CSIRO - DIVISION OF RADIOPHYSICS

Cooke Porton

## ALLOCATION OF TELESCOPE OBSERVING TIME AT PARKES RADIO OBSERVATORY

## SECOND QUARTER 1974

- 1. DURATION The quarter starts at 0800 hours on Tuesday, 2 April 1974 and will finish at 0800 hours on Monday 1 July 1974.
- 2. SHUTDOWN The first two weeks of the quarter will be taken up by the telescope overhaul shutdown and the Easter holidays.
- 3. FORMAT Please note:
  - (a) Day time on Tuesdays, Wednesdays and Thursdays is allocated to the Officer-in-Charge, Parkes. The additional day of Thursday has been added to establish more time for computer development.
  - (b) The computer maintenance time  $\binom{C}{m}$ , extends from 0800 to 1630 hours.
  - (c) In the final column the times for computer development are 0800 to 1300 hours, unless otherwise specified by the observers. Please check if any of the times set down conflict with observing plans and contact the secretary if adjustments are necessary.
- 4. OBSERVATION TIMES The A.E.S. Times available for observations are:

Monday 1630 - 0800
Tuesday, Wednesday, Thursday,
Friday 1300 - 0800
Saturday, Sunday 0800 - 0800

If the period 0800 - 1300 hours on Tuesdays to Thursdays is not needed for maintenance purposes, the Officer-in-Charge may allow observations (provided a suitable alternative period of not less than four consecutive hours has been made available for the scheduled PDP9 program developer on those days).

- 5. CHANGES TO THE PROGRAM Any other changes to this program must be approved by the Secretary, P.P.C., who will notify the Officer-in-Charge and Operations Manager at Parkes.
- 6. COMPLETION OF AN OBSERVING NIGHT Observers are expected to have organised their observations so that the telescope control desk, the computer and other equipment will be available for maintenance, testing and/or other use at or before 0800 hours on Mondays to Fridays.
- 7. 18 METRE TELESCOPE The following periods seem to be convenient for observations with the 18m telescope:

Wednesday, 24 April - Wednesday 1 May 8 days - allocated to J.D. Murray Wednesday, 15 May - Thursday 30 May 16 days - 7 days allocated to M.N. Cleary

8. SOME ABBREVIATIONS IN USE

Numerals (21, 73, ....) refer to wavelength in cm (\$\mathcal{l}\$: line) (c: continuum)

C/m : computer maintenance c/r : chart recorder d/c : desk check

D.A. : duty astronomer, underlined in the program but not necessarily the first named, who is

regarded as running the show.

H-P, Schl. Synth. : Hewlett-Packard, Schlumberger Synthesizers

P.T.U. : Pulsar timing unit

Sw. : Sweeper (e.g. L-band sweeper)

Cont. : Continuum

Correl. : digital correlator

ACCOMMODATION - Accommodation at the quarters is available from the night before an observing or installation starts.

Any person whose name has not been listed in the program and who requires accommodation must first obtain permission of the Group Secretary before approaching the administration section for tickets and arrangements.

