

APPENDIX C

**OWI Model Sample Files –
TROP Format**

APPENDIX PBL- B TROP File

Description of trop file parameters:

Storm Name: CCYYMM date

Storm Number (for season): DDHHNN Date (GMT)

Lat: Latitude in degrees lat

Long: Longitude in degrees long

Rot: Rotation of storm wind field in degrees

S: Denotes whether or not the snap is going to be computed in the tropical model.

S=0 is not computed, any other integer (1,2,3,etc...) means it will get computed.

EyeLat: Latitude of storm center in degrees lat

Direc: Direction of storm movement in meteorological degrees (from which)

Spd: Forward speed of storm in knots

EyPres: Central pressure of storm in millibars

Pfar: Ambient pressure exterior to storm (far-field pressure) in millibars

SGW: Steering flow (surface geostrophic wind) in knots

AN1: Direction of steering flow in meteorological degrees

Rad1: Scale radius of the inner exponential pressure profile in nautical miles

B1: Holland's B.

DP1: Pressure anomaly in millibars (for multiple eye structures).

Rad2: Scale radius of the outer exponential pressure profile in nautical miles.

B2: Holland's B.

TROP File Storm 001

STORM 1 ,01, Lat, Long, Rot,S, EyeLat,Dirac, Spd,EyPres, Pfar, SGW, AN1, Rad1, B1, DP1, Rad2, B2,Comments

200607,290200, 24.430, -79.380, 0.0,1, 24.430,300.0,10.9, 980.0,1013.0, 13.1, 90.0, 11.0, 1.27, , ,
200607,290300, 24.440, -79.580, 0.0,1, 24.440,303.1,10.9, 980.0,1013.0, 13.1, 93.1, 11.0, 1.27, , ,
200607,290400, 24.440, -79.780, 0.0,1, 24.440,300.0,10.9, 980.0,1013.0, 13.1, 90.0, 11.0, 1.27, , ,
200607,290500, 24.440, -79.970, 0.0,1, 24.440,300.0,10.4, 980.0,1013.0, 12.4, 90.0, 11.0, 1.27, , ,
200607,290600, 24.440, -80.170, 0.0,1, 24.440,300.0,10.9, 980.0,1013.0, 13.1, 90.0, 11.0, 1.27, , ,
200607,290700, 24.440, -80.370, 0.0,1, 24.440,300.0,10.9, 980.0,1013.0, 13.1, 90.0, 11.0, 1.27, , ,
200607,290800, 24.440, -80.570, 0.0,1, 24.440,300.0,10.9, 980.0,1013.0, 13.1, 90.0, 11.0, 1.27, , ,
200607,290900, 24.440, -80.770, 0.0,1, 24.440,300.0,10.9, 980.0,1013.0, 13.1, 90.0, 11.0, 1.27, , ,
200607,291000, 24.440, -80.970, 0.0,1, 24.440,300.0,10.9, 980.0,1013.0, 13.1, 90.0, 11.0, 1.27, , ,
200607,291100, 24.440, -81.170, 0.0,1, 24.440,300.0,10.9, 979.5,1013.0, 13.1, 90.0, 11.0, 1.27, , ,
200607,291200, 24.440, -81.360, 0.0,1, 24.440,300.0,10.4, 978.8,1013.0, 12.4, 90.0, 11.0, 1.27, , ,
200607,291300, 24.440, -81.560, 0.0,1, 24.440,300.0,10.9, 978.1,1013.0, 13.1, 90.0, 11.0, 1.27, , ,
200607,291400, 24.440, -81.760, 0.0,1, 24.440,300.0,10.9, 977.5,1013.0, 13.1, 90.0, 11.0, 1.27, , ,
200607,291500, 24.430, -81.960, 0.0,1, 24.430,296.9,10.9, 976.8,1013.0, 13.1, 86.9, 11.0, 1.27, , ,
200607,291600, 24.430, -82.160, 0.0,1, 24.430,300.0,10.9, 976.1,1013.0, 13.1, 90.0, 11.0, 1.27, , ,
200607,291700, 24.430, -82.360, 0.0,1, 24.430,300.0,10.9, 975.5,1013.0, 13.1, 90.0, 11.0, 1.27, , ,
200607,291800, 24.420, -82.550, 0.0,1, 24.420,296.7,10.4, 974.8,1013.0, 12.5, 86.7, 11.0, 1.27, , ,
200607,291900, 24.420, -82.750, 0.0,1, 24.420,300.0,10.9, 974.2,1013.0, 13.1, 90.0, 11.0, 1.27, , ,
200607,292000, 24.420, -82.950, 0.0,1, 24.420,300.0,10.9, 973.5,1013.0, 13.1, 90.0, 11.0, 1.27, , ,
200607,292100, 24.410, -83.150, 0.0,1, 24.410,296.9,10.9, 972.8,1013.0, 13.1, 86.9, 11.0, 1.27, , ,

