

D. J. Cooke

C.S.I.R.O. - DIVISION OF RADIOPHYSICS

ALLOCATION OF TELESCOPE OBSERVING TIME AT PARKES RADIO OBSERVATORY

2ND QUARTER 1973

1. DURATION - The quarter starts at 0800 hours on Tuesday 24th April, 1973 and will finish at 0800 hours on Wednesday 27th June, 1973.
2. CRYOGENICS - No cryogenic receivers have been scheduled. It is hoped that during the coming months the ancillary equipment essential for good cryogenic operation will arrive and be installed. Priority in 3rd Quarter will be available for unsuccessful applicants for cryogenic receivers this time.
3. CHANGES TO FORMAT - Please note some changes to the format:
  - (a) DAY time on Tuesdays and Wednesdays is allocated to the Officer-in-Charge, Parkes
  - (b) The computer maintenance time on Mondays extends from 0800 to 1630 hours
  - (c) A column headed "Computer Program Development" has been added. The program name and the programmer(s) are shown on the left and the times allocated on each CPD day on the right, in Australian Eastern Standard times.

4. OBSERVATION TIMES - The times available for observations are:

Monday	1630-0800	Friday	1300-0800
Tuesday	1300-0800	Saturday	0800-0800
Wednesday	1300-0800	Sunday	0800-0800
Thursday	0800-0800		

If the period 0800-1300 AEST on a Tuesday or Wednesday is not needed for maintenance purposes, the Officer-in-Charge, Parkes may allow observations in this period provided that a suitable alternative period of four consecutive hours is made available to any PDP-9 programmer scheduled for this time.

5. MODIFICATIONS TO THE PROGRAM - Any other modifications to this program must be approved by the Secretary, Program Planning Committee, who will notify the Officer-in-Charge and the Station Manager at Parkes.
6. TELESCOPE DRIVERS - Telescope drivers will be available for all times allocated for observing (unless otherwise indicated) in this program. If observations are not planned for any of the allocated time so that drivers are not needed, please inform the Station Manager as early as possible. [This applies particularly to allocated daytime].
7. COMPLETION OF AN OBSERVING NIGHT - Observers are expected to have organized their observations so that the telescope control desk, the computer and other equipment will be available for maintenance, testing and/or other use at or before 0800 hours on Mondays, Tuesdays, Wednesdays and Fridays.
8. POSSIBLE RADIO INTERFERENCE - The Officer-in-Charge, Parkes has drawn attention to two construction projects - an extension to the Visitors Car Park and the new administration building in the vicinity of the 64m telescope. "Although every effort has been made to minimise interference (e.g. pre-fabrication of building off site) there is a possibility of interference with observations between 8 a.m. and 4 p.m., Mondays to Fridays inclusive for the next three months".

9. 18m TELESCOPE TIME - Southern Survey of high velocity clouds: Murray, Mathewson (ANU) and Cleary (ANU). Time has been allocated as shown on the 18m telescope over considerable periods in the second quarter. In the last column of the program, asterisks indicate times when observations should be possible with the 18m telescope. Double asterisks denote times when there should be no conflict with 64m operations. At times of single asterisks, some test equipment will need to be shared and the 18m operations could be interrupted by the priority which is given to any claims which the 64m observers may have on equipment. In particular in the case of a failure of the correlator or computer the Mark II back-end and the RIDL may be needed. If an observer on the 64m telescope suspects interference arising from the 18m equipment, he may ask for it to be switched off for a short period (~30 minutes) for tests to be made. If it can be definitely proved that the source of interference is the 18m equipment, the 64m person will have priority.

10. SOME ABBREVIATIONS IN USE -

Numerals (21, 11, 18 ... ) refer to receiver wavelength in cm.  
Cs : Caesium standard  
C/m : Computer maintenance  
c/m : CRO monitor  
c/r : Chart recorder  
X-Yp : X-Y plotter  
MkII : Means that the receiver output at 30 MHz is connected to the multi-channel section of the 30 MHz and 6.7 MHz IF's and 64 channels of either 1, 10, 100 or 33.3 kHz filters.  
d/c : Desk check  
P.T.U. : Pulsar Timing Unit  
H/P, Schl. Synths: Hewlett-Packard, Schlumberger synthesizers  
Synch : Synchronizers  
D.A. : Duty Astronomer

11. ACCOMMODATION - Accommodation at the quarters is available from the night before an observing session or installation session starts. Any person whose name has not been listed in the program and who requires accommodation, must first obtain permission from the Group Leader before approaching the administration section for tickets and arrangements.

12. TIMES FOR MEALS - Please write your meal requirements in the book in the dining room.

Breakfast : 0730-0900  
Lunch : 1230  
Dinner : 1745

5th April, 1973

D.J. Cooke  
B.F.C. Cooper  
M.M. Komesaroff  
R.X. McGee (Secretary)  
J.A. Roberts (Group Leader)  
PROGRAM PLANNING COMMITTEE

DATE 1973	DAY 08 <sup>h</sup> - 13 <sup>h</sup>	13 <sup>h</sup> - 24 <sup>h</sup> - 08 <sup>h</sup>	Feeds, Focal Plane Requirements Other	Receivers		L.O., Pumps, Phase Locks Multipliers	Test Equipment	Data Processing	Computer Program	Installation, Driving Requirements, Remarks	Computer Program Development									
				Front End	Back End															
APRIL																				
Tue 24	O.I.C.	Fine Structure high vel.	20 Hybrid modes  L-band absorber  20-H-line lin.pol. sky horn	21-2	Auto correl. MkII on standby	H/P Synth + switch box		PDP9 Correlator	CORLAT  (LINE)	JDM to install technical man to be driver 1st night	Kennedy {06-08 13-18 LEE 06-13									
Wed 25	Parkes	Clouds																		
Thu 26		MURRAY, MATHEWSON (ANU)																		
Fri 27	C/m,d/c	CLEARY (ANU)																		
Sat 28																				
Sun 29		H-line absorption of																		
Mon 30	C/m	Polarized radio emission																		
MAY																				
Tue 1	O.I.C.	GARDNER, WHITEOAK									Survey 08-13									
Wed 2	Parkes										HAYNES 08-13									
Thu 3		Ketene Search	Own feed L-band absorber	30. 2 receivers	Auto correl.	H/P, Schl. Synths.	1-2 GHz Sweeper	PDP9 Auto- correl. Dec tape X-Ypl	CORLAT	Driver 1st night, all Sat. Sun.										
Fri 4	C/m,d/c																			
Sat 5		FOURIKIS, BROWN (Monash)																		
Sun 6		GODFREY (Monash)																		
Mon 7	C/m																			
Tue 8	O.I.C.																			
Wed 9	Parkes																			
Thu 10																				
Fri 11	C/m,d/c	Continuum Survey										LHE	11.	Broad- band continuum		CRO 2 beam	Calculator	OBSERV.		**
Sat 12		HAYNES, CASWELL																		**
Sun 13											**									
Mon 14	C/m	Polarization	LHE	11 pol. mode	Continuum			PDP9 2 DC amps	Own + PS1/1		- 04-08 **									
Tue 15	O.I.C.	MILNE									BUTLER 08-12 **									

Kevin  
away.



