AUSTRALIAN NATIIONAL 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 4

1. DURATION

The duration starts at 0800 hrs on Wed 7 Oct and ends 0800 hrs on Thur 24 Dec.

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 periods.

3. TELESCOPE OPERATION

Whenever the telescope is not stowed a <u>qualified telescope</u> operator must be present in the <u>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.

AAO Anglo Australian Observatory

AR Arecebo

COR Cornell University

Hartebeestenhoek Radio Astronomy Observatory HART Institute for Space Research, Moscow ISR JΒ Jodrell Bank Jet Propulsion Laboratory JPL Max Planck Institute for Radio Astronomy MPI Mount Stromlo and Siding Springs Observatory MSSS0 National Radio Astronomy Observatory NRAO Nobeyama Radio Observatory NRO ONB Observatoria Nacional Brasileiro C.S.I.R.O. Division of Radiophysics RP UADEL University of Adelaide UIOWA University of Iowa UKSTU UK Schmidt Telescope UTAS University of Tasmania

UTOKYO University of Tokyo

DATE	PROGRAMME		RECEIVERS						
2	8 ^h 14 ^h 16 ^h	λ cm	Tuned to frequencies/ velocities	Cal Size (K)	Fecds, Vertex etc.	Back end	Other Specifications		Assistance requested ?
* = exterx	ded maintenance period			(20)		GA.	Specification in	riogrand	
OCT 7 Wed 8 Thur	<u>POL. LMC and SMC</u> <u>Haynes</u> (RP), Wielebinski, Klein (MPI), Mathewson (MSSSO)	AT	2.3 GHz	1	s,x	Polar-	S and X band Linea	r Modified	
9 Fri 10 Sat 11 Sun	Hunt, Sciacca, Murray, Wark, Jacka (RP)	13 3.6	8.4 GHz	<u> </u>	Circ. Pol	imeter	radiators at Vertex	SCAN .	
12 Mon 13 Tue *	PART 1	<i>H</i> '				,			
15 Thur 16 Fri			,					·	
17 Sat 18 Sun 19 Mon									•
20 Tue +			·						
21 Wed 22 Thur	INTENSITY LMC OH/IR Whiteoak, Gardner (RP), Wood, Bessell (MSSSO)	AT 18	1610-1615 MHz	4	HE 11	Corr		Spectra 64M	
	,				·				

DATE	PROGRAMME		RECEIVERS					,	
* = exterx	8 ^h 14 ^h 16 ^h ded maintenance period	λ απ	Tuned to frequencies/ velocities	Cal Size (K)	Fecds, Vertex etc.	Back end	Other Specifications		Assistance requested ?
OCT 23 Fri 24 Sat * 25 Sun 26 Mon 27 Tue *	Duncan, Harvey, Jauncey, Norris, Wark, Wellington, White (RP), Reynolds (ANU), Hamilton (UTAS), Nicolson (HART), Bird (UADEL), Preston (JPL), Mutel (UIOWA), Tzioumis (JB), U.T.C.a.A.	13	2290 MHz 2290 <u>+</u> 10 MHz 8420 <u>+</u> 10 MHz	3 3	S/X Concentric	PTI	PTI TIMES AEST 24 Oct 0300-1900 25 Oct 0300-1900 26 Oct 0300-1900 27 Oct 0300-1900	PTI	
28 Wed 29 Thur 30 Fri 31 Sat NOV 1 Sun 2 Mon	PTI, VLBI (DSS45) POL. LMC and SMC Haynes et al. PART 2								
3 Tue * 4 Wed 5 Thur	Install K-band and Pointing PARKES STAFF	•		•				·	
6 Fri 7 Sat 8 Sun	NH ₃ TOWARDS OH/H ₂ O MASERS Forster, Caswell (RP)	1.3	23600-24000MH	ž 10	Twin Beam	Corr		SPECTRA	·

