D Cooke

CSIRO - DIVISION OF RADIOPHYSICS

ALLOCATION OF TELESCOPE OBSERVING TIME AT PARKES RADIO OBSERVATORY

1. Duration

The quarter starts on Tuesday 1 April 1975 with the nine day April overhaul period and finishes at 0800 hours on Tuesday 1 July 1975.

2. Maintenance and Development Time

(a) Computer Maintenance (c/m) : 0800-1300 hours, Mondays and Fridays

(b) The periods 0800-1300 hours on all Tuesdays, Wednesdays and Thursdays are allocated to the Officer-in-Charge, Parkes. Unless otherwise (privately) arranged Computer Program Development Time (in minimum periods of four hours) is allocated in these three periods each week.

(c) Desk check (d/c) : 0800-1300 hours Fridays.

3. Completion of an observing night

Observers are expected to have organized their observations so that the telescope control desk, the computers and peripherals will be available for maintenance, testing or use at or before 0800 hours on every week day.

4. Modification of the Program

Any change in this program must be approved by the secretary, Program Planning Committee. He will notify the Officer-in-Charge and the Operations Manager at Parkes.

5. Accommodation

Accommodation at the quarters is available from the night before an observing or installation session starts. Any person whose name has not been listed on the program must first obtain permission from an appropriate authority before approaching the Administration Section for tickets and travel arrangements.

It is advisable to make sure that the Observatory has been advised of your arrival time. These precautions are important in this quarter especially in mid-May, when visitors will be in Parkes for the ASA 1975 annual general meeting.

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6. Time for Meals

Please make an effort to be on time for meals. The book in the dining room is to let Mrs Harris and staff know whether you require a meal or not.

Breakfast	: 0730 - 0900
Lunch	: 1230
Dinner	: 1745

7. Wind Instructions

Instructions for the operation of the telescope in wind are found on the Notice Board in the Control Room. The action to be taken is the responsibility of the telescope driver. The current state of an observation is not one of the factors influencing his decision.

8. Daytime Driving

If observations are being made on week days in the times 0800-1640 hours, telescope driving will be performed by the first half driver of the previous night. Observers must make arrangements to obtain the driver's services.

9. Equipment Performance Summary

As part of an effort to improve operating conditions at the Observatory, the Operations Manager has issued a form "Equipment Performance Summary". In it he asks the observer to report on performance, time lost and other details of the receiver, cryogenics, correlator, PDP-9, control, mechanical operation and the weather. It is in your own interests to fill in the form at the completion of your session.

10. Method of Time Allocation

A refereeing system using three referees from the Laboratory staff was used to review the applications for observing time. A list of criteria was given to each referee to enable him to judge the "scientific merit" of a proposal. In the absence of the Group Leader, the Program Planning Committee averaged the three judgments and found :

4	proposals rated	A	)
6		A-	)
11		B+	) excluding "service" proposals such as the Telescope
7		B	) Drive System
1		B-	)

cont../3

10. Method of Time Allocation (cont.)

Initially it was possible to fit in the A, A- and B+ applications with the full times as requested. However some 'B' applications had been "committed" higher up and on instructions had to be fitted in at the expense of one B+ and reduction in time on other applications.

11. 18 metre Time

No 18 metre time has been allocated yet. The Program Planning Committee awaits a decision on the applications by Ph.D. student, Miss M. Cleary, Australian National University, and Professor F.J. Kerr, University of Maryland.

R.X. McGee,
Secretary
Program Planning Committee

26 March 1975

DATE 1975 MARCH	DAY 08^h-13^h	13^h-24^h-08^h	Feeds, Focal Plane Requirements Other	Receivers		LO, Pumps Phase Locks Multipliers	Test Equipment	Data Processing	Computer Program	Installation, Driving Requirements Remarks	Computer Program Development
				Front End	Back End						
Fri 28											
Sat 29		EASTER									
Sun 30		SHUT-DOWN									
Mon 31											
APRIL											
Tues 1											
Wed 2											
Thur 3											
Fri 4		APRIL									
Sat 5											
Sun 6		SHUT-DOWN									
Mon 7											
Tues 8											
Wed 9	O-i-C										
Thur 10	Parkes	X-Ray Sources, Close	NODDY 6	6-c				on line	STAKFL	Scanning	*
Fri 11	d/c, c/m	Binaries	Ref at F/A						NODDY	Wagging	*
Sat 12	Proxima Centauri and other flare stars		90^o			[Allocated subject to no changes			POINT	Drivers needed	*
Sun 13	SLEE, R. ROBINSON		Beam switch			being made to Seaquist arrangement]				all weekend	*
Mon 14	c/m										*
Tues 15	O-i-C	SEAQUIST									*
Wed 16											HUNT *
Thur 17	Parkes	Galactic Plane	2 HE 6.	6-c	Continuum + Correlator 2 quads 256 Ch.		D.C. CRO.	PDP-9 HP 45	MAPING INDEX CORCON MAPFRM SPCTRA or CORLAT	24 hr. driving where possible	
Fri 18	d/c, c/m	survey	Cold load	(5 GHz) Cal. 5K							
Sat 19		HAYNES, SIMONS (CASWELL)									
Sun 20											
Mon 21	c/m										
Tue 22	O-i-C										
	Parkes										

