Date Printed: 07/22/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/21/2016

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	24.9	27.0	27.2	27.6	2.05	2.25	2.63	.21	.58
01:00	24.6	26.5	26.9	27.3	1.84	2.32	2.64	.48	.80
02:00	24.9	26.3	26.3	26.5	1.32	1.41	1.59	.08	.27
03:00	24.8	25.8	25.8	26.0	.96	1.00	1.22	.04	.26
04:00	23.4	25.0	25.4	25.6	1.58	1.94	2.19	.36	.61
05:00	23.6	24.9	25.0	25.1	1.33	1.35	1.47	.02	.14
06:00	23.7	24.9	25.0	25.1	1.19	1.33	1.48	.14	.29
07:00	24.6	25.0	25.1	25.1	.42	.44	.52	.02	.10
08:00	25.7	25.4	25.3	25.3	-.21	-.36	-.39	-.15	-.17
09:00	27.5	26.7	26.5	26.4	-.76	-1.03	-1.14	-.27	-.38
10:00	29.0	28.0	27.7	27.6	-.93	-1.25	-1.42	-.32	-.49
11:00	30.9	29.7	29.5	29.3	-1.16	-1.43	-1.57	-.27	-.41
12:00	32.3	31.1	30.7	30.5	-1.28	-1.67	-1.80	-.39	-.52
13:00	33.8	32.2	31.9	31.8	-1.57	-1.92	-2.02	-.35	-.45
14:00	34.8	33.1	32.6	32.5	-1.74	-2.16	-2.32	-.42	-.59
15:00	35.0	33.4	33.0	32.8	-1.65	-2.01	-2.19	-.36	-.54
16:00	34.8	33.6	33.2	33.0	-1.18	-1.58	-1.75	-.40	-.57
17:00	34.9	33.7	33.3	33.1	-1.15	-1.53	-1.77	-.38	-.62
18:00	32.9	32.5	32.6	32.6	-.36	-.33	-.31	.03	.05
19:00	31.5	32.0	32.2	32.4	.58	.72	.88	.14	.31
20:00	29.1	30.4	31.3	31.5	1.26	2.16	2.42	.90	1.16
21:00	27.3	29.0	29.9	30.3	1.65	2.55	2.99	.90	1.34
22:00	25.9	27.6	28.4	28.8	1.66	2.48	2.91	.81	1.24
23:00	24.8	26.3	27.0	27.5	1.49	2.25	2.75	.76	1.26
Avg	28.5	28.8	28.8	28.9	.22	.29	.38	.07	.15
Max	35.0	33.7	33.3	33.1	2.05	2.55	2.99	.90	1.34
Hr. of Max	15	17	17	17	00	21	21	21	21
Min	23.4	24.9	25.0	25.1	-1.74	-2.16	-2.32	-.42	-.62
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/21/2016

