	19.5	.94	1.62	2.31	.68	1.37
04:00	17.7	18.1	19.1	19.8	.43	1.38	2.10	.95	1.67
05:00	17.4	18.4	19.0	19.4	.99	1.61	1.99	.62	1.00
06:00	17.4	18.1	18.7	19.2	.75	1.33	1.87	.59	1.13
07:00	18.6	19.0	19.6	19.8	.45	1.03	1.23	.58	.78
08:00	20.9	20.6	20.3	20.2	-.31	-.57	-.69	-.25	-.38
09:00	22.2	21.7	21.5	21.4	-.45	-.67	-.77	-.23	-.32
10:00	22.4	22.0	21.8	21.6	-.41	-.65	-.78	-.24	-.37
11:00	23.0	22.5	22.2	22.1	-.49	-.78	-.88	-.29	-.39
12:00	23.2	22.8	22.5	22.5	-.37	-.63	-.69	-.26	-.32
13:00	22.7	22.4	22.2	22.1	-.25	-.49	-.59	-.24	-.33
14:00	23.5	22.9	22.7	22.5	-.61	-.86	-1.00	-.24	-.39
15:00	24.5	23.9	23.6	23.5	-.58	-.88	-1.00	-.30	-.42
16:00	24.4	24.0	23.7	23.6	-.40	-.68	-.76	-.28	-.37
17:00	23.7	23.5	23.3	23.3	-.18	-.40	-.45	-.22	-.27
18:00	22.3	22.3	22.2	22.3	-.01	-.04	.04	-.04	.05
19:00	21.7	21.8	22.1	22.2	.14	.37	.49	.23	.35
20:00	20.7	21.1	21.3	21.5	.34	.60	.83	.27	.49
21:00	19.5	20.3	20.6	20.8	.83	1.12	1.31	.29	.48
22:00	19.0	19.7	20.1	20.4	.70	1.10	1.39	.40	.69
23:00	18.6	19.0	19.8	20.1	.46	1.20	1.47	.73	1.01
Avg	20.6	20.8	21.0	21.2	.20	.38	.60	.18	.40
Max	24.5	24.0	23.7	23.6	1.00	1.62	2.38	.95	1.67
Hr. of Max	15	16	16	16	02	03	02	04	04
Min	17.1	18.1	18.7	19.2	-.61	-.88	-1.00	-.30	-.42
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/29/2017

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	17.7	17.3	18.0	20.6	97.9	89.8	15.1	14.7	0.013156
01:00	17.9	17.0	18.1	20.5	97.9	87.6	15.3	14.4	0.013287
02:00	17.1	17.0	17.3	20.4	98.0	91.7	14.5	14.4	0.012592
03:00	16.5	17.3	16.7	20.4	98.0	96.9	14.1	14.7	0.012144
04:00	17.0	17.5	17.2	20.3	98.0	98.1	14.5	14.9	0.012553
05:00	16.8	17.3	17.0	20.2	98.0	95.3	14.3	14.7	0.012358
06:00	16.7	17.5	16.9	20.2	98.0	98.0	14.2	14.9	0.012299
07:00	17.6	17.2	17.9	20.1	96.1	91.1	15.0	14.6	0.012998
08:00	17.3	16.8	18.5	20.1	82.1	80.9	14.6	14.2	0.012817
09:00	17.0	16.4	18.7	20.0	73.9	73.4	14.2	13.8	0.01251
10:00	17.2	16.6	18.9	20.1	74.0	73.2	14.4	14.0	0.012699
11:00	17.1	16.5	19.0	20.1	70.9	70.5	14.3	13.8	0.012588
12:00	17.2	16.7	19.2	20.2	70.8	70.2	14.4	14.0	0.012689
13:00	18.1	17.5	19.6	20.3	77.2	75.3	15.3	14.7	0.013456
14:00	18.6	17.9	20.2	20.4	75.7	74.9	15.7	15.1	0.013883
