

D. G. Cooke

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

ALLOCATION OF TELESCOPE OBSERVING TIME AT PARKES RADIO OBSERVATORY

4TH QUARTER 1973

1. DURATION - The quarter starts at 0800 hours on Tuesday 2nd October, 1973 and will finish at 2359 hours on Monday 24th December, 1973.
2. SHUTDOWN - The annual October Shutdown extends from the first day of the quarter until Sunday 14th October, 1973. The 6 cm cryogenic receiver will be installed in this period. The 18 m telescope will be used from 10th October by J.D. Murray and the University of Wisconsin observers.
3. FORMAT - Please note 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 times allocated (in AEST) are 0800 to 1300 hours on Tuesdays and Wednesdays, the programmer and the program are given. Please check immediately if any of these times conflict with observing plans and contact the Secretary if adjustments are necessary.

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 periods allocated between 1700 and 0800 AEST (unless otherwise indicated on the program). The Duty Radio Astronomer (the person underlined) should contact the Station Manager at the start of the observing period and arrange for any driving requirements between 0800 and 1700 AEST.
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. SOLAR OBSERVATIONS - The Solar Group observers, DULK, McLEAN and ARCHER have requested time at $\lambda 200$ cm on the 64 m telescope over the period ± 4 hours of local noon. The allocated days are indicated by \odot (early in the quarter). The full 8 hours will not always be available to them but it is hoped that they will be able to obtain as much of their time as possible.

9. 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, underlined in the program. Note that the first person listed, and not necessarily the duty astronomer, is regarded as the person running the show.

10. 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 Secretary before approaching the administration section for tickets and arrangements.

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

Breakfast : 0730-0900
Lunch : 1230
Dinner : 1745

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

2nd October, 1973

DATE 1973	DAY 08 ^h -13 ^h	13 ^h - 24 ^h - 08 ^h	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						
OCT.											
Tue 2											
Wed 3											
Thu 4											
Fri 5		TELESCOPE OVERHAUL									
Sat 6											
Sun 7		OCTOBER SHUTDOWN									
Mon 8											
Tue 9											
Wed 10											
Thu 11											
Fri 12											
Sat 13											
Sun 14											
Mon 15	C/m	LINE PROGRAM RIBES (Obs. de Meudon) COOPER	6 Noddy	6-l	MkII + Correl.	H-P,, Schl.	Sweeper etc.	PDP9	LINE, CORLAT	No absorber	
Tue 16	O.I.C.	Pointing SHIMMINS	6 Noddy	6-c	Usual						LEE - Mapping Program
Wed 17	⊙Parkes	Infra-red Sources	6 Noddy	6-c	Usual + D.C. amp			PDP9, desk calc. 1 off -line TTY. X-Yp	NODDY, POINT, PRECNT STAKFL	AJS "Brass Balance Box"	
Thu 18	⊙	WRIGHT, WALL, FOURIKIS									
Fri 19	⊙C/m,d/c	ETELS and Galaxies									
Sat 20	⊙	WALL, DISNEY (ANU)									
Sun 21	⊙	⊙ Pol of Solar Bursts	200 x dipole 200 dip at vertex	20kHz filters 2,200 Rx.	IF 30 MHz own Polarim.	180 MHz LO Freq.Synth. +	CRO mon. 2 dir.coupl. for cal.sys.	Nil	Nil	5 control cables 2IF, 1LO	
Mon 22	⊙ C/m	DULK, McLEAN, ARCHER									(Track Sun, occasionally move off)

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DEC. Tue 4	O.I.C.	Spectra	Dual pol. horn	18 dual channel	Correl. + usual	18 cm line system H/P	CRO monitor power meter	PDP9	CORLAT + own		HASLAM, WILSON 408 program
Wed 5	Parkes	COLE, ABLES									
Thu 6		ROBINSON									
Fri 7	C/m,d/c										
Sat 8		OH observation, extragalactic objects	Fourikis feed Absorber	18 dual channel	Correl. filters	etc.		PDP9	CORLAT LINE		
Sun 9		GARDNER, WHITEOAK									
Mon 10	c/m										
Tue 11	O.I.C.	HASLAM, WILSON	73 feed	Own 73	Installation Rx						WALL 11 cm program
Wed 12	Parkes	Recombination Lines	Dual 408 MHz	73 (MPI) 50Ω coax cold load Liquid N ₂	Correl.	H/P	Power meter monitor CRO c/r	PDP9	CORLAT		
Thu 13		BATTY (Sydney Uni)									
Fri 14	C/m,d/c	Intergal. Scintillation									
Sat 15		SUTTON (Sydney Uni)									
Sun 16		HUNSTEAD (Sydney Uni)									
Mon 17	c/m	Contin.Survey Magellanic Stream and Gum Nebula									
Tue 18	O.I.C.	MURRAY	73 on 64m	73 (MPI)	Contin.			Chart Recorders only		Require 18m telescope to follow 64 m	Free
Wed 19	Parkes	MATHEWSON, CLEARY (ANU)	21 on 18m	21-c	Contin.						Free
Thu 20		408 MHz Survey (Part I)	408 MHz feed	73 (MPI)	Own	Own	Sweeper	PDP9	Own	Drive at 6°/min in ZA	
Fri 21	C/m,d/c	HASLAM, WILSON (MPI)									
Sat 22											
Sun 23											
Mon 24	c/m	END OF 4TH QUARTER									
Tue 25 Dec. 1973 to Wed 2 Jan. 1974											
CHRISTMAS SHUTDOWN											