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

ALLOCATION OF TELESCOPE OBSERVING TIME AT PARKES OBSERVATORY

3rd QUARTER 1971

NOTES:-

1. The quarter begins on Monday 5 July 1971 and finishes on Monday morning (8 a.m.) 11 October 1971.

2. The 64-metre telescope will be engaged on NASA - Apollo XV duties from 0800 hours EAST, Wednesday 21 July 1971 to 0800 hours Sunday 8 August 1971. If conditions permit some 11 cm observations will be carried out by the Parkes Source Survey Group of Bolton, Wall and Shimmins.

3. The K-band receiver of the U.S.A. Naval Research Laboratories will be in operation on the telescope from Tuesday 17 August until Monday 30 August 1971.

4. On Mondays maintenance on the PDP9 may extend from 08^h to 12^h30^m EAST and on Fridays maintenance on the PDP9 and associated equipment and the control desk check may cover a similar period.

   On Tuesdays, Wednesdays and Thursdays observations may continue for 22 hour periods. However, if maintenance is required the Officer-in-charge will notify the Duty Astronomer as early in his period as possible. In general, minor maintenance jobs will be carried out between 08^h and 10^h EAST on these days but on occasion a full period of 08^h to 17^h will be required.

   Saturdays and Sundays are as usual - 24 hours available.

   N.B. It will be necessary for the Duty Astronomer to make arrangements about driving the telescope in the Day session.

5. It is assumed that the first named person is in charge of the project; the underlined name is that of the Duty Astronomer.

6. Accommodation at the quarters is available from the day before observations or installations commence. Any person visiting the Parkes Observatory at other times or those not shown on the programme must first obtain permission from the group leader or his representative before making travel and accommodation arrangements.

7. Priority in the 4th Quarter will be available to those whose applications were not able to be fulfilled in the 3rd Quarter:-

Polarization Studies of Southern Pulsars	400 MHz.	Ables, Hamilton, McCulloch.
SNR Polarization and Mapping	3.4 cm	Milne, Dickel, Ables.
Southern Milky Way and Magellan Clouds Continuum and Line Survey	3.4 cm	McGee, Batchelor, Newton.
C_4H_4, HC_3N investigation	3.4 cm	Gardner, Ribes

8. The meeting to discuss plans for the fourth quarter will probably be held on Friday 17 September 1971, at 9 a.m. in the Lecture Theatre.

9. The abbreviations in use are:-

Numeral on the first line refers to receiver wavelength.

l - line receiver; C - Continuum receiver.

Numerals, 1, 10, 33, 100 refer to filter bandwidths in kHz.

H/P, Sch.	:	Hewlett-Packard, Schlumberger frequency synthesizers.
Cs	:	Caesium line frequency standard.
c/r	:	Chart recorder (3 pen)
X-Yp	:	X-Y plotter
c/m	:	CRO monitor
C/m	:	Computer maintenance
d/c	:	Control desk check
T/p&p	:	Teleprinter and punch
p/s	:	Power supply.

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

Programme Planning Committee

18th June, 1971.

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

ALLOCATION OF TELESCOPE OBSERVING TIME AT PARKES OBSERVATORY

3rd QUARTER 1971

DATE 1971	DAY $08^h - 13^h$	$13^h - 24^h - 08^h$	EQUIPMENT REQUIRED
JULY			
Mon 5	C/m	Installation 6 cm Cryogenic Receiver	
Tue 6		COOKE, COOPER, HALL, LAM (cryogenics)	
Wed 7		Molecular Lines Search	6-ℓ "Various feeds". No pol.
Thu 8		BOLTON, WALL, COOPER, GARDNER	H/P, Sch, Cs, 10, 33, 100 l c/r,
Fri 9	C/m, d/c	RIBES, GODFREY (Monash Uni.)	RIDL, PDP9, X-Yp, 1 c/m
Sat 10		+	
Sun 11		$2\pi_{\frac{1}{2}}$ line	
Mon 12	C/m	GARDNER, RIBES	
Tue 13			
Wed 14			
Thu 15			
Fri 16	C/m, d/c	SNR Observations	6-ℓ 1HE. Pol required.
Sat 17			H/P, Sch, Cs, 100 1 c/r,
Sun 18			RIDL, PDP9, X-Yp, 1 c/m, T/p&p
Mon 19	C/m	MILNE, DICKEL, ABLES	
Tue 20			
Wed 21			Southern Source Survey
Thu 22		APOLLO XV - NASA	b = -60^o to -90^o
Fri 23	C/m, d/c	BOLTON	BOLTON, WALL, SHIMMINS
Sat 24			11-C Dual Feed. Sch, Cs, 1 c/r
Sun 25			RIDL, PDP9, X-Yp, 1 c/m, T/p&p.
Mon 26	C/m		Some 2nd halves as possible in
Tue 27			the Apollo period.
Wed 28			
Thu 29			
Fri 30	C/m, d/c	Apollo XV into Lunar orbit.	
Sat 31			
AUGUST			
Sun 1			
Mon 2	C/m		
Tue 3			
Wed 4		Apollo XV out of Lunar orbit.	
Thu 5			
Fri 6	C/m, d/c	Occultation ~03^h.	
Sat 7			

