Date Printed: 07/14/2016 01:20

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

Daily Summary Report

Site: Tower "D" (1000 Area)

7/13/2016

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	21.2	22.1	22.2	22.4	.83	.97	1.17	.14	.34
01:00	20.8	21.6	21.9	22.0	.87	1.11	1.23	.24	.36
02:00	20.3	21.2	21.4	21.6	.89	1.11	1.28	.22	.39
03:00	19.9	20.9	21.1	21.3	.99	1.22	1.38	.23	.39
04:00	19.6	20.4	20.8	21.0	.76	1.13	1.38	.38	.62
05:00	19.6	20.0	20.2	20.4	.37	.60	.85	.23	.48
06:00	19.8	19.9	20.0	20.4	.13	.27	.67	.15	.54
07:00	20.4	20.2	20.3	20.7	-.21	-.09	.27	.12	.48
08:00	21.4	21.1	21.0	21.1	-.28	-.39	-.32	-.11	-.05
09:00	23.8	23.1	22.7	22.7	-.70	-1.13	-1.11	-.43	-.41
10:00	26.2	25.4	25.0	24.8	-.84	-1.23	-1.43	-.39	-.60
11:00	28.1	27.1	26.7	26.6	-1.03	-1.37	-1.47	-.34	-.44
12:00	29.7	28.5	28.2	28.1	-1.22	-1.50	-1.62	-.28	-.39
13:00	30.9	29.6	29.4	29.3	-1.25	-1.51	-1.61	-.26	-.35
14:00	31.6	30.4	30.1	30.1	-1.19	-1.49	-1.58	-.30	-.39
15:00	32.0	31.1	30.8	30.7	-.92	-1.23	-1.33	-.31	-.41
16:00	32.5	31.7	31.3	31.2	-.79	-1.16	-1.28	-.37	-.49
17:00	32.7	32.0	31.6	31.4	-.67	-1.02	-1.22	-.35	-.55
18:00	32.5	32.0	31.7	31.6	-.50	-.77	-.88	-.27	-.37
19:00	29.9	30.7	31.0	31.2	.86	1.16	1.34	.30	.47
20:00	27.8	28.8	29.9	30.4	.99	2.09	2.62	1.10	1.64
21:00	25.6	27.2	28.1	28.7	1.66	2.52	3.11	.87	1.45
22:00	24.3	25.9	26.6	27.4	1.58	2.33	3.08	.75	1.50
23:00	23.4	24.8	25.7	26.1	1.45	2.29	2.74	.84	1.29
Avg	25.6	25.7	25.7	25.9	.07	.16	.30	.09	.23
Max	32.7	32.0	31.7	31.6	1.66	2.52	3.11	1.10	1.64
Hr. of Max	17	18	18	18	21	21	21	20	20
Min	19.6	19.9	20.0	20.4	-1.25	-1.51	-1.62	-.43	-.60
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/13/2016