15:00	17.6	17.1	19.9	20.5	67.2	67.1	14.8	14.3	0.013091
16:00	17.3	16.8	19.7	20.7	66.5	65.8	14.5	14.0	0.012823
17:00	17.4	17.0	19.5	20.8	69.4	68.5	14.6	14.3	0.012879
18:00	19.2	18.5	20.2	20.9	84.7	81.1	16.4	15.7	0.014433
19:00	19.5	18.8	20.2	20.9	89.2	84.7	16.7	16.0	0.014661
20:00	19.3	19.3	19.7	21.0	93.6	92.1	16.5	16.6	0.014479
21:00	18.6	18.8	18.9	21.0	96.6	93.0	15.9	16.1	0.013863
22:00	18.3	19.1	18.5	20.9	97.9	98.5	15.6	16.4	0.013595
23:00	17.9	18.5	18.1	20.9	98.0	98.8	15.3	15.8	0.01326
Avg	17.7	17.5	18.7	20.5	86.2	84.0	15.0	14.8	0.01313
Max	19.5	19.3	20.2	21.0	98.0	98.8	16.7	16.6	0.014661
Hr. of Max	19	20	19	21	23	23	19	20	19
Min	16.5	16.4	16.7	20.0	66.5	65.8	14.1	13.8	0.012144
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)

5/29/2017

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	0.012804	20.3	19.8	.00	29.01	982.4	-2.2	.00	76.2
01:00	0.012553	20.6	19.4	.00	29.01	982.6	-1.9	.00	114.1
02:00	0.012539	19.5	19.4	.00	29.02	982.7	-1.6	.00	248.4
03:00	0.012744	18.8	19.7	.00	29.03	983.0	-2.9	.00	247.0
04:00	0.012912	19.5	20.0	.00	29.05	983.7	-2.2	.00	225.5
05:00	0.012797	19.2	19.8	.00	29.05	983.9	-2.8	.00	238.9
06:00	0.012891	19.1	20.0	.00	29.07	984.3	10.2	.01	236.2
07:00	0.01268	20.1	19.7	.00	29.07	984.3	119.7	.17	232.2
08:00	0.012397	19.9	19.2	.00	29.07	984.5	353.7	.51	214.6
09:00	0.012089	19.4	18.8	.00	29.08	984.7	392.9	.56	239.1
10:00	0.012247	19.7	19.0	.00	29.09	985.0	337.3	.48	185.3
11:00	0.01215	19.6	18.9	.00	29.11	986.0	442.4	.63	206.8
12:00	0.012303	19.7	19.1	.00	29.14	986.9	318.3	.46	216.8
13:00	0.012922	20.9	20.1	.00	29.13	986.5	288.5	.41	194.1
14:00	0.013251	21.5	20.6	.00	29.12	986.2	630.2	.90	219.0
15:00	0.012617	20.3	19.6	.00	29.10	985.6	474.0	.68	215.7
16:00	0.012405	19.9	19.3	.00	29.09	985.2	360.7	.52	214.7
17:00	0.01258	20.0	19.5	.00	29.09	985.0	184.0	.26	212.1
18:00	0.013806	22.3	21.4	.00	29.09	985.1	82.1	.12	194.4
19:00	0.014029	22.7	21.7	.00	29.08	985.0	43.2	.06	65.7
20:00	0.014547	22.4	22.5	.00	29.09	985.1	5.2	.01	282.9
21:00	0.014053	21.5	21.8	.00	29.10	985.4	-2.3	.00	268.1
22:00	0.014303	21.1	22.2	.00	29.12	986.1	-2.4	.00	246.2
23:00	0.013767	20.6	21.4	.00	29.13	986.6	-2.4	.00	212.4
Avg	0.012974	20.4	20.1	.00	29.08	984.8	167.6	.24	220.0
