

A1/3/11(u)

C. S. I. R. O. - DIVISION OF RADIOPHYSICSAllocation of Telescope Observing Time at Parkes Observatory2nd Quarter 1971

The quarter begins on Tuesday, 13 April 1971, with the telescope overhaul. It is expected that Saturday, Sunday and Monday nights (April 17-19) will be available for 21 cm observations during the overhaul period. (See programme).

Heavy demands for time have caused almost all requests for observations to be reduced. Unfortunately, the 5 nights requested by Dr. Slee and Messrs. Higgins and Cole for pulsar observations and the 3 nights by Dr. Robinson and Mr. Sinclair for thioformaldehyde search have had to be postponed until the next quarter.

Note that in the period for the 3.4 cm receiver (May-June) a number of groups have to share time as can best be arranged.

The usual instructions on accommodation at the Quarters and the Parkes Observatory Observers' Car are to remain as in the 1st Quarter.

The following abbreviations are in use:-

Numeral on first line refers to receiver wavelength,  
e.g. 6 = 6 cm.

Numeral- $\ell$  : line receiver of particular wavelength.

Numeral-C : continuum receiver at that wavelength.

Numerals 1, 10, 33.3, 100 on second or later lines refer to filter bandwidths in kHz.

H/P, Sch. : Hewlett-Packard, Schlumberger frequency synthesizers.

Cs : Caesium frequency standard

c/r : Chart recorder

X-Yp : X-Y plotter

c/m : C.R.O. monitor

T/p&p : Teleprinter and punch

C/m : Computer maintenance

d/c : Desk check

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

Allocation of Telescope Observing Time at Parkes Observatory

2nd Quarter 1971

Date 1971	Day 08 <sup>h</sup> - 13 <sup>h</sup>	13 <sup>h</sup> - 24 <sup>h</sup> - 08 <sup>h</sup>	Equipment Required
APRIL			
Tue 13		Telescope Overhaul	
Wed 14			
Thu 15			
Fri 16			
Sat 17			
Sun 18			* [Mods to noise balance]
Mon 19	C/m	17 <sup>h</sup> HI Absorption <u>GARDNER, WHITEOAK</u>	21-λ Single, Skyhorn, pol. switched. H/P, Sch, Cs, 10, 33, 100. 1 c/r, RIDL, * PDP9, X-Yp, 1 c/m, T/p&p
Tue 20		Galactic OH Survey 300° ≤ λ ≤ 350° (1665, 1667 MHz)  <u>ROBINSON, CASWELL</u>  { Carina region at 1667 MHz } { H. DICKEL, WALL } before 10 <sup>h</sup> S.T.	18-λ (1640-1690) ⊙ pol. H/P, Sch, Cs, 1, 10. 1 c/r, RIDL, PDP9, X-Yp, 1 c/m. Cold load.
Wed 21			
Thu 22			
Fri 23	C/m, d/c		
Sat 24			
Sun 25			
Mon 26	C/m		
Tue 27		Venus. J. DICKEL (if possible)	
Wed 28		Installation 6 cm receiver - <u>COOKE</u>	
Thu 29		Line Observations: CH <sub>2</sub> O, H 109α  <u>WHITEOAK, GARDNER</u>  { Carina region } { H. DICKEL, WALL } 3 x 2 hr. periods	Absorber to be installed. 6-C, λ. 2HE feed.
Fri 30	C/m, d/c		
MAY			
Sat 1			
Sun 2			
Mon 3	C/m		
Tue 4			
Wed 5			
Thu 6			
Fri 7	C/m, d/c		
Sat 8			1st night: offset horn, paramp retune. H/P, Sch, Cs, 10, 33, 100. 1 c/r RIDL, PDP9, X-Yp, 1 c/m, X-Yp, T/p&p.
Sun 9			cold load.
Mon 10	C/m	H109α from cool gas. <u>CASWELL</u>	6-λ. 2HE feed. Cold load.
Tue 11		Magellan Clouds H, He, 109α, H137β	Back end req. as above.
Wed 12		<u>McGEE, NEWTON</u>	

Kevin is Sydney for 1 ech.

