AUSTRALIAN NATIONAL 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 4

1. DURATION

The duration starts at 0800 hrs on Tues 4 Oct and ends 0800 hrs on Fri 23 Dec.

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

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****************** NOTE *****************
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* CLOSING DATE FOR APPLICATIONS FOR TIME *
* FOR 1ST QUARTER 1989 IS 10th Nov 1988  *
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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.

AAO	Anglo Australian Observatory
ANU	Australian National University
AR	Arecibo Observatory
ASC	The Aerospace Corporation
COR	Cornell University
GSFC	Goddard Space Flight Centre
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
UKSTU	UK Schmidt Telescope
UP	University of Palermo

DATE	PROGRAMME 8h 14h 16h * = extended maintenance period	RECEIVERS λ (cm)	Tuned to frequencies/ velocities	Cal Size (K)	Feeds, Vertex etc	Back End	Other Specifications	Computer Programs	Assistance requested
OCT 4 Tue 5 Wed	TESTS BONN POL. CIRC. POLARIZER Haynes, Sinclair, Cooke, Wark, Smith (RP)	3-6	8.400GHz	50-100K	X-band λ/4 plate Lin. Pol. Vertex Rad.	Broadband Polarimeter		SCAN SPOT	
6 Thu 7 Fri 8 Sat 9 Sun 10 Mon 11 Tue 12 Wed 13 Thu 14 Fri 15 Sat 16 Sun	SURVEY MILLISECOND, SHORT PERIOD PULSARS Manchester (RP), Lyne, Johnson (JB), D'Amico (UP), Kniffen (RP/GSFC), Lim(MU)	20	1300-1720 MHz	1K 10K	1300-1720 20 cm Dual Lin Pol	Filter Banks JB 1,5MHz Lim 1 MHz Dig. I/face	Pulsed cal. 1pps 10 Hz-1 KHz	Own PP Driver	
17 Mon	TELESCOPE SURFACE SURVEY Yabsley, Parsons (RP) X-BAND DISH EFFICIENCY MEASURMENTS Cooke, Smith, Fagg (RP)	3.6	8.4 GHz	5	X-Band Noddy	Cont. Switched	Liquid Nitrogen	SPOT	
18 Tue 19 Wed 20 Thu 21 Fri 22 Sat 23 Sun 24 Mon	LARGE SCALE STREAMING IN LOCAL UNIVERSE Mathewson, Ford (MSSO), Savage (UKSTU), Haynes (COR), Giovanelli (AR)	21	1.37-1.42 GHz	4	Wide Band L	Corr. 2x512 Ch.		SPECTRA	

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OCT 25 Tue 26 Wed 27 Thu 28 Fri 29 Sat 30 Sun	Mathewson et al continued flood lights								
31 Mon NOV 1 Tue 2 Wed 3 Thu 4 Fri 5 Sat 6 Sun 7 Mon 8 Tue 9 Wed	MAGELLANIC CLOUD SURVEY PART IV X-BAND Haynes, Murray, Hunt (RP) Klein, Wielebinski (MPI) Wayte (MSSO) **Non M.C. time - SNR Polarisation** **Milne,Caswell,Haynes,Kesteven**	3.6	8.4 GHz +-250 MHz	50-100K	Circ. Pol. λ/4 plate Lin. Pol. Vertex Rad.	X-Band Pol. system		SCAN/ DEKKO	
10 Thu 11 Fri 12 Sat 13 Sun	VLBI MEASURMENTS WITH AUST. VLBI ARRAY. Jauncey et al of the Aust VLBI Array. VLBI + PTI (DSS43)	13	2290 MHz	10	S-Band RCP	MK2 VLBI PTI	Own Tapes PTI times (AEST) Nov10 1800-1000 Nov11 2210-1000 Nov12 1800-1000 Nov13 1800-1000 (14th)	PTI	
14 Mon 15 Tue	ANGULAR SIZES OF GIANT RADIO STARS Stewart, Slee, Troup, Norris (RP) Reynolds (MSSSO) PTI DSS43	3.6	8.4 GHz	1	X-Band λ/4 plate RCP	PTI	Use R/S synthesiser PTI times (AEST) Nov14 1800-1800 (15th)	PTI see T. Lim	

