Conclusions

- Overall inner core anisotropy is 1.9-2.2%.
- There are longitudinal variations with a western hemisphere with 2-4% anisotropy and an eastern hemisphere with little or no anisotropy.
- Mantle corrections and raypath corrections are essential for removing small scale mantle heterogeneity.
- There is a clear innermost inner core with 3% anisotropy and a radius between 690-750 km.

Future Steps

- I want to measure inner core anisotropy from normal modes (whole Earth oscillations) providing a further observation type to constrain my models.
- Full waveform analysis of raypaths to further investigate mantle effects on these paths.
- I will do a transdimensional inversion so that the data can parameterize my model.

References