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	20.9	20.3	22.2	29.4	80.2	68.7	18.0	17.3	0.015945
01:00	20.8	20.0	22.1	29.2	81.5	69.7	17.9	17.1	0.01589
02:00	20.7	19.9	22.1	28.9	79.7	69.8	17.9	16.9	0.015843
03:00	20.2	20.0	21.7	28.7	77.6	72.7	17.3	17.1	0.015318
04:00	20.2	19.8	21.3	28.5	84.3	74.9	17.4	16.9	0.015327
05:00	20.3	19.7	21.4	28.3	83.6	74.7	17.4	16.8	0.015368
06:00	20.3	19.7	21.4	28.1	83.5	75.1	17.4	16.8	0.015389
07:00	19.6	18.9	21.3	27.9	75.6	70.3	16.7	15.9	0.014719
08:00	19.0	18.4	21.2	27.7	68.3	66.6	16.0	15.4	0.014164
09:00	18.5	17.7	21.5	27.6	59.5	59.3	15.4	14.8	0.01373
10:00	18.1	17.4	21.7	27.6	53.3	53.9	15.0	14.4	0.013418
11:00	18.5	17.8	22.6	27.8	49.1	50.2	15.4	14.7	0.013831
12:00	18.8	18.5	23.3	28.2	46.2	48.5	15.6	15.3	0.014129
13:00	18.1	17.9	23.3	28.9	40.7	43.9	14.9	14.8	0.013535
14:00	17.1	17.1	23.0	29.7	36.3	39.9	14.0	14.0	0.012743
15:00	17.4	17.4	23.3	30.3	36.6	40.0	14.2	14.3	0.013008
16:00	16.9	17.0	22.9	30.6	36.0	38.4	13.8	13.9	0.01262
17:00	17.6	17.7	23.4	30.9	37.4	39.9	14.4	14.5	0.013217
18:00	18.9	18.9	23.6	31.1	45.4	46.1	15.7	15.7	0.014269
19:00	20.5	19.7	24.2	31.2	54.1	49.6	17.4	16.4	0.015781
20:00	21.2	20.5	23.9	31.2	64.6	57.4	18.2	17.4	0.016434
21:00	21.1	20.5	23.2	31.0	71.0	61.9	18.2	17.4	0.016291
22:00	21.0	20.5	22.6	30.7	76.5	67.2	18.1	17.5	0.016127
23:00	20.7	20.5	22.0	30.4	80.2	72.7	17.8	17.6	0.015799
Avg	19.4	19.0	22.5	29.3	62.6	58.8	16.4	16.0	0.014704
Max	21.2	20.5	24.2	31.2	84.3	75.1	18.2	17.6	0.016434
Hr. of Max	20	23	19	20	04	06	21	23	20
Min	16.9	17.0	21.2	27.6	36.0	38.4	13.8	13.9	0.01262
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)

7/21/2016

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	0.015418	24.7	24.0	.00	29.24	990.2	-2.3	.00	47.8
01:00	0.015174	24.7	23.6	.00	29.24	990.2	-2.4	.00	357.5
02:00	0.015029	24.6	23.3	.00	29.22	989.6	-2.3	.00	40.0
03:00	0.015183	23.8	23.6	.00	29.21	989.3	-2.3	.00	54.4
04:00	0.014968	23.8	23.2	.00	29.21	989.2	-2.5	.00	19.2
05:00	0.014869	23.9	23.1	.00	29.21	989.3	-1.7	.00	45.7
06:00	0.014851	23.9	23.1	.00	29.23	990.0	.7	.00	61.4
07:00	0.014058	22.9	21.9	.00	29.25	990.6	43.4	.06	42.3
08:00	0.013633	22.1	21.3	.00	29.26	991.0	167.5	.24	54.9
09:00	0.013088	21.4	20.4	.00	29.27	991.1	472.2	.68	80.2
10:00	0.012865	20.9	20.1	.00	29.26	991.0	693.4	.99	98.9
11:00	0.013217	21.5	20.6	.00	29.26	990.7	839.3	1.20	214.7
12:00	0.013789	22.0	21.5	.00	29.24	990.2	927.7	1.33	186.1
13:00	0.01336	21.1	20.8	.00	29.23	989.8	1022.0	1.47	279.4
14:00	0.012696	19.9	19.8	.00	29.21	989.3	998.9	1.43	316.1
15:00	0.012998	20.2	20.2	.00	29.19	988.5	909.3	1.30	321.5
16:00	0.012613	19.6	19.6	.00	29.17	987.8	645.7	.93	16.1
17:00	0.013224	20.5	20.5	.00	29.14	987.0	462.9	.66	341.1
18:00	0.014262	22.1	22.1	.00	29.14	986.8	230.4	.33	327.9
19:00	0.014938	24.4	23.1	.00	29.15	987.1	186.2	.27	326.7
20:00	0.015689	25.4	24.3	.00	29.17	987.8	20.1	.03	339.4
21:00	0.015642	25.2	24.2	.00	29.18	988.1	-2.1	.00	346.7
22:00	0.015628	25.0	24.2	.00	29.19	988.6	-2.5	.00	335.5
23:00	0.015652	24.5	24.3	.00	29.19	988.6	-2.1	.00	305.2
Avg	0.014285	22.8	22.2	.00	29.21	989.2	316.6	.46	7.0
Max	0.015689	25.4	24.3	.00	29.27	991.1	1022.0	1.47	357.5
Hr. of Max	20	20	23	23	09	09	13	13	01
Min	0.012613	19.6	19.6	.00	29.14	986.8	-2.5	.00	16.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/21/2016

