Date Printed: 08/25/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

8/24/2016

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	19.8	21.1	21.3	21.9	1.29	1.57	2.09	.28	.80
01:00	19.3	20.4	20.7	21.1	1.07	1.42	1.81	.34	.73
02:00	19.0	20.0	20.4	20.9	1.01	1.40	1.89	.39	.89
03:00	19.0	19.9	20.2	20.7	.91	1.16	1.72	.25	.81
04:00	19.3	20.0	20.0	20.2	.71	.71	.89	.01	.19
05:00	19.4	20.0	20.0	20.2	.57	.60	.81	.03	.23
06:00	20.1	20.4	20.4	20.5	.34	.34	.46	-.01	.12
07:00	20.7	20.8	20.7	20.8	.09	.00	.08	-.08	-.01
08:00	21.7	21.5	21.3	21.3	-.17	-.36	-.38	-.19	-.21
09:00	22.9	22.7	22.5	22.4	-.23	-.46	-.56	-.23	-.32
10:00	24.3	24.0	23.7	23.6	-.34	-.58	-.66	-.24	-.32
11:00	25.9	25.4	25.1	25.0	-.51	-.80	-.90	-.29	-.39
12:00	27.5	26.7	26.4	26.3	-.83	-1.13	-1.21	-.30	-.38
13:00	29.1	28.1	27.8	27.7	-.94	-1.26	-1.35	-.32	-.41
14:00	29.7	28.9	28.6	28.6	-.86	-1.12	-1.14	-.26	-.29
15:00	30.0	29.3	29.0	28.9	-.67	-.94	-1.03	-.27	-.36
16:00	31.0	30.3	30.0	29.8	-.74	-1.02	-1.18	-.28	-.44
17:00	31.3	30.7	30.4	30.2	-.58	-.93	-1.05	-.35	-.47
18:00	30.7	30.4	30.2	30.1	-.23	-.48	-.56	-.25	-.33
19:00	27.4	28.7	28.9	29.1	1.25	1.48	1.66	.23	.41
20:00	25.2	26.6	27.5	28.1	1.47	2.38	2.97	.91	1.50
21:00	23.9	25.5	26.0	26.6	1.53	2.06	2.67	.53	1.14
22:00	23.1	24.5	25.2	26.0	1.37	2.08	2.86	.71	1.49
23:00	22.5	24.0	24.7	25.5	1.43	2.19	2.97	.77	1.55
Avg	24.3	24.6	24.6	24.8	.29	.35	.54	.06	.25
Max	31.3	30.7	30.4	30.2	1.53	2.38	2.97	.91	1.55
Hr. of Max	17	17	17	17	21	20	23	20	23
Min	19.0	19.9	20.0	20.2	-.94	-1.26	-1.35	-.35	-.47
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/24/2016