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	20.0	20.9	20.4	26.9	94.8	95.5	17.3	18.2	0.015102
01:00	19.6	20.9	20.0	26.7	95.2	97.9	16.8	18.2	0.014701
02:00	19.2	20.6	19.5	26.5	95.5	98.9	16.4	17.9	0.014318
03:00	18.9	20.3	19.2	26.2	95.9	99.0	16.2	17.6	0.014065
04:00	18.6	19.8	19.0	26.0	96.3	99.0	16.0	17.1	0.013857
05:00	18.6	19.4	19.0	25.8	96.4	99.0	15.9	16.7	0.013844
06:00	18.9	19.4	19.2	25.6	96.8	99.0	16.2	16.7	0.014043
07:00	19.4	19.6	19.7	25.4	96.2	99.0	16.7	16.9	0.014501
08:00	20.4	20.5	20.7	25.3	96.7	99.0	17.7	17.9	0.015494
09:00	20.4	20.0	21.5	25.2	83.2	84.7	17.5	17.1	0.015458
10:00	20.0	19.3	22.1	25.2	70.8	71.0	17.1	16.4	0.015172
11:00	20.0	19.2	22.7	25.5	63.4	63.9	17.0	16.2	0.01518
12:00	20.3	19.5	23.4	26.0	58.7	60.0	17.1	16.4	0.015422
13:00	20.4	19.9	23.9	26.7	55.5	57.6	17.3	16.8	0.015629
14:00	20.3	19.8	24.1	27.4	52.8	54.7	17.1	16.6	0.015524
15:00	20.0	19.5	24.0	27.8	50.5	51.7	16.8	16.3	0.015218
16:00	20.0	19.4	24.2	28.1	49.5	49.7	16.8	16.2	0.015283
17:00	19.8	19.2	24.1	28.4	48.4	48.2	16.6	15.9	0.015118
18:00	19.8	19.1	24.0	28.6	48.7	48.1	16.5	15.9	0.015074
19:00	21.7	20.5	24.4	28.8	63.7	56.3	18.7	17.4	0.016962
20:00	22.3	21.1	24.1	28.8	74.4	65.3	19.5	18.1	0.017544
21:00	21.5	21.1	22.9	28.7	80.6	71.3	18.7	18.1	0.016676
22:00	21.1	21.3	22.2	28.6	84.6	78.1	18.3	18.4	0.016227
23:00	21.1	21.7	21.9	28.3	89.3	85.0	18.4	18.9	0.016226
Avg	20.1	20.1	21.9	26.9	76.6	76.3	17.2	17.2	0.015277
Max	22.3	21.7	24.4	28.8	96.8	99.0	19.5	18.9	0.017544
Hr. of Max	20	23	19	20	06	08	20	23	20
Min	18.6	19.1	19.0	25.2	48.4	48.1	15.9	15.9	0.013844
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/13/2016

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	0.016001	23.4	24.8	.00	29.20	988.8	-2.5	.00	9.2
01:00	0.015965	22.8	24.7	.00	29.20	988.9	-2.2	.00	8.0
02:00	0.015672	22.3	24.3	.00	29.20	988.9	-2.4	.00	354.4
03:00	0.015431	21.9	23.9	.00	29.20	988.8	-2.3	.00	14.5
04:00	0.014935	21.6	23.2	.00	29.21	989.0	-2.5	.00	270.6
05:00	0.014555	21.5	22.6	.00	29.22	989.6	-2.5	.00	241.9
06:00	0.014481	21.9	22.5	.00	29.24	990.1	4.1	.01	247.9
07:00	0.014736	22.6	22.9	.00	29.25	990.4	54.7	.08	217.9
08:00	0.015608	24.1	24.3	.00	29.25	990.7	177.9	.25	213.5
09:00	0.015075	24.0	23.4	.00	29.26	990.8	508.1	.73	213.9
10:00	0.014483	23.6	22.5	.00	29.25	990.6	701.2	1.01	198.1
11:00	0.014399	23.6	22.4	.00	29.25	990.4	851.7	1.22	191.6
12:00	0.014703	24.0	22.9	.00	29.24	990.2	951.4	1.36	210.4
13:00	0.015086	24.3	23.4	.00	29.22	989.7	923.1	1.32	227.6
14:00	0.015013	24.1	23.3	.00	29.20	988.9	879.7	1.26	220.7
15:00	0.014767	23.6	22.9	.00	29.17	988.0	768.2	1.10	205.2
16:00	0.014674	23.7	22.8	.00	29.15	987.3	595.9	.85	195.1
17:00	0.014488	23.4	22.4	.00	29.12	986.2	493.0	.71	206.9
18:00	0.014468	23.3	22.4	.00	29.10	985.4	351.4	.50	226.5
19:00	0.015747	26.2	24.3	.00	29.12	986.1	166.2	.24	260.8
20:00	0.016321	27.1	25.2	.00	29.13	986.5	21.8	.03	291.7
21:00	0.016262	25.8	25.1	.00	29.14	986.8	-1.9	.00	288.4
22:00	0.016451	25.1	25.4	.00	29.16	987.5	-2.3	.00	312.6
23:00	0.016839	25.1	26.0	.00	29.17	987.9	-2.3	.00	275.8
Avg	0.015257	23.7	23.7	.00	29.19	988.6	309.5	.44	245.0
Max	0.016839	27.1	26.0	.00	29.26	990.8	951.4	1.36	354.4
Hr. of Max	23	20	23	23	09	09	12	12	02
Min	0.014399	21.5	22.4	.00	29.10	985.4	-2.5	.00	8.0
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/13/2016

