

## Points from the meeting

1. Welcome
2. Agenda accepted
3. Minutes accepted
4. AIs... (see paper)
5. Permanent action items (reminder)
6. Reliability and performance (Jay) (see Presentation)
  - Triangular bandpasses for some subb. e.g. Noto (DDC 16 MHz); Could there be a DDC problem?
  - N16M1 Eff no LCP; IF5R always low amp
  - low power (ca. 1/2) often for some stations (state counts fine though)
  - need feedback related to potential backend problems
  - correlate DBBC software/firmware versions in the logs against problems found (put in soon by FS?)
7. Amplitude calibration
  - Jb bad as usual, worse than before,
  - Sh Problem
  - Good long-term plots showed
  - POSTOB mechanism still possible?
8. DBBC2
  - Gino's presentation
  - V16 needs latest test version of FS
  - Problem of 15\_2 not seen with latest V16 in last weeks test
9. Recorders
  - VDIF fits better with Ethernet output of FiLA10G
  - New features of new test version of JIVE5ab (see presentation);
    - multiple FiLA streams now possible local recording only, bookkeeping per sender,
    - tuning for very high data rate needed. see docu on web
    - scan\_check: problem because of no sync word, no wall clock, degenerate bit-rate - threads, sync word of VLBA would help a little, use extended header to solve the problem?
10. Irbene slowly getting on-line; eMERLIN slow progress as VLBI has low priority.
11. eVLBI; limited at 2 Gbps; Kvazar 1 Gb total
12. Technical Developments
  - 4 Gbps as usual: equipment needed
  - Triggered observations - nothing
  - New Flexbuff utilities: `vbs_ls`, `vbs_rm`, `vbs_fs` option -6 for Mark6; `vbs_ls -lrth`; -T option gives sizes for patterns
    - check performace of `vbs_fs` on Mark 6! Cache issue in OS, --quick option. touch for trigerring indexing
  - Graphical tool for mcopy, drag and drop
  - VGOS tests with 2 DDBC2s and 8 Gbps to 1 Mark 6: Firmware problems in DBBC2, problems with Mark 6
  - DBBC3 ad
13. JIVE spiel
  - Meerkat as VLBI element
  - jumping jive: Geodesy?
14. FS (see presentation) 9.11.16 with good changes, additions, and `if` command
15. KVN Python FS !!

16. Leonid: Use numerical weather models to get opacity. Thomas should talk with him.
17. Mid-term future: IF systems have to become wide.
18. Radionet4. Did my ad, geodesy of rene Discarded.
19. Next meeting??
- 20.