Date Printed: 06/01/2017 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

5/31/2017

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	16.8	16.9	17.1	17.2	.13	.29	.43	.17	.30
01:00	15.8	16.4	16.6	16.8	.62	.80	.98	.18	.35
02:00	15.4	16.2	16.5	16.7	.79	1.09	1.27	.31	.48
03:00	15.4	16.2	16.6	17.0	.78	1.21	1.59	.42	.80
04:00	15.4	15.9	16.2	16.7	.53	.83	1.32	.31	.79
05:00	15.3	15.9	16.2	16.4	.61	.89	1.07	.28	.46
06:00	15.4	15.9	16.0	16.3	.43	.61	.85	.19	.42
07:00	16.0	16.1	16.3	16.4	.03	.27	.36	.23	.33
08:00	16.9	16.7	16.7	16.7	-.20	-.22	-.23	-.02	-.02
09:00	18.9	18.3	18.0	17.9	-.58	-.83	-.97	-.26	-.39
10:00	21.4	20.6	20.3	20.2	-.81	-1.11	-1.22	-.30	-.41
11:00	23.4	22.5	22.1	21.9	-.99	-1.37	-1.51	-.38	-.52
12:00	25.1	24.1	23.8	23.7	-.99	-1.31	-1.43	-.31	-.44
13:00	26.0	25.1	24.9	24.8	-.93	-1.18	-1.26	-.25	-.32
14:00	26.7	25.8	25.4	25.3	-.91	-1.25	-1.35	-.34	-.45
15:00	27.2	26.4	26.1	25.9	-.80	-1.14	-1.26	-.34	-.46
16:00	27.6	26.9	26.5	26.4	-.73	-1.09	-1.18	-.36	-.46
17:00	27.0	26.6	26.5	26.4	-.32	-.49	-.53	-.17	-.21
18:00	27.4	27.2	26.9	26.9	-.25	-.46	-.53	-.21	-.28
19:00	24.0	26.2	26.5	26.7	2.13	2.53	2.70	.39	.57
20:00	20.7	23.8	24.9	25.6	3.18	4.23	4.95	1.05	1.77
21:00	18.5	21.5	22.4	23.9	2.93	3.82	5.36	.90	2.43
22:00	17.3	19.6	20.7	22.2	2.31	3.43	4.91	1.12	2.60
23:00	16.5	18.5	19.3	20.6	1.94	2.73	4.06	.79	2.12
Avg	20.4	20.8	20.9	21.2	.37	.51	.77	.14	.39
Max	27.6	27.2	26.9	26.9	3.18	4.23	5.36	1.12	2.60
Hr. of Max	16	18	18	18	20	20	21	22	22
Min	15.3	15.9	16.0	16.3	-.99	-1.37	-1.51	-.38	-.52
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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5/31/2017