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	64.7	53.2	50.9	39.3	23.8	12.6	10.1	.9	2.5
01:00	63.2	59.8	354.5	45.5	40.3	17.3	10.8	.7	2.2
02:00	51.4	61.2	42.7	48.9	16.8	10.1	7.4	2.0	4.2
03:00	67.7	63.7	56.7	51.3	17.0	10.4	7.4	1.9	3.8
04:00	59.0	65.0	19.8	51.1	25.2	11.2	7.2	.6	2.1
05:00	56.1	61.5	48.0	48.0	20.1	14.4	8.5	1.2	2.6
06:00	83.7	83.2	64.9	69.8	33.7	15.2	11.9	1.0	2.7
07:00	53.4	58.9	45.1	46.8	21.8	14.1	9.0	2.2	4.5
08:00	58.9	62.1	56.6	49.5	24.9	15.1	9.6	2.4	4.0
09:00	78.8	74.7	82.6	60.9	26.4	20.4	17.8	2.9	3.5
10:00	101.5	99.5	100.4	82.1	45.1	35.1	29.8	2.4	2.6
11:00	229.9	221.8	227.1	225.7	66.6	57.3	46.1	1.5	1.7
12:00	191.6	191.0	193.5	188.1	39.3	43.0	36.5	2.5	2.6
13:00	294.6	289.9	279.3	282.2	51.7	43.9	45.5	2.0	2.4
14:00	332.1	337.7	313.3	322.8	54.5	42.7	46.4	1.7	2.7
15:00	330.7	332.4	321.1	317.5	55.0	46.4	44.7	2.9	4.1
16:00	15.7	9.2	14.3	355.2	51.0	34.4	33.5	2.6	4.1
17:00	351.9	359.9	341.1	345.0	50.4	38.4	31.3	2.5	3.6
18:00	354.8	1.5	326.1	346.2	24.4	17.5	15.8	2.3	3.7
19:00	355.6	.8	328.8	345.8	20.7	13.2	11.0	2.0	3.9
20:00	9.6	12.8	340.1	357.8	17.7	8.7	8.6	2.0	5.2
21:00	31.8	27.5	346.2	11.3	26.6	9.0	7.0	1.2	3.5
22:00	71.6	89.8	332.8	65.1	46.1	51.2	14.5	.7	.8
23:00	34.6	106.7	284.3	87.9	45.9	27.7	15.4	.9	.1
Avg	38.0	44.0	5.0	28.0	35.2	25.4	20.2	.0	.0
Max	355.6	359.9	354.5	357.8	66.6	57.3	46.4	2.9	5.2
Hr. of Max	19	17	01	20	11	11	14	15	20
Min	9.6	.8	14.3	11.3	16.8	8.7	7.0	.6	.1
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)

