List of Tables

2.1 Kodaikanal observations related to the Greenwich Group numbers . . 27
2.2 Kodaikanal observations related to the Greenwich Group numbers . . 28
2.3 Kodaikanal observations related to the Greenwich Group numbers . . 35

3.1 $\chi^2$ fit for the laws of linear, quadratic and exponential growth of the
sunspot. ................................................................. 49

3.2 Values of constants obtained from growth and decay of the exponen-
tial fits. ................................................................. 50

3.3 $\chi^2$ fit for the laws of linear, quadratic, log-normal and exponential
decay of the sunspot. .................................................. 51

5.1 Measurements of line of sight component of magnetic field of the
bipolar spots from SOHO/MDI magnetograms. .......................... 86
5.2 Parameters of the linear least square fit ............................... 110

6.1 Improved measurements of line of sight component of magnetic field
of the bipolar spots from SOHO/MDI magnetograms ................. 116
6.2 Strength of inferred magnetic field at different anchoring depths in
the convective envelope ............................................... 136