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	16.2	16.5	16.4	21.1	98.0	98.9	13.8	14.0	0.011831
01:00	15.2	16.0	15.4	21.0	97.9	99.0	13.0	13.6	0.011076
02:00	14.8	15.8	15.0	20.9	97.8	99.2	12.7	13.5	0.0108
03:00	14.8	15.9	15.0	20.7	97.9	100.3	12.7	13.6	0.010792
04:00	14.8	15.7	15.0	20.6	97.9	100.3	12.6	13.4	0.010777
05:00	14.7	15.8	14.9	20.5	97.9	100.9	12.6	13.5	0.010748
06:00	14.8	15.7	15.0	20.4	97.9	100.8	12.7	13.4	0.010817
07:00	15.4	15.8	15.6	20.2	98.0	100.4	13.2	13.5	0.011256
08:00	16.3	16.2	16.5	20.1	98.0	99.0	13.9	13.8	0.011882
09:00	17.1	16.5	17.7	20.1	91.7	91.2	14.5	14.0	0.01256
10:00	17.1	16.4	18.6	20.1	78.3	78.5	14.4	13.8	0.012587
11:00	17.3	16.4	19.3	20.1	70.1	70.1	14.5	13.7	0.012751
12:00	17.0	16.0	19.7	20.3	62.3	61.8	14.2	13.3	0.01253
13:00	16.2	15.4	19.5	20.6	56.1	56.2	13.5	12.8	0.011927
14:00	16.2	15.3	19.7	20.8	53.9	53.8	13.4	12.7	0.011919
15:00	15.6	14.6	19.4	21.1	50.3	49.6	12.9	12.2	0.011485
16:00	15.3	14.2	19.4	21.2	48.3	46.9	12.7	11.8	0.011276
17:00	15.8	14.7	19.5	21.4	52.1	49.4	13.1	12.3	0.011693
18:00	15.1	13.7	19.2	21.5	48.4	44.7	12.5	11.5	0.011177
19:00	15.4	12.0	18.3	21.6	60.4	42.4	12.9	10.3	0.011335
20:00	15.6	12.6	17.3	21.6	74.3	50.6	13.1	10.7	0.011421
21:00	15.0	13.5	16.2	21.6	81.7	61.7	12.8	11.4	0.01101
22:00	14.8	14.4	15.6	21.5	87.1	73.4	12.6	12.2	0.010828
23:00	14.9	15.1	15.4	21.4	91.8	82.3	12.7	12.8	0.010884
Avg	15.6	15.2	17.2	20.9	78.7	75.5	13.2	12.8	0.011473
Max	17.3	16.5	19.7	21.6	98.0	100.9	14.5	14.0	0.012751
Hr. of Max	11	09	14	21	08	05	11	09	11
Min	14.7	12.0	14.9	20.1	48.3	42.4	12.5	10.3	0.010748
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/31/2017

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	0.012046	18.4	18.8	.00	29.19	988.4	-2.3	.00	238.0
01:00	0.011655	17.3	18.2	.00	29.18	988.3	-2.1	.00	249.1
02:00	0.011517	16.9	18.0	.00	29.18	988.1	-2.4	.00	4.5
03:00	0.011635	16.8	18.1	.00	29.17	988.0	-2.3	.00	74.3
04:00	0.011426	16.8	17.8	.00	29.17	987.9	-2.4	.00	245.3
05:00	0.011519	16.8	18.0	.00	29.17	988.0	-2.2	.00	69.0
06:00	0.011451	16.9	17.9	.00	29.19	988.5	2.1	.00	239.3
07:00	0.011559	17.6	18.0	.00	29.21	989.1	34.3	.05	190.2
08:00	0.011854	18.5	18.5	.00	29.22	989.4	104.5	.15	161.8
09:00	0.012047	19.6	18.8	.00	29.22	989.4	519.6	.74	190.0
10:00	0.012006	19.6	18.7	.00	29.21	989.2	717.6	1.03	220.6
11:00	0.012013	19.9	18.7	.00	29.20	989.0	907.1	1.30	191.3
12:00	0.011704	19.5	18.3	.00	29.20	988.7	985.8	1.41	202.4
13:00	0.011309	18.6	17.6	.00	29.18	988.2	861.5	1.23	224.7
14:00	0.011269	18.6	17.6	.00	29.16	987.6	756.9	1.08	221.5
15:00	0.01078	17.9	16.8	.00	29.15	987.0	738.7	1.06	199.3
16:00	0.010493	17.6	16.4	.00	29.13	986.5	492.9	.71	236.3
17:00	0.010886	18.2	17.0	.00	29.12	986.2	365.9	.52	240.9
18:00	0.010184	17.4	15.9	.00	29.11	985.9	341.1	.49	263.8
19:00	0.009083	17.6	14.2	.00	29.12	986.1	172.6	.25	273.9
20:00	0.009424	17.8	14.7	.00	29.13	986.6	13.4	.02	305.6
21:00	0.009954	17.2	15.5	.00	29.14	986.8	-2.9	.00	56.2
22:00	0.010548	16.9	16.5	.00	29.16	987.5	-2.6	.00	108.9
23:00	0.011031	17.0	17.2	.00	29.17	987.8	-2.8	.00	69.7
Avg	0.011141	17.9	17.4	.00	29.17	987.8	291.3	.42	218.0
Max	0.012047	19.9	18.8	.00	29.22	989.4	985.8	1.41	305.6
Hr. of Max	09	11	09	23	09	09	12	12	20
Min	0.009083	16.8	14.2	.00	29.11	985.9	-2.9	.00	4.5
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/31/2017

