WURM, 4-12-2018, 11.00

present Mark, Paul, Aard, Harro, Des, eBob, Arpad

Ilse: sent email, has to attend other meeting

Mark: went through last docs of Cristina. Talked to Taehyun, had a CASA-VLBI telecon. Been working on getting out ready. Still problem with scp to services, so for now is not used. Data has been restored. Still need tape unit as well, need Bert for that, he'll be back Friday. This month: finish software for demo, programme for workshop.

Paul: mounted out, let ansible loose on it. Nearly ready for general use. Also talked to Taehyun, explained him that WR is not really suited for high frequencies, pointed him at reference design for SKA mid. Thursday a supermicro engineer will pass by. Astron has been doing a network upgrade, so far so good. Wb network became a bit of a mess, partial roll-back, need to worry about demo. e-VLBI today, maybe with Sr, 3 or 5 G from UK. Dug t-piece in for fiber, now need to decide whether the tube we got is workable or not. One trantor disk died, no time yet to replace.

Aard: Kirsten busy correlating, many crashes, mostly his own fault. However, one with mult phase center enabled. Made a singularity container as OS of cluster in Toronto very old. Problem seems to be caused by MPI. Of course this is debugging changes other people make, however this might be an interesting method for us for distributing SFXC. Going on working on paper.

Harro: finished with SKA docs, did review of Aeneas doc. Pull request for Giza was approved and merged. Investigated problem of missing data On to Bonn, seems not all mount point were mounted at start. Suggested them to use flexbuff model, transmitting chunks. Jiveplotter now supports command line, for pipeline. Dealing with flagged data is getting there. About Kirsten and singularity: we do not need to edit vex file anymore when doing mult phase centers. However he is using old tarball, not up to date. Has sent example, and code, which does not build because of dependency on old casacore. Kirsten now has recipe for singularity with tconvert and j2ms2, might be very useful. On that topic, the make system needs an overhaul, and maybe put it on github, seems reasonable. Cmake? Need to investigate. Problem with e-recording, seems to be a correlation with Linux version? Flexbuff 10 has new version, with patches, and no problem. eBob: there seems to be a delay sometimes before recording, 2 sec ok, but 6 sec missing data. Queu threading

problem? Maybe patch one flexbuff that has the problem, see if it goed away. Spectre problem again? Harro to check

Des: made a manual fix to pass on refant list. Problem with building packages, George is looking into it. Working on irregular spectral windows for ALMA. Read Michaels paper

eBob: recording test. Look at how many threads are allocated. Lost jive_cc page? Paul advises him to ask Sipior

email from Ilse:

Afgelopen week heb ik aan de rapporten voor JUMPING JIVE WP2 en WP10 gewerkt, die zijn op tijd (30-11) bij de EU ingeleverd.

Vorige week maandag was er een follow-up telecon van de EHT 'data issues review' waarin een panel de data release bekijkt en besluit of de kwaliteit goed genoeg is voor een science release. Er was veel gedoe over de drie pipelines. Op 30-11 is de eerste science release formeel uitgekomen, inclusief de CASA pipeline producten.

Verder ben ik bezig met de vergelijking van AIPS en CASA mbv de simulaties van Iniyan. Ik heb met hem contact opgenomen om beter te begrijpen wat hij in de simulaties doet. Vanuit de AIPS hoek is bevestigd dat de SMODEL parameter om het bronmodel mee te nemen zou moeten werken. Deze week ga ik hiermee verder, ik ben nu bezig om de phases in detail te bekijken voor één van de 200 simulaties, en daar zie ik ook weer vreemde dingen. De zorg is dat de CASA oplossing soms ~10 keer slechter is dan AIPS, en dat vind ik zorgelijk. Het goede nieuws is dat dit allemaal speelt op sub-picoseconde niveau.

De andere lopende zaken:
- draft rapport voor de CASA Users Committee moet 7 December klaar zijn
- EHT paper over calibratie is goed op schema, maar vraagt nog veel werk, deadline is 20 December.
- paper van Michael Janssen ondergaat de 2e draft revisie, deadline 11 December