

VLBI/eVLBI operations and technical meeting, Perth, 11-12 Feb 2014

----- **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. - **ACTION: Proposals and scheduling \* Monitor available LBA time and over-subscription (Phil) - CONTinuing \* Increase LBA time? (Phil) - CONT \* Encourage more ToOs qnd NAPAs(ATNF) - CONT \* Insert sentence re ToO and NAPA in call for proposals (Phil) \* More sessions of fewer days (e.g methanol cadence)? Produce early schedules and information. (Phil) - CONT \* Sessions spread out in time. Eases observing and correlation (ATNF) \* Offer Mk5 subnet recording alternative with higher-BW in call for proposals (ATNF) - CONT \* Offer GRB transient monitoring on LBA subnet i.e. Ho, Ww, Ak, Mp ? (LBA) \* Arrange EVN + LBA sessions. - ACTION: SCHED issues \* Keep PIs informed on SCHED developments (Cormac,Phil) - CONT \* Cal flags in SCHED? Update sources.dat file with calibrator flags (Cormac,Chris) - CONT \* 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 pipeline processing (Chris, Cormac) \* Support in SCHED for new DAS - CONT \* Xcube in SCHED (Chris) \* Ensure consistent IF wiring for LBA obs by UTas and WW (UTas and AUT) \* Check catalogues in SCHED and let Cormac know of issues (All) \* Check on Mk5B format for LBA (Cormac) \* VDIF code in SCHED (Chris, Cormac) \* JPL format support (Cormac) \* SCHED support after Craif Walker's retirement? (LBA, JIVE, KVN, CVN) - ACTION: Wiki/Web \* Continuing Wiki reorganisation/maintenance for accessibility (Chris,Cormac) - CONT \* 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) \* Calibration data instructions on Wiki (Hayley) - CONT \* Wiki "web-service"? \* LBA monitor interface (Chris, Jamie, Cormac) \* "chat" channel for important messages during observing? \* "Google calendar" alarms? - ACTION: Observing and monitoring \* Ww Tsys monitoring (NZ) \* Better LBA monitoring \* Monica alarm functionality coordination at observatories (LBA) \* Firewall issues with NZ (AUT, Chris) \* Utilise all available time at Tid (Shinji, ATNF) - CONT \* Get Parkes calibration data (Tasso, JER, Ettore) - CONT \* Get Tsys data on ATCA (Chris, Tasso) - CONT \* Tsys from ATCA data via Miriad? (ATNF) \* Mopra Tsys processing (Tasso, Jamie) \* ATCA Array phasing issues (Chris, Jamie, Tasso) -CONT \* Ensure ABphase set when autophase on (Chris) \* Show ABphase on Wiki (Chris) \* Update notes on CABB gain equalisation via sampler stats (Jamie S) \* Monitor H-maser rate at ASKAP (ATNF) - CONT \* Move Cd to dBBC and Mk5c (UTas) \* Determine Frequency to Channel mapping at Tid (Shinji) \* Xcube in real-time fringe checker (Chris) - ACTION: Continue wiki contest for best logs (LBA) \* Winnere for 2013: 1st - Tid; 2nd - UTas; 3rd - ATNF - ACTION: eVLBI pointing for Ww (Chris, Cormac, Jamie M, NZ) - CONT - ACTION: Data storage and transfers \* Review data transfer options - CONT \* Spare Mk5 to Geraldton for Ye data transfers? (AuScope, ATNF) \* rsync to PBStore and check transfers. \* Investigate 10 Gbps links at UTas. (UTas) \* Investigate feasibility of centralised data transfer (LBA) \* Setup Radioastron data transfers via PBStore (Chris) \* Thank J. Quick for excellent Hart data transfers. (LBA) - ACTION: Correlators \* Advance warning (in proposal) to correlator of technical requirements of observations (PIs) - CONT \* Feedback from PIs. Add to PI letter from correlator(Correlator, PIs) \* Pipeline imaging (Cormac, Chris) \* Reduction pipeline on Cave for e-VLBI (Chris, Cormac) - CONT \* make pipeline available to PIs? Inform in correlator letter. - CONT \* Pipeline reduction for cal only - CONT \* Cal flux-vs-time and compare with ATCA. \* 1921-293 flux vs ATCA. \* 1934-638 cal data from ATCA. \* Telescopes check back in pipeline archive for issues (All telescopes) \* Document Tsys labelling after correlation for "mixed-mode" observations. \* Copy LBA data archive to ATNF (Curtin, ATNF) - CONT \* Integrate with S2 archive (ATNF) \* Write software to read RPFITS. \* Get**

**enough disk storage at ATNF (ATNF) \* LBA archive online via ATOA? (Tasso) - CONT \* Investigate RPFITS and IDIFITS issues in ATOA (ATNF) \* IDIFITS reader (Jamie) \* Metadata transfer and storage? (ATNF) \* CAL notes on Wiki and inform Pls (LBA) - CONT \* Aim for ANTAB data at correlator (Curtin, ATNF) \* Issues of Tsys quality from stations. \* DiFX on Pawsey computers (Cormac) \* explore other supercomputer options \* Investigate eVLBI modes. \* Linear to circular conversion in DiFX after FFT. Check on ATCA. (Chris) - ACTION: Networks and e-VLBI Demos - CONT \* Invite IVEC to networking meetings (ATNF) \* UTas firewall issues (UTas) \* Overseas telescopes in eVLBI? (Tasso) \* Indian connectivity? Letter to GMRT re VLBI timing issues (Tasso) \* Regular Asia eVLBI tests? \* Malaysia connectivity? (ATNF) \* Demos \* ASKAP-KAT7 in eVLBI? - \* 10 GBps correlation (Chris, Cormac) - CONT \* Investigate Pawsey and other SPCs in Oz. \* Telecon within ~6 weeks (Ben, Cormac, Chris) \* Brazil eVLBI demo? (Tasso) \* Brazil-SouthAfrica-Oz-Ww-Argentina? - ACTION: e-VLBI developments - CONT \*\* \* Promote eVLBI better (All) \* eVLBI scheduling (cf EVN of ~10sessions/year) (ATNF) \* Utilise more e-VLBI test-time (ATNF) \* Investigate Tid e-VLBI connectivity (Tasso) - ACTION: VLBI/eVLBI technical developments \* Monitor developments of DBBCs, DBEs etc (All) \* new DAS? \* Xcube commissioning \* Progress in CABB wide-band system (ATNF) \* Monitor recorder/Disk developments (all) \* Replacement of LBA recorders/Disks? \* Cal scheme for linear-circular polarisation conversion (Chris, Cormac) - ACTION: VLBI Science meeting in Darwin/Katherine. Mid-2014? (Tasso, Jim) - ACTION: Next Ops meeting venue at Tidbinbilla (Shinji) - ACTION: Update news page on CSIRO website.**

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

Permanent link:  
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Last update: **2015/12/18 16:38**

