**Cas A Observation Program Upcoming Tasks (Aug 5, 2018)**

**Minimum Functional Requirements**

If SARA temporarily starts Cas A observations with the 20m dish, then we have Skynet as a database storage. Minimum requirements to start program become:

* Covert the 20m result from counts to flux
* Adjust for background and telescope noise
* Validate against published literature

The Skynet calibration notes offer some insight on how to do the second bullet, but it has gaps in the details. This is the toughest bottleneck.

Current Status as of August 5, 2018: 20m permanent account is in the process of being created.

**Longer-term Actions**

Update SARA database templates (pre-cursor to database)

Post observational tips

Review possibility of using Mongo DB (security issues)

Update interested stakeholders with large dishes and an interest in the Cas A citizen science program for amateurs and students

Follow-up on NSF grant process for a national SARA citizen science program with a University sponsor

Review programming language options for database construction

Follow-up on 500 J calibration switch on 40ft radio telescope