AUSTRALIAN NATIIONAL RADIO ASTRONOMY OBSERVATORY

P O BOX 276 PARKES. NSW 2870 Tel (068) 62 3677 TLX "QASER" AA163999

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

OBSERVING SCHEDULE FOR 1988, QUARTER 1

1. DURATION

The duration starts at 0800 hrs on Mon 4 Jan and ends 0800 hrs on Thur 14 Apr.

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

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 <u>qualified telescope operator must be present in the control room</u> 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.

ANU Australian National University

AR Arecebo

COR Cornell University

GSFC Goddard Space Flight Centre

ESA European Space Agency

JB Jodrell Bank

JPL Jet Propulsion Laboratory

MPI Max Planck Institute for Radio Astronomy

MSSSO Mount Stromlo and Siding Springs Observatory

MU Macquarie University

NRAO National Radio Astronomy Observatory

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

QU Queens University

TI Tata Institute for Research

UADEL University of Adelaide

UBC University of British Columbia

UKSTU UK Schmidt Telescope UP University of Palermo

USYD University of Sydney

UTAS University of Tasmania

		Acuda (marin arrib status arri							er week
DATE	PROGRAMME		RECEIVERS		F A ,	,	,		
	8 ^h 14 ^h 16 ^h	A cm	Tuned to frequencies/ velocities	Cal Size	Feeds, Vertex	Back	Other	Computer	Assistance requested
* = exten	ded maintenance period	- 4.11	velocities	(K)	etc.	end	Specifications	Programs	3
JAN 4 Mon	7.			•	,				
5 Tue *	MAINTENANCE SHUTDOWN		9						
6 Wed 7 Thur	Parkes Staff		,			,	*		
8 Fri 9 Sat 10 Sun	,				•				
11 Mon 12 Tue * 13 Wed 14 Thur 15 Fri 16 Sat	SPECTRA FLARE STARS Lim (MU), Nelson (RP), Vaughan (MU), Troup (RP)	21	1300-1500MHz	10	Circ Pol (Hybrid)	Corr 4×10MHz		DYNASPEC	
17 Sun					i.		·		
18 Mon	HI IN NGC 1549/1553 Hanes (QU), <u>Murray (RP)</u> , Robertson (USYD)	21	1410-1420MHz	5		Corr 2x512 5 or 10 MHz BW		SPECTRA	
19 Tue * 20 Wed	STELLAR FLARES (VLBI TID AND HART) Stewart, Jauncey, Slee, Wright (RP), Beasley (USYD)	3.4	8400MHz	1		Cont		NODDY SPOT	
			*	ud Dale 1800 + (Text ve Sigla in Strike Julyana					

ſ	7					, , , , , , , , , , , , , , , , , , ,				of central
STATE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS N	DATE	PROGRAMME		RECEIVERS						
	* = exten	8 ^h 14 ^h 16 ^h ded maintenance period	A cm	Tuned to frequencies/ velocities	Cal Size (K)	Feeds, Vertex etc.	Back end	Other Specifications	Computer Programs	Assistance requested ?
	<u>JAN</u> 21 Thur	METHANOL MASERS Wellington, Norris, Caswell Whiteoak (RP), McCutchen (UBC/RP), Peng (UNSW), PII DSS43	2.5	12.2GHz			PTI	PTI Times AEST 21 Jan 1540-1000	PTI	
	22 Fri 23 Sat 24 Sun	OH/IR STARS Norris, Caswell, Calabretta, Forster, Gardner, Haynes, Kesteven, Troup, Wark, Wellington, Whiteoak (RP), Diamond (NRAO), Ananthakrishnan (TI)	18	1610-1614MHz	5	HE 11 RCP	PTI	PTI Times AEST 22 Jan 1535-0735 23 Jan 1700-1000 24 Jan 1530-1000	PTI	
MAN	25 Mon 26 Tue * 27 Wed 28 Thur	HI IN THE MAGELLANIC STREAM Waite (MSSSO) Find Strekt dumo	21	1420MHz	5 .	HE 11	Corr 2x512		SPECTRA	
e amprimentale delenississis engine que de describir que esta esta esta esta esta esta esta est	29 Fri 30 Sat	SURVEY FOR MILLISECOND AND SHORT PERIOD PULSARS Manchester (RP), Lyne, Clifton (JB), d'Amico (UP), Kniffen (GSFC), Lim (MU)	20	1300-1750MHz		H OH	2x4x5MHz Filters	CAL Pulsed 1, 100, 1000 pps	OWN PULSAR A/D Par DMA I/Face	-
	31 Sun <u>FEB</u> 1 Mon 2 Tue *	STELLAR EVOLUTION AND NON- THERMAL EMISSION Slee, Nelson, Stewart (RP), Wright (RP)	3.4	8400Mhz	1	Twin Beam Noddy	Cont		NODDY SPOT	
							8			

