

vc017 Setup:

Description	18 cm fringe-check
Antennas	Pa-At-Mp-Ho-Ti
Start	27 01:00:00
Stop	27 02:00:00
PI	Adam Deller
Channel 1	DAS #1 IFP#1-L0 1634 - 1650 MHz USB RCP
Channel 2	DAS #1 IFP#1-HI 1650 - 1666 MHz USB RCP
Channel 3	DAS #1 IFP#2-L0 1634 - 1650 MHz USB LCP
Channel 4	DAS #1 IFP#2-HI 1650 - 1666 MHz USB LCP
Channel 5	DAS #2 IFP#1-L0 1666 - 1682 MHz USB RCP
Channel 6	DAS #2 IFP#1-HI 1682 - 1698 MHz USB RCP
Channel 7	DAS #2 IFP#2-L0 1666 - 1682 MHz USB LCP
Channel 8	DAS #2 IFP#2-HI 1682 - 1698 MHz USB LCP
DAS 1 Skyfreq	1650.00
DAS 2 Skyfreq	1682.00
Bandwidth	16 MHz
Recorder	Disk
DAS Mode	vsop.pro (telescope)

Ftp: <ftp://ftp.atnf.csiro.au/pub/people/vlbi/v190/v190f>

Comments:

This is a fringe-check for v190f. The schedule is incorporated into the v190f schedule so there is no need to change schedules in between the fringe check and the observation.

Record onto /data/removable/ for 59 minutes - don't forget to start the real recording for v190f!!!

TIDBINBILLA AND HOBART FREQUENCIES AND POLARISATIONS

Tid only has LCP at 1.6 GHz and should set up to record 4 channels of LCP at 256 Mbps using the vsop profile on the DAS, matched to the 4 channel frequencies given in the table. This will allow Tid to match LCP at all 4 frequencies for the ATNF antennas.

Likewise, Hobart should also set up to record LCP at 256 Mbps using the vsop DAS profile. Like Tid this will allow LCP coverage of all 4 frequencies of the ATNF antennas, and will exactly match Tidbinbilla. This setup will require splitting the RF signal and setting up two IF chains, one into each IFP of the DAS.

IFP#1 Skyfreq	1650.00 LCP
IFP#2 Skyfreq	1682.00 LCP

DAS & Recorder Setup

Hobart and Tidbinbilla connect DAS directly to VSIC as per normal

Parkes, ATCA & Mopra connect both DAS to single VSIC input using 'Huygens' cable. DAS#2 should be configured to be the higher frequency and connected to input#2 (input with clock lines connected).

From:

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

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