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	18.0	18.3	18.6	25.2	91.3	86.4	15.3	15.6	0.013216
01:00	17.7	18.3	18.2	25.1	92.5	89.7	15.1	15.5	0.013008
02:00	17.5	18.4	18.0	25.0	93.3	92.7	14.9	15.7	0.012848
03:00	17.7	18.4	18.1	24.9	94.0	93.1	15.0	15.7	0.012976
04:00	18.0	18.3	18.4	24.7	94.1	92.1	15.3	15.6	0.013214
05:00	18.1	18.3	18.6	24.6	94.2	92.2	15.4	15.6	0.013348
06:00	18.6	18.6	19.1	24.5	93.4	91.2	15.9	15.8	0.013785
07:00	18.9	18.7	19.5	24.4	91.4	89.8	16.1	15.9	0.013996
08:00	19.1	19.0	20.0	24.3	87.4	87.3	16.3	16.2	0.014233
09:00	19.4	19.1	20.6	24.3	82.7	82.2	16.6	16.3	0.014522
10:00	19.2	18.8	20.9	24.3	75.2	74.5	16.3	15.9	0.014354
11:00	19.9	19.3	21.9	24.3	71.6	70.8	17.0	16.3	0.014997
12:00	20.2	19.4	22.6	24.4	66.1	66.2	17.2	16.4	0.015268
13:00	20.5	19.8	23.3	24.6	61.8	62.5	17.4	16.7	0.015597
14:00	20.7	20.1	23.7	24.8	60.0	60.9	17.6	17.0	0.015783
15:00	20.9	20.2	23.9	25.1	60.1	59.9	17.8	17.1	0.016015
16:00	20.3	19.5	23.8	25.3	54.4	54.0	17.1	16.3	0.015432
17:00	19.7	19.0	23.6	25.5	51.8	51.0	16.5	15.8	0.014904
18:00	20.3	19.7	23.8	25.8	55.8	54.4	17.2	16.5	0.015498
19:00	21.6	20.9	23.5	26.0	72.6	64.8	18.7	17.9	0.016694
20:00	21.5	20.9	22.7	26.1	82.2	73.1	18.7	18.0	0.016569
21:00	21.1	21.1	22.0	26.1	86.4	79.2	18.3	18.3	0.016176
22:00	20.9	21.4	21.6	26.0	89.6	85.1	18.1	18.6	0.015933
23:00	20.7	21.3	21.3	25.9	91.7	87.3	18.0	18.5	0.015766
Avg	19.6	19.5	21.2	25.1	78.9	76.7	16.7	16.6	0.014756
Max	21.6	21.4	23.9	26.1	94.2	93.1	18.7	18.6	0.016694
Hr. of Max	19	22	15	21	05	03	20	22	19
Min	17.5	18.3	18.0	24.3	51.8	51.0	14.9	15.5	0.012848
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/24/2016

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	0.013545	20.7	21.2	.00	29.32	992.9	-2.1	.00	357.8
01:00	0.013484	20.3	21.1	.00	29.31	992.6	-1.3	.00	354.3
02:00	0.013595	20.1	21.2	.00	29.30	992.2	-2.2	.00	358.5
03:00	0.013609	20.3	21.2	.00	29.29	992.1	-3.2	.00	49.5
04:00	0.013507	20.6	21.1	.00	29.30	992.2	-2.7	.00	59.2
05:00	0.013543	20.8	21.1	.00	29.30	992.3	-1.4	.00	36.0
06:00	0.013746	21.5	21.5	.00	29.32	992.9	-2.2	.00	49.5
07:00	0.013819	21.9	21.6	.00	29.34	993.5	19.0	.03	38.5
08:00	0.014078	22.2	22.0	.00	29.34	993.7	89.8	.13	40.7
09:00	0.014217	22.7	22.2	.00	29.35	993.9	162.8	.23	83.3
10:00	0.013931	22.4	21.8	.00	29.35	993.9	276.2	.40	90.5
11:00	0.014377	23.4	22.5	.00	29.36	994.2	413.9	.59	221.7
12:00	0.01457	23.8	22.7	.00	29.34	993.6	689.7	.99	228.7
13:00	0.014937	24.3	23.3	.00	29.32	992.9	746.3	1.07	219.8
14:00	0.015237	24.6	23.7	.00	29.30	992.4	627.7	.90	214.5
15:00	0.015371	24.9	23.9	.00	29.28	991.7	620.4	.89	195.8
16:00	0.014664	24.0	22.8	.00	29.26	990.7	643.3	.92	200.5
17:00	0.014224	23.2	22.1	.00	29.24	990.3	423.6	.61	221.2
18:00	0.014916	24.1	23.2	.00	29.24	990.1	225.8	.32	225.6
19:00	0.016063	25.9	24.9	.00	29.23	989.9	44.8	.06	259.0
20:00	0.016056	25.7	24.9	.00	29.24	990.2	.2	.00	318.0
21:00	0.016235	25.1	25.2	.00	29.26	990.9	-2.1	.00	338.1
22:00	0.016438	24.8	25.5	.00	29.27	991.1	-2.3	.00	298.8
23:00	0.01636	24.5	25.4	.00	29.26	990.9	-2.4	.00	257.1
Avg	0.014605	23.0	22.8	.00	29.30	992.1	206.7	.30	317.0
Max	0.016438	25.9	25.5	.00	29.36	994.2	746.3	1.07	358.5
Hr. of Max	22	19	22	23	11	11	13	13	02
Min	0.013484	20.1	21.1	.00	29.23	989.9	-3.2	.00	36.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/24/2016

