

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 1986, QUARTER 4

1. DURATION

The duration starts at 0800 hrs on Mon 22 Sept and ends 0800 hrs on Wed 24th December.

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 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
UNSW	University of New South Wales
JPL	Jet Propulsion Laboratory
UTAS	University of Tasmania
NRAO	National Radio Astronomy Observatory
MSSSO	Mount Stromlo and Siding Springs Observatory
RP	C.S.I.R.O. Division of Radiophysics

DATE	PROGRAMME		RECEIVERS			Feeds, Vertex etc.	Back end	Other Specifications	Computer Programs	Assistance requested ?
			λ cm	Tuned to frequencies/ velocities	Cal Size (K)					
* = extended maintenance period										
SEPT	Install K-Band									
22 Mon	Directors Time	RX Checks								
23 Tue		Pointing Solution								
24 Wed										
25 Thur										
26 Fri		H ₂ O Maser Spectra								
27 Sat		Data Base	1.3	22.23508GHz		1 HE	Corr	3IFs fo 10MHz 512 Ch	Spectra Spot	
28 Sun		Caswell, Forster,						-7 10MHz 256		
29 Mon		Haynes, Duncan (RP)						+7 10MHz 256		
30 Tue	Directors Time	H 67 α or H66 α from Compact HII regions. Caswell, Forster (RP)	1.3	22.364GHz (H66 α) 21.384GHz (H67 α)		1 HE	Corr	2 IFs	Spectra Spot	Yes
OCT		Spectra Non-Thermal Sources								
1 Wed		Nelson, Jauncey, Slee,	1.3	22GHz		1 HE Beam Switch	Cont	S-band in offset pan	Waggy	No
2 Thur		Stewart (RP)								
3 Fri		Southern NH ₃ Survey	1.3	23.69-23.87 GHz	5	1 HE	Corr	3 lines simultaneously.		
4 Sat		Forster, Gardner,						25.69GHz	Spectra	
5 Sun		Whiteoak (RP), Peters						23.72GHz		
6 Mon	Queen's B'day	(MSS50)						23.87GHz		
7 Tue	Directors Time	Kuiper (JPL)								
8 Wed		Install Parkes AT Receiver.								
9 Thur		Systems Tests								
10 Fri		Sinclair, Cooke								
11 Sat		+ Parkes and Epping Staff								
12 Sun										
13 Mon										
14 Tue	Directors Time									
15 Wed										
16 Thur										

Gain limit 2.1 (flashed)

← Whiteoak Survey - Park (OH) every day.

DATE	PROGRAMME 8 ^h 14 ^h 16 ^h	RECEIVERS			Feeds, Vertex etc.	Back end	Other Specifications	Computer Programs	Assistance requested ?
		λ cm	Tuned to frequencies/ velocities	Cal Size (K)					
* = extended maintenance period									
<u>OCT</u>									
17 Fri	Install S-Band								
18 Sat 19 Sun	Electrical Installation Power-House. Lam + Parkes Staff *Note: No electrical Power on site*								
20 Mon	Scan Tests								
21 Tue 22 Wed	Directors Time Set up PTI								
23 Thur 24 Fri 25 Sat 26 Sun 27 Mon	Calibrator Sources for AT. Norris, Batty etal (RP) (PTI DSS45)	1.3	2290MHz			PTI	Tid Times (AEST) Oct 23 1850-1215 Oct 24 2215-1220 Oct 25 1850-1025 Oct 26 2200-1025 Oct 27 1830-0830	PTI	No
28 Tue 29 Wed	Directors Time Install 6cm Pointing Tests	6	5000MHz	1	Noddy	Cont			
30 Thur	Jets in IC4296 and NGC612. Kesteven (RP) Bicknell (VLA, MSSSO) Killeen (NRAO)	6	5000MHz	1	Noddy	Cont		Scan	

