

VLBI teleconference, Monday 24 June 2013

02:00 UT - 10:00 Perth, 12:00 AEST, 14:00 New Zealand

Phone:

Vic:	03 9545 8222
NSW:	02 9490 8022
ACT:	02 6276 6622
Qld:	07 3214 2311
WA:	08 6436 8844
SA:	08 8273 8122
NT:	08 8944 8488
Tas:	03 6232 5188

Meeting ID: 1886

Chair: Tasso Tzioumis

Attendance: Cormac Reynolds, Hayley Bignall (Curtin); Tasso Tzioumis, Chris Phillips, Phil Edwards, Yiannis Gonidakis, John Reynolds (CASS Marsfield); Jamie Stevens (CASS Narrabri); Jamie McCallum (UTas); Richard Dodson (UWA)

Apologies: Jonathan Quick (Hart) [Written report supplied]

Agenda

- Debrief from last LBA session 13-18 June 2013
 - Reports from the telescopes
 - ATNF
 - UTas
 - NZ
 - Hart
- Rtfc and correlation
- ATCA phasing at 22 GHz
- Tests
 - With KVN
 - NEXPRES & BoD
- Any other issues
- Upcoming observations
 - 14-19 August 2013 LBA session
 - NTFN testing
 - RadioAstron observations ?
- Report from Radioastron RISC meeting.

- Wiki logs
- Data transfers.
- e-VLBI developments/demos
- Future plans: LBA wide-banding?
 - Xcube tests
 - telescope issues
 - correlator issues
 - e-VLBI
- Organise scientific meeting in Northern Territory in 2014?
- Review of [Actions from meeting on 06 June 2013](#)
- AOB

Actions arising

CARRIED FORWARD/UPDATED/CONTINUING

- LBA data archive consolidation and copy at CASS. (CASS, Curtin)
 - LBA data archive. Need ATNF disk space (Tasso, Shaun) **Continuing**
- ATCA phasing. Check performance and implementation (Jamie S, Richard) **Updated**
 - Definitely need >200 mJy calibrators. Stress in documentation. (ATNF)
 - Recommend strong calibrators » 200 Mjy ~every hour (depends on weather) + possible weaker calibrators more often (ATNF)
 - Ask PIs to nominate phase-cals and check fluxes BEFORE scheduled observations (Phil, Jasmie S)
- ATCA Tsys via CABB (CASS) **Updated**
 - Investigate implementation by Bob Sault (Tasso)
 - Consult with Carrad and Sault about Tsys implementation on the CABB (Tasso)
 - Check with WEW and test whether acal scale preserved when mode changed to VLBI (Jamie S)
 - Review ATCA VLBI configs (Jamie S, Tasso) **Done**
- Observer training and remote observing (Tasso) **Continuing**
- Wiki logs (All) **Continuing**
 - Log transfers quickly to FTP area and/or Wiki (ALL) **Continuing**
 - Annual “best” wiki-log competition. To be judged by correlator. (Cormac)
- Schedule more 32 GHz tests with ATCA? (Phil) **Continuing**
- Pawsey centre access for VLBI and eVLBI (Chris, Cormac) **Continuing**
- Linear to Circular polarisation conversion. (Chris, Richard, Cormac) **Continuing**
- Monitoring “check-list” for ATNF telescopes (Chris, Jamie S) **Continuing**
- Monica implementation at Ceduna (Jamie & Jamie) **Continuing**
- Remote access to Ceduna VNC via Hobart? (Tasso, Jamie M.) **Continuing**
 - VNC within VNC ? (Jamie M, Tasso)

- Remote access to Ww (Stuart, Tasso) **Continuing**
- Simon Ellingsen complex schedules. Send frequency changes list to Ettore (Parkes) and Quick (Hart) for development of LO setups (Simon, Chris) **Updated**
 - Rationalise Simon's schedules (Cormac, Simon, Chris)

NEW ACTION ITEMS

- DASPRO for Parkes needs updating to reflect Mars Rx changes (Chris)
- NEXPRES BoD tests and demo would need time around June 2013 (Tasso, Phil) **Updated**
 - BoD test. Scheduled for 27 June 2013 (Chris, Tasso) **Done**
- Check-list for ASKAP Rx changes. Especially 100 MHz reference for X-band. (Tasso, Suzy).
 - Include on Wiki documentation (Tasso)
- RTFC needs >0.5 hours for Mk5 and complex (e.g Simon's) setups (Phil)
- Eliminate separate rtfc schedules except for special mosed (Cormac)
 - include in main schedules for 1st hour
 - Inform PIs of suitable fringe-finders from block-schedule (Cormac, Chris)
 - List of 22 GHz calibrators for Hart (Chris)
 - Ask Roopesh for calibrator update at 8 and 22 GHz (Chris)
- X-raid disks failing e.g at Ceduna. Manage at correlator (Cormac, Hayley) **Done**
 - Sent to correlator for replacement of disk (UTas)
 - Curtin to keep stock of 750 GB disks (from failing set) (Cormac)
 - Curtin has stock of 500 GB spare disks. ATNF also has spares and can provide extras.
- NZ slow transfer issues **Resolved**
 - Possible cache size in Mk5 software. Email to Stuart, Chris, Cormac (Jamie M)
- No phase-cal extraction from Mk5 in LBA correlator. Inform Hart. (Tasso) **Done**
- Include Hart 15m availability in LBA. Already in SCHED. **Done**
 - Include in OPAL
 - Supply web link
 - On wiki documentation
 - Inform Leonid Petrov
- For ATCA include in Wiki log: ref ant, pad, tied-array. Default ant03 on W104. (Jamie S)
- Develop LBA 64 MHz setups for X and K bands (Cormac) **Done**
- For Tid, determine which antenna is scheduled in block-schedule and modify setup files (Cormac, Shinji, Phil)
- Allow cdisco/server to select 1 x 64 MHz channel (Jamie S) **Done**
- KVN test data to Richard Dodson (Chris) **Done**
- Xcube developments by August session (Xcube, Tasso, Chris)

STANDING ACTION ITEMS

- VLBI science meeting in 2014 at Darwin (?) and setup LOC, SOC (Tasso)

Next meeting: 09 August 2013

From:

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

Permanent link:

<https://www.atnf.csiro.au/vlbi/dokuwiki/doku.php/lbaops/telecon2013jun24>

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