Date 1971	Day 08 <sup>h</sup> - 13 <sup>h</sup>	13 <sup>h</sup> - 24 <sup>h</sup> - 08 <sup>h</sup>	Equipment Required
MAY Thu 13		Line Search	6- $\lambda$ as above.
Fri 14	C/m, d/c	RIBES, SINCLAIR, <u>GARDNER</u>	
Sat 15			
Sun 16			
Mon 17	C/m	Source Positions, Zenith Strip	6-C + offset feed.
Tue 18		$\delta$ Zone -35° to -45°	Cs, 1 c/r, PDP9, X-Yp,
Wed 19		<u>BOLTON</u> , SHIMMINS, WALL	1 c/m, T/p&p.
Thu 20			
Fri 21	C/m, d/c	SNR Polarization	6-C. 1 HE. 1 x cold load.
Sat 22		<u>MILNE</u> , DICKEL	2 x pol.
Sun 23			1 c/r, PDP9, T/p&p.
Mon 24	C/m	Installation 3.4 cm Receiver	
Tue 25		KERR, BATCHELOR, COOKE	Absorber to be installed.
Wed 26		Southern Milky Way H, He 90°	3.4 -C, $\lambda$ . Feed to be selected.
Thu 27		Magellan Clouds - Preliminary Survey	Cold load. H/P, Sch, Cs,
Fri 28	C/m, d/c		1, 10, 33, 100. 1 c/r.
Sat 29		KERR, BATCHELOR,	RIDL, PDP9, X-Yp, 1 c/m,
Sun 30		<u>McGEE</u> , NEWTON	T/p&p.
Mon 31	C/m	Pulsar Observations	Own 75 and feed.
JUNE Tue 1		HAMILTON (Uni. of Tas.), <u>ABLES</u>	requires 1 ft. clearance at feed pan.
Wed 2			3.4 rec. to stay in position.
Thu 3			Same back-end as above.
Fri 4	C/m, d/c		
Sat 5		* SNR Mapping	3.4 -C. pol.
Sun 6		MILNE, DICKEL, <u>ABLES</u> , KERR	1 c/r, PDP9, T/p&p.
Mon 7	C/m	+	
Tue 8		Dish, Feed Evaluation	* Three groups to fit in as required.
Wed 9		YABSLEY, THOMAS, MONTICONE.	
Thu 10		+	
		Fe Line Sun, MURRAY.	3.4- $\lambda$ . Back end as previously
Fri 11	C/m, d/c	Galactic OH Survey	18- $\lambda$ . $\odot$ pol. (1590-1730)
Sat 12			H/P, Sch, Cs, 1, 10. 1 c/r,
Sun 13		300° $\leq \lambda \leq$ 350°; 1612, 1720 MHz	RIDL, PDP9, X-Yp, 1 c/m.
Mon 14	C/m	CASWELL, <u>ROBINSON</u>	Cold load.
Tue 15			

*Kerr's  
Nights*

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JUNE Wed 16 Thu 17 Fri 18 Sat 19 Sun 20	C/m, d/c	Circular Polarization Search (N. T. Sources + Jupiter)  RIBES, <u>ROBERTS</u> , MURRAY	21-C. "Thomas" feed, Switched circular pol. H/P, Cs, 1 c/r, RIDL, PDP9, X-Yp, 1 c/m, T/p&p.
Mon 21	C/m		
Tue 22 Wed 23 Thu 24		HI around SNR's - AD 1006, 3C 396 Puppis, Vela, Kepler, 0902-38, 1209-51, 2. <u>J. DICKEL</u>	21- <u>l</u> . H/P, 10, 33. 1 c/r, RIDL, PDP9, X-Yp, 1 c/m, T/p&p
Fri 25 Sat 26 Sun 27		HI Absorption  <u>RADHAKRISHNAN</u> , MURRAY BROOKS.	21- <u>l</u> . + Interf. N-S. H/P, Sch, Cs, 1, 10, 33. 1 c/r, RIDL, PDP9, X-Yp, 1 c/m, T/p&p.
Mon 28 Tue 29 Wed 30 JULY Thu 1 Fri 2 Sat 3 Sun 4	C/m   C/m, d/c	<i>Kanka is Sydney</i>	

END OF QUARTER