200607,292200, 24.410, -83.350, 0.0,1, 24.410,300.0,10.9, 972.2,1013.0, 13.1, 90.0, 11.0, 1.27, , ,

200607,292300, 24.400, -83.540, 0.0,1, 24.400,296.7,10.4, 971.5,1013.0, 12.5, 86.7, 11.0, 1.27, , ,

200607,300000, 24.400, -83.740, 0.0,1, 24.400,300.0,10.9, 970.8,1013.0, 13.1, 90.0, 11.0, 1.27, , ,

200607,300100, 24.400, -83.940, 0.0,1, 24.400,300.0,10.9, 970.2,1013.0, 13.1, 90.0, 11.0, 1.27, , ,

200607,300200, 24.410, -84.140, 0.0,1, 24.410,303.1,10.9, 969.5,1013.0, 13.1, 93.1, 11.0, 1.27, , ,

200607,300300, 24.420, -84.340, 0.0,1, 24.420,303.1,10.9, 968.9,1013.0, 13.1, 93.1, 11.0, 1.27, , ,

200607,300400, 24.440, -84.540, 0.0,1, 24.440,306.3,11.0, 968.2,1013.0, 13.2, 96.3, 11.0, 1.27, , ,

200607,300500, 24.460, -84.730, 0.0,1, 24.460,306.6,10.4, 967.6,1013.0, 12.5, 96.6, 11.0, 1.27, , ,

200607,300600, 24.490, -84.930, 0.0,1, 24.490,309.3,11.1, 966.9,1013.0, 13.3, 99.3, 11.0, 1.27, , ,

200607,300700, 24.520, -85.120, 0.0,1, 24.520,309.8,10.5, 966.2,1013.0, 12.6, 99.8, 11.0, 1.27, , ,

200607,300800, 24.560, -85.320, 0.0,1, 24.560,312.4,11.2, 965.6,1013.0, 13.4,102.4, 11.0, 1.27, , ,

200607,300900, 24.600, -85.510, 0.0,1, 24.600,313.0,10.6, 965.0,1013.0, 12.8,103.0, 11.0, 1.27, , ,

200607,301000, 24.660, -85.700, 0.0,1, 24.660,319.1,11.0, 964.3,1013.0, 13.1,109.1, 11.0, 1.27, , ,

200607,301100, 24.710, -85.890, 0.0,1, 24.710,316.1,10.8, 963.7,1013.0, 12.9,106.1, 11.0, 1.27, , ,

200607,301200, 24.770, -86.080, 0.0,1, 24.770,319.1,10.9, 963.1,1013.0, 13.1,109.1, 11.0, 1.27, , ,

200607,301300, 24.840, -86.270, 0.0,1, 24.840,322.0,11.2, 962.4,1013.0, 13.4,112.0, 11.0, 1.27, , ,

200607,301400, 24.900, -86.450, 0.0,1, 24.900,320.1,10.4, 961.8,1013.0, 12.5,110.1, 11.0, 1.27, , ,

200607,301500, 24.970, -86.640, 0.0,1, 24.970,322.1,11.1, 961.2,1013.0, 13.4,112.1, 11.0, 1.27, , ,

200607,301600, 25.040, -86.820, 0.0,1, 25.040,323.2,10.6, 960.6,1013.0, 12.8,113.2, 11.0, 1.27, , ,

200607,301700, 25.110, -87.010, 0.0,1, 25.110,322.1,11.1, 960.0,1013.0, 13.4,112.1, 11.0, 1.27, , ,

200607,301800, 25.180, -87.190, 0.0,1, 25.180,323.2,10.6, 960.0,1013.0, 12.8,113.2, 11.0, 1.27, , ,

200607,301900, 25.250, -87.380, 0.0,1, 25.250,322.1,11.1, 960.0,1013.0, 13.3,112.1, 11.0, 1.27, , ,

200607,302000, 25.320, -87.570, 0.0,1, 25.320,322.1,11.1, 960.0,1013.0, 13.3,112.1, 11.0, 1.27, , ,

