

"E. White .

PARKES PROGRAMME FOR THE PERIOD
19 MARCH, 1987 to 23 JUNE, 1987

THIS PROGRAMME REPLACES ALL PREVIOUS PROGRAMMES
ISSUED FOR THIS PERIOD.

TIME IS ALLOCATED TO OBSERVERS AS SHOWN IN THE PROGRAMME SUBJECT
TO THE FOLLOWING:

1. Until the onset of a major radio flare from SN 1987a blocks
of time as set out below will be taken for monitoring. The actual
times of these observations will be negotiated with the observers
by the Director.

Monitoring will consist of:

- (a) Searches for pulsed emission by Ables et al.
One 6 hour block each two weeks.
- (b) Searches for continuum radio emission using the Parkes-
Tidbinbilla interferometer on days and at times determined by
the availability of the Tidbinbilla antenna etc, averaging
1.5 hours/day, with a minimum block size of 3 hours.
- (c) Searches for OH maser emission by Gardner et al.
Two blocks each of 4 hours of LMC time during the time
allocated to te Lintel et al. (April 13-20, and April 27-
May 7), and one block of 4 hours during the time allocated to
Duncan et al. (May 21, 22).

2. If and when a major radio flare begins this programme will be
replaced by a program emphasising observations of the flare. The
initial version of this alternate program is based on the
proposals received by March 6. FURTHER PROPOSALS TO OBSERVE THE
SUPERNOVA, AND REVISIONS OF THE ORIGINAL PROPOSALS, ARE INVITED.
IT IS ENVISAGED THAT THE ALTERNATE PROGRAM WILL BE CONTINUALLY
REVISED IN THE LIGHT OF THE APPLICATIONS RECEIVED AND CHANGES TO
THE AVAILABLE EQUIPMENT.

J.A.Roberts
Chairman,
Parkes Time Assignment Committee
10 March, 1987

AUSTRALIAN NATIONAL RADIO ASTRONOMY OBSERVATORY

P O BOX 276 PARKES. NSW 2870 Tel (068) 62 3677 TLX "QASER" AA63999

C.S.I.R.O., Division of Radiophysics

OBSERVING SCHEDULE FOR 1987, QUARTER 2

1. DURATION

The duration starts at 0800 hrs on Thur 19 Mar
and ends 0800 hrs on Wed 24 June.

The times listed are in Eastern Civil
Time (i.e. either Standard Time or Summer
Time as appropriate).

***** NOTE *****
* * * * *
* CLOSING DATE FOR APPLICATIONS FOR TIME *
* FOR 3rd QUARTER IS 24 APRIL 1987. *
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2. DAILY OBSERVING PERIODS AND DIRECTOR'S TIME

Daily observing time is allocated from 1400 hours to 0800 hours the following morning on weekdays, and from 0800 hours to 0800 hours the following morning on public holidays, except for those marked with an asterisk (*). On these days observing time does not begin until 1600 hours, due to extended maintenance or receiver changes.

All time outside the daily observing periods is assigned to the Director. Observers will not be able to observe during the time assigned to the Director and must be prepared to relinquish use of the equipment promptly at the end of the scheduled periods.

3. TELESCOPE OPERATION

Whenever the telescope is not stowed a qualified telescope operator must be present in the control room and, in addition, at least one other person must be present in the telescope tower or structure (but not necessarily in the control room).

4. WIND RESTRICTIONS

Instruction for the operation of the telescope in wind are displayed in the control room. The telescope operator is the person responsible for any action to be taken. No one may override an automatic wind-stow operation initiated by the computer except in any emergency situation as determined by the telescope operator on duty.

5. ACCOMMODATION

Accommodation at the Quarters is usually available from the night before an observing session starts until the day following the end of observations.

Any Radiophysics person whose name is not listed on the program must first obtain permission from his Group Leader before making arrangements. Other observers and intending casual visitors should contact the Observatory Director first. ALL OBSERVERS AND VISITORS MUST ENSURE THAT THE OBSERVATORY IS INFORMED OF THEIR PROPOSED ARRIVAL AND DEPARTURE TIME

6. MEAL TIMES

Breakfast : 0730-0900 Monday - Friday (Serve yourself at weekends)

Lunch: : 1230

Dinner : 1745

Please book your meals by writing your name in the book in the dining room.

7. LIASON WITH OBSERVATORY STAFF

The "underlined" observer is that person designated by the observing group as the official spokesman and contact with observatory staff as regards to technical matters, driving requirements etc.