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	51.8	75.9	5.7	58.6	48.5	22.0	12.4	.9	1.8
01:00	45.5	75.4	359.0	58.5	44.9	12.2	11.1	.8	1.8
02:00	37.3	75.8	316.0	47.5	59.6	41.3	13.3	.3	1.0
03:00	50.8	67.2	.8	49.7	43.4	28.1	14.8	.7	1.3
04:00	119.3	96.9	264.8	71.5	21.6	51.8	13.5	.7	.2
05:00	237.4	166.1	245.1	244.5	37.2	29.7	49.9	1.1	1.3
06:00	248.1	153.3	252.9	171.9	48.2	36.5	18.8	1.0	.6
07:00	230.8	211.2	227.3	213.3	23.0	12.1	15.7	1.4	1.8
08:00	230.4	209.0	226.4	249.4	40.6	37.0	50.7	.8	.9
09:00	225.5	221.3	219.8	219.3	28.3	20.0	22.6	3.0	3.6
10:00	212.6	206.8	207.1	203.7	39.0	27.1	20.2	2.7	3.3
11:00	201.6	197.8	197.1	193.7	47.0	38.7	27.2	2.9	3.4
12:00	223.8	221.2	218.6	217.1	43.2	33.0	31.9	2.7	3.5
13:00	233.0	224.1	235.1	219.4	45.6	36.1	30.5	3.2	4.2
14:00	231.0	226.5	225.4	220.8	36.6	35.5	34.5	3.4	4.0
15:00	216.5	211.4	207.6	205.3	47.7	41.0	34.9	3.0	4.0
16:00	208.7	207.5	202.5	201.4	22.4	19.4	18.1	4.7	5.9
17:00	213.8	209.2	212.1	203.9	25.1	20.8	16.5	4.2	5.4
18:00	231.7	224.5	231.0	218.9	24.3	19.7	15.0	3.2	4.9
19:00	218.8	205.6	259.6	202.7	28.0	17.2	12.2	1.0	2.0
20:00	232.4	199.9	288.5	204.8	27.6	22.5	14.4	.8	1.1
21:00	335.6	107.6	286.6	57.6	31.4	47.8	9.8	.9	.2
22:00	87.8	124.4	314.2	43.8	35.6	32.1	57.9	.5	.3
23:00	250.3	190.8	273.7	188.6	51.3	23.1	17.9	1.1	1.7
Avg	222.0	181.0	251.0	193.0	37.5	29.4	23.5	.0	.0
Max	335.6	226.5	359.0	249.4	59.6	51.8	57.9	4.7	5.9
Hr. of Max	21	14	01	08	02	04	22	16	16
Min	37.3	67.2	.8	43.8	21.6	12.1	9.8	.3	.2
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/13/2016

