



ATNF Astronomical Synthesis Imaging Workshop

24 - 28 September 2001

ATNF Compact Array, Narrabri, NSW

The Australia Telescope National Facility is holding the 5th Astronomical Synthesis Imaging Workshop during the week of 24-28 September 2001. This will take place at the Australia Telescope Compact Array near Narrabri, NSW. The workshop is primarily aimed at developing an appreciation of synthesis imaging techniques amongst postgraduate students and the broader astronomy community. The workshop will consist of a series of lectures and tutorials, a tour of the telescope and some practical sessions using the telescope. A range of topics (from introductory to more advanced) will be covered, including:

Basic concepts of synthesis imaging

Fourier transforms

Antennas, receivers and correlators

Calibration and self-calibration

Deconvolution and image analysis

VLBI

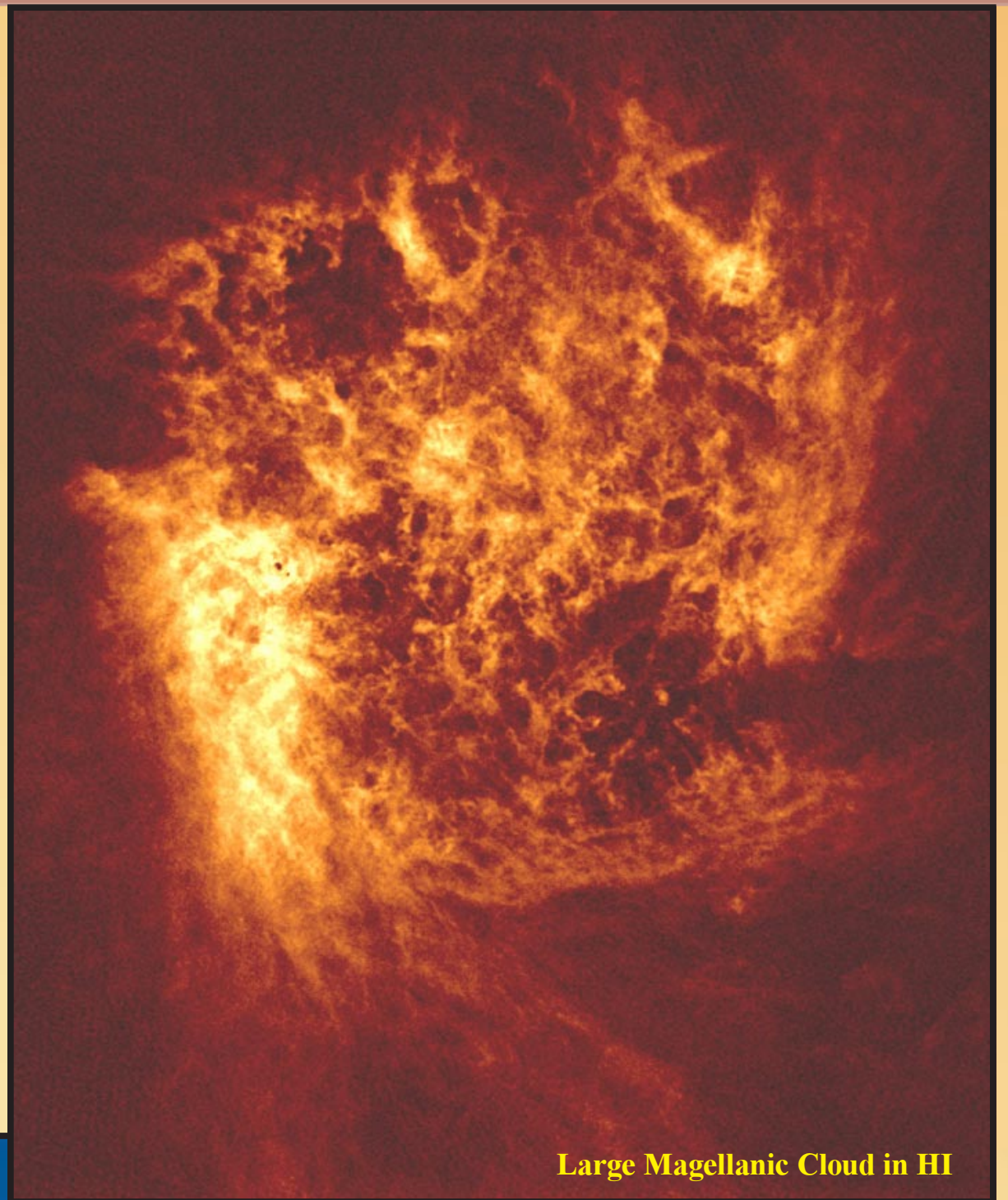
Spectral line techniques

Mosaicing and merging single dish data

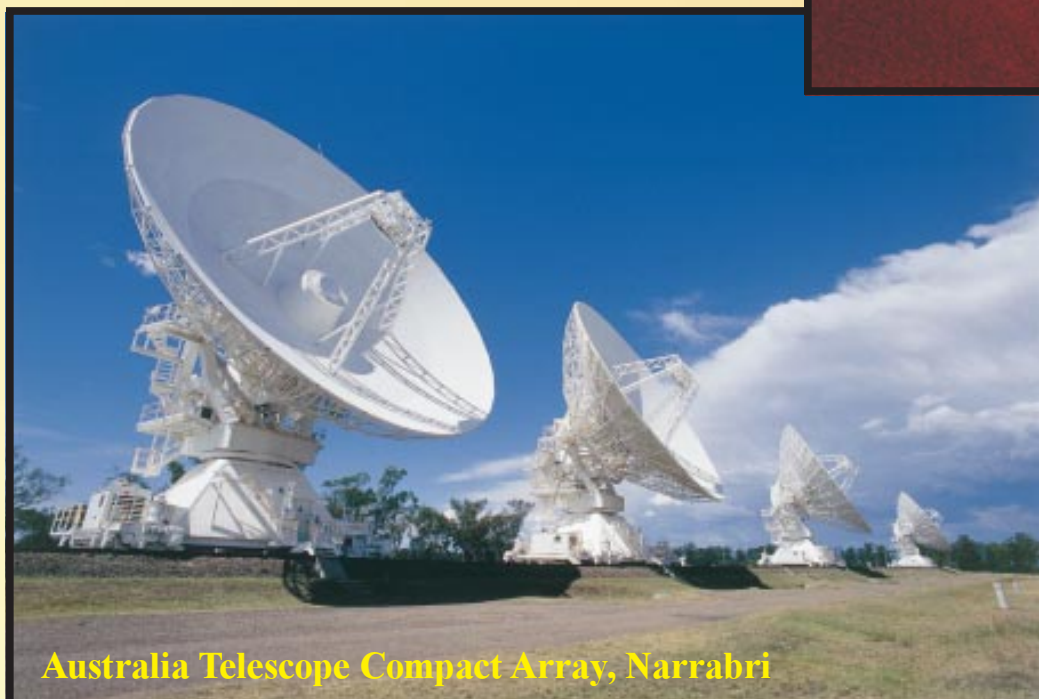
Millimetre wave synthesis techniques

Practical observing and data reduction techniques

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



Large Magellanic Cloud in HI



Australia Telescope Compact Array, Narrabri

Closing date for registration is 28 July 2001.

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