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	260.9	258.7	259.8	253.4	45.6	15.2	12.1	.9	2.5
01:00	237.2	223.3	257.8	219.5	66.8	15.1	9.1	.8	2.3
02:00	260.0	217.9	291.6	207.2	51.2	14.7	8.1	.6	.9
03:00	229.1	219.3	259.6	215.2	69.2	47.1	23.1	.3	.4
04:00	247.3	193.8	253.3	189.8	40.6	20.2	12.3	1.5	2.1
05:00	50.7	54.5	343.7	31.6	43.6	40.1	32.2	.1	.5
06:00	218.1	179.8	256.0	175.9	39.4	18.8	16.0	1.3	1.5
07:00	255.9	223.4	246.6	219.0	59.8	20.4	20.3	.6	1.7
08:00	266.3	260.1	236.5	254.3	44.7	22.1	20.9	.2	1.2
09:00	215.3	220.0	200.4	215.9	22.9	21.9	16.6	3.0	3.7
10:00	228.8	227.0	222.2	223.0	31.5	20.8	18.8	3.7	5.0
11:00	204.6	208.1	194.0	203.6	25.7	22.0	17.1	4.6	5.5
12:00	227.6	229.0	211.4	223.7	48.4	41.3	34.9	2.7	3.5
13:00	236.2	234.2	226.0	229.3	40.5	29.0	27.8	3.3	4.7
14:00	229.9	223.3	225.2	218.5	42.2	31.7	26.3	2.4	3.4
15:00	218.2	217.8	205.6	214.2	35.9	32.5	29.0	2.8	3.8
16:00	246.9	247.7	237.6	242.9	40.6	25.4	21.6	3.0	4.0
17:00	257.9	259.4	245.4	253.8	49.2	27.7	29.5	1.6	2.5
18:00	266.9	262.0	260.2	256.8	42.7	21.5	16.2	2.2	3.6
19:00	256.3	255.6	269.0	250.6	21.5	10.0	8.1	1.9	4.1
20:00	249.5	253.4	290.4	248.0	22.0	10.1	5.4	1.3	2.4
21:00	245.6	258.4	286.5	252.5	41.6	28.5	17.7	.3	.3
22:00	244.1	204.7	280.3	200.6	57.0	42.4	17.4	.3	1.1
23:00	41.5	58.2	26.7	43.2	43.5	21.6	38.6	.4	.9
Avg	242.0	230.0	251.0	226.0	42.8	25.0	20.0	.0	.0
Max	266.9	262.0	343.7	256.8	69.2	47.1	38.6	4.6	5.5
Hr. of Max	18	18	05	18	03	03	23	11	11
Min	41.5	54.5	26.7	31.6	21.5	10.0	5.4	.1	.3
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/31/2017