CALTEC California Institute of Technology
GSFC Goddard Space Flight Centre
JB Nuffield Radio Astronomy Laboratory

AAO Anglo Australian Observatory
AI Astronomical Institute, Ruhr - University
CALTEC California Institute of Technology
GSFC Goddard Space Flight Centre
JB Nuffield Radio Astronomy Laboratory
MQ Macquarie University
MPI Max Planck Institute for Radio Astronomy
MSSSO Mount Stromlo and Siding Springs Observatory
PRL Physical Research Laboratory, Ahmedabad, India
RP C.S.I.R.O. Division of Radiophysics
UL University of Leiden
UTAS University of Tasmania

DATE	PROGRAMME 8 ^h 14 ^h 16 ^h		RECEIVERS			Feeds, Vertex etc.	Back end	Other Specifications	Computer Programs	Assist reques ?
			λ cm	Tuned to frequencies/ velocities	Cal Size (K)					
* = extended maintenance period										
<u>MARCH</u> 19 Thur 20 Fri 21 Sat 22 Sun		ERROR DETECTOR MODS AND POINTING Sciacca and Parkes Staff.	3.4	8.4GHz						
23 Mon 24 Tue 25 Wed 26 Thur 27 Fri	Directors Time	NON-THERMAL RADIO EMISSION Slee, Nelson, Stewart, Wright, (RP), Robinson (AAO), CATAclysmic VARIABLES Cropper (AAO), Wright, Nelson, Slee, Stewart	3.4	8.4GHz	1	Noddy	Cont		No	
28 Sat 29 Sun		POINTING ELECTRICAL MODS **NOTE**: Power will be off Obs. Site most of this period.								
30 Mon		INSTALL PARKES AT RECEIVER AND POINTING	21							
31 Tue	Directors Time	MOTION LOCAL GROUP Mould et al	AT 21	1390-1420MHz		1HE	Corr	2 Spectra 512 Channels BW 5 & 10MHz	Spectra	

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APRIL 1 Wed	SURVEY MILLISECOND & BINARY PULSARS Manchester (RP), Lyne (JB), D'Amico (UP- AL), Kniffen (GCFC) Komesaroff (RP)	AT 21	1300-1420MHz	Pulsed 1K 0.1K	IHE	Own Filters	Filter Bank 2x4x5MHz (50MHz.IF)		
2 Thur	INSTALL 5cm SYSTEM ON AT RECEIVER	AT 5	6035GHz		IHE				
3 Fri 4 Sat	OH QUASI-THERMAL EMISSION & ABSORPTION Whiteoak & Gardner	AT 5	6035GHz	10	IHE	Corr	Corr 2x512 Spectra BW 0.5, 1.0, 2.0, 5.0MHz Vertex Rod.	Spectra Spot	
5 Sun 6 Mon	EVALUATION AT RX AT 6 GHz Caswell, Forster, Haynes (RP)	AT 5	6035GHz	10	IHE	Corr			
7 Tue	Directors Time	INSTALL 12GHz RX	25	12000MHz					
8 Wed 9 Thur 10 Fri 11 Sat 12 Sun	12GHz METHANOL MASERS Norris, Caswell, Gardner, Whiteoak, Wellington (RP)	25	12GHz		Supplied by User	Corr	Receiver supplied by User	Spectra	Yes

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			2 cm	Tuned to frequencies/ velocities	Cal Size (K)					
* = extended maintenance period										
<u>MAY</u> 15 Fri 16 Sat 17 Sun 18 Mon 19 Tue		PULSAR ROTATION MEASURE, SINGLE PULSE OBS. Costa, <u>Hamilton</u> , McCulloch, McConnell, (UTAS)	50	650MHz		Own Rx		Own back-end equipment	Own	
	Directors Time									
20 Wed		RE-COOL AT RX								
21 Thur 22 Fri		COMET WILSON Duncan, Stewart (RP) 03h—13h Sid Time (te Lintel if necessary)	AT 18	1600-1670MHz	10	1HE	Corr	Require some Directors Time	Spectra	
23 Sat 24 Sun 25 Mon 26 Tue 27 Wed 28 Thur 29 Fri	Directors Time	SURVEY GALACTIC CENTRE <u>Rohlfs</u> , <u>Kreitsehmann</u> (AI) 11 days 13h—22.30 Sid Time (Rohlfs & Wayte to share 11 days).	AT 21	1420	5	1HE	Corr		Spectra	
30 Sat 31 Sun <u>JUNE</u> 1 Mon 2 Tue	Directors Time	HI IN MAGELLANIC SYSTEM Wayte (MSSSO) 11 days 22.30—12.30 Sid Time less Directors Time	21	1420MHz	5	1HE	Corr		Spectra	

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<u>JUNE</u>		FLAT-SPECTRUM SOURCES						TID (AEST)		
19 Fri		<u>White</u> , Jauncey, Norris,	AT	2290MHz	3	IHE	PTI	Jun 20 0200-1800		
20 Sat		Taaffe (RP), Savage,	13	PTI DSS45				Jun 21 0200-1800		
21 Sun		(UKS)						Jun 22 0200-1800		
22 Mon								Jun 23 0200-		
23 Tue	Directors Time							Jun 24 0800		
		END OF QUARTER								