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	73.5	61.6	357.6	47.8	22.7	11.2	11.2	.6	1.3
01:00	66.1	73.3	346.4	59.3	43.5	13.1	11.6	.4	.8
02:00	60.9	32.9	357.1	13.6	34.3	9.5	10.1	.4	1.5
03:00	69.6	52.5	55.9	39.0	13.7	8.2	9.6	1.2	2.7
04:00	71.6	68.6	62.5	56.7	13.1	9.5	5.8	1.3	2.4
05:00	60.5	74.7	37.1	62.7	11.0	7.8	4.8	1.7	2.3
06:00	59.4	59.4	51.1	47.0	20.8	10.9	8.0	1.0	2.1
07:00	59.0	74.1	39.6	62.0	20.6	17.2	11.9	1.3	2.0
08:00	49.7	58.2	37.9	42.7	27.6	18.3	13.8	1.0	1.8
09:00	71.5	65.3	85.2	51.0	24.2	23.5	15.8	1.7	1.7
10:00	55.8	60.3	92.4	34.6	58.9	47.6	56.7	1.1	1.2
11:00	233.3	223.6	228.9	222.3	37.2	31.5	30.0	1.7	2.0
12:00	237.2	232.4	235.2	226.6	35.9	31.7	33.2	2.7	3.6
13:00	226.9	226.4	226.3	220.0	36.6	29.4	24.0	3.7	4.6
14:00	222.0	220.4	220.9	214.8	52.8	43.0	31.4	2.3	3.0
15:00	209.7	202.7	205.2	199.4	42.0	36.7	29.9	1.5	1.9
16:00	206.3	202.6	208.3	198.4	43.3	35.4	32.8	2.8	3.4
17:00	232.8	230.9	226.8	224.5	39.1	32.6	29.4	3.3	4.5
18:00	234.2	231.6	230.7	225.2	23.4	18.1	13.6	2.9	4.3
19:00	239.8	230.1	260.7	224.4	15.4	9.7	6.0	1.2	2.1
20:00	144.6	183.2	315.3	201.1	18.6	35.2	43.3	.8	.1
21:00	63.3	79.8	327.8	59.1	44.6	16.7	13.5	.5	1.0
22:00	328.5	181.3	290.0	195.9	37.5	59.4	31.7	.8	.6
23:00	225.0	210.5	260.8	206.7	23.2	27.8	8.1	1.7	2.2
Avg	110.0	136.0	308.0	132.0	30.8	24.3	20.3	.0	.0
Max	328.5	232.4	357.6	226.6	58.9	59.4	56.7	3.7	4.6
Hr. of Max	22	12	00	12	10	22	10	13	13
Min	49.7	32.9	37.1	13.6	11.0	7.8	4.8	.4	.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/24/2016

