

## VLBI/eVLBI operations and technical meeting, Sydney, 21-22 Feb 2012

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### ACTIONS list

The ordering of this action list roughly follows the agenda of the meeting. Some actions were carried forward and modified from the previous meeting(s). A consolidated and integrated list is given here.

#### 1. ACTION: Proposals and scheduling

- Monitor available LBA time and over-subscription (Phil)
- Increase LBA time? (Phil)
- Encourage more ToOs (ATNF)
- More sessions of fewer days? Produce early schedules and information. (Phil)
- Offer Mk5 subnet recording alternative with higher-BW in call for proposals (ATNF)
- More disks at Ceduna from correlator (Correlator)

#### 1. ACTION: SCHED issues

- Keep PIs informed on SCHED developments (Cormac,Phil)
- Cal flags in SCHED? Update sources.dat file with calibrator flags (Cormac,Chris)
  - fringe-finders; phase reference sources; calibrators on long baselines; new calibrators via eVLBI
  - ATCA developments for flag support (Jamie, Chris)
  - VEX2 implementation for flags (Cormac, Chris)
  - Flags in correlators and eVLBI (Chris, Cormac)
- Support in SCHED for new DAS
  - dBBC is SCHED? (Cormac, Stewart)
    - FS issue for dBBC via Ed Himwich (NZ)
  - DFB3 in SCHED (Chris, Cormac)
    - DFB3 specs to Cormac (Chris)
- Mixed mode scheduling in SCHED for ATNF (Cormac, Chris)

#### 1. ACTION: Wiki/Web

- Continuing Wiki reorganisation/maintenance for accessibility (Chris,Cormac)
- Automate creation of Tsys and flagging files on Wiki (Cormac,Chris)
- Link Ho, Cd and Ww cal files to wiki (Cormac)
- Development of Ww noise cal systems and logs (NZ, LBA)
- ATCA Tsys in Zoom modes (ATNF)
- Check correct ATCA DAS modes on Wiki (Chris, Cormac)
- Calibration data instructions on Wiki (Hayden, Hayley)

#### 1. ACTION: Observing and monitoring

- L-band feed at Ww (NZ)
- Ww Tsys monitoring (NZ)
- Pursue phase problems at Cd (UTas, correlator)
  - Narrow-band test observations for e-transfer
  - Bruce-DAS at Cd for testing? (UTas, Curtin)
  - Nathan's super-Bruce DAS to Cd for testing? (Curtin, UTas)
- Tropospheric data for Katherine (AuScope)
- Better LBA monitoring
  - Include LBA-live pages in recmon-like page? (Chris, Simon)
  - Use cdisko catalogs and extract file lists (Jamie)

- Get Tid monitoring? (Shinji, Chris)
  - Ww monitoring via scripts (Stewart, Cormac)
  - Try Monica polling (Jamie)
  - Test monitoring error thresholds (Chris)
- Test longer recorded data files (Chris)
  - ATCA correlator modes. Check via fringe-checking in green time (ATNF)
- Streamline fringe-checks for Mk5 (Chris)
  - Use Mk5a at Ho and Tid for higher BW
- Investigate IVS special observations (Oleg)
- When 2 antennas used at Tid, record in different directories (Shinji)
  - Utilise all available time at Tid (Shinji, ATNF)
- Get Parkes calibration data (Tasso, JER, Ettore)
  - Get Tsys data on ATCA (Chris, Tasso)
- ATCA Array phasing issues (Chris, Jamie, Tasso)
- Implement VSIC mods for automatic recorder setup (ATNF)
1. ACTION: eVLBI pointing for Ww (Chris, Cormac, Jamie M, NZ)
1. ACTION: Data storage and transfers
    - Investigate future ARCS transfers or alternatives (ATNF)
    - Mk5 in Canberra for Tid transfers or ship Mk5 disks to Hobart? (Shinji, ATNF, UTas)
1. ACTION: Correlators
    - Advance warning to correlator of technical requirements of observations (PIs)
    - Feedback from PIs (Phil, PIs)
    - Reduction pipeline on Cave for e-VLBI (Chris, Cormac)
  - Copy LBA data archive to ATNF (Curtin, ATNF)
    - investigate RPFITS issues with Adam.
  - LBA archive online via ATOA? (Tasso)
    - Investigate RPFITS and IDIFITS issues in ATOA (ATNF)
  - Aim for Tsys extraction at correlator (Curtin, ATNF)
1. ACTION: Networks and e-VLBI Demos
    - Overseas telescopes in eVLBI? (Tasso)
      - Indian connectivity?
      - Regular Asia eVLBI tests?
  - NEXPreS BoD (Tasso, AARNet)
1. ACTION: e-VLBI developments
    - Promote eVLBI better (All)
    - eVLBI scheduling (cf EVN of ~10sessions/year) (ATNF)
    - Advertise better e-VLBI capabilities with DiFX 2.0 (Tasso)
    - Utilise more e-VLBI test-time (ATNF)
    - Finalise VTP standard (Chris)
    - Investigate Tid e-VLBI connectivity (Tasso)

1. ACTION: DAS and Recorders/Disks
  - Monitor developments of DBBCs, DBEs etc (All)
    - Procure new DAS?
  - Investigate Tsys logging in DBBC
    - Collaboration with Gino and Bonn?
  - Monitor recorder/Disk developments (all)
    - Replacement of LBA recorders/Disks?
1. ACTION: Next Ops meeting venue. UTas? (Tasso)

From:

<https://www.atnf.csiro.au/vlbi/dokuwiki/> - **ATNF VLBI Wiki**

Permanent link:

<https://www.atnf.csiro.au/vlbi/dokuwiki/doku.php/lbaops/actionslba-ops-2012?rev=1356065362>

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