# 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 SHCEDULE FOR 1986, QUARTER 2

#### 1. DURATION

The duration starts at 0800 hrs on Tuesday 1st April and ends 0800 hrs on Monday 30th June

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

# 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 observing periods.

# 3. TELESCOPE OPERATION

Whenever the telescope is not stowed a <u>qualified telescope</u> 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 an 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.

#### 5. Continued.

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 TIMES.

#### 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 "undlerlined" 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.

UNSW University of New South Wales UP University of Palermo MSSSO Mount Stromlo and Siding Springs Observatory

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DATE	PROGRAMME		RECEIVERS							
	8 <sup>h</sup> 14			Tuned to frequencies/	Cal Size	Feeds, Vertex	Back	Other		Assistanci
* = exten	= extended maintenance period		A cm velocities		(K) etc	etc.		Specifications	Computer Programs	requested 70
April 1 Tue	Directo	Variable Stars Nelsen, Wright, rs Time Cooke	6	5000 MHz	p-m4	Noddy	Cont		Noddy	86 10:53 @9
2 Wed 3 Thur		Director's Time			-					@SIRO ANRAO
4 Fri 5 Sat		Pulsars Kardashev, Popov, Slee, <u>Manchester</u>	<b>7</b> 5	408 MHz	Pulsed Cal JTC SEC	Disk	NRAO Filters	A-D Conv. in fast sampling mode UTC time to 100us	P6 Samp as July '85	PARKES No
6 Sun 7 Mon 8 Tue		OH in Halleys Comet Norris, Duncan, Stewart Forster 's Time	18	1666-1670 MHz		Crossed Dipoles	Corr	-	Spectra	No
9 Wed 10 Thur 11 Fri 12 Sat 13 Sun		Megamasers in Iras Galaxies. <u>Norris</u> , Whiteoak, Otrupcek, Allen, Gardner, Roche	18	1350-1667 <b>M</b> Hz	10	Crossed Dipoles	Corr		Spectra	No
14 Mon 15 Tue	Directo	OH in Halleys Comet rs Time <u>Norris</u> , Duncan, Stewart, Forster.	18	1666-1670 MHz:	10	Crossed Dipoles	Corr		Spectra	<b>No</b>

DATE	PROGRAMME		RECEIVERS						
t = cylon	8 <sup>h</sup> 14 <sup>h</sup> 16 <sup>h</sup>		Tuned to frequencies/	Cal Size	Feeds,				Assistance requested
* = extended maintenance period		a can	velocities	(K)	Vertex etc.	Back end	Other Specifications	Computer Programs	
<u>pril</u> Wed	Install 843 MHz Receiver							- Jacobs	3
Thur Fri	Pulsar Confirmation								
Sat '	Manchester, D'Amico (Palermo)	36	843 MHz	Pulsed UTC SE 1~10	Disc	l6 x 2 l MHz Filters	A-D Conv. in fast Sampling Mode UTC Time to 100used	P6 Samp as July 185	No
Mon fue D led hur	Iras Point Sources irector's Time Habing (Leiden) Cool 6cm Receiver	18	1612-1667 MHz	10	Crossed Dipoles	Corr		Spectra	No
ri (ANZ Sat Sun	AC DAY)Caswell, Norris, Haynes							Spot	AU
on	Jebs in IC4296 and NGC612 Kesteven, Bicknell	6					• ·		
ue Dir	(Misso)		5000 MHz	1 .	Noddy	Cont	:	Scan	Yes
ed Dir	SNR Polarization Milne, Haynes, Kesteven	6	<del>5</del> 000 MHz		2 HE Lin Pol	Cont		Sean	Yes

