AUSTRALIA TELESCOPE OBSERVING APPLICATION

NAR

NARRABRI
AT COMPACT ARRAY

yr,term: 2004JANT

ATNF use
ident:
form: 2004JANT

email completed proposal (postscript only) to proposals@atnf.csiro.au
For current information on telescopes status and service observing see http://www.atnf.csiro.au/observers/apply/avail.html

1. Title of proposal:

2. Authors Principal investigator on line 1	**Institution/Country**	**for Ph.D. thesis ?**	present at Narrabri for observations?

3. Contact author and mailing address:

phone: ☐ FAX: ☐ e-mail: ☐

4. Continuation or resubmission of previous proposal? ☐ **Previous proposal no:** ☐
Related ATNF proposal numbers (if any): ☐

5. Scientific categories: ☐ Solar System ☐ Stellar ☐ Galactic ☐ Mag. Clouds ☐ Extragalactic

6. Type of observation: ☐ Imaging ☐ Snapshot ☐ Bandwidth synth. ☐ Mosaicing
☐ Point source ☐ Monitoring ☐ High time resol. ☐ Time binning ☐ NAPA ☐ Survey
☐ Continuum ☐ Spectral line ☐ Lin pol ☐ Cir pol ☐ Filler time

7. Configuration: see 'Guide to Obs' Table 6				
8. Alternative configuration? if any				
9. Do you require the 6 km antenna?				
10. Receiver [20+13, 6+3, 20, 13, 6, 3 cm] [12, 3 mm]				
11. Number of objects				
12. Number of observations per object				
13. Time per observation				
14. Hours requested (this term)				

15. Total number of hours needed for the project (incl. above): **16. Hours previously allocated** (if known)**:**

17. Number of publications to date from this proposal? ☐ **(List separately)**

18. Short summary of proposal (∼150 words, minimum font size 10 point):

Title of Proposal:

NAR

19. Please indicate the amount of additional help required:

☐ None ☐ Consultation ☐ Friend (Epping support: initial assistance with data reduction)

20. Spectroscopy only:	Line 1	Line 2	Line 3
transitions to be observed			
velocity range (km s^{-1})			
channel bandwidth (kHz)			
approx observing frequency			
number of channels per baseline			
number of pol products (1,2 or 4)			
specific correlator configuration (see 'Guide to Observations', Table 5)			

21. Number of sources: ☐ [If more than 8 sources, please attach list. If more than 30 give only selection criteria and LST range(s)]

22. Name [order of priority]	**Coordinates (J2000)**		**Band**	**Band width**	**Intensity (cont)**		**Source angular size**	**Maximum baseline or specific configuration**	**Time requested (hr)**
	RA (h,m)	**DEC ($\pm$°,′)**	**(cm/ mm)**	**(MHz)**	**total (Jy)**	**peak (mJy)**			

23. Have you consulted the ATCA archive (Y/N) ? ☐ see http://www.atnf.csiro.au/observers/data.html

24. Is service observing requested? (cm proposals only) ☐ No ☐ Preferred ☐ Essential

see http://www.atnf.csiro.au/observers/apply/avail.html

25. Additional comments on configurations:

26. Special hardware, software or operating requirements:

27. Preferred range of dates for scheduling:

28. Impossible dates:

28. Attach a scientific justification. Maximum length 3 pages (incl. figures). Minimum font size 10 point.