Date Printed: 07/25/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/24/2016

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	21.8	22.4	22.7	23.0	.58	.88	1.13	.30	.55
01:00	21.6	22.2	22.5	22.7	.57	.87	1.11	.30	.54
02:00	21.6	21.6	21.7	22.0	-.01	.15	.41	.16	.42
03:00	21.5	21.6	21.7	21.8	.14	.19	.33	.05	.19
04:00	21.5	21.4	21.4	21.5	-.11	-.16	.02	-.05	.13
05:00	21.3	21.2	21.1	21.2	-.13	-.18	-.08	-.05	.05
06:00	21.2	21.2	21.1	21.2	-.09	-.11	.00	-.02	.09
07:00	21.5	21.3	21.2	21.4	-.17	-.24	-.07	-.06	.11
08:00	22.3	22.1	21.9	21.9	-.23	-.41	-.39	-.17	-.16
09:00	23.3	22.7	22.3	22.5	-.55	-.97	-.78	-.42	-.23
10:00	24.6	23.8	22.9	23.2	-.78	-1.64	-1.34	-.86	-.57
11:00	26.7	25.7	24.4	24.8	-.98	-2.30	-1.83	-1.32	-.85
12:00	28.9	27.7	27.4	27.0	-1.17	-1.48	-1.91	-.30	-.74
13:00	30.3	29.0	28.7	28.7	-1.30	-1.60	-1.66	-.30	-.36
14:00	31.5	30.2	29.8	29.7	-1.26	-1.61	-1.72	-.35	-.46
15:00	32.4	31.1	30.8	30.7	-1.27	-1.61	-1.71	-.34	-.44
16:00	33.1	31.9	31.5	31.5	-1.19	-1.54	-1.60	-.35	-.42
17:00	33.0	32.3	32.0	31.8	-.73	-1.07	-1.20	-.34	-.47
18:00	32.3	32.0	31.9	31.8	-.25	-.40	-.44	-.15	-.19
19:00	29.4	30.3	31.1	31.4	.85	1.63	1.97	.78	1.11
20:00	27.2	28.8	29.2	29.6	1.63	2.01	2.46	.39	.83
21:00	25.4	26.7	27.7	28.6	1.31	2.27	3.18	.97	1.88
22:00	24.6	25.3	26.2	27.1	.72	1.61	2.44	.89	1.72
23:00	23.9	25.1	25.7	26.3	1.22	1.79	2.36	.57	1.15
Avg	25.9	25.7	25.7	25.9	-.13	-.16	.03	-.03	.16
Max	33.1	32.3	32.0	31.8	1.63	2.27	3.18	.97	1.88
Hr. of Max	16	17	17	18	20	21	21	21	21
Min	21.2	21.2	21.1	21.2	-1.30	-2.30	-1.91	-1.32	-.85
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/24/2016

