

Exercise 3

Error estimation and Region of sensitivity.

- Evaluate the error bars for magnetic field strength, inclination and azimuth for the last inversion of Exercise 2
- Evaluate the region of sensitivity of the azimuth.

SIR writes the error bars in a .err file that you can read using:

```
IDL> read_model, ' [ ].err', logtau, T_err, p_err, mic_err, B_err, V_LOS, gamma, phi, z, pg, rho, mac, filling, stray
```

And the region of sensitivity by:

```
IDL> sensitivity, Stokes_obs, Stokes_syn, model, RF, logtau, uncertainties
```