10. TIMES FOR MEALS - Please write your meal requirements in the book in the dining room.

Breakfast : 0730 - 0900

Lunch : 1230 Dinner : 1745

R.A. Batchelor

D.J. Cooke

M.M. Komesaroff

R.X. McGee

B.J. Robinson

PROGRAM PLANNING COMMITTEE

98 <sup>h</sup> -13 <sup>h</sup>	13 <sup>h</sup> - 24 <sup>h</sup> - 08 <sup>h</sup> END OF FIRST QUARTER  TELESCOPE  OVERHAUL  21cm receiver installati	Requirements Other	Front End	Back End	Multipliers	Equipment	Processing	Program	Requirements	Program Development
	TELESCOPE OVERHAUL	ion								
	OVERHAUL	ion								
	21cm receiver installati	ion								
	Murray			·				-		
	Dish Survey Yabsley, et al									
	EASTER SHUTDOWN									
O.I.C.	GARDNER	21 hybrid	21-£ no switch	Correl.	H-P Synth + Tripler	<b>10.</b>	PDP9	CORLAT	-	† Haslam † 0930-1430 †
d/c, <sup>C</sup> /m	Spiral Str., H.U Clouds  MURRAY  Cleary (A.N.U.)	21 hybrid L-band absorber	21-£	Correl.	H-P Synth Avante K amp in focus	detectors	PDP9	CORLAT		
Pa	r	GARDNER  rkes (WINNEWISSER, M.P.I.)  , C/m Spiral Str., H.U Clouds  MURRAY	GARDNER  rkes (WINNEWISSER, M.P.I.)  , C/m Spiral Str., H.U Clouds 21 hybrid  MURRAY L-band	GARDNER  rkes (WINNEWISSER, M.P.I.)  , C/m Spiral Str., H.v Clouds 21 hybrid 21-l  MURRAY L-band	GARDNER  (WINNEWISSER, M.P.I.)  , C/m Spiral Str., H.U Clouds 21 hybrid 21-l Correl.  MURRAY L-band	GARDNER  (WINNEWISSER, M.P.I.)  C/m Spiral Str., H.U Clouds 21 hybrid 21-L Correl. H-P Synth  MURRAY  L-band  Avante K amp	GARDNER  (WINNEWISSER, M.P.I.)  C/m Spiral Str., H.U Clouds 21 hybrid 21-L Correl. H-P Synth L-band Sw.  MURRAY  L-band Avante K amp L-,K-wavem.	GARDNER (WINNEWISSER, M.P.I.)  C/m Spiral Str., H.U Clouds 21 hybrid 21-L Correl. H-P Synth L-band Sw. PDP9  MURRAY Cleary (A.N.U.) absorber  no switch (Filters)  Correl. H-P Synth L-band Sw. PDP9  Avante K amp L-,K-wavem. in focus detectors	GARDNER (WINNEWISSER, M.P.I.)  C/m Spiral Str., H.U Clouds 21 hybrid 21-L Correl. H-P Synth L-band Sw. PDP9 CORLAT  MURRAY Cleary (A.N.U.) absorber  no switch (Filters)  Correl. H-P Synth L-band Sw. PDP9 CORLAT  Avante K amp L-,K-wavem. in focus detectors	rkes (WINNEWISSER, M.P.I.)  C/m Spiral Str., H.U Clouds 21 hybrid 21-L Correl. H-P Synth L-band Sw. PDP9 CORLAT  MURRAY L-band absorber in focus detectors  Cleary (A.N.U.)

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DATE 1974	DAY 08 <sup>h</sup> -13 <sup>h</sup>	13 <sup>h</sup> - 24 <sup>h</sup> - 08 <sup>h</sup>	Feeds, Focal Plane Requirements			L.O. Pumps Phase Locks	Test	Data	Computer	Installation Driving Requirements	Computer
APRIL/MA		13 - 24 - 00	Other			Multipliers	Equipment	Processing	Program	Remarks	Program Development
Mon 22 Tues 23					egene de versie kompeten versie de de versie versie de versie versie versie versie versie de versie versie de versie versie versie de versie v						
Wed 24 Thur 25		·									
Fri 26 Sat 27											
Sun 28 Mon 29											
Tues 30											
Wed 1											
Thur 2		Installation	6 2HE	6-c							
Fri 3	d/c,C/m	COOKE, BUTLER	2 horns		ļ						
Sat 4 Sun 5		Background meas. WALL,	6 2HE 2 horns	6-c	Cont.	-	-	PDP9	Own	24 hour where	
Mon 6	C/m	COOKE								possible	
Tues 7	0.i.C	Formaldehyde line, 4 - 83 GHz	6 1HE absorber	6-l no	Correl.	Usual	<b>-</b>	PDP9	CORLAT OPTY		† HAYNES
Thur 9	Parkes	·		switch	(filters				(LINE)		↓ 08 <sup>h</sup> -13 <sup>h</sup>
Fri 10	d/c,C/m	WHITEOAK,									
Sat 11		GARDNER									
Sun 12							*. ₽*				
								s.			

9		DATE	DAY -	h h h	Feeds, Focal Plane	Receiver	S	L.O. Pumps Phase Locks	Test	Data	Computer		Computer
ą		1974 MAY/JUNE	08 <sup>h</sup> -13 <sup>h</sup>	13 <sup>h</sup> - 24 <sup>h</sup> - 08 <sup>h</sup>	Requirements Other	Front End	Back End	Multipliers	Equipment	Processing	Program	Requirements Remarks	Frogram Development
	•	Mon 13	C/m	Formaldehyde	6 LHE	6-l	÷.					,÷	
		Tues 14	o.i.c	(cont.)	absorber								† WALL
	*	Wed 15		Gal. plane map	6 2HE	6-c ;	Continuum	usual	CRO (DC)	PDP9	STAKFL		
	*	Thur 16	Parkes	HAYNES	lin. pol	·					MAPING		+
	*	Fri 17	d/c/,C/m	CASWELL	Cold load Sw.						(own)		
	*	Sat 18		Flux densities SGP	6 2HE	6-c	Cont.	-	<del>-</del>	PDP9	own		
	*	Sun 19		sources	2 horns								
	*	Mon 20	C/m	WALL, SHIMMINS									enterprisente sens e enterprisente de propieto de la propieto del la propieto de la propieto del la propieto de la propieto del la propieto de la propieto d
	*	Tues 21	O.i.C	E galaxies	6 2HE	6-c	Cont.	-	_	PDP9	own		† HUNT
:	*	Wed 22		WALL, DISNEY (ANU)	2 horns			·	·	·			08 <sup>h</sup> -13 <sup>h</sup>
	*	Thur 23	Parkes	Galactic point	6 2HE	6 <b>-c</b>	Cont.	usual	CRO (DC)	PDP9	STAKFL		+
	*	Fri 24	d/c, C/m	sources	lin. pol.			·			MAPING		·
	×	Sat 25		CASWELL, HAYNES	cold load	. :					(own)		
	*	Sun 26		CLARK (Uofsyd.)	switching	: .		·					
:		Mon 27	C/m										
ENU -		Tues 28	o.i.c	Up-converter tests	18 horn	6-l	Correl.	3 GHz phase	c/r, CRO	PDP9	CORLAT		† HAMILTON
Jence Cali		Wed 29		ROBINSON, GODFREY		tuned to		locked pump			OPTY		
Source.		Thur 30	Parkes	(SINCLAIR)	absorber	4-8 GHz					PRECN		<b>¥</b>
		Fri 31	an entre programme and the second	nagenti krypter att kritiste gentlich den Menerale Med Ausverzusen aus den krypte den krypte den für	yayayay ing mahamayar da ara da ara ara ara ara ara ara ara			Communicacy Commun					
		Sat 1											
		Sun 2									:		