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	21.0	21.9	21.3	28.6	97.2	99.3	18.3	19.3	0.016099
01:00	20.8	21.7	21.1	28.4	97.6	99.3	18.1	19.0	0.015951
02:00	20.7	21.0	21.0	28.1	97.4	99.3	18.0	18.4	0.015871
03:00	20.6	21.1	20.9	27.9	97.4	99.4	17.9	18.4	0.015786
04:00	20.7	20.9	21.0	27.7	97.4	99.4	18.0	18.2	0.015824
05:00	20.5	20.7	20.8	27.5	97.5	99.5	17.8	18.0	0.015637
06:00	20.4	20.7	20.7	27.3	97.4	99.5	17.7	18.0	0.015543
07:00	20.7	20.8	20.9	27.2	97.7	99.5	18.0	18.1	0.0158
08:00	21.4	21.6	21.7	27.0	97.0	99.4	18.7	18.9	0.016506
09:00	21.2	21.5	21.9	26.9	90.2	95.1	18.4	18.8	0.016283
10:00	21.3	21.0	22.4	26.9	84.6	86.7	18.6	18.2	0.016488
11:00	21.6	21.1	23.3	27.1	76.2	77.9	18.8	18.2	0.016828
12:00	22.0	21.4	24.3	27.4	68.7	70.6	19.1	18.5	0.017273
13:00	21.9	21.3	24.7	28.0	62.6	65.2	18.9	18.3	0.017121
14:00	22.0	21.6	25.2	28.6	59.3	61.8	19.0	18.5	0.017305
15:00	21.9	21.3	25.4	29.1	55.8	57.8	18.8	18.2	0.017194
16:00	20.8	20.1	24.9	29.4	50.4	51.4	17.6	16.9	0.016135
17:00	20.8	19.9	24.9	29.7	50.3	49.7	17.6	16.7	0.01607
18:00	21.6	20.4	25.1	29.9	55.4	52.2	18.5	17.3	0.016896
19:00	22.8	21.4	25.0	30.0	69.8	60.9	20.0	18.3	0.018153
20:00	22.7	21.7	24.2	30.0	79.1	67.8	20.0	18.8	0.017997
21:00	22.3	21.7	23.3	29.8	85.1	76.0	19.6	18.8	0.01749
22:00	21.9	22.1	22.8	29.6	87.4	84.7	19.2	19.4	0.017114
23:00	21.9	22.2	22.6	29.4	90.7	86.4	19.2	19.6	0.017045
Avg	21.4	21.2	22.9	28.4	80.9	80.8	18.6	18.4	0.0166
Max	22.8	22.2	25.4	30.0	97.7	99.5	20.0	19.6	0.018153
Hr. of Max	19	23	15	20	07	07	20	23	19
Min	20.4	19.9	20.7	26.9	50.3	49.7	17.6	16.7	0.015543
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/24/2016

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	0.017028	24.9	26.3	.00	29.13	986.6	-2.3	.00	296.9
01:00	0.016815	24.7	26.0	.00	29.12	986.3	-2.4	.00	275.0
02:00	0.016169	24.5	25.0	.00	29.12	986.0	-2.3	.00	229.5
03:00	0.016237	24.4	25.1	.00	29.12	986.0	-2.3	.00	331.3
04:00	0.016028	24.5	24.8	.00	29.11	985.9	-2.3	.00	259.9
05:00	0.015824	24.2	24.5	.00	29.12	986.1	-2.3	.00	243.9
06:00	0.015784	24.1	24.4	.00	29.13	986.5	1.8	.00	337.1
07:00	0.015922	24.4	24.6	.00	29.14	986.8	45.3	.06	6.1
08:00	0.01669	25.5	25.8	.00	29.16	987.4	149.6	.21	33.2
09:00	0.016618	25.2	25.7	.00	29.17	987.7	298.0	.43	239.9
10:00	0.016123	25.5	25.0	.00	29.16	987.5	537.2	.77	223.5
11:00	0.016219	26.0	25.1	.00	29.16	987.5	752.9	1.08	245.6
12:00	0.016584	26.7	25.6	.00	29.16	987.5	898.5	1.29	249.5
13:00	0.016536	26.4	25.6	.00	29.15	987.2	970.2	1.39	230.8
14:00	0.016792	26.7	25.9	.00	29.13	986.5	964.5	1.38	225.1
15:00	0.016588	26.5	25.6	.00	29.11	985.7	900.7	1.29	211.7
16:00	0.015363	24.9	23.7	.00	29.09	985.2	652.1	.93	258.5
17:00	0.015216	24.8	23.5	.00	29.09	985.1	422.8	.61	218.7
18:00	0.015735	26.0	24.3	.00	29.08	984.8	286.8	.41	235.9
19:00	0.016625	27.9	25.6	.00	29.08	984.8	129.3	.19	287.5
20:00	0.016976	27.7	26.2	.00	29.10	985.4	16.7	.02	271.5
21:00	0.016869	27.0	26.0	.00	29.11	985.7	-2.3	.00	294.0
22:00	0.017312	26.4	26.7	.00	29.13	986.5	-2.1	.00	243.3
23:00	0.017454	26.3	26.9	.00	29.13	986.4	-2.7	.00	246.1
Avg	0.016396	25.6	25.3	.00	29.13	986.3	291.9	.42	260.0
Max	0.017454	27.9	26.9	.00	29.17	987.7	970.2	1.39	337.1
Hr. of Max	23	19	23	23	09	09	13	13	06
Min	0.015216	24.1	23.5	.00	29.08	984.8	-2.7	.00	6.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/24/2016