DATE 1971	DAY 08^h - 13^h	13^h - 24^h - 08^h	EQUIPMENT REQUIRED
AUGUST			150mHz
Sun 8		Pulsar Scintillations VLB	92, 200-C Double Dipoles
Mon 9	C/m	Parkes - Ooty	H/P, Cs, 1 c/r, RIDL
Tue 10			PDP9, X-Yp, 1 c/m, T/p&p
Wed 11		SLEE, BATCHELOR, ABLES	
Thu 12		SWARUP at Ooty	
Fri 13	C/m, d/c	+ Dispersion Spectroscopy	74, 200-C Dipoles
Sat 14		ABLES	1, 10, 33, 100 + 1 c/r, PTU
Sun 15			in addition to above.
Mon 16	C/m		
Tue 17		Telescope evaluation at K-band	NRL K-band. Switched Horns
Wed 18		YABSLEY, COOPER, MONTICONE,	1 c/r, PDP9, X-Yp, T/p&p, 1 c/m
Thu 19		THOMAS, BATCHELOR	
Fri 20	C/m, d/c	H_2O-line Southern Search	NRL K-band. 2 HE feed
Sat 21			H/P, Sch, Cs, 1, 10, 33, 100
Sun 22		BATCHELOR, JOHNSTON (NRL)	1 c/r, RIDL, PDP9, X-Yp,
Mon 23	C/m	KNOWLES (NRL), ROBINSON,	1 c/m, 6 cm back-end.
Tue 24		CASWELL	lateral focus adjustment
Wed 25			H/P Klystron p/S. Dymec
Thu 26			synchronizer, PDP9-M/C
Fri 27	C/m, d/c		interface.
Sat 28			
Sun 29			
Mon 30	C/m	Molecular lines search.	9-ℓ Rect. Horn. No pol.
Tue 31		ROBINSON, SINCLAIR, RIBES	H/P, Sch, Cs, 10, 33, 1 c/r
SEPT.		FOURIKIS, GODFREY (Monash Uni.)	RIDL, PDP9, X-Yp, 1 c/m
Wed 1			
Thu 2			
Fri 3	C/m, d/c	Installation 6 cm Cryogenic Receiver	
Sat 4		COOKE, HALL, LAM (cryogenics)	
Sun 5		Planetary Nebulae	6-C 1HE
Mon 6	C/m		1 c/r, PDP9, X-Yp, 1 c/m
Tue 7			T/p&p
Wed 8		MILNE, ALLER	
Thu 9			
Fri 10	C/m, d/c	Circular polarization of Sources	6-C, 1HE + $\lambda/4$ plate, ⊙ pol.
Sat 11			H/P, Sch, Cs, 1 c/r
Sun 12		ROBERTS, RIBES, BROOKS	PDP9.
Mon 13	C/m		

Kevin in Sydney

DATE 1971	DAY 08^h - 13^h	13^h - 24^h - 08^h	EQUIPMENT REQUIRED
SEPT.			
Tue 14		Line Search Magellanic Clouds	6-ℓ, 2HE feed, H/P, Sch, Cs,
Wed 15		and Galaxies	10, 33, 100 l c/r, RIDL, PDP9,
Thu 16			X-Yp, 1 c/m
Fri 17	C/m, d/c	BROOKS, SINCLAIR, RADHAKRISHNAN	Absorber at focal plane.
Sat 18			
Sun 19			
Mon 20	C/m		
Tue 21		H109α Magellanic Clouds	6-ℓ, 2HE feed. No pol.
Wed 22			H/P, Sch, Cs, 1, 10, 33, 100
*Thu 23			1 c/r, RIDL, PDP9, X-Yp, 1 c/m,
*Fri 24	C/m, d/c	McGEE, NEWTON, BROOKS	T/p&p
*Sat 25		(H109α - Southern	J-C.R. computer programme.
*Sun 26		*{Continuum mapping} between	Absorber at focal plane.
*Mon 27	C/m	{CASWELL} 1200-1900 ST.	
Tue 28		Southern Source Survey b -60° to	11-C 2 horn.
Wed 29		-90°	Sch, Cs, 1 c/r, RIDL, PDP9,
Thu 30			X-Yp, 1 c/m, T/p&p
OCTOBER			
Fri 1	C/m, d/c		
Sat 2			
Sun 3		BOLTON, WALL, SHIMMINS	
Mon 4	C/m		
Tue 5			
Wed 6		Circular Polarization of Sources	21-C "Zeeman Feed"
Thu 7		including Jupiter	H/P, Cs, 1 c/r, PDP9.
Fri 8	C/m, d/c		
Sat 9		ROBERTS, RIBES, MURRAY	
Sun 10			
Mon 11		END OF QUARTER OCTOBER SHUTDOWN	