

ALLOCATION OF TELESCOPE OBSERVING TIME AT PARKES RADIO OBSERVATORY1ST QUARTER 1973

1. The quarter starts at 0800 hours on Tuesday 2nd January, and ends at the Easter holidays, Thursday 19th April. The April shutdown for servicing occupies the eight days immediately before Easter.
2. "Day" time (0800-1300 hours) is not programmed for observations except on Saturdays and Sundays, and for the periods 22nd-25th January and 1st-5th February (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 while this is in force.
6. The Committee was unable to satisfy requests for observing at wavelengths of 1.35 cm, 3.4 cm and 33 cm.
7. A programme of searching for high velocity HI clouds will commence on the 18m telescope (Murray and Mathewson (ANU)) after the solid state multiple chain for the 64m telescope is completed and subject to the availability of the MKII back end.
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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21st December 1972

PROGRAMME PLANNING COMMITTEE

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 Programme	Installation, Driving Requirements, Remarks
				Front End	Back End					
JAN. Tue 2 Wed 3 Thu 4 Fri 5 Sat 6 Sun 7 Mon 8	C/m C/m,d/c C/m	Flux Densities and Positions from Fast Survey SHIMMINS, WALL, <u>BOLTON</u>	11 Dual beam	11-c	11			PDP9	Own Posn 30	P/D 8 ^h -12 ^h
Tue 9 Wed 10		Polarization Mapping <u>MILNE</u>	11 - 1HE Pol. Switch	11-c	Cont.			PDP9	Own	P/D 10 ^h -14 ^h
Thu 11 Fri 12 Sat 13 Sun 14	C/m,d/c	RCW Regions <u>HUCHTMEIER</u>	11 - 1HE Cold load	11-c	Cont.			PDP9 2c/r Paper tape PBU	Survey PUL Stack	P/D 0830 to 1900
Mon 15 Tue 16 Wed 17 Thu 18 Fri 19 Sat 20 Sun 21	C/m C/m,d/c	Correl. Reinstallation <u>COOPER</u> , <u>MOOREY</u> , <u>HUNT</u> BUTLER, HALL HNO Search FOURIKIS, SINCLAIR BROWN, GODFREY (Monash)	Own	9-l	MkII	Own	2-4GHz Sweeper	PDP9 Correl.	LINE LINRED CORLAT	
Mon 22 Tue 23 Wed 24 Thu 25	C/m	High Velocity Clouds MURRAY, MATHEWSON (ANU) + Absorption Comparison <u>CASWELL</u>	21-Horn Absorber	21-l Frequency Switching Mode	MkII	H/P Synth Mult.chain Thumb wheel freq.selector LINE Ctrl box		RIDL PDP9	RIDL LINE OPTY	JDM to Install

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JAN.										
Fri 26	C/m,d/c	Pulsar Search	47-Horn	47-c Double Channel	MkII	H/P, Schl. Pulsar Timing Unit	Sweeper Power meter VTVM Tektronix CRO	PDP9 RIDL X-Yp + Peripherals		P/D 13 ^h 30 ^m to 17 ^h 30 ^m
Sat 27		<u>KOMESAROFF</u> , McCULLOCH,								
Sun 28		HAMILTON (Uni. of Tas.)								
Mon 29	C/m	ABLES, COOKE								
Tue 30										
Wed 31										
FEB.										
Thu 1	C/m,d/c		200 Crossed Dipoles	2 x 200 10 kHz filters (supplied by users)	30 MHz IF U. of T. Polar- imeter	Noise gen. & isolation power divider Cal.	CRO to monitor			Track Sun Computer free if no elec. interference
Fri 2	Poln. Type III	Dish Survey								
Sat 3	Bursts	16 ^h <u>YABSLEY</u>								
Sun 4	DULK	LOUGHRY								
Mon 5	McLEAN									
Tue 6	C/m	Installation 18cm +	Own	18-l dual channel	Corr. MkII	H/P, Schl. Caesium standard Phase locked klystron LO Monitor CRO	L-band sweeper	PDP9 Dec Tape	CORLAT LINE	No driver first 4 nights.
Wed 7		Correlator tests								
Thu 8		SINCLAIR, BROOKS,								
Fri 9	C/m,d/c	MOOREY, HOWARTH								
Sat 10		<u>COOPER</u> , et al					L-band Wave meter Power meters	Paper tape X-Yp C/r	LINRED OPTY	
Sun 11										
Mon 12	C/m									
Tue 13		Pulsar Search	47-horn	47-c Double channel	MkII	PTU H/P, Synth. + Schl. Pulsar timing unit	Sweeper Power meter VTVM Tekronix CRO	PDP9 RIDL X-Yp		P/D 11 ^h 30 ^m to 15 ^h 30 ^m
Wed 14										
Thu 15		<u>KOMESAROFF</u>								
Fri 16	C/m,d/c	McCULLOCH								
Sat 17		HAMILTON (Tas.)								
Sun 18		ABLES, COOKE								