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NOV 16 Wed 17 Thu 18 Fri 19 Sat 20 Sun	HOLOGRAPHIC SURVEY OF PARKES 64M TELESCOPE Wellington, Kesteven, Shields, Cooke, Smith Fagg, Calabretta Yabsley (RP)	2.4	12.405 GHz Dual ch. Rx One in centre pan. One on ref. dish.		Methanol	400 MHz receiver in C. Room	IF processor at L-Band for IF Gigatronics L.O. in focus cabin.	Own	
21 Mon 22 Tue 23 Wed	SEARCH FOR COMPACT CORES IN IRAS GALAXIES Norris, Kesteven, Troup (RP) Sramek (NRAO/RP), Allen (AAO) PTI DSS43	13	2290 MHz +- 6 MHz	10	S-Band RCP	PTI	PTI times (AEST) Nov21 1700-0700 Nov22 1700-0700 Nov23 1700-0700	PTI	
24 Thu 25 Fri 26 Sat	PULSAR PROPER MOTIONS Bailes (MSSSO), Manchester, Norris Kesteven (RP), Reynolds (MSSSO/JPL) PTI DSS43	20	1665 MHz +- 6 MHz	10	Wide band L-Band	PTI	PTI times (AEST) Nov25 0100-1700 Nov26 0100-1700 **Nov27 0100-1700**	PTI	
27 Sun 28 Mon	NUCLEAR SOURCES ELLIPT. GALAXIES Slee, White, Ekers (RP) Reynolds (MSSSO/JPL), Caganoff (AAO) PTI DSS43	3.6	8.4 GHz +- 6 MHz	5	X-Band λ/4 plate RCP	PTI	R/S synth. PTI times (AEST) Nov27 1700-0700 Nov28 1700-0700	PTI (29th)	

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NOV 29 Tue 30 Wed DEC 1 Thu	EMMISSION MECHANISMS MICROWAVE FLARES Lim, Vaughan(MU), Nelson, Troup (RP)	20	1.3-1.7 GHz	150		MU-RP 96 ch. Filter bank	Quad. hybrid. Noise source driver. 2 mag. tapes		
2 Fri 3 Sat 4 Sun 5 Mon 6 Tue	SMALL SCALES STRUCTURES. FLAT-SPECTRUM SOURCES. Duncan, White, Jauncey, Wark Harvey (RP), Savage (UKSTU), Reynolds (MSSSO/JPL) PTI DSS45	13	2290 MHz	3	S-Band RCP	PTI	PTI times (AEST) PTI Dec2 1700-0700 Dec3 1700-0700 Dec4 1700-0700 Dec5 1700-0700 Dec6 1700-0700 (7th)		
7 Wed 8 Thu 9 Fri 10 Sat 11 Sun 12 Mon	PLASMA EMISSION, CORONAL STRUCTURE FLARE STARS Lim, (MU) Nelson (RP) Vaughan (MU) Troup (RP) Sheridan	150-60	200-500 MHz	10	Log-periodic (own) quad-hybrid	MU-RP Filter bank	2 mag tapes		
13 Tue 14 Wed 15 Thu	**MAINTENANCE SHUTDOWN** Parkes Staff (Power off site for one day). Recool AT Rx 15th.								
16 Fri 17 Sat 18 Sun	HIGH SENSITIVITY SEARCH FOR PULSARS Manchester (RP), Lyne, Johnson (JB), D'Amico (UP), Kniffen (RP/GSFC), Lim (MU/RP)	20	1300-1720	2	1300-1720 20 cm dual Lin. Pol.	Filter banks JB 1,5 MHz Lim 1 MHz	own tapes	Own PP Driver	

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DEC 19 Mon	X-BAND DISH EFFICIENCY MEASURMENTS Cooke, Smith, Fagg (RP)	3.6	8.4 GHz	5	X-Band Dual Noddy	Cont. switched		SPOT	
20 Tue 21 Wed	OH/IR STARS AND GALACTIC CENTRE DISTANCE Chapman, Stavely-Smith (AAO), Caswell (RP)	18	1610-1725 MHz	5-10	Wide band 20 cm	Corr 2 x 512 ch Bw. 0.2, 0.5, 1.0 MHz	Lin. vertex rad. Hybrid for Circ. Pol.	SPECTRA SPOT	
22 Thu	OH MASERS IN STAR-FORMING REGIONS Caswell, Forster (RP), Chapman (AAO)	18	1610-1725 MHz	5-10	Wide band 20 cm	Corr 2 x 512 ch Bw. 0.2, 0.5, 1.0 MHz	Lin. vertex rad. Hybrid for Circ. Pol.	SPECTRA SPOT	
23	CHRISTMAS SHUTDOWN								