

BHC meeting, 14/01/2015, 11.00, Arpad's room

present: Harro, Des, Mark, Arpad

MPG already doing mm VLBI operations, but not very streamlined, not automated at all. Should be possible to collaborate, have access to at least some of the involved telescopes.

\* e-VLBI work package (near real time fringe tests), formally with JIVE

Different equipment at stations, some DBBC3, with or without FILA, some R2DBE. Probably best to limit oneself to common equipment, which is the Mark6, do fringe tests without stopping observations. Very important at start of run, nobody wants to waste several hours of ALMA time.

things to clarify:

- mode of observing
- scan length
- dead time, duty cycle
- amount of data needed
- subband size

Current automated fringe tests hold data in memory and trickily to correlator, would it be better to download to SSD disk and then transfer?

Should we modify/add to Haystack code, write own code? Need same format. Serious problem with way Haystack writes to disk packs, also problem for correlator, need some sort of index. Discuss with Haystack?

\* Dynamic scheduling and remote control work package, formally with MPG

Control (according to Remo) of VLBI equipment. Mark6 easy, DBBC not. Integration of Wetzell software in FS would simplify a lot of things, but out of our hands.

Dynamic scheduling: limit this to fast and semi-automatic generation and distribution of schedules, like developed by Simon and Mark. We need to find out of setups at all the stations.

Arpad will set up a telecon with MPG asap, after that Haystack should be

involved.