

Nijmegen wish (demand?) list meeting, Des, Arpad, Mark, 22-01-2018, 11.00

Mark points out that CASA does not handle instruments with single polarisation well.

Michaels list:

2) optimize fringe fit SNR

about one day work, Des.

3) fringe fit rate and delay windows

Conceptually simple, logistics more of a problem. About one week work? Ask Michael first what exactly he is looking for

4) convergence

Strong impression that Michael is simply doing it wrong. Ask him for dataset that demonstrates this behaviour

5) solution intervals

Has to be solved with NRAO, will take time. Has to be dealt with, but for the time being use workaround

6) ref time and ref freq.

Unclear whether this is a problem at all

7) re-referencing

This is important, however it will take Mark at least a week just to understand the code. Impossible to estimate the work needed. Needs to be done though.

8) accor flagging

Ask Michael for one single example of an incorrectly flagged visibility. CASA tells how much if flags, Aips does not.

9) scalar bandpass

Not implemented in CASA. Should be relatively easy to write code, but this

has to be vetted by NRAO, nothing will happen very quickly.

10) weighting options

Should be done, interface probably biggest issue. About one day work?

11) prints to terminal

Go away

12) plotms crashed

idem, complain to NRAO

13) store delay and rates

We do not understand this

14) amp calibration with scattered files

ehm, as said, the correlator group should fix this

15) external weather files

Should be done, one day work by Mark

16) TEC corrections

Already available?

Conclusions: Des will send an email to Michael asking what exactly he expects in 3), for a dataset for 4), an example for 8), what the meaning is of 13). Mark will start taking a look at 7). Des will finish twiddling the current "stable" version and throw it over the fence to NRAO, then try to solve some of the high priority issues of Michael, starting with 2) and 3)