						- I	, ,			
	DATE	PROGRAMME		RECEIVERS						
_		8 ^h 14 ^h 16 ^h 4	l cm	Tuned to frequencies/velocities	Cal Size	Fecds, Vertex	Back	Other	Computer	Assistance requested
,	* = exten	ded maintenance period	~ ~	velocities	(K)	etc.	end	Specifications	Programs	3
	FEB 3 Wed 4 Thur	TESTS BONN POL SYSTEM AT C, X BANDS Haynes et al. (RP)	6 3.5	4.5-5.0GHz 8.4GHz	20	Circ Pol	Bonn Pol	Vertex Rads for 6, 3.5cm	SCAN DEKKO BONNPOL ·	
	5 Fri 6 Sat 7 Sun 8 Mon 9 Tue * 10 Wed 11 Thur 12 Fri 13 Sat 14 Sun 15 Mon 16 Tue *	LARGE SCALE STREAMING LOCAL UNIVERSE Mathewson, Ford, Dawe (MSSSO) Savage (UKSTU), Haynes (CU), Giovanelli (AR)	21	1370-1420MHz	5	HE 11	Corr 2x512		SPECTRA	
{	17 Wed 18 Thur 19 Fri 20 Set	PULSAR ROTATION MEAS. AND SINGLE PULSE OBS. Costa, Hamilton, McCulloch, McConnell (UTAS)	49	610MHz			Saw Pol (UTAS)	Feed Rotation Required	OWN	
nay na dalamin, sa dangada sa malaga.										