DATE	PROGRAMME		RECEIVERS	:			American Control of Co	III.	
	8 ^h 14 ^h 16 ^h	2 cm	Tuned to frequencies/ velocities	Cal Size (K)	Feeds, Vertex etc.	Back end	Other Specifications	Computer Programs	Assistance requested ?
NOV 9 Mon 10 Tue *	H ₂ O IN SOUTHERN CARBON STARS Deguchi (NRO), Nakada (UTOKYO), <u>Forster</u> (RP)	1.3	22235 <u>+</u> 10 MHz	10	Twin Beam	Corr 5,10 MHz 1024Ch		SPECTRA	
12 Thur 13 Fri	H ₂ O DATA BASE Forster, Caswell, Haynes, Duncan (RP)	1.3	22235 <u>+</u> 10 MHz	10	Circ. Pol.	Corr		SPECTRA	
14 Sat 15 Sun 16 Mon 17 Tue *	MAGELLANIC CLOUD PULSAR SEARCH Ables, Jacka (RP), Hall (USYD Hamilton, McConnell, McCullock (UTAS)	, 49	610 MHz		Disc	Own .	No other Rx equip. in Telescope or Lab on Minimum Impulsive Interference.	Ошп	
18 Wed 19 Thur 20 Fri 21 Sat 22 Sun	MILLISECOND PULSARS IN GLOBULAR CLUSTERS Ables, Jacka (RP), Hall (UTAS Hamilton, McConnell, McCulloch (UTAS)	49 6),	610 MHz		Disc	Own	No other Rx equip. in Telescope or Lab on Minimum Impulsive Interference.	Own	
23 Mon 24 Tue	TIME TRANSFER USING PULSARS Hamilton, McConnell (UTAS), Jauncey (RP)	49 13	610 MHz 2300 MHz	•		Own	2300 MHz Rx in offset pan	Own	
25 Wed	INSTALL PARKES AT PARKES Rx. Rx Tests Parkes Staff								·

DATE	PROGRAMME 8 ^h 14 ^h 16 ^h when the state of the state		RECEIVERS						
		l an	Tuned to frequencies/ velocities	Cal Size (K)	Feeds, Vertex etc.	Back end	Other Specifications	Computer Programs	Assistance requested ?
NOV 26 Thur 27 Fri 28 Sat 29 Sun 30 Mon	PULSAR PROPER MOTIONS Bailes (MSSSO), Manchester, Norris, Kesteven, Wellington, Calabretta (RP), Reynolds (ANU) PII DSS43	AT 18	1665 MHz		HE 11 RCP	PTI	PTI Times AEST 27 Nov 0300-1900 28 Nov 0300-1900 29 Nov 0300-1900 30 Nov 0300-1900	PTI · .	-
DEC 1 Tue * 2 Wed 3 Thur 4 Fri 5 Sat 6 Sun 7 Mon 8 Tue * 9 Wed	LARGE SCALE MOTIONS IN LOCAL UNIVERSE Mathemson, Ford, Dawe (MSSSO Savage (UKSTU), Haynes (COR), Giovanelli (AR), Da Costa (ONB)), AT 21	1370–1420 MHz		HE 11	Corr 2 x 512 Chans		SPECTRA	
10 Thur 11 Fri 12 Sat 13 Sun 14 Mon	COMPACT CORES IN IRAS GALAXIES Norris, Kesteven, Troup (RP), Allen (AAO) PTI DSS 43	AT 18	1665 <u>+</u> 5 MHz		HE ll RCP	PTI	PTI Times AEST 10 Dec 1800-0400 11 Dec 1800-1000 12 Dec 1800-1000 13 Dec 1800-1000 14 Dec 1800-1000 (15 Dec)	PTI	
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DATE	PROGRAMME		RECEIVERS		•				
·	8 ^h 14 ^h 16 ^h ded maintenance period	2 cm	Tuned to frequencies/ velocities	Cal Size (K)	Fecds, Vertex etc.	Back end	Other Specifications	Computer Programs	Assistance requested ?
- exten	der namterance period								
DEC 15 Tue → 16 Wed	VLBI OBS OH/IR STARS Norris, Caswell, Calabretta, Forster, Haynes, Kesteven, Wark, Wellington (RP), Kemball (HART), Diamond (NRAO), Matveyenko (ISR)	AT 18	1611-1613 MHz		HE II RCP	MKII Recorder	15 Tapes for Recorder		
17 Thur 18 Fri 19 Sat 20 Sun	HI IN MAGELLANIC SYSTEM Wayte (MSSSO)	AT 21	1420 <u>+</u> 5 MHz		HE 11	Corr 2 x 512 Chans		SPECTRA	
21 Mon 22 Tue * 23 Wed	MAINTENANCE SHUTDOWN PARKES STAFF								
	END OF QUARTER			•					
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