DATE	PROCRAMME		RECEIVERS						margingue on people space a
" Permo		A cm	Tuned to frequencies/ velocities	Cal Size (K)	Feeds, Vertex etc.	Back end	Other Specifications	Computer Programs	Assistar requests
May 1 Thur 2 Fri	Nature of G5.3-1.0 <u>Easwell</u> , Haynes, Miln	6 e	4830-5009 MHz	5-10	IHE Low Moise	Corr	Freq BW CH 4830 5 512 4874 10 256 5009 10 256	Spectra Spot	
3 Sat 4 Sun 5 Mon	Re-Install H-OH Royr Iras Point Sources (Continued) Director's Time	18					-5 250	Scan	
Wed	Jets in IC4296 & NGC612 <u>Kesteven</u> , Bicknell (Mssso)	20	1420 MHz.:	?	Crossed Dipoles	Cont		Sean	Yes
Thur Fri	Parkes – Tidbinbilla Interferometer. Norris, Batty and Others	13	2290 NHz		S-Band Centre	Interf., Corr		, Tid	
Wed	Re-Install H-OH Revr Iras Point Sources (Continued) rector's Time	18						.10	
Thur Fri Sat									The state of the s

		•							Carlos Ca
DME	PROGRAMME	RECEIVERS							
	8 <sup>h</sup> 14 <sup>h</sup> 16 <sup>h</sup>	a cm	Tuned to frequencies/ velocities	Cal Size (K)	Feeds, Vertex	Back	Other	Computer	Assistance To requested
- exten	= extended maintenance period				etc.	end	Specifications	Programs ?	F - 101
<u>May</u> 19 Mon 20 Tue	Install X-Band Revr  Parkes Staff  Director's Time								86 10:54 @SIRO
21 Wed 22 Thur 23 Fri 24 Sat 25 Sun 26 Mon 27 Tue 28 Wed 29 Thur	X-Band Tests and Calibration Parkes Staff Director's Time	3.6							RO ANRAO PARKES
30 Fri 31 Sat <u>June</u> 1 Sun 2 <b>M</b> on	Survey for New Radio Stars. <u>Slee</u> , Wright  Director's Time	3.6	8400 MHz	1	Noddy	Cont		Waggy	No
4 Wed 5 Thur 6 Fri 7 Sat 8 Sun	Polarization of Active Stars <u>Stewart</u> , Nelson	3.6	8400 MHz	1	Noddy	Cant		Noddy or Circus	Na 1

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DME	PROGRAMME		RECEIVERS						
min Name and a second	8 <sup>h</sup> 14 <sup>h</sup> 16 <sup>h</sup>	<b>λ</b> cm	Tuned to frequencies/ velocities	Cal Size	Feeds, Vertex	Back	Other	Computer	Assistance of requested
* = extended maintenance period				(K)	etc.	end	Specifications	Programs	\$ 57
<u>June</u> 9 Mon	Stret & Molso (cm) Queens Birthday Install H-OH Rovr & Set-up Interferometer								86 10:55 @S
_10 Tue	Director's Time Parkes -								- 00 - 00 - 00 - 00 - 00 - 00 - 00 - 00
ll Wed	, Tidbinbilla Interferomete Norris, Batty & Others	r 18	1665.4 MHz		H-OH in Centre	Interf. Corr		Tid	ANRAO P
12 Ihur	Neutral Hydrogen in		*						PARKE
13 Fri	Interacting Galaxies								
14 Sat 15 Sun	<u>Taylor</u> , Vaille, Denby	21	1420 MHz		Crossed Dipoles	Split Corr		Spectra Spot	No
16 Mon	(UNSW)						·		
Ē	Director's Time	e per establishe							
18 Wed		the Royal Management			·			,	di.
19 Thur	WI in Divers								
20 Fri	HI in Blue Compact Galaxies		· ••						
21 Sat	Murer, Dopita (Mssso)	21	1350-1750 MHz		Crossed	Corr	Mssso will		
22 Sun	WT 5- C # 0				Dipoles		Provide Tapes		
23 Mon	HI in S.M.C.		<b>.</b>						
	Director's Time		8-Winny						
25 Wed	Mathewson, Ford								
26 Thur	(Mssso)		•						, o
27 Fri									
28 Sat 29 Sun.	1				: 	<u> </u>	·	· · · · · · · · · · · · · · · · · · ·	