	PROGRAMME 8 ^h 14 ^h 16 ^h		RECEIVERS			×			
			m 3 .		•	1	1	1	
= extend		2 cm	Tuned to frequencies/ velocities	Cal Size	Feeds, Vertex	Back		Computer	Assistance requested
- 1	* = extended maintenance period		velocities	(K)	etc.	end	Specifications	Programs	?
<u>FEB</u>									
2 Mon	MILLISECOND PULSARS IN		,				; ,	,	
3 Tue * 4 Wed	GLOBULAR CLUSTERS MAGELLANIC CLOUD PULSAR	2							
6 Fri 7 Sat	SEARCH Ables, Jacka (RP), Hall(USYD), Hamilton, McConnell, McCulloch (UTAS)	49 70	610MHz 430MHz			33KHz	Minimum Impulsive Interference	OWN	
9 Mon <u>ARCH</u> 1 Tue *		v		-		F/Bank	•	,	
2 Wed 3 Thur	NUCLEAR RADIO SOURCES IN ELLIPTICAL GALAXIES Slee, White (RP) PTI DSS43	13	2300MHz		S Circ Pol	PTI	PTI Times AEST 3 Mar 0545-0545 (4 Mar)	,	
7 Mon 8 Tue * 9 Wed 0 Thur	Buczilowski (MPI), Mathewson, Waite (MSSSO), Murray, Wark, Hunt, Sciacca (RP) SNR POLARIZATION Milne, Haynes, Caswell, Kesteven (RP)	6 3.5	4.5-5.0GHz 8.4GHz	20	C,X Circ Pol	Bonn Pol	Vertex Rad for C, X	SCAN DEKKO BONN POL	
1 2 3 4 5 6 7 8 9 A 1 2 3 4 5 6 7 8 9 C 1	FEB Sun Mon Tue * Wed Thur Fri Sat Sun Mon RCH Tue * Wed Thur Fri Sat Sun Mon RCH Tue *	FEB Sun Mon Tue * GLOBULAR CLUSTERS Wed Thur Fri Sat Sun Mon MCCulloch (UTAS) MON MCCulloch (UTAS) MON MCCULLEAR RADIO SOURCES IN ELLIPTICAL GALAXIES Slee, White (RP) PTI DSS43 Fri Sat Sun Mon Mon MCCULLEAR RADIO SOURCES IN ELLIPTICAL GALAXIES Slee, White (RP) PTI DSS43 Fri Sat Sun Mon Murray, Wielebinski, Klein, Buczilowski (MPI), Mathewson, Waite (MSSSO), Murray, Wark, Hunt, Sciacca (RP) Wed Thur Milne, Haynes, Caswell, Kesteven (RP) Fri Mon Milne, Haynes, Caswell, Kesteven (RP)	FEB Sun Mon Tue * GLOBULAR CLUSTERS Wed Thur Fri Sat Magellanic Cloud Pulsar Fri Sun McCulloch (UTAS) Mon RCH Tue * Wed Thur Fri Sat Med Thur Pol Mapping LMC, SMC Haynes, Wielebinski, Klein, Buczilowski (MPI), Mathewson, Waite (MSSSO), Murray, Wark, Hunt, Sciacca (RP) SNR POLARIZATION Milne, Haynes, Caswell, Kesteven (RP) Fri Fri Fri Fri Fri Fri Fri Fri Mon Millise COND PULSAR IN GLOBULAR CLUSTERS MAGELLANIC CLOUD PULSAR SEARCH Ables, Jacka (RP), Hall(USYD), 49 70 70 70 70 70 70 70 70 70 70 70 70 70	FEB Sun Mon Tue * Magellanic cloud pulsar Fri Sat Mon Macculloch (UTAS) Mon Macculloch (UTAS) Mon Macculloch (UTAS) Mon McCulloch	FEB Sun Mon Tue * Wed Thur Fri Sat Mon Mon MCCulloch (UTAS) Mon Mon MCullar Radio Sources IN ELLIPTICAL GALAXIES Slee, White (RP) PTI DSS43 Fri Sat Sun Murey, Wielebinski, Klein, Buczilowski (MPI), Mathewson, Waite (MSSSO), Murray, Wark, Hunt, Sciacca (RP) Muray, Wark, Hunt, Sciacca (RP) Muray, Wark, Hunt, Sciacca (RP) Muray, Wark, Hunt, Sciacca (RP) Milne, Haynes, Caswell, Kesteyen (RP) Milne, Haynes, Caswell, Kesteyen (RP) Mon Mille, Haynes, Caswell, Mon Mille, Haynes, Caswell, Mon	FEB Sun Mon Tue * Mon Tue * Med Thur Fri Sat Sun Mech Thur Tue * Wed Thur Fri Sat Sun Mon MCUlloch (UTAS) Mon MILLISECOND PULSARS IN GLOBULAR CLUSTERS MAGELLANIC CLOUD PULSAR SEARCH Ables, Jacka (RP), Hall(USYD), 49 70 49 70 49 70 49 70 49 70 49 610MHz 430MHz Scirc Pol Size White (RP) PTI DSS43 Fri Sat Sat Boun Murley, Wielebinski, Klein, Buczilowski (MPI), Mathewson, Waite (MSSSO), Murray, Wark, Hunt, Sciacca (RP) Murray, Wark, Hunt, Sciacca (RP) Murray, Wark, Hunt, Sciacca (RP) Milne, Haynes, Caswell, Kesteyen (RP) Nor Murley, Wark, Hunt, Sciacca (RP) Milne, Haynes, Caswell, Kesteyen (RP) Nor Mon Milne, Haynes, Caswell, Kesteyen (RP) Nor Mon Milne, Haynes, Caswell, Kesteyen (RP) Nor Mon Milne, Haynes, Caswell, Kesteyen (RP)	FEB Sun Mon Tue * Wed Thur Fri Sat Sun Mon MCCulloch (UTAS) Med Thur Med Thur Fri Sat Sun Mon MCCulloch (UTAS) Med Thur Med Thur Fri Sat Sun Mon Mon MCCulloch (UTAS) Med Thur Med Med Thur Med Med Thur Med Med Med Med Med Med Med Med Med Me	Millisecond Pulsars IN GLOBULAR CLUSTERS MAGELLANIC CLOUD PULSAR SEARCH Med Mon RCH Soun Mon RCH Tive * Med Thur Tive * Med Thur Selection Mon RCH Mon RCH Soun Mon RCH Mo	FEB Sun Mon Tue * MILLISECOND PULSARS IN GLOBULAR CLUSTERS Wed Thur Fri Sat Sun Mon Mon RCH Tue * Magellanic Cloud Pulsar SEARCH Ables, Jacke (RP), Hall(USYD), 49 Hamilton, McConnell, McCulloch (UIAS) Mon RCH Tue * Muclear Radio Sources IN ElliPTICAL GALAXIES Slee, White (RP) PII DSS43 Fri Sat Sun Mon Mon Mon RCH Thur Poll Mapping LMC, SMC Haynes, Wielebinski, Klein, Buczilowski (MPI), Mchewson, Waite (MSSD), Mathewson, Waite (MSSD), Ma

