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

Happy Valentine's Day

Attendees: Andreas Brunthaler, Bryan Butler, Claire Chandler, Barry Clark, Mark Claussen, Stuart Corder, Vivek Dhawan, Miller Goss, Amanda Kepley, Jeff Kern, Casey Law, Josh Marvil, Drew Medlin, Emmanuel Momijan, Steve Myers, Jurgen Ott, Frazer Owen, Philip Schmidt, Deb Shepherd, Ken Sowinski, Joan Wrobel.

1. Short Overview/status
   - Correlator & general system health (Ken)
     1. Dumptrig problems – Dave Fort has a fix that will be installed tomorrow.   Dumptrig controls how recirculation functions and is a signaling scheme in the correlator that controls signaling data on the station boards.   Errors cause the dumptrig signaling scheme to be reset and this causes the missing data we have been experiencing.
     2. There is a 'smoke test' in the correlator room tomorrow, fix will be installed after this.
     3. Martin is installing some logging information to try to understand problems we have experienced with the hydra system.
     4. Fast dump testing planned for this week.
     5. B2D2 path on the 3-bit samplers are being tested.
   - Software systems (Bryan)
     1. No major changes since last week.   Few things we are patching
     2. Focusing on pipeline work (auto post-processing of the regular science data).   It will take some people (Dave, Keith, John Benson) away from the other efforts (e.g. OPT) but this is higher priority.   Claire, Lorant and Bryan are working on the first heuristics.   This is being fast-tracked because it is a high-level delivery to the NSF and the community by the end of the year.
   - CASA update (Steve & Jeff)
     1. January stable is out (casapy_stable).
     2. A new casapy_test should be coming out soon.
        1. It should not create the model data column unless you explicitly tell it to (except uvcontsub). This should be the basis of the Feb casapy_stable.
        2. The streaming filler will be in casapy_test.
        3. The casapy.log is now uniquely named for each run with the date/time.
        4. The new cal tables will only be available in a week or so and will be added to the Feb stable as a patch.   The script to convert old cal tables to the new format will be made into a task so it will be easy to run.

3. Luster file system has been upgraded and should no longer has a feature where you could create a file and then Luster said it didn't exist.   If you see a "bucket error" in room 300, then tell Jeff or James immediately.

2. 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). – *Status* - nearly finished (later today)
   - High frequency EVLA guides (Emmanuel & Mark)
     1. High frequency guide: Content updated by Mark & Deb. Frazer has provided comments. *Mark* is writing the 2nd 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.
     2. Josh, deb & steve, emmanuel.
   - 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.

3. Main topic: Our discussion on spectral line testing programs and what is needed to test spectral line correlator modes will be delayed until Michael is feeling better.

4. Proposed discussion for next week:

- Next discussion will be on the status of spectral line testing – jointly run by Juergen and Michael.
- We need to develop a proposal for what correlator modes we should provide to our users at the end of commissioning.   Then we will discuss the proposal in this meeting at a later date.

5. We will not have an ECSV actions meeting on Thursday.