

Detchar assistance to commissioning

Locks

- Characterize every lock: lines, glitches, coupling between channels
- Study data quality over time (lock after lock)
- Individual lock reports: wiki + logbook
- Detchar shifts (at some point)

Data analysis tools

- Online monitoring: DMS + VIM (spectro, ENV, noise budget...)
- Online analyses: BRMSMon, Omicron
- Coupling analyses: coherence, UPV, EXCAVATor, Silentec
- Interactive investigation tools: DataDisplay, Omicron scans

Detchar needs

- Be aware of current (and future) commissioning activity
- Up-to-date channel list (VIC feature?)
- Lock status flags
- Manpower
- Attendance and report to the AdV weekly meeting
- Detector training sessions

Project status

- **VIM**: in development.
- **BRMSMon**: ready to go. Need to define a configuration (channels, bands)
- **Online Omicron**: in preparation
- **Omicron scans**: available
- **Coherence/UPV/EXCAVATOR/Silentec**: run on demand. Need documentation.
- **Virgo wiki**: available soon