			1			,	3			
	DATE	PROGRAMME		RECEIVERS						
		8 ^h 14 ^h 16 ^h		Tuned to frequencies/	Cal Size	Feeds, Vertex	Back	Other		Assistance
4	* = exten	ded maintenance period	2 an	velocities	(K)	etc.	end	Specifications	Computer Programs	requested ?
cuelle	MARCH 13 Sun 🗲	Not ours " I [IM c]								
750	14 Mon	From previous page			ě	9				•
3	15 /Tue * 16 Wed		P. A		,	8				
SIA	17 Thur	. S. 6A +12 03 B 2AM	Mere	,						
,	18 Fri 19 Sat 20 Sun	PULSAR PROPER MOTIONS Bailes (MSSSO), Manchester, Kesteven, Norris, Wellington, Calabretta (RP), Reynolds (MSSSO) PTI DSS43	18	1665MHz		HE 11 RCP	PTI	PTI Times AEST 18 Mar 1800–1000 .19 Mar 1800–1000 20 Mar 1800–1000		
	21 Mon 22 Tue *	ACTIVE RADIO STARS Stewart, Slee, White, Iroup (RP) PTI DSS43	13 3.4	12 CDZ 2300MHz (12) 8400MHz (12)	I)	S/X	PTI	PTI Times AEST 22 Man 0630-0230	PTI	
	25 Eni	METHANOL MASERS Caswell, Norris, Wellington, Whiteoak (RP), McCutchen (UBC/RP), Peng (UNSW)	2.5	12.2GHz, C.	a de	*	Corr	(23 Mar)	SPECTRA SPO	
	29 Tue * 30 Wed	HOLOGRAPHIC SURVEY OF 64M TELESCOPE Kesteven, Wellington, Calabretta, Shields, Corkish (RP)	2.4	12.4GHz		Sky Horn for Ref.			OMN	YES

(2) By. O. M. Entire

¥	1		RECEIVERS					1	
DATE	PROGRAMME		MACLIVERS						
	8 ^h 14 ^h 16 ^h	a cm	Tuned to frequencies/	Cal Size	Fecds, Vertex	Back	Other	Computer	Assistance requested
* = exte	ndod maintanana : 3	to tem	velocities	(K)	etc.	end	Specifications	Programs	3
MARCH 31 Thu	WITH SN ARRAY		4 11:00 PL	7					
APRIL 1 Fri 2 Sat	Preston (JPL), Mutel (IOWA) McCulloch, Hamilton, McConnell (UTAS), Reynolds (ANU), Bird (UADEL), Tzioomis (JB), UTCAN	13	2.3GHz	5 20–30	Bonn Pol Feed RCP	VLBI	PTI Times AEST 31 Mar 1000-0200 1 Apr 1000-0200 2 Apr 1000-0200	SPOT .	-
	PTI & VLBI DSS45.								
3 Sun 4 Mon	STRUCTURE FLAT-SPECTRUM SOURCES Duncan, White, Jauncey, Norris, Harvey, Wark (RP), Savage (UKSTU), Reynolds (ANU) PTI DSS45	13	2290MHz	3	HE 11 RCP	РТІ	PTI Times AEST 3 Apr 1000-0200	PTI	
5 Tue 6 Wed	* SURVEY MILLISECOND AND SHORT PERIOD PULSARS (PT 2). Manchester (RP) et al.	20	1300-1750MHz		HE 11 OH, H	l & 5MHz Filters J Lim Filters	Cal pulsed 1, 100, 1000 pps .	OWN '' PULSAR A/D DMA I/Face	
7 Thu	OH/IR OBJECTS IN MAGELLANIC CLOUDS Whiteoak, Gardner (RP), Wood, Bessell (MSSSO)	18	1610-1612MHz	3 .	HE 11	Corr		R 64M SPECTRA	
8 Fri 9 Sat 10 Sun	METHANOL TOWARDS SOUTHERN HII REGIONS Whiteoak, Gardner (RP), Peng (UNSW)	2.4	12.2GHz	20	Dual Chan	Corr		SPECTRA R64M	
11 Mon 12 Tue	Redard J.	m 5	Ry 2	tel de	and the second				

DATE	PROGRAMME	RECEIVERS								
	8 ^h 14 ^h 16 ^h			Tuned to frequencies/	Cal Size	Feeds, Vertex	Back	Other	Computer	Assistan requeste
* = exter	nded maintenance period	A cm	velocities	(K)	etc.	end	Specifications	Programs	3	
APRIL	RADIO STUDY EXOSAT BL LAC CANDIDATES									
13 Wed	Tuohy, Brissendon (ANU), Giommi, Tagliaferri (ESA)	3.4	8.4GHz	1	Dual Feed Noddy	Cont		NODDY CROSS		
		manustricus de Calvinando								
		,								
			-							
		:								

