

Feedback for the EVN Users Meeting

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- Observations of a sample of ULIRGs (EVN + MERLIN)
- The nuclear region of NGC 7469 (EVN + MERLIN)
- The supernova factory in Arp 299 (eEVN)
- The gamma-ray binary LS I +61 303 (eEVN and MERLIN)

June 2006 - EP056A-B - 5 GHz : JbEfWbCmOnMcNtTrUrSh. MERLIN OK. Jb not available; Jb2 used instead. Pipelined calibrated data were provided by MERLIN and were of good quality. EVN overall data quality relatively good, but not inclusion of Lovell had a large negative effect (compared with EP061A-D) as targets have peaks around 200-400 microJy (selfcalibration is not possible). Data for Cm essentially useless.

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MERLIN used different phase-center coordinates for EB037A and EB037B than were used for the EVN, so getting a combined image was a headache.

March 2008 - EP061A-D - 1.6/5 GHz. JbEfWbCmOnMcNtTrUr/Hh. EVN data quality at 6cm seemed better than at 18cm (RFI, but probably also some other interferences being worse at 18cm). As a result, data reduction at 6cm was easier than at 18cm. Pipelined products useful for getting overall idea of quality, but of limited usefulness. Data quality for Cm, Mc, Nt and Tr seemed worse than for the rest of the antennas, especially Cm. On the other hand, the Chinese antennas have been doing better and better with time. MERLIN data for the phase-cal for experiments EP061B and EP061D were bad - we need to reobserve. MERLIN uncalibrated data were unfriendly to work with.

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EP061D - 5 GHz: Wb: 2/6 hr lost due to power supply on the real-time control PC failing intermittently. Lovell parked during the whole experiment due to strong winds. Tr uses another frequency synthesizer from this experiment on to try to eliminate the phase jumps.

— [April 2008 - RP009 - 5 GHz; CmMcJbOnTrWb. OK.

— [EP061E-H: 1.6 and 5 GHz. Got the data very recently, some problems with pipelined products apparently due to switch of the correlator model to comply with AIPS DEC08. Work under its way, prompt and useful interaction with EVN VLBI friends.

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— [MERLIN data products could be provided as the EVN does (raw data + tables) by default, or the MERLIN cookbook be more friendly, so as to be able to properly reduce the data.

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Congratulations to Patrick Charlot for his great job as EVN PC Chairman and my best wishes to Tiziana for taking over as chairwoman!