CSIRO - DIVISION OF RADIOPHYSICS

ALLOCATION OF TELESCOPE OBSERVING TIME AT PARKES RADIO OBSERVATORY
1ST QUARTER 1972

Notes: (1) The quarter begins on Tuesday 4 January, 1972 and ends at 2359 Thursday 30 March, 1972 with the Easter shutdown.

(2) TIME BETWEEN 0800 AND 1300 HOURS AEST IS NOT PROGRAMMED FOR OBSERVATIONS EXCEPT ON SATURDAYS AND SUNDAYS.

Some groups have indicated that observations in this interval would be desirable. The possible days have been marked with an asterisk*. If the telescope is not required for maintenance or instruction on these days the Officer-in-Charge may allow this time to be used for observations. Application must be made directly to Mr. A.J. Shimmins. Time in the remaining Tuesdays, Wednesdays and Thursdays (08^h to 13^h) may be provisionally programmed for computer programme development by the Parkes Software Committee.

(3) Accommodation at the quarters is available from the day before installations or observations commence. 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.

(4) The application of J.D. Murray for 20 cm. time to search for H_2^+ line was not able to be placed and will have a priority next quarter.

(5) Some abbreviations in use are:

Numerals (11, 6, 3.4, 73, 200, 91.8, 47.6, 31, 1.3) are observing wavelengths in cm.
Numerals (1, 10, 33, 100) are filter bandwidths in KHz.

Synth:	H/P, Schl :- Hewlett-Packard, Schlumberger frequency synthesizers.
Cs:	Caesium line frequency standard
C/r:	Chart recorder
ph.l:	Phase lock
I.f.:	Intermediate frequency
X-Yp:	X-Y plotter controlled by PDP9
PBU:	Press button unit to issue commands to PDP9.
c/m:	CRO monitor
C/m:	Computer maintenance
d/c:	desk check
h/s:	high speed
T/p&p:	teleprinter & punch (spare unit)
PTU:	pulsar timing unit.
T/p:	total power

(J.G. Ables)
(D.J. Cooke)
(B.F.C. Cooper)
(R. X. McGee)
(J.A. Roberts)

PROGRAMME PLANNING COMMITTEE

DATE 1971	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 4		2700 MHz source positions at Zenith and SGP.	11 Hybrid mode twin	11 MkII	Usual	Usual	-	PDP9	POSN29	-
Wed 5										
Thu 6										
Fri 7	C/m,d/c	SHIMMINS, BOLTON, WALL.								
Sat 8										
Sun 9										
Mon 10	C/m									
Tue 11										
Wed 12										
Thu 13		Installation 6cm. Receiver	6 1HE							
Fri 14	C/m,d/c	COOPER, SINCLAIR, McCULLOCH, HALL, LAM	Cold load							
Sat 15		Flare Stars in Orion and CMi (a) 1830-0330. SLEE, EDWARDS (NZ)	6 1HE Cold load (He cooled)	6-c, ℓ	I.f. 30, 6.7. Filters 1, 10, 33	Synth:H/P, Sch. 5 ph. 1.		PDP9 1 c/r, X-Yp Scans counter RIDL	SCAN LINE CORDOH OPTY	-
Sun 16										
Mon 17	C/m	Faint Objects LMC, galactic plane (b) 0330-0800 1500-1830 MILNE								
Tue 18										
Wed 19										
Thu 20										
Fri 21	C/m,d/c	Formaldehyde in Orion A. (c) 1800-2400 ROBINSON, THADDEUS (Goddard Inst.)						1 c/r, 2pen (paper tape)		
Sat 22										
Sun 23										

Note: (a) full 9 days except for 2 sessions 18-24^h; see (c)
(b) 6 days
(c) 2 days between 17 and 21 January

Use of absorber if agreement obtained from (a) and (b).

DATE 1971	DAY 08^h-13^h	13^h - 24^h - 08^h	Feeds, Focal Plane Requirements Other	Receivers: Front End	Receivers: Back End	L.O., Pumps, Phase Locks Multipliers	Test Equipment	Data Processing	Computer Programme	Installation Driving Requirements, Remarks
JAN.										
Mon 24	C/m	Formaldehyde absorption in dark nebulae	6 2 HE	6-ℓ 4829.6MHz	I.f. 300, 30, 6.7 Filters 10, 33, 100	Synth: H/P Sch.	-	PDP9, mag. & paper tape X-Yp, 1 c/r: 3 pens	LINE LINRED OPTY	-
Tue 25	*									
Wed 26	*	BROOKS, SINCLAIR, Student	He cooled load Absorber							
Thu 27	*									
Fri 28	C/m,d/c	Structure extragalactic sources	6 lin. pol. 2HE, dual beam	6-c	Dave Cooke DC Amp.	-	-	PDP9, X-Yp. c/r,	SUR (own) PS2	Drivers all the time
Sat 29		WALL, SCHILIZZI (Uni. of Sydney)								
Sun 30										
Mon 31	C/m	SNR's	6 load sw. 1st day, pol.	6-c	-	-	-	PDP9 "etc"	SCAN SCN POL	"Drivers"
FEB.										
Tue 1		MILNE								
Wed 2										
Thu 3		Installation 3.4 receiver		3.4- ,c 8872 MHz						
Fri 4	C/m,d/c	COOKE, HALL, LAM								
Sat 5		Pointing checks								
Sun 6		SHIMMINS	Extra day for either pointing checks or next programme							
Mon 7	C/m	Flux Density measurements	3.4 2HE, twin horn.	3.4-c	-	-	-	PDP9	FLUX 3	-
Tue 8	*	SHIMMINS, BOLTON, WALL								
Wed 9	*									

