

ALLOCATION OF TELESCOPE OBSERVING TIME AT PARKES RADIO OBSERVATORY

4TH QUARTER 1972

1. The quarter starts at 0800 hours on Monday 23rd October and finishes at an unspecified time on Sunday 24th December, 1972.
2. "Day" time (0800 - 1300 hours) is not programmed for observations except on Saturdays and Sundays and the period 26th October - 2nd November (with permission from the Officer-in-Charge). Observers are expected to have organized their observations so that the telescope control desk, the computer and other equipment will be available for maintenance and/or testing at 0800 hours exactly.
3. Note that unless otherwise stated all times used in this programme are in Australian Eastern Standard Time.
4. Accommodation at the Quarters is available from the day before installations or observations begin. Any person visiting the Parkes Radio Observatory at other times, or a person not shown on the programme, must first obtain permission from the Group Leader or his representative before making travel and accommodation arrangements.
5. Note: meals will be at 0730 - 0900 for breakfast, 1230 for lunch and 1745 for dinner, Eastern Australian Summer time from 1st November, 1972.
6. The 64m telescope has been requested as a "prime" instrument in the Apollo 17 Moon mission. Time from Wednesday 6th December to Sunday 17th December, 1972 has been allocated for this purpose. NASA equipment will be installed and checked in the Control Room from 1st December. The ephemeris shows -

	<u>Moonrise</u>	<u>Moonset</u>
7th Dec.	0541	2039
17th Dec.	1613	0138

7. The Committee were unable to allocate the following in the 4th Quarter, 1972.

Polarization of Type III Solar Bursts		DULK, McLEAN	7 days
Installation Mk II 18 cm Receiver		SINCLAIR, HOWARTH MOOREY, BROOKS	} 6 days
Molecular Search HCHC	33 cm	FOURIKIS, WELLS ROBINSON, GODFREY, BROWN	
Mapping RCW Regions	11 cm	HUCHTMEIER	4 days
Formaldehyde Absorption in Dark Nebulae	6 cm	BROOKS, HUCHTMEIER	5 days
Continuum Sources	6 cm	SLEE, KOMESAROFF, HIGGINS	3 days
η Carina H90 α	3.4	HUCHTMEIER, DAY	4 days
Galactic Survey	3.4	DAY, HUCHTMEIER	4 days

Other 3.4 cm time would have been applied for if this receiver had been available. Priority for time in 1st Quarter, 1973 is not automatic.

8. Some abbreviations in use are:

Numerals (200, 73, 48, 21, 11, 3.4): refer to receiver wavelength in cm. X-l : line, X-c : continuum.
 Numerals (10, 33, 100): are MkII filter bandwidths in kHz.
 Cs: Caesium line 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 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
 PBU Push button unit
 H/P, Schl. Synths: Hewlett Packard, Schlumberger synthesizers
 P/D: Programme development

(D.J. Cooke)
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PROGRAMME PLANNING COMMITTEE

DATE 1972	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 Programme	Installation, Driving Requirements, Remarks
				Front End	Back End					
NOV. Mon 13	C/m	Install. <u>MURRAY</u> Pulsars McCULLOCH, RANKIN <u>KOMESAROFF</u>	21 cm receiver on 64m telescope. 21-Horn Feed rotator	21-c, l	MkII line	H/P, Schl.	CRO Power meter VTVM	PDP9 Paper punch X-Yp	HP, SP LINE	1st, 2nd half Drivers P/D 18 ^h -22 ^h
Tue 14										
Wed 15										
Thu 16										
Fri 17										
Sat 18										
Sun 19										
Mon 20	C/m	Galactic HI Absorption Pt II <u>CASWELL, ROGER</u> MURRAY, COLE, COOKE	21 Inter N-S track	21-l on 64m and 18m	Filter Spectro- meter 10 RIDL	H/P, Schl. Own phase lock	L-band sweeper, L,K band wave meters 2 light CRO's for 18m	PDP9 Papertape X-Yp 2 c/r's	RIDL OPTY	18m dish levelled on N-S track Cables checked Grass cut P/D 19 ^h -23 ^h
Tue 21										
Wed 22										
Thu 23										
Fri 24	C/m,d/c									
Sat 25										
Sun 26										
Mon 27	C/m									
Tue 28										
Wed 29		SNR Polarization	11-1HE Pol.Switch	11 Correlator	Cont.	-	-	PDP9 X-Yp line printer	Own	No 1st Half Driver P/D 17 ^h -24 ^h
Thu 30		<u>MILNE</u>								
DEC.										
Fri 1	C/m,d/c	Interacting Galaxies <u>WRIGHT</u>	11 Dual beam	11-c	11	Usual	-	PDP9	Own	P/D 8 ^h -12 ^h
Sat 2										
Sun 3										

DATE 1972	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 Programme	Installation, Driving Requirements, Remarks
				Front End	Back End					
DEC.										
Mon 4	C/m	Survey (Fast 10 ^o /min)	11 Dual beam	11-c	11	Usual	-	PDP9	Own	P/D 8 ^h - 12 ^h
Tue 5		SHIMMINS, BOLTON								
Wed 6		17 WALL								
Thu 7	A P O L L O	17								
Fri 8										
Sat 9										
Sun 10										
Mon 11										
Tue 12										
Wed 13										
Thu 14										
Fri 15										
Sat 16										
Sun 17										
E N D O F S U P P O R T										
Mon 18	C/m	Survey, Source	11 Dual beam	11-c	11	Usual	-	PDP9	Own	10 ^o /min ME drive P/D Tue 8 ^h - 12 ^h Wed 12 ^h - 16 ^h Thu 16 ^h - 20 ^h
Tue 19		positions								
Wed 20		(Fast Survey 10 ^o /min)								
Thu 21										
Fri 22	C/m,d/c	SHIMMINS								
Sat 23		BOLTON, WALL								
Sun 24										

CHRISTMAS SHUTDOWN