Max	0.014547	22.7	22.5	.00	29.14	986.9	630.2	.90	282.9
Hr. of Max	20	19	20	23	12	12	14	14	20
Min	0.012089	18.8	18.8	.00	29.01	982.4	-2.9	.00	65.7
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/29/2017

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	337.4	264.9	307.8	258.5	13.3	41.4	14.6	.0	.1
01:00	238.4	264.2	280.6	255.8	59.2	23.2	7.5	.3	.2
02:00	249.6	246.4	258.9	237.9	40.1	12.5	18.6	.8	1.2
03:00	239.8	237.3	248.2	232.8	28.9	9.2	6.7	1.8	2.9
04:00	242.9	254.6	235.8	249.5	29.2	8.1	7.5	1.7	4.2
05:00	227.4	240.1	243.4	235.7	23.6	6.5	7.8	2.1	4.4
06:00	245.9	244.6	238.5	239.9	25.5	7.6	5.0	2.1	3.9
07:00	242.3	245.7	239.7	241.2	51.7	13.0	9.8	2.2	3.8
08:00	225.4	224.1	219.2	219.8	29.9	21.5	15.3	2.9	3.9
09:00	255.2	255.1	240.5	249.8	53.6	35.4	28.3	2.3	3.1
10:00	208.4	203.0	192.7	198.7	37.5	31.5	25.9	2.4	2.8
11:00	218.2	218.2	209.5	213.8	28.0	19.4	15.7	4.2	5.4
12:00	224.7	222.5	218.3	218.4	24.6	18.3	15.3	4.3	5.8
13:00	204.6	203.2	200.1	198.7	24.3	21.8	18.5	3.1	3.9
14:00	228.5	222.5	223.6	217.8	32.2	21.9	21.0	3.6	4.6
15:00	227.1	225.6	219.1	221.2	30.3	23.1	19.1	4.1	5.6
16:00	223.8	222.8	216.7	218.7	23.2	17.1	13.3	4.1	5.6
17:00	221.1	218.5	216.1	214.4	23.6	16.5	11.5	3.4	5.0
18:00	230.1	216.6	241.8	212.6	56.9	17.3	9.6	.7	2.0
19:00	268.0	246.1	274.0	234.7	69.6	43.0	35.2	.4	1.0
20:00	221.4	221.0	258.6	216.9	72.2	18.7	9.6	.6	1.3
21:00	239.4	212.0	263.1	208.0	49.4	19.6	9.8	1.1	1.6
22:00	242.8	227.6	257.1	223.8	48.5	11.0	6.7	1.0	2.3
23:00	252.3	252.5	222.3	247.4	17.5	6.8	5.3	1.9	3.2
Avg	236.0	232.0	238.0	227.0	37.2	19.4	14.1	.0	.0
Max	337.4	264.9	307.8	258.5	72.2	43.0	35.2	4.3	5.8
Hr. of Max	00	00	00	00	20	19	19	12	12
Min	204.6	203.0	192.7	198.7	13.3	6.5	5.0	.0	.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/29/2017

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	1.8	.0	.2	1.9	.2	2.1	.0	-.3	.00
01:00	1.7	.4	.2	1.8	.8	1.9	.8	1.3	.01
02:00	1.8	1.0	1.2	1.9	1.5	2.1	1.3	2.2	.03
03:00	3.5	2.0	3.0	3.6	2.3	3.8	.0	.1	-.03
04:00	5.9	1.9	4.3	5.9	2.4	6.2	-1.6	.4	-.08
05:00	4.8	2.2	4.4	4.9	2.5	5.2	-2.3	.4	-.11
06:00	6.0	2.3	4.0	6.1	2.7	6.4	-1.1	.1	-.07
07:00	5.4	2.3	4.0	5.7	2.7	6.0	-.7	-.4	-.07