200607,302100, 25.400, -87.750, 0.0,1, 25.400,326.1,10.9, 960.0,1013.0, 13.0,116.1, 11.0, 1.27, , ,

200607,302200, 25.490, -87.920, 0.0,1, 25.490,330.3,10.7, 960.0,1013.0, 12.8,120.3, 11.0, 1.27, , ,

200607,302300, 25.580, -88.100, 0.0,1, 25.580,328.9,11.1, 960.0,1013.0, 13.4,118.9, 11.0, 1.27, , ,

200607,310000, 25.670, -88.270, 0.0,1, 25.670,330.3,10.6, 960.0,1013.0, 12.8,120.3, 11.0, 1.27, , ,

200607,310100, 25.770, -88.440, 0.0,1, 25.770,333.1,11.0, 960.0,1013.0, 13.1,123.1, 11.0, 1.27, , ,

200607,310200, 25.870, -88.610, 0.0,1, 25.870,333.1,11.0, 960.0,1013.0, 13.1,123.1, 11.0, 1.27, , ,

200607,310300, 25.990, -88.760, 0.0,1, 25.990,341.6,10.8, 960.0,1013.0, 13.0,131.6, 11.0, 1.27, , ,

200607,310400, 26.110, -88.920, 0.0,1, 26.110,339.8,11.2, 960.0,1013.0, 13.5,129.8, 11.0, 1.27, , ,

200607,310500, 26.230, -89.070, 0.0,1, 26.230,341.6,10.8, 960.0,1013.0, 13.0,131.6, 11.0, 1.27, , ,

200607,310600, 26.350, -89.220, 0.0,1, 26.350,341.7,10.8, 960.0,1013.0, 13.0,131.7, 11.0, 1.27, , ,

200607,310700, 26.480, -89.370, 0.0,1, 26.480,344.0,11.2, 960.0,1013.0, 13.4,134.0, 11.0, 1.27, , ,

200607,310800, 26.610, -89.520, 0.0,1, 26.610,344.0,11.2, 960.0,1013.0, 13.4,134.0, 11.0, 1.27, , ,

200607,310900, 26.740, -89.650, 0.0,1, 26.740,348.1,10.4, 960.0,1013.0, 12.5,138.1, 11.0, 1.27, , ,

200607,311000, 26.880, -89.790, 0.0,1, 26.880,348.2,11.2, 960.0,1013.0, 13.5,138.2, 11.0, 1.27, , ,

200607,311100, 27.030, -89.920, 0.0,1, 27.030,352.2,11.3, 960.0,1013.0, 13.6,142.2, 11.0, 1.27, , ,

200607,311200, 27.170, -90.040, 0.0,1, 27.170,352.6,10.5, 960.0,1013.0, 12.6,142.6, 11.0, 1.27, , ,

200607,311300, 27.330, -90.160, 0.0,1, 27.330,356.2,11.5, 960.0,1013.0, 13.8,146.2, 11.0, 1.27, , ,

200607,311400, 27.480, -90.260, 0.0,1, 27.480,359.3,10.4, 960.0,1013.0, 12.5,149.3, 11.0, 1.27, , ,

200607,311500, 27.650, -90.350, 0.0,1, 27.650, 4.8,11.2, 960.0,1013.0, 13.5,154.8, 11.0, 1.27, , ,

200607,311600, 27.820, -90.440, 0.0,1, 27.820, 4.8,11.2, 960.0,1013.0, 13.5,154.8, 11.0, 1.27, , ,

200607,311700, 27.980, -90.530, 0.0,1, 27.980, 3.5,10.7, 960.0,1013.0, 12.8,153.5, 11.0, 1.27, , ,

200607,311800, 28.150, -90.610, 0.0,1, 28.150, 7.4,11.0, 960.0,1013.0, 13.2,157.4, 11.0, 1.27, , ,

200607,311900, 28.320, -90.680, 0.0,1, 28.320, 10.0,10.8, 960.0,1013.0, 13.0,160.0, 11.0, 1.27, , ,

200607,312000, 28.490, -90.750, 0.0,1, 28.490, 10.0,10.8, 960.0,1013.0, 13.0,160.0, 11.0, 1.27, , ,

200607,312100, 28.660, -90.830, 0.0,1, 28.660, 7.5,11.0, 960.0,1013.0, 13.2,157.5, 11.0, 1.27, , ,

200607,312200, 28.830, -90.910, 0.0,1, 28.830, 7.5,11.0, 960.0,1013.0, 13.2,157.5, 11.0, 1.27, , ,