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	224.2	196.0	301.4	238.9	45.1	30.0	19.2	.2	.9
01:00	289.6	153.9	277.1	150.0	22.2	24.8	33.1	1.1	.9
02:00	247.8	255.4	235.2	263.1	42.6	26.3	30.0	1.2	1.6
03:00	59.2	103.2	323.1	80.0	32.5	37.1	28.2	.5	.4
04:00	266.2	165.9	259.7	256.9	39.8	41.7	49.8	.8	1.0
05:00	327.9	99.2	248.6	46.5	45.5	38.1	27.4	.5	.3
06:00	.1	106.4	323.8	55.3	46.2	48.2	39.1	.6	.7
07:00	18.5	53.5	2.8	25.5	33.3	20.3	17.5	.9	1.6
08:00	84.5	100.8	44.2	55.4	38.4	38.9	35.3	.1	.1
09:00	243.1	224.3	245.6	226.6	23.8	22.9	20.3	2.1	2.2
10:00	227.7	225.9	229.4	224.8	37.6	31.0	27.9	2.4	2.9
11:00	250.0	244.8	249.5	239.2	40.8	33.7	30.8	2.4	3.3
12:00	253.3	244.3	252.5	238.8	45.5	37.4	36.2	2.6	3.1
13:00	239.5	238.3	238.4	232.8	30.5	23.6	19.5	4.1	4.9
14:00	233.9	230.4	230.8	225.3	42.5	34.2	25.7	3.0	3.9
15:00	222.3	220.2	215.3	214.4	53.7	48.9	38.7	2.3	3.2
16:00	267.0	265.3	263.0	258.0	37.7	33.4	26.4	3.0	3.8
17:00	228.6	221.9	227.4	219.7	25.1	24.2	25.3	2.4	3.1
18:00	233.8	224.4	240.7	221.2	25.7	18.6	17.8	1.8	2.7
19:00	264.1	251.2	286.3	245.7	14.9	11.0	11.9	1.4	3.3
20:00	268.9	283.3	273.1	276.5	19.7	13.4	10.7	1.9	2.9
21:00	242.9	218.4	288.4	224.3	29.9	22.5	24.2	1.0	1.2
22:00	225.2	220.3	246.6	221.0	21.9	42.2	34.7	2.4	3.8
23:00	237.3	236.1	248.2	231.4	19.1	10.8	5.6	1.4	2.8
Avg	254.0	214.0	263.0	233.0	33.9	29.7	26.5	.0	.0
Max	327.9	283.3	323.8	276.5	53.7	48.9	49.8	4.1	4.9
Hr. of Max	05	20	06	20	15	15	04	13	13
Min	.1	53.5	2.8	25.5	14.9	10.8	5.6	.1	.1
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/24/2016

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	1.8	.9	1.9	2.4	1.2	2.6	2.4	1.2	.05
01:00	1.1	1.9	1.9	1.9	2.2	2.2	1.4	-.3	.03
02:00	1.7	1.6	2.3	2.3	1.8	2.6	.2	-.2	-.04
03:00	.5	.5	1.0	.6	.9	1.1	-4.5	-1.0	-.10
04:00	.4	1.1	1.5	1.0	1.4	1.4	1.1	-1.1	-.02
05:00	.4	.7	.7	1.0	1.0	1.5	-.5	-.3	-.02
06:00	.4	.8	1.0	.7	1.2	1.2	-4.2	-.7	-.11
07:00	1.4	1.0	1.7	1.6	1.2	2.0	-1.3	-5.1	-.07
08:00	.3	.6	.6	.5	1.0	1.1	-2.7	-4.4	-.02
09:00	2.2	2.2	2.3	2.4	2.6	2.7	-1.9	-5.9	-.13
10:00	3.2	2.7	3.3	3.5	3.2	3.9	2.8	-.5	.01
11:00	3.8	3.2	4.0	4.4	3.6	4.9	-1.6	-4.5	-.20
12:00	3.4	3.3	3.7	4.0	3.8	4.6	-1.2	-.5	-.20
13:00	5.7	4.5	5.4	6.0	5.2	6.8	-2.4	-5.7	-.34
14:00	4.5	3.9	4.7	5.2	4.5	5.7	.8	-.1	-.07
15:00	4.0	3.8	4.7	5.2	4.3	5.7	2.5	5.4	.09
16:00	4.3	3.7	4.4	4.9	4.2	5.4	-4.2	-6.8	-.39
17:00	3.4	3.1	3.7	3.9	3.4	4.3	-.8	-5.2	-.12
18:00	3.0	2.0	3.0	3.2	2.5	3.5	-1.8	-1.5	-.09
19:00	4.4	1.5	3.4	4.6	1.7	4.8	-1.0	-1.1	-.08
20:00	4.3	1.9	3.0	4.4	2.2	4.3	-1.9	1.9	-.11
21:00	1.2	1.1	1.4	2.0	1.3	2.2	-1.1	1.0	-.04
22:00	4.3	2.5	4.2	4.7	2.8	5.0	-1.5	2.9	-.09
23:00	4.3	1.5	2.9	4.4	1.9	4.6	-1.1	.6	-.05
Avg	.0	2.1	2.8	3.1	2.5	3.5	-.9	-1.3	-.09
Max	5.7	4.5	5.4	6.0	5.2	6.8	2.8	5.4	.09
Hr. of Max	13	13	13	13	13	13	10	15	15
Min	.3	.5	.6	.5	.9	1.1	-4.5	-6.8	-.39
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