DATE 1975 APRIL	DAY 08^h-13^h	13^h-24^h-08^h	Feeds, Focal Plane Requirements Other	Receivers: Front End	Receivers: Back End	LO, Pumps Phase Locks Multipliers	Test Equipment	Data Processing	Computer Program	Installation, Driving Requirements Remarks	Computer Program Development
Wed 23	O-i-C	Searches for vinyl	L f 6	6 - ℓ	100,33 kHz	ϕ locked L.O.	C/R, CRO	PDP9	LINE		WRIGHT
Thur 24	Parkes	amine and acetone		(4.4 GHz)	filters				(Version 2)		SAVAGE
Fri 25	d/c, c/m	BLACKMAN, BROWN	1 HE 6	6 - ℓ					LINRED		
Sat 26	CROFTS (Monash U.) ROBINSON			(5.27 GHz)							
Sun 27	(JOHNSON [USBS])		Cold load								
Mon 28	c/m	Planetary	1 HE 6	6 - c	continuum			PDP-9	own	Driver reqd.	*
Tues 29	O-i-C	Nebulae	Cold Load Ability to ch.to total power							all observing	*
Wed 30		MILNE								time	COOKE *
MAY											*
Thur 1	Parkes	H_2CO Mapping of	1 HE 6	6 - ℓ	Correlator	ϕ locked L.O.	C-band Sw.	PDP-9	CORLAT		*
Fri 2	d/c, c/m	globules		(4.83 GHz)	4 quadrants	H-P,Schl.Synth.	5 GHzWave-meter	HoustonPlot	OPTY		*
Sat 3	GOSS SINCLAIR, BROOKS		Total power		2 x 512 ch		Freq counter	Printer			*
Sun 4							Power meter				*
Mon 5	c/m	Line Obs. 4.83-4.916	1 HE 6	6 - ℓ	Correlator	H.P. Synth.		PDP-9	CORLAT		
Tues 6	O-i-C	GHz	Total power	(4.8-4.9GHz)	4 quads.	2 freq.selec-			CORTRN		WRIGHT
Wed 7		(GARDNER), WHITEOAK, OTRUPCEK		Cal. 6-10K	+ filters	tor box					SAVAGE
Thur 8	Parkes	Line Obs. 4.57-4.75 GHz	Tapered horn	6 - ℓ					LINE		
Fri 9	d/c, c/m	WHITEOAK	at 4.6 GHz centre	(4.6-4.8 GHz)							
Sat 10	(GARDNER), (WINNEWISSER (MPI))		total power								
Sun 11	OTRUPCEK			Cal. ~ 10K							
Mon 12	c/m	S.Sources, BOLTON	2 HE, 6 +	6 - c (1K (cal.	Standard			PDP-9	own		
		SAVAGE, WRIGHT	offset								

DATE 1975 MAY	DAY 08^h-13^h	13^h-24^h-08^h	Feeds, Focal Plane Requirements Other	Receivers: Front End	Receivers: Back End	LO, Pumps Phase Locks Multipliers	Test Equipment	Data Processing	Computer Program	Installation, Driving Requirements Remarks	Computer Program Development
Tue 13	O-i-C	Acousto-optic spectro-	2 HE 6		own			PDP-9	own		
§ Wed 14		graph noise tests		(5 GHz)							HUNT
§ Thur 15	Parkes	COLE, BATCHELOR									
§ Fri 16	d/c, c/m	Pulsar SNR Assns,	1 GHz feed	1 GHz up-conv-	Mk II line	6 cm L.O. system	Tek CRO	PDP-9 +	own	will assist	
Sat 17		ABLES, HAMILTON	Computer sw.	erter (MWS)	+ 64 input	Need not be	(high	peripherals		with	
Sun 18			Cal and remote	+ 6cm R_x as	1 bit dig-	locked	sensitivity)	+		installation	
Mon 19	c/m		attenuator	I.F.	itizer		Chart	Kennedy			
Tue 20	O-i-C			4 GHz GR Osc	system		recorder	tape recorder			
				as pump	(own)						
Wed 21		Installation R_x and	1.8	16.65 GHz	Correlator	ϕ locked 1 LO	C/R, CRO	PDP-9	CORLAT	No observers	--
Thur 22	Parkes	search for	new feed	Cooled mixer		at 11.65 MHz			LINE	for at least	
Fri 23	d/c, c/m	1_{11}-0_{00} line NH_2CONH_2		+ 6 cm R_x	100 kHz	ϕ locked 2 L.O			LINRED	24 hours	
Sat 24	BALISTER, BROWN, GODFREY,		CV 3 Absorber	as I.F.	filters	at 4.7. 5.3			?SPCTRA		
Sun 25	STOREY (Monash) (ROBINSON)					GHz					
Mon 26	c/m	HCCCN Line BALISTER	1.65	18.2 GHz	Correlator	As required		PDP-9	SPCTRA	+ HUNT	SPCTRA software
Tue 27	O-i-C Parkes	McGEE NEWTON BUTLER		+ 6 cm I.F.	512,256 at 10MHz (+MkII)				CORLAT LINE	Check out	
Wed 28	Telescope Drive	18h H_2O vapour	1.3	1.3 - ℓ	Correlator	X-13 klyston			CORLAT	Technical	HAMILTON *
Thur 29	System HAMILTON	High vel. survey		Cooled mixer	4 quadrants				STAKFL	driver 1st day	*
Fri 30	d/c, c/m	TRETT, GOSS, KNOWLES		+ 6 cm R_x							*
Sat 31	BALISTER, BATCHELOR,			as I.F.							*
JUNE Sun 1	WELLINGTON										*
Mon 2	c/m	Installation R_x	21	21 - ℓ	MURRAY COOKE and STAFF						*
Tue 3	O-i-C	Southern Sky Survey	Hybrid 21	21 - ℓ	Correlator	HP Synth.	Sweeper	PDP-9	SPCTRA	Tech.man 1st ½	- *
Wed 4	Parkes	Globular clusters, Disk HI				20 cm Multiplier	wave meter				*

