Timeline/Due dates

Literature review: April 15th (4500 (± 500) words)

Seminar: May 28th (15 minutes + questions)

Minor Report: June 21st (word limit is flexible but expected to be between 6000-8000)

* Looking at spending the next month on glider/model comparison ~mid-April
* Move onto creating subsurface models
* Ideally will have all results by mid-May to allow at least a month for writing the report

Outline/flow of literature review

* Long-term warming patterns and the overall risk/impact to reefs
* short term temperature effects == heatwaves, DHD (increased intensity, frequency and longevity)
* direct impact of heating to coral == bleaching and mortality

the first part will lay out the background information (in detail) and why this work is important to study heatwaves on coral reefs

* Modelling temperature == the types of model, how they were created and validated
  + eReefs
  + ReefTemp
  + Models used for other reefs
  + Satellite algorithms
* Subsurface == SST and sub-surface temperature predictions
  + Effectiveness
  + How others have adjusted these models
  + GAM models + other potential models
* Need to include information on about gliders but unsure where it will fit just yet

the second part leads closer to my research questions: comparing and creating models for the subsurface