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Interval: 001h

	73_VSSpd_060m	79_PkWsH_015m	80_PkWsH_035m	81_PkWsH_060m	84_SigPhi_015m	85_SigPhi_060m	36_SonicTemp_015m	37_SonicTemp_060m
Hour	MPH	MPH	MPH	MPH	DEG	DEG	DEGC	DEGC
00:00	.03	3.0	6.4	8.7	10.2	5.9	24.2	24.5
01:00	.00	4.8	4.6	5.3	5.8	5.7	24.0	24.2
02:00	.00	5.0	7.6	6.9	13.2	6.8	23.3	23.4
03:00	-.04	2.5	3.2	2.7	12.8	14.5	23.4	23.2
04:00	-.04	2.7	3.2	3.7	15.5	11.3	23.1	22.9
05:00	-.03	3.0	3.0	2.7	12.8	10.3	22.8	22.5
06:00	-.01	3.0	4.1	4.1	17.4	14.8	22.8	22.5
07:00	-.14	3.2	4.8	7.1	25.3	8.3	23.0	22.7
08:00	-.09	2.5	2.7	2.1	26.3	25.5	24.0	23.4
09:00	-.28	5.5	5.3	5.0	17.2	17.7	24.6	23.9
10:00	-.13	6.9	7.3	8.0	26.0	21.6	25.5	24.6
11:00	-.42	8.7	8.9	11.0	24.2	19.2	27.3	26.5
12:00	-.09	10.5	10.8	9.4	24.1	25.3	29.3	28.5
13:00	-.76	11.0	11.0	11.7	21.8	20.1	30.4	29.6
14:00	-.05	11.9	11.0	11.4	22.5	21.4	31.7	30.7
15:00	.38	12.8	14.9	13.1	23.5	22.8	32.6	31.7
16:00	-.80	9.8	11.4	12.1	18.8	18.0	33.1	32.2
17:00	-.38	8.5	9.6	13.3	20.6	17.7	33.5	32.6
18:00	-.10	5.7	7.6	9.6	14.9	11.6	33.3	32.7
19:00	-.08	8.2	9.6	10.3	10.8	3.3	31.9	32.3
20:00	.07	5.7	10.1	15.1	6.5	5.5	30.4	30.8
21:00	.07	2.5	4.6	7.3	8.5	7.7	28.3	29.9
22:00	.15	8.2	12.4	14.4	8.3	11.4	27.1	28.4
23:00	.05	5.3	9.6	12.8	5.8	2.4	26.9	27.8
Avg	-.11	6.3	7.7	8.7	16.4	13.7	27.4	27.1
Max	.38	12.8	14.9	15.1	26.3	25.5	33.5	32.7
Hr. of Max	15	15	15	20	08	08	17	18
Min	-.80	2.5	2.7	2.1	5.8	2.4	22.8	22.5
Count	24	24	24	24	24	24	24	24
Total								