

C.S.I.R.O. - DIVISION OF RADIOPHYSICSALLOCATION OF TELESCOPE OBSERVING TIME AT PARKES RADIO OBSERVATORY2nd QUARTER 1972

1. The quarter extends from Tuesday 4 April to 0800 hrs Monday 10 July 1972.
2. The April Shutdown starts immediately after Easter on Tuesday 4 April and is expected to require 9 days. The 11 cm receiver will be installed in this period and telescope pointing checks will be carried out on the final Wednesday night, 12 April 1972.
3. The 64 metre telescope is on standby for the Apollo 16 flight to the Moon from Sunday 16 April to Friday 28 April inclusive. As occasion permits the local Parkes observers, J.G. Bolton, A.J. Shimmins, J.V. Wall and D.J. Cooke, will make continuum observations with the 11 cm receiver in this period.
4. The time between 0800 and 1300 hours AEST is not programmed for observations except on Saturdays and Sundays. Time on Tuesdays Wednesdays and Thursdays may be provisionally programmed for computer programme development by the Parkes Software Committee.
5. 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.
6. As it was agreed at the group meeting that no 3.4 cm time would be allotted this quarter unless a change of programme was required, the applications received for 3.4 cm time will not have priority next quarter.
7. Some abbreviations in use are:

Numerals (11, 73, 18, 6, 21) refer to the wavelengths in cm. X- ℓ : line, X-c : continuum.
 Numerals (1, 10, 33, 100) are filter bandwidths in kHz.

Cs:	Caesium line standard.
c/r:	Chart recorder.
X-Y pl:	X-Y plotter.
T/p & p:	Teleprinter and punch (spare).
Mk.II line:	Means that the receiver output at 30 MHz is connected to the multichannel section of 30 MHz and 6.7 MHz IF's and 64 channels of 1, 10, 33.3, 100 kHz filters.
H/P, Schl Synth:	Hewlett-Packard, Schlumberger frequency synthesizers.
c/m:	CRO monitor
C/m:	Computer maintenance
d/c:	Desk check
PBU:	Push button unit to issue commands to PDP-9 in LINE, SCANS, SURVEY, etc.
PTU:	Pulsar timing unit.

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

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					
APRIL										
Fri 28	C/m, * d/c	Pulsars	73 Feeds	73	Mk.II line	H/P, Schl Synth. H/P VHF Osc	1 c/m power meter	PDP-9 T/p & p X-Y pl. Extra DEC tapes.	Own	Daytime drivers - no morning obs.
Sat 29										
Sun 30										
MAY		KOMESAROFF, ABLES, WHITTLE (HAMILTON, McCULLOCH)								
Mon 1	C/m									
Tue 2										
Wed 3										
Thu 4		OH Positions	18. Sky Horn and Cold load ref. Circ. pol.	18-2	1, 10	H/P, Schl Synth.		PDP-9 Paper tape X-Y pl. PBU for line program. RIDL	OPTY, CORDOH, LINE RIDL	
Fri 5	C/m,d/c									
Sat 6		ROBINSON, CASWELL								
Sun 7										
Mon 8	C/m	Installation - Digital Correlator and Tests	18	18-2	Mk.II line. 1, 10, 33, 100.	H/P, Schl Synth.		PDP-9 Paper tape X-Y pl. T/p & p PBU, 1 c/r 3 pen.	OPTY LINE	Drivers will not be required until 20 May unless requested occasionally
Tue 9										
Wed 10										
Thu 11		ABLES, MOOREY, HUNT, BROOKS, COOPER, HOWARTH, GAY, BUTLER								
Fri 12	C/m,d/c									
Sat 13										
Sun 14		Dish Survey		To be fitted in as convenient in this period.						Driver may be required for short periods.
Mon 15	C/m	YABSLEY, MONTICONE et al								
Tue 16										
Wed 17		Installation 6 cm Cryogenic Receiver	2 HE, Cold load, Absorber	6-2 tuned to 5009 MHz	Mk.II line. 100	H/P, Schl Synth. Cs standard	Sweep Gen. c/m, wavemeter power meter	PDP-9 X-Y pl. T/p & p PTU CRO display 1c/r, 3 pen	LINE OPTY	To be made when Rx is available.
Thu 18										
Fri 19	C/m,d/c	COOKE, HALL, LAM								

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				Front End	Back End					
JUNE										
Mon 12	c/m	H, He 109 α Survey CHURCHWELL (M.P.I.) HUCHTMEIER	2HE Cold load	6-l tuned to 5009.9 MHz	Mk.II line 10,33, 100.	H/P, Schl Synth.		PDP9, Mag. & paper tape. X-Y pl. 1 c/r, 3 pen DEC tapes.	LINE LINRED OPTY	Drivers 1300 to 0800
Tue 13										
Wed 14										
Thu 15										
Fri 16	C/m,d/c	H ₂ CO Absorption in HII and Dark Clouds	1HE Cold load	6-l tuned to 4829.6 MHz	Mk.II line 10,33, 100.	H/P, Schl Synth.		PDP-9 Mag & paper tape, X-Y pl. 1 c/r, 3 pen DEC tape PBU	LINE LINRED OPTY	Drivers 1400 to 0800 and all weekend. NB: Feed change
Sat 17										
Sun 18										
Mon 19	C/m	HUCHTMEIER, BROOKS NEWTON, (SINCLAIR)								
Tue 20										
Wed 21	C/m,d/c	Circular Polarization	1HE "λ/4 plate" pol. switching configur- ation.	6-c				PDP-9 PBU 1 c/r, 2 pen	POLAR2 PS2 System tapes.	Drivers required for all available daytime.
Thu 22										
Fri 23										
Sat 24										
Sun 25										
Mon 26	C/m	Continuum Sources near pulsars and nova remnants SLEE, HIGGINS, KOMESAROFF	1HE Cold load No pol.	6-c	Cont.	As usual		c/r, X-Y pl. paper punch. PDP-9	REDSAMP BASEOUT Possible contours DKM scan	
Tue 27										
Wed 28										
Thu 29										
Fri 30	C/m,d/c	H ₂ ⁺ Search	21 hybrid mode. L-band absorber.	21-l	Mk.II line	Multiplier Chain H/P, Synth.		PDP-9	LINE LINRED	JDM to instal.
JULY										
Sat 1										
Sun 2										
Mon 3	C/m	Circular Polarization	Single hybride mode L-band absorber	21-c	Cont	Own phase lock osc.		PDP-9 PBU 1 c/r, 2 pen	POLAR2 PS2	Drivers required for all available daytime.
Tue 4										
Wed 5										
Thu 6										
Fri 7										
Sat 8	C/m,d/c	ROBER, ROBERTS, MURRAY								
Sun 9										