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

ALLOCATION OF TELESCOPE OBSERVING TIME AT PARKES RADIO OBSERVATORY

4TH QUARTER 1972

- 1. The quarter starts at 0800 hours on Monday 23rd Octoberand 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
- 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 -

		Moonrise	Moonset		
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	4 days
Mapping RCW Regions	11 cm	HUCHTMEIER	4 days
Formaldehyde Absorption in Dark Nebulae	n 6 cm	BROOKS, HUCHTMEIER	5 days
Continuum Sources	6 cm	SLEE, KOMESAROFF, HIGGINS	3 days
η Carina H90α	3.4	HUCHTMEIER, DAY	4 days
Galactic Survey	3.4	DAY, HUCHTMEIER	4 days

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

8. Some abbreviations in use are:

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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
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(D.J. Cooke)
(B.F.C. Cooper)
(R.X. McGee)
(J.A. Roberts)
(B.J. Robinson)
PROGRAMME PLANNING COMMITTEE

	DAY			Feeds, Focal	İ			 		·	Page
DATE 1972	08 ^h - 13 ^h	13 ^h -	24 ^h - 08 ^h	Plane Requirements	ı kece	ivers	L.O., Pumps, Phase Locks	Test Equipment	Data Processing	Computer	Installation, Driving
				Other	Front End	Back End	Multipliers	Liquipment	riccessing	Programme	Requirements, Remarks
OCT.											110111111111111111111111111111111111111
Mon 23	Inst	allation 6	cm Receiver		COOKE, BU	TLER, TRETT					P/D
Tue 24	Auto	correlator '	T ests	:	COOPER, MO	OOREY, (HUN	T)				24 ^h -08 ^h
Wed 25											
Thu 26	Gal.	Centre I	H109a, Cont.	6-2HE	6-1,c	MkII	H/P, Schl.	Phaselock	PDP9	LINE	Daytime
Fri 27	C/m,d/c	He N	Magellan Clouds	Cold load Absorber	Cryogenic at 5003	100 Auto-	Cs, Std 3LO at	monitors Sweeper,	Dectapes Papertapes	LINRED	Drivers No time for
Sat 28	HUCHTMEIE	R L	ACGEE,		to 5010 MHz	correlator at widest	36.70000	power meter	X-Yp. PBU 13 pen C/r	CORLAT	P/D
Sun 29	BATCHELOR	1	NEWTON		.	band		wave meter	Line printer		
Mon 30	C/m		BROOKS				·		Princer		:
Tue 31				·							
NOV.	10.30		Weak								
Wed 1	Search	h for	Source		6-1,c	IF's 300,	H/P, Schl.	Sweep gen.	PDP9	CORLAT	No time for
Thu 2	Inter	stellar		Cold load	Cryogenic at	30, 6.7 Filters	AJH Freq. Switch	c/m	Kennedy	LINE OPTY	P/D
Fri 3	C/m,d/c	Mols. 19	.30	Absorber	4.6 GHz	100. Auto	Вох			DKM-own	,
Sat 4	ROBINSON,	BROOKS,	MILNE			correlator BW. 20 or		·	l c/r Line		
Sun 5	BROWN, GOI	OFREY				10 kHz			printer		
Mon 6	C/m	Pulsar Six			6-1,c	MkII line	H/P, Schl.	c/m,	PDP9	НР	lst, 2nd half
Tue 7		KOMESAROFF	, RANKIN	Rotator	Cryogenic at				Paper	SP LINE	drivers
Wed 8		McCulloch			4.8 GHz			VTVM etc.	X-Yp.		18 ^h -22 ^h
Thu 9		Interactin			6-c			· · · · · · · · · · · · · · · · · · ·	PDP9	Own	P/D
Fri 10	C/m,d/c	WRIGHT and	đ	feed	·						08 ^h -12 ^h
Sat 11		Sources									
Sun 12		SHIMMINS									

