



ATNF Astronomical Synthesis Imaging Workshop

12 - 16 May 2003

ATNF Compact Array, Narrabri NSW

The Australia Telescope National Facility is holding the 6th Astronomical Synthesis Imaging Workshop during the week of 12 - 16 May 2003. This will take place at the Australia Telescope Compact Array near Narrabri, NSW. The workshop is primarily aimed at developing an appreciation of radio synthesis imaging techniques amongst postgraduate students and the broader astronomy community, with an emphasis on millimetre interferometry. The workshop will consist of a series of lectures and tutorials, a tour of the telescope and some practical sessions using the telescope.

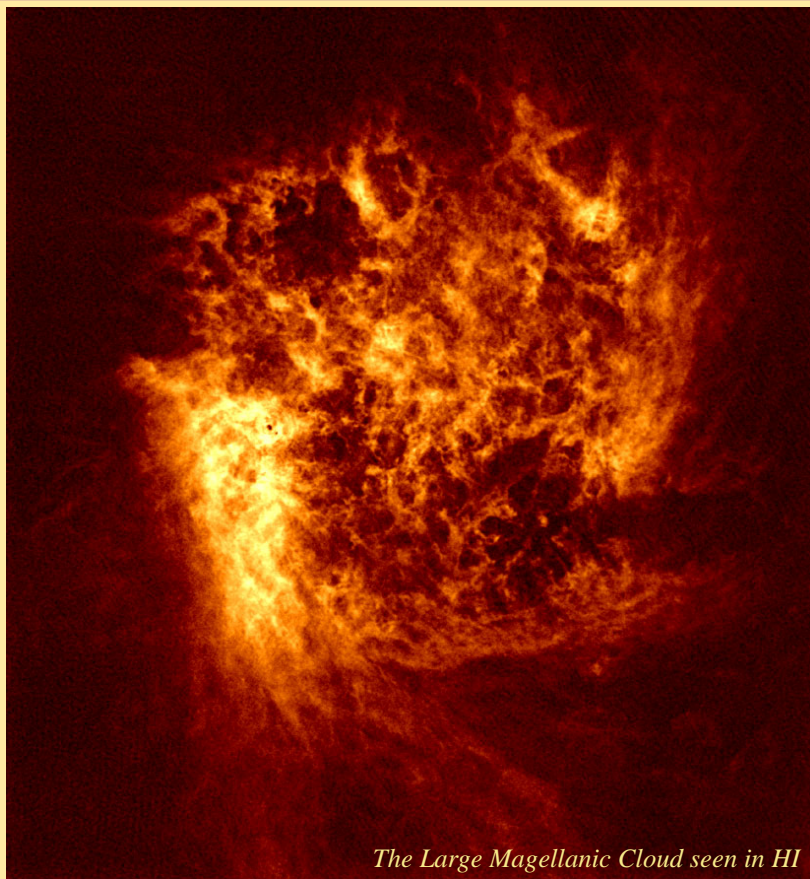
Accommodation will be arranged in the Narrabri township. Some travel and accommodation assistance will be available for students.

**Closing date for registration is
5 April 2003**

For more information, visit
www.atnf.csiro.au/synthesis
or contact via email
synthesis@atnf.csiro.au

TOPICS WILL INCLUDE:

- Basic concepts of synthesis imaging
- Antennas, receivers and correlators
- Calibration at cm and mm wavelengths
- Self-calibration and visibility analysis
- Deconvolution and image analysis
- Spectral line techniques
- Mosaicing and merging single dish data
- Writing a good proposal
- Practical observing
- Data reduction techniques



The Large Magellanic Cloud seen in HI