# Meeting notes

Questions

* LoRa?
* SDR? (Universal radio hacker)
* Breakout boards? Desoldering
* Radiosonde size
* Height? 25 km height with balloon, launching at saldana going inland to cederburg (maybe to Worcester/Ceres areas)
* 250 km line of sight min (standing on table mountain? Horizon), 3500 km max
* Model atmospheric losses (looking up is a different link budget – less atmosphere to go through) – rather go for balloon sat for design
* Replicating GS PCB

Ordering

* [www.sun.ac.za/tasktracker](http://www.sun.ac.za/tasktracker)
* For: Jennie Martin
* TRX

Planning

* Next meeting: components selected, general high-level PCB ideas
* Following meeting: PCB mostly ready
* 12 Weeks from now
* Aim for 1st November completion
* Gantt chart
* Adjust priorities as you go along

Good report

* Introduction
* Problem statement
* Planning
* Literature review
* Suggested/possible solutions
* Requirements and specifications
  + Measurable
  + Interplay between components (communication interfaces)
* Design
* Implementation
* Testing
  + Experiments of full system
  + Plus smaller basic “unit tests” e.g. is UART working
  + Independent, modular tests
* Analysis of testing data
* Conclusion
  + “So what?” – what we did, why it worked and what it means
  + Critique of selected solutions
  + Highlight non-chronological nature of project (different boards, iterations)