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	2.3	.7	1.3	2.3	.9	2.5	1.9	.3	.03
01:00	1.7	.7	.8	1.8	.9	2.0	1.6	-.4	.03
02:00	1.9	.4	1.5	2.0	.7	2.2	1.2	2.5	.02
03:00	3.5	1.2	2.7	3.6	1.4	3.8	2.2	1.7	.03
04:00	3.4	1.3	2.5	3.4	1.5	3.5	-2.0	-.5	-.07
05:00	3.0	1.7	2.3	3.0	1.9	3.2	-3.1	.9	-.12
06:00	3.2	1.2	2.3	3.2	1.4	3.4	1.7	-.6	-.01
07:00	2.7	1.5	2.2	2.8	1.7	3.0	-5.3	-.7	-.20
08:00	2.2	1.2	1.9	2.2	1.5	2.5	-6.6	-1.4	-.24
09:00	2.0	1.8	1.9	2.1	2.2	2.4	3.6	2.9	.13
10:00	1.0	1.6	1.6	1.6	2.0	2.1	3.3	10.5	.09
11:00	2.2	2.0	2.2	2.4	2.5	2.8	4.2	-3.9	.09
12:00	3.9	3.3	4.1	4.5	3.8	5.1	.0	.8	-.07
13:00	5.4	4.3	5.2	5.9	5.0	6.4	-1.6	-.9	-.30
14:00	3.7	3.4	3.8	4.2	4.0	4.8	-1.0	-.6	-.16
15:00	2.4	2.0	2.3	2.7	2.6	3.2	-6.2	-6.9	-.25
16:00	4.0	3.5	3.9	4.5	4.0	5.0	-1.2	-.8	-.14
17:00	5.0	4.0	5.2	5.6	4.4	6.1	1.7	1.1	-.02
18:00	5.1	3.3	4.7	5.3	3.8	5.8	-.2	1.1	-.14
19:00	3.5	1.3	2.2	3.5	1.6	3.8	-.8	.2	-.04
20:00	1.0	.9	.2	1.1	1.0	1.4	-.8	-.3	-.02
21:00	1.0	.6	1.1	1.1	.9	1.4	1.3	.9	.02
22:00	1.0	1.0	1.0	1.6	1.3	1.8	.7	-1.4	.01
23:00	4.3	1.7	2.3	4.3	2.1	4.6	-.8	-.9	-.04
Avg	.0	1.9	2.5	3.1	2.2	3.5	-.3	.2	-.06
Max	5.4	4.3	5.2	5.9	5.0	6.4	4.2	10.5	.13
Hr. of Max	13	13	17	13	13	13	11	10	09
Min	1.0	.4	.2	1.1	.7	1.4	-6.6	-6.9	-.30
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

8/24/2016

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	2.1	3.2	4.8	8.0	3.4	22.3	23.0
01:00	.01	1.4	2.5	5.7	7.3	4.9	21.7	22.2
02:00	.09	3.0	3.2	3.7	7.9	5.1	21.3	21.9
03:00	.08	3.4	4.4	6.9	10.9	4.8	21.2	21.8
04:00	-.03	3.0	4.6	6.0	10.5	4.3	21.3	21.2
05:00	.05	3.2	3.7	4.8	7.1	3.9	21.3	21.3
06:00	-.05	3.2	5.0	6.6	13.4	4.9	21.8	21.6
07:00	-.04	3.0	3.4	4.6	12.5	5.7	22.2	21.8
08:00	-.09	4.4	6.6	5.7	20.2	13.8	23.0	22.4
09:00	.12	4.8	5.3	5.0	20.0	15.1	24.2	23.5
10:00	.35	6.9	8.2	8.5	25.4	27.9	25.4	24.8
11:00	-.25	6.2	6.6	7.6	26.7	24.0	26.7	25.9
12:00	-.04	8.9	8.9	10.3	24.0	21.2	28.0	27.1
13:00	-.15	13.3	11.7	14.4	20.0	17.5	29.3	28.5
14:00	-.02	10.3	10.8	11.2	22.4	22.0	30.2	29.5
15:00	-.40	7.1	6.2	6.6	23.4	25.5	30.7	29.9
16:00	-.24	8.9	10.5	10.3	19.7	22.8	31.5	30.7
17:00	.00	10.1	10.5	16.5	18.5	17.8	31.8	31.0
18:00	.02	13.1	14.4	12.1	16.4	10.8	31.6	31.0
19:00	.01	5.5	4.6	10.8	9.1	4.4	30.2	30.3
20:00	-.01	1.8	2.3	5.0	7.2	8.7	28.1	29.4
21:00	.03	2.3	3.2	2.7	6.8	7.4	27.0	28.0
22:00	-.03	2.5	2.7	3.7	6.3	6.7	26.1	27.4
23:00	-.08	4.4	8.0	11.7	5.4	4.5	25.6	26.9
Avg	-.03	5.5	6.3	7.7	14.5	12.0	25.9	25.9
Max	.35	13.3	14.4	16.5	26.7	27.9	31.8	31.0
Hr. of Max	10	13	18	17	11	10	17	18
Min	-.40	1.4	2.3	2.7	5.4	3.4	21.2	21.2
Count	24	24	24	24	24	24	24	24
Total								