<sup>\* 18</sup> metre telescope

DATE 1974	DAY 08 <sup>h</sup> -13 <sup>h</sup>	13 <sup>h</sup> - 24 <sup>h</sup> - 08 <sup>h</sup>	Feeds, Focal Plane Requirements Other			L.O., Pumps Phase Locks	Test	Data	Computer	Installation, Driving	Computer
JUNE	08 -13	13 - 24 - 08		Front end	Back end	Multipliers	Equipment	Processing	Program	Requirements Remarks	Program Development
Mon 3	C/m	Pulsar Search	18 dual	18	own	Standard	CRO	PDP9	own	1, 2 half	
Tues 4	0.1.C.		circ. pol.	2 chann.			VTVM	C/r		drivers	<b></b>
Wed 5		KOMESAROFF,					Power meter				
Thur 6	Parkes	ABLES,									
Fri 7	d/c, <sup>C</sup> /m	HAMILTON (U. of T.)		·							
Sat 8		McCULLOCH (U. of T.)									
Sun 9											
Mon 10	C/m	OH ingalaxies	18 orthog.	18-L	Correl.	usual	-	PDP9	CORLAT	App.	1
Tues 11	0.I.C.	,	probe feed	1612					OPTY		HAYNES
Wed 12		GARDNER,	absorber	1720 MHz	(filters)				(LINE)		08 <sup>h</sup> -13 <sup>h</sup>
Thur 13	Parkes	WHITEOAK									+
Fri 14	d/c, <sup>C</sup> /m	OH in Coalsack	18 linear	18-L	Correl.	own T/T	L-band	PDP9	CORLAT		
Sat 15		BROOKS,	pol.	dual	(1024ch)		sweeper				
Sun 16		MANEFIELD,	L-band	channel			power met.			i .	
Mon 17	C/m	SINCLAIR	absorber		(filters)				(LINE)		
Tues 18	0.I.C.							!			HUNT (01h-
Wed 19		Galplane survey	18	18-2	Correl.	usuaĺ	-	PDP9	CORLAT		05 <sup>h</sup> - 12 <sup>h</sup>
Thur 20	Parkes	1720 MHz	circular pol.	dual chan.					STAKFL		
Fri 21	d/c, <sup>C</sup> /m			1720 first							
Sat 22		CASWELL, HAYNES		1612 later							
Sun 23										-	

ø.	'DATE 1974	DAY	13 <sup>h</sup> - 24 <sup>h</sup> - 08 <sup>h</sup>	Feeds, Focal Plane	Recei	vers	L.O. Pumps Phase Locks	Test	Data	Computer	Installation, Driving	Computer Program
	JUNE	08 <sup>h</sup> -13 <sup>h</sup>	13 24 00	Requirements Other	Front End	Back End	Multipliers	Equipment	Processing	Program	Requirements Remarks	Development
<b>1</b>	Mon 24	C/m	Pulsar scintil- lations	18 circular	18-C,(1)	Filters	Usual for	<b></b> -	PDP9	DSRUN	-	
	Tues 25	0.1.C.	ABLES, ROBERTS	pol.		(1 kHz)	line + synth				·	<b>↑</b> –
Kev.	Wed 26						for P.T.U.					
tdew	Thur 27	Parkes	Pulsar scintillations	48	48	Filters	L.O. multipl	ier -	PDP9	DSRUN	••	+
L	Fri 28	d/c, C/m	- dynamic spectra	circular	(630 MHz)	(1 kHz)	Schl. + 18cm		i			
	Sat 29		ABLES, ROBERTS	pol.			amplifier +		ļ			
	Sun 30			(92 {?} if av	ailable)	,	synth. for PT	3				

Sudary July.

END OF QUARTER