Next Steps of GRANDproto-35

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Current Status of GP35

1. Antenna Setup
   - Fiber setup has been finished.
   - Currently 21 GP35 antennas have been installed
   - Still some problems in daily data acquisitions, e.g., too quiet, to noise, no response, abnormal data stream bursts
2. Data Acquisition Server
   - Currently only one DAQ server is used (sufficient to handle currently used antennas)
3. Data Acquisition Software Development
   - 2016.12 DAQ software development was launched
   - 2017.02 First major version released
   - 2018.08 Reconstructed with *RUST* language in order to make the software framework more clear enough to understand and scalable in future large scale deployments (e.g., GP300)
   - 2018.09 New DAQ softwares are released and put into use.

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- Data analyzing

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- According to above information I estimate that GP35 can be fully deployed (excluding the antennas consumed in e.g., Lenghu site surveying) by the end of August.

One of the “not so hard” positions

Fine tuning of GP35

- Timing precision validation
- Debugging Daq softwares
- Discovering problems in the process of data analyzing

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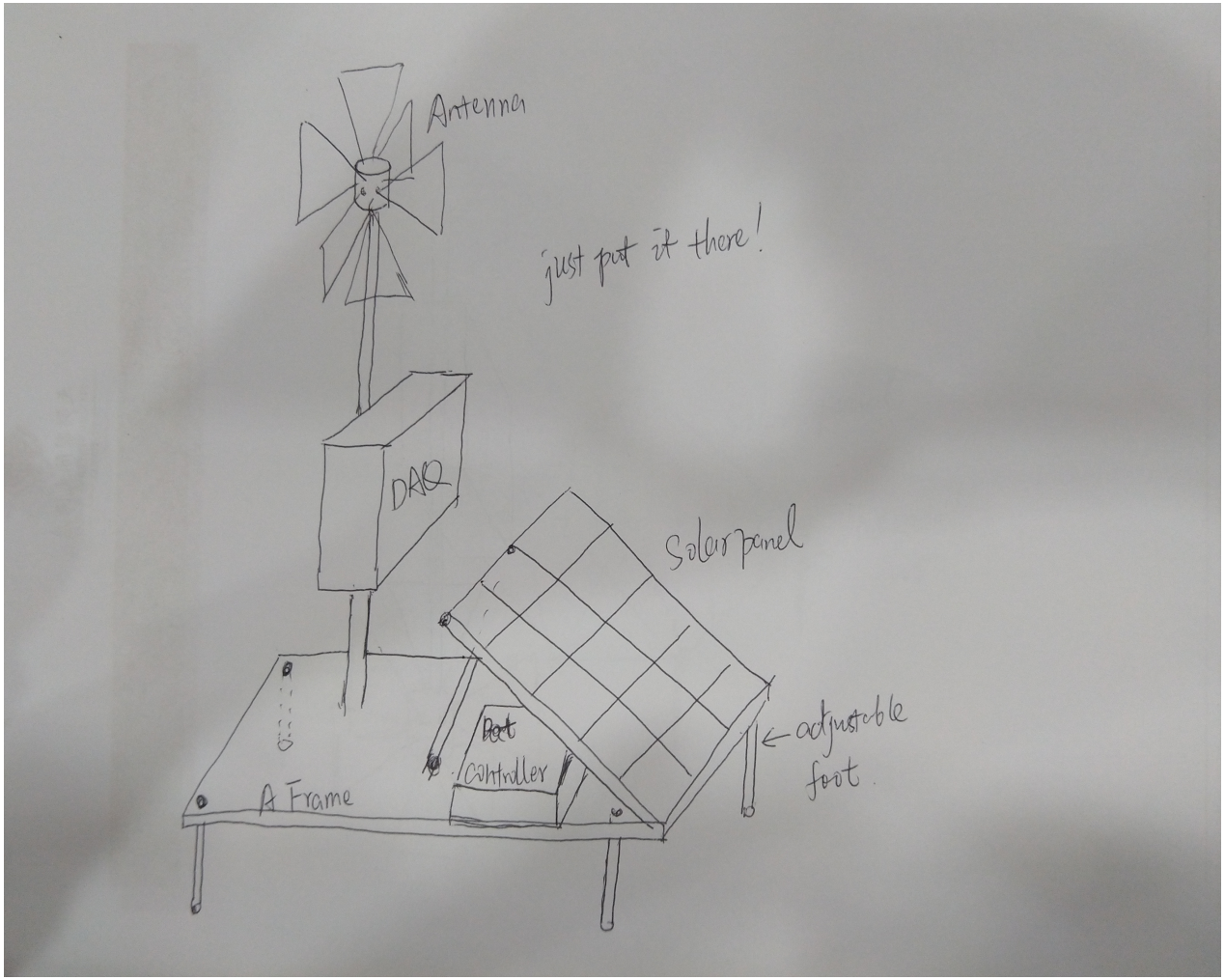
  - etc.

My Ideal Mechanical Design of DAQ Units

What can we benefite from easy deploying?

- Saving time
- Better quality control
- Reliability




Thanks