200607,312300, 29.000, -90.990, 0.0,1, 29.000, 7.5,11.0, 960.0,1013.0, 13.2,157.5, 11.0, 1.27, , ,

200608, 10000, 29.170, -91.070, 0.0,1, 29.170, 7.6,11.0, 960.0,1013.0, 13.2,157.6, 11.0, 1.27, , ,

200608, 10100, 29.340, -91.140, 0.0,1, 29.340, 10.2,10.8, 960.0,1013.0, 13.0,160.2, 11.0, 1.27, , ,

200608, 10200, 29.520, -91.220, 0.0,1, 29.520, 8.8,11.5, 960.0,1013.0, 13.9,158.8, 11.0, 1.27, , ,

200608, 10300, 29.690, -91.290, 0.0,1, 29.690, 10.2,10.8, 962.7,1013.0, 13.0,160.2, 11.0, 1.27, , ,

200608, 10400, 29.860, -91.370, 0.0,1, 29.860, 7.7,11.0, 965.3,1013.0, 13.2,157.7, 11.0, 1.27, , ,

200608, 10500, 30.030, -91.440, 0.0,1, 30.030, 10.3,10.8, 967.8,1013.0, 13.0,160.3, 11.0, 1.27, , ,

200608, 10600, 30.200, -91.520, 0.0,1, 30.200, 7.8,11.0, 970.1,1013.0, 13.2,157.8, 11.0, 1.27, , ,

200608, 10700, 30.370, -91.590, 0.0,1, 30.370, 10.4,10.8, 972.3,1013.0, 12.9,160.4, 11.0, 1.27, , ,

200608, 10800, 30.540, -91.670, 0.0,1, 30.540, 7.8,11.0, 974.3,1013.0, 13.2,157.8, 11.0, 1.27, , ,

200608, 10900, 30.710, -91.740, 0.0,1, 30.710, 10.4,10.8, 976.2,1013.0, 12.9,160.4, 11.0, 1.27, , ,

200608, 11000, 30.890, -91.820, 0.0,1, 30.890, 9.0,11.5, 978.1,1013.0, 13.8,159.0, 11.0, 1.27, , ,

200608, 11100, 31.060, -91.890, 0.0,1, 31.060, 10.5,10.8, 979.8,1013.0, 12.9,160.5, 11.0, 1.27, , ,

200608, 11200, 31.230, -91.970, 0.0,1, 31.230, 8.0,11.0, 981.4,1013.0, 13.2,158.0, 11.0, 1.27, , ,

200608, 11300, 31.400, -92.040, 0.0,1, 31.400, 10.6,10.8, 982.9,1013.0, 12.9,160.6, 11.0, 1.27, , ,

200608, 11400, 31.570, -92.120, 0.0,1, 31.570, 8.1,11.0, 984.3,1013.0, 13.1,158.1, 11.0, 1.27, , ,

200608, 11500, 31.740, -92.190, 0.0,1, 31.740, 10.6,10.8, 985.7,1013.0, 12.9,160.6, 11.0, 1.27, , ,

200608, 11600, 31.910, -92.270, 0.0,1, 31.910, 8.1,10.9, 987.0,1013.0, 13.1,158.1, 11.0, 1.27, , ,

200608, 11700, 32.090, -92.340, 0.0,1, 32.090, 11.7,11.3, 988.2,1013.0, 13.6,161.7, 11.0, 1.27, , ,

200608, 11800, 32.260, -92.410, 0.0,1, 32.260, 10.7,10.8, 989.3,1013.0, 12.9,160.7, 11.0, 1.27, , ,

200608, 11900, 32.430, -92.490, 0.0,1, 32.430, 8.2,10.9, 990.4,1013.0, 13.1,158.2, 11.0, 1.27, , ,

200608, 12000, 32.600, -92.560, 0.0,1, 32.600, 10.8,10.8, 991.4,1013.0, 12.9,160.8, 11.0, 1.27, , ,

200608, 12100, 32.770, -92.640, 0.0,1, 32.770, 8.3,10.9, 992.3,1013.0, 13.1,158.3, 11.0, 1.27, , ,

200608, 12200, 32.940, -92.710, 0.0,1, 32.940, 10.9,10.8, 993.2,1013.0, 12.9,160.9, 11.0, 1.27, , ,

200608, 12300, 33.110, -92.790, 0.0,1, 33.110, 8.4,10.9, 994.1,1013.0, 13.1,158.4, 11.0, 1.27, , ,