§ ASA 1975 Annual General Meeting

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Thur 5		KERR, BOWERS, KERR								Galactic	*
Fri 6	d/c, c/m	MURRAY								coordinate	*
Sat 7	Included in this allocation:		(Software checkout - HUNT							tracking	*
Sun 8			(Internal Reflections - MURRAY				CRO, polaroid camera, L band and lower sweepers				*
Mon 9	c/m	HI Absn in front of	21 Horn	21 - ℓ	1,33 kHz	ϕ locked L.O.	Tek. CRO	PDP-9 +	DSRUNX	will assist in	
Tues 10	O-i-C Parkes 18h	distant pulsars	linear pol.		filters	using Schlumb-	(high sens.)	peripherals	(own)	installation	
Wed 11	Telescope drive	ABLES, HAMILTON	Switched		PDP-9 inter-	erger, NOT	Chart rec.			if needed	COOKE
Thur 12	System TRETT	MANCHESTER	10K cal		face	H.P. Synth.					
Fri 13	d/c, c/m	408 MHz Survey	73 circ.	73 MPI	MPI Polari-	Synthesizer +	408 MHz	PDP-9	LOG 408	6°/min ZA	*
Sat 14	HASLAM, CLEARY (ANU), COOKE,		Vertex dipole	Liquid N_2	meter +	NIXBCD display	sweeper		DEC 408	6°/min ME	*
Sun 15	WILSON (MPI), DAY		415 MHz helix, 16 db pad	load	digital	box	400 MHz counter			scans	*
Mon 16	c/m	11 cm ® pol tests	1HE 11 (4½inch)	11-c	"Standard"		Sweeper, powermeter CRO	PDP-9			*
Tues 17	O-i-C	KOMESAROFF, ROBERTS, COOKE	"Pol.config."								*
Wed 18		Installation R_x	18	18	COOKE and staff						WRIGHT *
Thur 19	Parkes	1667 OH Grid	18 2-probe W/G	18 dual	Correlator	"usual"	Sweeper	PDP-9	CORLAT		SAVAGE *
Fri 20	d/c, c/m	survey	(NOT turnstile	(1666 MHz)	2 Samplers & I.F.	2 attenuators with 0.1 db	CRO	HP 45	SPCTRA		*
Sat 21	CASWELL, HAYNES, GOSS		hyb.) Rotatable		4 quads 2' MHz	steps at cor-			STAKFL		*
Sun 22			dipole radiator at vertex	0 pol at IF.		relator input			CORCON		*
Mon 23	c/m	Interstellar Scintillations	18	18	1 kHz						
Tues 24	O-i-C	18 cm OH sources	dual circular		filters						
Wed 25		ROBERTS, ABLES, KNOWLES									
Thur 26	Parkes	Pulsar Rotation measures	continued								HAMILTON *

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				Front End	Back End						
Thur 26	O-i-C Parkes	Pulsar Rotation measures	18 with orthogonal probes	18 dual	own	Schlumb., H/P Synth. ϕ lock for 18 cm system	CRO Chart recorder	PDP-9	own	Require equal cable lengths focus-radio room	HAMILTON *
Fri 27	d/c, c/m										*
Sat 28	MANCHESTER, ABLES										*
Sun 29	HAMILTON, McCULLOCH (U/Tas)						(Needs to retune paramps for radio room)				*
Mon 30	c/m	Lines 1720 WHITEOAK (GARDNER)	18 'standard'	18 dual	Correlator filters	'Standard'		PDP-9	CORLAT (LINE)		
				E N D O F Q U A R T E R							