08:00	5.3	3.3	4.2	5.5	3.8	6.0	4.4	1.3	.09
09:00	3.7	3.0	3.8	4.2	3.7	4.7	-.4	2.6	-.10
10:00	3.2	2.7	3.1	3.4	3.2	3.8	-2.2	2.7	-.06
11:00	6.3	4.7	5.7	6.6	5.2	7.0	.3	.2	-.07
12:00	6.7	4.6	6.1	6.9	5.2	7.4	-.5	-.3	-.20
13:00	4.8	3.4	4.2	5.0	3.8	5.4	1.6	.8	-.03
14:00	5.0	4.1	4.9	5.3	4.7	5.8	.5	.4	-.20
15:00	6.5	4.7	6.1	7.0	5.3	7.5	1.5	-.5	-.03
16:00	6.5	4.5	5.8	6.8	5.2	7.3	.5	-1.8	-.08
17:00	6.5	3.6	5.2	6.6	4.2	7.0	.1	-.5	-.14
18:00	3.4	.9	2.0	3.5	1.5	3.8	1.4	-1.1	.01
19:00	1.6	.7	1.2	1.8	1.1	2.0	3.7	-.9	.05
20:00	2.2	.8	1.4	2.3	1.3	2.5	2.4	1.1	.04
21:00	2.7	1.4	1.7	2.8	1.7	3.0	-1.2	-.5	-.05
22:00	3.3	1.2	2.4	3.4	1.7	3.6	-.2	.1	-.02
23:00	5.0	1.9	3.2	5.0	2.4	5.3	1.5	.9	.05
Avg	.0	2.4	3.4	4.5	2.9	4.8	.4	.3	-.04
Max	6.7	4.7	6.1	7.0	5.3	7.5	4.4	2.7	.09
Hr. of Max	12	15	15	15	15	15	08	10	08
Min	1.6	.0	.2	1.8	.2	1.9	-2.3	-1.8	-.20
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/29/2017

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	-.02	.7	2.7	6.0	5.6	4.5	20.5	21.5
01:00	.05	1.8	1.1	6.4	5.8	4.7	20.6	21.7
02:00	.08	2.5	2.7	3.7	5.9	4.5	19.8	21.0
03:00	.00	3.9	5.5	6.6	5.8	3.0	19.2	20.4
04:00	.04	6.9	10.1	11.9	8.7	4.3	19.3	20.7
05:00	.03	4.1	8.7	12.4	6.5	3.7	19.6	20.3
06:00	.00	4.8	11.0	14.9	5.7	2.3	19.3	20.2
07:00	-.04	6.4	8.5	10.1	10.3	3.7	20.1	20.6
08:00	.00	9.6	12.6	13.1	20.9	13.8	21.6	20.9
09:00	.15	9.4	12.6	16.0	19.3	18.8	22.8	22.1
10:00	.10	8.2	8.2	8.7	19.9	22.9	23.1	22.4
11:00	-.05	11.7	10.5	11.2	15.7	11.8	23.5	22.7
12:00	-.18	11.2	11.4	13.7	16.3	11.9	23.8	23.2
13:00	-.07	9.4	9.4	12.8	16.7	11.2	23.6	23.0
14:00	-.10	13.7	15.6	14.7	19.9	17.8	24.1	23.4
15:00	-.23	11.0	12.4	15.1	18.0	14.2	24.9	24.2
16:00	-.31	10.5	17.4	19.9	15.6	10.0	24.9	24.2
17:00	-.14	15.1	15.8	15.3	16.3	8.5	24.6	24.0
18:00	-.07	3.7	6.2	10.5	13.4	5.6	23.7	23.4
19:00	-.05	3.4	3.7	3.7	14.9	7.6	23.2	23.2
20:00	.05	3.9	3.7	4.1	9.4	5.9	22.5	22.7
21:00	-.03	4.6	3.9	6.9	8.6	4.5	21.7	22.0
22:00	.00	4.1	4.8	7.3	5.0	2.3	21.0	21.5
23:00	.07	3.7	6.0	8.5	5.7	3.4	20.4	21.2
Avg	-.03	6.8	8.5	10.6	12.1	8.4	22.0	22.1
Max	.15	15.1	17.4	19.9	20.9	22.9	24.9	24.2
Hr. of Max	09	17	16	16	08	10	16	16
Min	-.31	.7	1.1	3.7	5.0	2.3	19.2	20.2
Count	24	24	24	24	24	24	24	24
Total								