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	3.7	1.3	2.7	3.9	1.8	4.1	-.1	.8	-.01
01:00	3.8	1.1	2.4	3.8	1.6	4.1	-1.1	.5	-.04
02:00	1.4	.7	1.0	1.5	1.2	1.7	-.3	-1.9	-.03
03:00	1.5	.9	1.2	2.1	1.4	2.2	2.0	-.2	.03
04:00	2.8	1.7	2.2	2.8	2.2	3.0	-.2	-1.0	-.07
05:00	.3	.3	.7	.6	.9	.9	2.5	.5	.03
06:00	2.1	1.4	1.6	2.3	1.9	2.5	-.9	-.5	-.03
07:00	2.3	.9	1.8	2.4	1.4	2.7	-.4	-.7	-.04
08:00	1.8	.5	1.3	2.0	1.2	2.2	1.1	-3.3	.02
09:00	4.0	3.3	3.8	4.2	3.9	4.6	3.2	-.1	.12
10:00	5.6	4.2	5.3	5.8	4.6	6.4	.6	-2.4	-.12
11:00	6.1	5.1	5.8	6.3	5.4	6.8	1.1	-3.0	.00
12:00	3.9	3.7	4.3	4.6	4.2	5.3	.5	-5.5	-.14
13:00	5.2	4.9	6.0	6.4	5.5	7.1	-2.3	-2.4	-.33
14:00	4.1	3.5	4.4	5.0	4.0	5.5	2.0	.6	-.04
15:00	4.5	3.5	4.4	5.0	4.2	5.6	.7	-3.5	.02
16:00	4.5	3.6	4.4	4.8	4.1	5.3	3.3	1.9	.08
17:00	3.0	2.2	2.9	3.5	2.6	3.8	-.2	.1	-.09
18:00	4.8	2.7	3.9	5.1	3.2	5.4	1.8	2.6	-.11
19:00	5.8	2.1	4.2	5.8	2.4	6.1	-3.7	.1	-.18
20:00	4.3	1.5	2.5	4.3	1.6	4.5	-.8	.7	-.03
21:00	1.9	.7	.6	2.1	1.2	2.2	2.7	.9	.03
22:00	1.9	.8	1.8	3.6	1.3	3.7	1.5	.6	.03
23:00	.2	.6	1.6	1.4	.9	1.6	.9	.4	.00
Avg	.0	2.1	3.0	3.7	2.6	4.1	.6	-.6	-.04
Max	6.1	5.1	6.0	6.4	5.5	7.1	3.3	2.6	.12
Hr. of Max	11	11	13	13	13	13	16	18	09
Min	.2	.3	.6	.6	.9	.9	-3.7	-5.5	-.33
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

5/31/2017

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	.07	6.0	6.6	8.2	10.2	5.1	18.1	18.1
01:00	.04	3.7	5.0	7.6	8.2	2.3	17.5	17.7
02:00	-.07	3.4	3.9	7.6	8.2	4.4	17.2	17.6
03:00	.02	3.0	4.1	6.4	8.5	7.1	17.2	17.9
04:00	-.05	4.8	5.3	5.3	8.7	4.0	16.9	17.6
05:00	.00	3.4	2.5	4.4	9.2	8.5	16.9	17.2
06:00	-.04	3.4	4.1	4.8	7.1	6.1	16.9	17.1
07:00	-.03	3.0	3.7	5.0	10.1	8.1	17.1	17.2
08:00	-.14	2.3	3.7	5.0	16.3	11.5	17.8	17.4
09:00	-.12	8.9	9.2	9.4	20.5	16.1	19.2	18.5
10:00	-.37	12.4	14.4	16.7	19.4	15.5	21.5	20.7
11:00	-.41	10.8	14.4	14.0	17.4	14.8	23.3	22.5
12:00	-.57	11.2	12.6	12.4	24.9	24.7	25.0	24.1
13:00	-.33	11.9	13.5	14.7	18.8	17.0	25.9	25.2
14:00	-.02	9.8	13.5	13.3	23.0	18.3	26.6	25.7
15:00	-.31	10.3	10.5	11.2	23.6	20.5	27.0	26.2
16:00	.06	10.3	9.6	14.4	22.1	18.0	27.5	26.6
17:00	-.02	8.0	8.2	11.7	19.6	21.4	27.4	26.8
18:00	.03	9.8	11.2	13.1	22.2	15.6	27.8	27.1
19:00	-.03	7.1	18.1	18.3	9.5	6.1	26.7	26.8
20:00	.06	4.6	9.4	11.2	6.2	2.7	24.3	25.9
21:00	.04	3.2	2.7	5.0	8.5	6.8	22.1	24.4
22:00	.04	3.7	5.7	9.2	10.5	8.1	20.4	22.9
23:00	.01	3.0	3.7	5.7	8.1	11.2	19.4	21.4
Avg	-.09	6.6	8.2	9.8	14.2	11.4	21.7	21.8
Max	.07	12.4	18.1	18.3	24.9	24.7	27.8	27.1
Hr. of Max	00	10	19	19	12	12	18	18
Min	-.57	2.3	2.5	4.4	6.2	2.3	16.9	17.1
Count	24	24	24	24	24	24	24	24
Total								