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FEB.										
Thu 10		Recombination Lines Southern Milky Way	3.4 2HE lateral focus He cooled load absorber (new if available)	3.4-c, Direct w/g to feed	s I.f. 300, 30, 6.7 Filters 10, 33, 100	Synth: H/P; Sch. 30 MHz phase 1. 36.700000MHz local osc. Cs. standard H/P counter	Power meter Sweep gen. 2 c/m Wavemeters	PDP9.mag, paper tape X-Yp.T/p&p PBU, G/R pulse gen. 1 C/r, 3 pen RIDL	LINE LINRED OPTY RIDL	Should be ready for normal driving 1st night
Fri 11	C/m,d/c									
Sat 12		HCCCN-lines Sgr. B2								
Sun 13										
Mon 14	C/m	McGEE, BATCHELOR, NEWTON								
Tue 15	*									
Wed 16	*									
Thu 17		Galactic Survey $\ell = 280^\circ$ to 290°	3.4 2HE Cold load	3.4-c		Freq. synth. phase lock	1 c/m	PDP9, paper tape, button unit, 1 c/r 3 pen, T/p&p	ESURVEY PS1/1 - system tape	1st, 2nd half drivers
Fri 18	C/m,d/c									
Sat 19										
Sun 20		DAY, COOKE								
Mon 21	C/m									
Tue 22										
Wed 23										
Thu 24		Circular Polarization	3.4 in pol. switching modes $\lambda/4$ plate 1HE feed	3.4-c	Continuum T/p + synch. det.	Standard	CW source X band	PDP9, DEC tapes. PBU 1 c/r, 2 pen	POLAR	Drivers for all available daytime incl. week ends.
Fri 25	C/m,d/c									
Sat 26										
Sun 27		ROBERTS, COOPER, WHITTLE								
Mon 28	C/m									

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Tue 29 MAR. Wed 1 Thu 2 Fri 3 Sat 4 Sun 5	C/m,d/c	Dispersion Spectroscopy ABLES, SLEE, MOOREY	73, 200	73, 200-c	2 standard 30MHz BE's MkII line Rx 1, 10, 33, 100	Synth: H/P, Schl. H/P VHF Osc.	Tectronics 453 c/m, 1 c/m Power meter	PDP9, X-Yp. T/p&p h/s paper punch PTU, Display CRO	DIS PEC (supplied)	Driver 1st day after 14^h. all day Sat, Sun.
Mon 6 Tue 7 Wed 8	C/m	Parkes/Ooty VLB Pulsar Scintillations survey ABLES, SLEE, BATCHELOR, HIGGINS	91.8	91.8-c	Standard 30 MHz B.E.	Synth: H/P, Schl.	1 c/m	PDP9, T/p&p, h/s punch 1 c/r Display CRO	PARTY (Supplied)	-
Thu 9 Fri 10 Sat 11 Sun 12 Mon 13	C/m,d/c C/m	Circular polarization ROBERTS, COOKE	47.6 pol.horn /2 phase switch	47.6 paramp air-core coax to feed	Total power & switched power to the digitized	-	-	PDP9, DEC tapes, PBU 1 c/r 2 pen		Drivers required all available Daytime.
Tue 14 Wed 15 Thu 16 Fri 17 Sat 18 Sun 19	C/m,d/c	Search for 4 molecular lines in Sgr. B2, Orion Neb, W 51 FOURIKIS, GODFREY, BROWN (Monash Uni.) ROBINSON	31 supplied Cold load absorber	31-L band receiver, supplied direct to feed	If's 30, 6.7, MkII Rx Filters 33, 100	Synth: H/P Phase lock	Telonic Sweep	PDP9, mag. paper tape X-Yp 1 c/r	LINE LINRED OPTY	Install 0800 liquid N_2 Driver 17^h 1st night all Sat, Sun.

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MAR.										
Mon 20	C/m	Ammonia in Antipodes Receiver Tests	1.3 34^o horn lateral focus	1.3-c & K band	Multi-channel B.E. Filters 1, 10, 33, 100	Synth: H/P, Schl. H/P klystron P/S X-13 klystron Dymec	Alfred sweeper K-band wave meter; power meter, precision attenuator	PDP9, DEC, paper tape, T/p&p 1 c/r, 3 pen	LINE LINRED OPTY	Driving not required until installation successful
Tue 21										
Wed 22										
Thu 23		BATCHELOR, BROOKS, McGEE	high freq. absorber							
Fri 24	C/m,d/c	GODFREY (Monash Uni.) NEWTON (when installation complete)								
Sat 25										
Sun 26										
Mon 27	C/m	K-Band Dish performance	1.3 34^o horn lateral focus Switched horns 37^o, 40^o horns	1.3-c,	Continuum max. available B/W line - 100 KHz filters	"Standard" arrangements	-	PDP9 paper tape, 1 c/r, 3 pen RIDL	RIDL ONOFF POSN, SCANT, OPTY	Morning drivers required if can be arranged
Tue 28	*									
Wed 29	*	YABSLEY, COOPER								
Thu 39	*									
Fri 31	End of Quarter - Good Friday - Easter Shutdown.									