Mag-Area Scaling -8 -3 -7 -6 -5 -4 -2 Log10(Density) 9.0 8.5 8.0 7.5 Magnitude 9.0 9.0 0.0 5.5 5.0 4.5 4.0

1.0

1.5

2.0

Log10 Area (km^2)

2.5

3.0

0.5

0.0

4.0

3.5