

# VLBI teleconference, Thursday 09 August 2013

**03:30 UT - 11:30 Perth, 13:30 AEST, 15:30 New Zealand**

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Meeting ID: 4439

Chair: Tasso Tzioumis

Attendance: Cormac Reynolds, Hayley Bignall (Curtin); Tasso Tzioumis, Chris Phillips, Phil Edwards (CASS Marsfield); Jamie Stevens (CASS Narrabri); Shinji Horiuchi (ATDSCC); Jamie McCallum, Brett Reid, Simon Ellingsen (UTas); Oleg Titov (GA); Sergei Gulyaev, Tim Natusch, Stuart Weston (AUT, NZ)

Apologies:

## Agenda

- 14-19 August 2013 LBA session
  - Block schedule
  - Detailed schedules
  - Telescope availability/issues
    - ATNF
    - UTAS & AuScope
    - WW
    - South Africa
  - People availability
  - SOC remote observing
    - ATNF
    - UTas
    - NZ
  - Monitoring
  - Disks
  - Correlator
  - Real-time fringe tests
  - Possible NAPA?

- Tests
  - NTFN testing
  - Xcube testing
  - Other testing
- Upcoming RadioAstron observations ?
- Korea VLBI technical meeting 10-12 Oct 2013
  - Attendance
  - Presentations
- DiFX technical meeting 14-18 Oct, Korea
- 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 24 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)
- 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 at annual Ops meeting. (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) **Done**
- Remote access to Ceduna VNC via Hobart? (Tasso, Jamie M.) **Done**
  - VNC within VNC ? (Jamie M, Tasso)
- Remote access to Ww (Stuart, Tasso) **Done**
- Simon Ellingsen complex schedules. Send frequency changes list to Ettore (Parkes) and Quick (Hart) for development of LO setups (Simon, Chris) **Done**
  - Rationalise Simon's schedules (Cormac, Simon, Chris)
- DASPRO for Parkes needs updating to reflect Mars Rx changes (Chris) **Done**
- Check-list for ASKAP Rx changes. Especially 100 MHz reference for X-band. (Tasso, Suzy). **Continuing**
  - Include on Wiki documentation (Tasso)
- RTFC needs >0.5 hours for Mk5 and complex (e.g Simon's) setups (Phil) **Done**
- Eliminate separate rfc schedules except for special modes (Cormac) **Done**
  - include in main schedules for 1st hour
  - Inform Pls 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)
- For ATCA include in Wiki log: ref ant, pad, tied-array. Default ant03 on W104. (Jamie S)
- For Tid, determine which antenna is scheduled in block-schedule and modify setup files (Cormac, Shinji, Phil)
- Xcube developments by August session (Xcube, Tasso, Chris) **Updated**

#### NEW ACTION ITEMS

- Check on Mp power-up of systems (Chris) **Done**
- Schedule 32 GHz tests for vt10s (Chris) **Done**
- Implement “intents” keyword from Vex schedule into ATNF schedules for auto-phasing (Jamie, Chris) **Continuing**
- Fix cdisko to record single polarisation, especially at Cd (Jamie S) **Done**
- Check on datarates and disk availability (Chris, Jamie) **Done**
- Remote access Ho and Cd via VNC for session. Need ssh tunneling. (UTas) **Done**
- Monitoring improvements (Jamie) **Done**
- Arrange tests on Curtin Xcube (Chris, Cormac) **Continuing**
- Onsource info from ATCA. Fix cgi scripts (Chris) **Continuing**
- Mk5 schedules and FS version. Tests needed (Jamie M) **Done**
- Investigate desirability of upgrade NZ connection from 1 Gbps to 10 Gbps (All) **Continuing**

## STANDING ACTION ITEMS

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

Next meeting: 27 August 2013

From:

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

Permanent link:

<http://www.atnf.csiro.au/vlbi/dokuwiki/doku.php/lbaops/telecon2013aug09>

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