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	2.5	1.0	1.9	2.6	1.3	2.8	1.8	1.0	.01
01:00	2.2	1.0	1.8	2.3	1.2	2.5	2.1	1.3	.03
02:00	1.4	.9	1.2	1.5	1.2	1.9	1.4	1.5	.01
03:00	2.2	.8	1.4	2.3	1.1	2.5	1.0	.0	.01
04:00	.9	1.0	.9	1.1	1.4	1.4	.2	.5	.00
05:00	.3	1.3	1.4	.4	1.7	1.0	-.8	1.0	-.03
06:00	.6	1.2	.9	.6	1.4	1.1	-.1	-1.4	-.02
07:00	2.1	1.5	1.9	2.3	1.9	2.5	-1.3	-1.7	-.05
08:00	1.1	1.0	1.0	1.3	1.4	1.7	-2.9	-1.3	-.07
09:00	3.7	3.4	3.8	3.9	3.9	4.4	-1.0	-3.0	-.22
10:00	3.8	3.2	3.6	4.0	3.8	4.4	.6	-8.2	-.09
11:00	3.8	3.6	3.9	4.2	4.1	4.8	-2.7	-5.0	-.19
12:00	3.9	3.7	4.2	4.5	4.3	5.1	-.1	-1.4	-.09
13:00	4.9	4.3	5.1	5.4	4.7	6.0	1.3	-1.9	.06
14:00	4.6	4.2	4.9	5.4	4.8	6.0	-2.7	-1.5	-.33
15:00	4.8	4.0	5.0	5.7	4.6	6.3	2.4	-.1	-.01
16:00	6.5	5.1	6.1	6.8	5.8	7.3	-2.8	-2.2	-.37
17:00	6.3	4.5	5.7	6.5	5.1	6.9	.5	-.8	-.13
18:00	6.1	3.7	5.3	6.5	4.2	6.9	.3	-1.1	-.18
19:00	3.2	1.1	2.2	3.5	1.4	3.7	-1.4	-1.7	-.07
20:00	1.8	.9	1.1	1.9	1.1	2.2	3.9	-1.8	.06
21:00	.3	1.1	1.0	.3	1.4	.8	-.2	-.3	-.01
22:00	.5	.5	1.0	1.0	.8	1.3	.2	2.3	.00
23:00	2.5	1.7	2.2	3.0	1.9	3.3	1.1	-.7	-.01
Avg	.0	2.3	2.8	3.2	2.7	3.6	.0	-1.1	-.07
Max	6.5	5.1	6.1	6.8	5.8	7.3	3.9	2.3	.06
Hr. of Max	16	16	16	16	16	16	20	22	20
Min	.3	.5	.9	.3	.8	.8	-2.9	-8.2	-.37
Count	24	24	24	24	24	24	24	24	24
Total									

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Daily Summary Report

Site: Tower "D" (1000 Area)

7/13/2016

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	.05	4.4	4.6	5.7	10.1	5.0	23.7	23.8
01:00	.05	2.5	4.1	4.6	10.4	4.2	23.2	23.3
02:00	.06	2.7	3.2	5.3	8.4	4.3	22.7	22.9
03:00	-.01	2.7	3.2	4.1	8.4	4.3	22.4	22.6
04:00	.02	3.0	3.7	5.0	7.4	8.5	21.8	22.2
05:00	.01	4.4	3.9	3.2	6.9	8.4	21.3	21.7
06:00	-.02	5.3	4.6	3.7	9.7	15.3	21.3	21.7
07:00	-.08	5.0	5.5	5.3	12.2	3.2	21.6	21.9
08:00	-.01	5.5	5.3	5.7	23.4	18.6	22.8	22.4
09:00	-.32	9.4	10.1	8.5	20.5	20.9	24.7	23.9
10:00	-.64	7.8	7.3	12.1	23.9	19.4	26.7	25.8
11:00	-.35	9.4	8.7	8.9	24.5	23.8	28.3	27.5
12:00	-.21	9.4	10.1	11.0	22.1	24.9	29.6	28.9
13:00	-.23	12.8	11.4	14.0	21.7	20.7	30.9	30.0
14:00	-.32	10.3	11.7	13.5	20.4	20.8	31.6	30.8
15:00	-.04	11.7	13.7	14.4	23.1	21.0	32.2	31.4
16:00	-.39	13.5	14.0	16.3	15.9	15.7	32.7	31.9
17:00	-.26	16.0	13.7	12.1	17.1	14.3	33.0	32.2
18:00	-.22	8.9	10.5	11.7	18.3	9.2	33.0	32.3
19:00	-.11	8.9	11.9	13.3	11.9	5.3	32.1	32.1
20:00	-.07	3.4	3.2	5.0	8.6	9.1	30.2	31.5
21:00	.01	3.4	2.3	1.8	7.8	11.3	28.7	30.0
22:00	.05	2.5	3.0	2.3	7.1	6.9	27.4	28.7
23:00	-.06	4.8	6.0	6.4	10.8	6.1	26.5	27.6
Avg	-.13	7.0	7.3	8.1	14.6	12.6	27.0	27.0
Max	.06	16.0	14.0	16.3	24.5	24.9	33.0	32.3
Hr. of Max	02	17	16	16	11	12	18	18
Min	-.64	2.5	2.3	1.8	6.9	3.2	21.3	21.7
Count	24	24	24	24	24	24	24	24
Total								