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FEB.										
Mon 19	C/m	Pulsar Search (Cont.)								P/D 1130-1530h
Tue 20										
Wed 21		<u>KOMESAROFF</u> , McCULLOCH,								
Thu 22		HAMILTON (Tas.)								
Fri 23	C/m, d/c	ABLES, COOKE (Cont.)								
Sat 24										
Sun 25										
Mon 26	C/m									
Tue 27		Install 6cm	2HE	6-l						
Wed 28		BUTLER, BROOKS, COOPER								
MAR.										
Thu 1		Detail near Hel09a	2HE	6-l	MkII	H/P Schl.	CRO	PDP9 Mag/	LINE	P/D
Fri 2	C/m, d/c	<u>McGEE</u>	High	tuned to	on	Synth.	Sweeper	Paper tape	LINRED	0800-1200h
Sat 3		BROOKS	Frequency	5011 MHz	Standby	Cs Std	Wavemeter	Line	CORLAT	
Sun 4			Absorber		Auto	3rd LO at	Power	Printer	OPTY	
					Correl.	36.7. Ø lock	meter etc.	X-Yp		
						at		T/p & p		
						5.0000		1 3pen qtr		
Mon 5	C/m	Search for HDCO	2HE	6-l	MkII	H/P, Schl.	CRO	PDP9 Mag/	LINE	P/D
Tue 6		BROOKS, SINCLAIR	High	tuned to	33.3,	Synth. Cs	Sweeper	Paper tape	CORLAT	1430-1830h
Wed 7		<u>McGEE</u>	Frequency	5347 MHz	100 kHz	Std. 3rd	Power	Lineprinter	LINRED	
Thu 8		BROWN, GODFREY (Monash)	Absorber		filters	LO at	meters	X-Yp lc/r	OPTY	
					Auto	36.700 Ø lock	Wavemeter	3 pen		
					correl.	at		T/p & p		
						5.0000				
Fri 9	C/m, d/c	H ₂ CO in S.Coalsack	2HE	6-l	IF's at	H/P Schl.	Sweeper	PDP9 Mag/	LINE	P/D
Sat 10		<u>BROOKS</u>	Absorber		300, 30,	Synth.		Paper tape	OPTY	0800-1300h
Sun 11		SINCLAIR			6.7 MHz			X-Yp lc/r		
Mon 12	C/m	MANEFIELD			Auto					
Tue 13					correl.					

Infor.

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MAR. Wed 14 Thu 15		H109α Weak HII Regions <u>CASWELL</u>	2HE Cold load Absorber	6-l 5009 MHz	MkII 100 kHz			PDP9 Paper tape 1c/r PBU X-Yp RIDL	LINE OPTY RIDL	P/D 1130-1530h
Fri 16 Sat 17	C/m,d/c	H109α in Carina <u>HUCHTMEIER</u>	2HE Cold load Absorber Axial focus	6-l at 5010 MHz	MkII 100, 33. Auto Correl.	H/P Schl.Cs Std. Synth. H/P counter	Ø Lock Monitor Power meter	PDP9 DEC tape Paper tape X-Yp PBU 3pencil	LINE LINRED OPTY CORLAT	P/D 0600-1300H
Sun 18 Mon 19 Tue 20 Wed 21	C/m	H ₂ CO in Dark Clouds and Galactic Centre <u>HUCHTMEIER</u> BROOKS	1HE Cold load Absorber	6-l tuned to 4829.6 MHz	MkII 10, 33,100 Auto Correl.	H/P Schl. Synth.		PDP9 Dec & Paper tape X-Yp 1 c/r 3pen PBU	LINE LINRED OPTY CORLAT	Drivers all weekend P/D 1200-1900h
Thu 22		SERVICE 6cm RECEIVER								
Fri 23 Sat 24 Sun 25	C/m,d/c	Interacting Galaxies <u>WRIGHT</u>	'Noddy'	6-c	Continuum DC amp etc			PDP9 X-Yp	NODDY POINT PREC9	P/D 4 ^h at different time each day.
Mon 26 Tue 27	C/m	Elliptical Galaxies <u>WALL</u> , DISNEY (ANU)	'Noddy'	6-c	Continuum		None	PDP9 X-Yp	STAKFL NODDY POINT	P/D any 4 ^h
Wed 28 Thu 29 Fri 30 Sat 31 APRIL Sun 1	C/m,d/c	Flux Densities and Positions Fast Survey SHIMMINS, WALL <u>BOLTON</u>	'Noddy'	6-c Switched Horns 1°Cal	Continuum			PDP9	Own	P/D 8-12h (W) P/D 12-14h (W) Drivers required 24 hr/day
Mon 2 Tue 3 Wed 4	C/m	Mapping Molonglo Sources CLARK (Syd.Uni.) <u>CASWELL</u>	2HE	6-c				PDP9 PBU Paper tape 1 C/r	SURVEY	If/when available morning obs. time would be valuable.