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DATE DAY		13 ^h - 24 ^h - 08 ^h	Feeds, Focal	Receivers		L.O., Pumps,	M		_	Page 4 Installation,
1972	1972 08 ^h - 13 ^h 13 ⁿ - 24 ⁿ - 08 ⁿ	Requirements Other	Front End	Back End	Phase Locks Multipliers	Test Equipment	Data Processing	Computer Programme	Driving Requirements, Remarks	
NOV.										Remains
Mon 13	C/m	Install. MURRAY	21 cm receiv	er on 64m t	telescope.					
Tue 14		Pulsars	21-Horn	21-c, l	MkII	H/P, Schl.	CRO	PDP9	нр,	lst, 2nd half
Wed 15			Feed rotator		line		Power meter	Paper punch	SP LINE	Drivers P/D
Thu 16		McCulloch, Rankin					VTVM	X-Yp	2112	18 ^h -22 ^h
Fri 17	C/m,d/c	KOMESAROFF								
Sat 18		•	·							
Sun 19				,						
Mon 20	C/m	Galactic HI	21 Inter	21-1 on	Filter	H/P, Schl.	L-band	PDP9	RIDL	18m dish
Tue 21		Absorption Pt II	N-S track	64m and 18m	Spectro- meter	Own phase lock	sweeper, L,K band	Papertape X-Yp	OPTY	levelled on N-S track
Wed 22			·		10 RIDL		wave meters	2 c/r's		Cables checked Grass cut
Thu 23		CASWELL, ROGER					2 light CRO's			P/D
Fri 24	C/m,d/c	MURRAY, COLE,			·		for 18m			19 ^h -23 ^h
Sat 25		COOKE		i						
Sun 26										
Mon 27	C/m									
Tue 28										
Wed 29		SNR Polarization		11	Cont.	***	-	PDP9	Own	No 1st Half
Thu 30		MILNE	Pol. Switch	Correlator				X-Yp line		Driver P/D
DEC.								printer		17 ^h -24 ^h
Fri l	C/m,d/c	Interacting Galaxies	ll Dual beam	11-c	11	Usual	_	PDP9	Own	P/D
Sat 2		WRIGHT	Dual Deam							8 ^h -12 ^h
Sun 3			į							
		,								

DATE	DAY 08 ^h -13 ^h	13 ^h - 24 ^h - 08 ^h	Feeds, Focal	Recei	vers	L.O., Pumps,	Test	Data		Page 5 Installation,
1972	08"- 13"	23 24 - 08	Requirements Other	Front End	Back End	Phase Locks Multipliers	Equipment	Processing	Computer Programme	Driving Requirements, Remarks
DEC.										ROMALIAS
Mon 4	C/m	Survey (Fast 10 ^O /min)	11	11-c	11	Usual	an.	PDP9	Own	P/D
Tue 5		SHIMMINS, BOLTON	Dual beam							8 ^h - 12 ^h
Wed 6		17 WALL								
Thu 7	APOLI		h 7th December	0248Z (124	8 EAST)	Survey	work on So	lid		
Fri 8		Contr	s will be "pringled to the second sec	ent		centre telesc	region of	64m		
Sat 9		insta	lled from lst I	December		+ one		R		
Sun 10	BOLTO	<u>ON</u>				on 4 f	ine nights	· · · · · · · · · · · · · · · · · · ·		
Mon 11	Mon 11 and Parkes Staff									
Tue 12										
Wed 13										
Thu 14										
Fri 15		·								
Sat 16										ş-
Sun 17	-	E N D	OF SUPP	ORT						
Mon 18	C/m	Survey, Source	11 Dual	11-c	11	Usual	-	PDP9	Own	10°/min
Tue 19		positions	beam					1		ME drive
Wed 20		(Fast Survey 10 ⁰ /min)								Tue 8" - 12"
Thu 21										Wed 12 ^h - 16 ^h Thu 16 ^h - 20 ^h
Fri 22	C/m,d/c	SHIMMINS								
Sat 23		BOLTON, WALL								
Sun 24					·					