7/21/2016

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	4.4	1.0	2.6	4.5	1.3	4.7	.7	.4	.01
01:00	3.9	1.0	2.6	4.2	1.3	4.4	-.3	1.1	-.04
02:00	5.6	2.1	4.3	5.7	2.3	6.0	-3.6	-.2	-.22
03:00	5.2	2.0	3.8	5.2	2.1	5.4	-3.8	-.6	-.19
04:00	3.7	.8	2.2	3.7	.9	3.9	1.3	-.7	.01
05:00	4.2	1.4	2.7	4.3	1.5	4.5	-.6	-.2	-.03
06:00	3.9	1.3	2.9	4.1	1.6	4.4	1.3	.9	-.01
07:00	6.6	2.3	4.7	6.7	2.7	7.0	-4.3	-.1	-.30
08:00	5.4	2.6	4.2	5.5	2.8	5.8	-3.3	-1.4	-.28
09:00	3.7	3.2	3.8	4.0	3.7	4.4	.0	2.0	-.02
10:00	2.7	2.8	2.9	3.2	3.3	3.8	-1.0	-4.8	-.03
11:00	1.8	2.3	2.4	2.3	3.0	3.0	-2.3	-5.2	-.18
12:00	2.7	3.0	3.2	3.2	3.6	3.8	-.8	.5	-.06
13:00	2.4	3.7	4.2	4.1	4.3	4.8	-4.5	.9	-.43
14:00	3.1	3.0	3.9	4.2	3.8	4.9	-2.0	1.5	-.20
15:00	4.9	3.9	4.9	5.7	4.5	6.3	-5.2	-7.6	-.58
16:00	4.6	3.5	4.6	5.2	4.1	5.9	-4.1	-1.8	-.51
17:00	4.3	3.2	4.2	5.0	3.7	5.6	-2.7	1.7	-.35
18:00	4.7	2.4	3.9	5.0	2.7	5.3	-4.3	-1.3	-.35
19:00	5.1	2.1	4.0	5.2	2.3	5.5	-1.9	.2	-.13
20:00	7.1	2.1	5.3	7.2	2.3	7.5	-3.2	.7	-.14
21:00	5.3	1.5	3.8	5.5	1.7	5.7	-2.1	2.8	-.07
22:00	1.5	.9	.9	1.6	1.1	1.8	1.3	.2	.04
23:00	1.1	1.1	1.2	1.6	1.4	1.9	.4	.2	-.01
Avg	.0	2.2	3.5	4.5	2.6	4.8	-1.9	-.5	-.17
Max	7.1	3.9	5.3	7.2	4.5	7.5	1.3	2.8	.04
Hr. of Max	20	15	20	20	15	20	22	21	22
Min	1.1	.8	.9	1.6	.9	1.8	-5.2	-7.6	-.58
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/21/2016

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	3.0	4.8	8.9	10.7	6.2	28.4	28.6
01:00	.06	3.4	6.0	7.6	10.4	5.4	27.8	28.3
02:00	-.06	5.3	7.8	9.8	13.7	5.5	27.7	27.6
03:00	-.07	5.0	15.1	13.1	11.5	3.8	27.2	27.1
04:00	-.07	3.2	5.3	10.8	12.3	5.2	26.4	26.7
05:00	-.04	3.2	5.7	7.3	12.3	6.3	26.4	26.2
06:00	.06	5.0	8.0	7.3	16.9	7.3	26.3	26.2
07:00	-.05	7.3	8.9	11.0	17.9	7.0	26.4	26.1
08:00	-.19	6.4	8.5	14.7	20.4	8.2	26.8	26.2
09:00	.11	8.2	9.6	10.8	19.7	18.1	28.0	27.2
10:00	-.25	10.5	9.6	10.1	27.5	29.7	29.2	28.4
11:00	-.28	6.6	7.1	7.1	28.6	34.0	30.8	30.0
12:00	-.02	10.3	10.3	9.4	24.8	25.8	32.1	31.2
13:00	.08	9.8	8.9	11.0	23.8	27.6	33.2	32.4
14:00	.10	12.4	10.3	10.8	27.9	26.3	34.0	33.0
15:00	-.85	13.1	13.3	12.4	23.0	20.7	34.3	33.3
16:00	-.38	12.1	12.6	14.4	24.7	22.8	34.5	33.5
17:00	.05	8.7	10.8	9.8	25.6	22.0	34.8	33.8
18:00	-.20	8.5	9.4	10.1	17.8	9.4	33.7	33.3
19:00	.00	6.2	6.6	8.5	13.1	5.1	33.3	33.1
20:00	.08	4.4	8.9	10.1	10.9	3.7	31.7	32.4
21:00	.25	3.0	10.5	14.2	10.0	4.3	30.3	31.3
22:00	.02	2.5	5.0	3.4	9.3	7.5	28.9	29.9
23:00	.00	4.8	4.4	4.8	6.7	5.0	27.7	28.8
Avg	-.07	6.8	8.6	9.9	17.5	13.2	30.0	29.8
Max	.25	13.1	15.1	14.7	28.6	34.0	34.8	33.8
Hr. of Max	21	15	03	08	11	11	17	17
Min	-.85	2.5	4.4	3.4	6.7	3.7	26.3	26.1
Count	24	24	24	24	24	24	24	24
Total								