

# KASI Mopra: Setup and Observing

## Schedule Preparation

Standard .vex file required. Following setup assumes \$IF LO setting is correct and what OCTAD will assume.

On ATNF machines as user vlbi (maybe we need a KASI account, or group)

- Copy .vex file to `ftp` area (~vlbi/ftp/KASI/<exper>)
- dovex.sh -nofreq <exper>

This copies a translated Mopra telescopes schedule (exper\_Mp.com) to the Mopra observing machines

## Telescope Setup

*XXX For VNC window Setup*

Connect to bigrock:1 VNC (ssh tunnel via `venice`).

To further translate the schedule, in a terminal

- cd sched\_vlbi
- atcached
- @<exper>\_Mp.com
- write
- exit

To run the schedule. In a terminal run vlobs:

- vlobs
- file <exper>
- lo\_disable
- start

To stop a schedule use the vlobs command stop

You also need to:

- setfocus.pl
- In attest set "mm attenuation". (under atten tab)
- lo\_setup. Choose a frequency +/- 8004 MHz from assumed LO in vexfile (See below for sign of offset)

Freq	lo_setup freq offset	Sideband
16-26 GHz	+8004 MHz	LSB

From:

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

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