

ECSV meeting & discussion, rm 317 (x7371/7370)  
21 Feb 2012

Attendees: Andreas Brunthaler, Bryan Butler, Claire Chandler, Bin Chen, Stuart Corder, Vivek Dhawan, Eric Greisen, Amanda Kepley, Jeff Kern, Casey Law, Josh Marvil, Drew Medlin, Heidi Medlin, Emmanuel Momijan, Steve Myers, Jurgen Ott, Nirupam Roy, Michael Rupen, Philip Schmidt, Deb Shepherd, Ken Sowinski, Gustaaf Van Moorsel, Theresa van Vliet Wiegert, Joan Wrobel

Welcome to Bin Chen, previous RSRO. Bin is here to do some solar observing on a project with Tim Bastian

1. Short Overview/status

- Correlator & general system health (Ken & Michael)
  1. We are currently doing science with the version of the CBE that doesn't have the missing scans problems.
  2. The DUMPTRIG problem (that caused the correlator to crash when doing recirculation in different sub-bands) is recently fixed. This fix has been tested in a few cases but it needs to be more thoroughly tested before we can say it is truly fixed.
  3. Casey is continuing to work with Michael and Ken on fast-dump testing – searching for the bottlenecks in the system that are preventing us from going below 100 ms dumps.
- Software systems (Bryan)
  1. There is a minor change to the OPT, OST and m2s software to update how scan intents are set. The change went in this morning. Calibrate\_flux has now been added for the absolute flux calibrator (intent was mis-set as Calibrate\_ampli), calibrate\_complex\_gain (in the OPT) now translates to calibrate\_ampli & calibrate\_phase in the SB for the gain calibrator. Intents are needed for pipeline processing but this is not expected to be an issue for manual data reduction.
  2. The Antenna and Spectral window names update (in the MCAF) has not gone in yet. Waiting for an update to CASA.
- CASA update (Steve & Jeff)
  1. We are in the process of renaming the filler asdm2ms\_xl → (a)sdm2ms.
  2. Urvashi will be giving a presentation on the new flagging system she has been developing – this will be either next Tue or the week after. Stay tuned.
  3. Next CASA stable is being tested now.

2. Workshop tutorial preparation (Gustaaf & everyone who is helping).

- Those who will be presenting tomorrow – please send your presentations to Gustaaf by the end of today. Send pdf's to Gustaaf unless you have animations, then send ppt's.

- IRC+10216 carbon star – review complete
  - SNR 3C391 – Reviewed by Emmanuel and Nick. Amy still needs to review this from a novice perspective.
  - SN 2010 FZ – review complete by Steve. Amy, Miller and Mark still need to review this from a novice perspective
  - SNR G55.7 – Vivek and Gustaaf are reviewing these procedures. Josh, Bryan and Lorant still need to review them.
  - ALMA TW Hya – this tutorial takes a long time in the early steps to do the Tsys application (several hours). We need an intermediate dataset with the Tsys application already applied.
    1. Stuart will send Gustaaf the link to the intermediate dataset on Luster.
    2. Gustaaf will announce just before the tutorial practice that people who are doing the TW Hya tutorial should only review the first steps but then start with the intermediate dataset.
  - Gustaaf needs to make sure the path links to the datasets are correct.
3. Documentations status & open actions (see for details: <https://safe.nrao.edu/wiki/pub/EVLA/ECSVMeetings/01-ECSVmeeting-26jan12-actionsUpdate.pdf>)
- EVLA Obs Status Summary final update
    1. **Deb** – Rick is updating the RFI section of the OSS.
  - Proposal technical reviews template
    1. **Mark** – working, due 13 Feb (earlier date than before as requested by Joan – templates need to go to the reviewers on 15 Feb). – **DONE**.
  - High frequency EVLA guides (Emmanuel & Mark)
    1. High frequency guide: Content updated by Mark & Deb. Frazer has provided comments. **Mark** is writing the 2<sup>nd</sup> draft now. Gustaaf has created a link for this in the plone documentation now. However, this version is still in a development link (content not available in a plone link yet) – **Status** – some progress last week. Draft should be ready by the end of this week.
  - Figuring out the array phasing solution.
    1. **Ken, Michael, Bryan, Barry,** and **Amy** need to get together to decide what method we will try to implement to fix the problem and then test again.
      1. **Status** - Phasing of multiple subbands: Ken and Barry, Michael and Bryan will meet this week to discuss the way forward.
  - Data reduction workshop
    1. Support scheduled done, individuals are reviewing the tutorials. **Status** – *see above*.
  - Sp line EVLA guide.
    1. **Juergen** – expect draft done by 9 March.

- OPT manual
  1. *Lorant* – delay until after we have defined the observing modes to be offered at OSRO at the beginning of 2013.
  2. Amanda is working with Gustaaf to create an OPT quick start tutorial. Deb will test the quick start guide when it is ready.
    1. *Status* – Amanda set the draft OPT quick start guide to Deb for her review.
  
- 4. Due to the CASA workshop, there will be no ECSV meetings the rest of this week or next (no actions meeting on Thursdays or an ECSV meeting next Tuesday) unless someone can convince me that they are needed. Also we will cancel the ECSV meeting the following week (6 March) because of a conflict with the ALMA jets meeting. The next ECSV meeting will thus be on Tuesday, 13 March.
  - We will most likely have the discussion on spectral line testing on 13 March.