DATE	PROGRAMME		RECEIVERS			Feeds, Vertex etc.	Back end	Other Specifications	Computer Programs	Assistance requested ?
			λ cm	Tuned to frequencies/ velocities	Cal Size (K)					
	8 ^h 14 ^h 16 ^h = extended maintenance period									
OCT 31 Fri NOV 1 Sat 2 Sun		SNR Polarization Milne, Haynes, Kesteven (RP)	6	5000MHz	1	2 HE Pol	Cont 2 Chan	Vertex Horn + Noise Source Feed Rotator	Scan	Yes
3 Mon 4 Tue	Directors Time	SNR Mapping Milne, Haynes, Kesteven (RP).	36	843MHz		Disk	Cont 2 Chan		Scan	Yes
5 Wed		Install X-Band Pointing Solution Parkes Staff	3.6	8400MHz						
6 Thur		Install H OH Set up PTI	18	1665±5MHz		Crossed Dipoles	PTI		PTI	
7 Fri		Proper Motion CIRX-1 Konesaroff, Haynes, Caswell (RP) (PTI DSS43)	18	1665±5MHz		Crossed Dipoles	PTI	Tid Times (AEST) Fri 7 0400-1500	PTI	Yes
8 Sat 9 Sun 10 Mon		Pulsar Proper Motions Bailes (ANU), Norris, Manchester, et al (RP) (PTI DSS43)	18	1665±5MHz		Crossed Dipoles	PTI	Tid Times (AEST) Sat 8 0400-1500 Sun 9 0400-1500 Mon 10 0745-2045	PTI	Yes
11 Tue	Directors Time	Survey Radio Stars Slæe, Nelson, Stewart, Wright (RP) (Pt 1 of run)	3.6	8.4GHz	1	Noddy dual	Cont		Noddy Circus	No

DATE	PROGRAMME 8 ^h 14 ^h 16 ^h		RECEIVERS			Feeds, Vertex etc.	Back end	Other Specifications	Computer Programs	Assistance requested ?
			λ cm	Tuned to frequencies/ velocities	Cal Size (K)					
* = extended maintenance period										
NOV 12 Wed 13 Thur 14 Fri		HD32918 and HD36705 Slee, Nelson (RP) Robinson (AAO)	3.6	8.4GHz	1	Noddy Dual	Cont		Noddy Circus	No
15 Sat 16 Sun		Pulsar Proper Motions Bailes (ANU), Norris, Manchester etal (RP)	18	1665±5MHz		Crossed Dipoles	PTI	Tid Times (AEST) Sat 15 1600-0200 Sun 16 1600-0200	PTI	Yes
17 Mon 18 Tue	Director's Time	Survey Radio Stars Slee etal (Pt 2 of run)	3.6	8.4GHz	1	Noddy Dual	Cont		Noddy Circus	Yes
19 Wed 20 Thur 21 Fri 22 Sat	PTAC	Structure Flat-Spectrum Sources. White, Jauncey (RP) etal (PTI DSS42)	13	2290MHz			PTI	Tid Times (AEST) Wed 19 1540-0700 Thu 20 1530-0600 Fri 21 1700-0700 Sat 22 1700-0600		
23 Sun		Install Parkes AT Receiver. Parkes Staff								
24 Mon 25 Tue 26 Wed 27 Thur 28 Fri 29 Sat 30 Sun	Director's Time	HI Survey Magellanic Stream. Mathewson, Ford, Waite, Ferrario (MSSSO)	21	1420±1MHz		1 HE	Corr		Spectra	Yes

DATE	PROGRAMME		RECEIVERS			Feeds, Vertex etc.	Back end	Other Specifications	Computer Programs	Assistance requested ?
			λ cm	Tuned to frequencies/ velocities	Cal Size (K)					
* = extended maintenance period										
DEC 2. C. Amy										
1 Mon 2 Tue 3 Wed 4 Thur	Directors Time	Microstructure Galactic Hydrogen. Boersma, Taylor, (UNSW)	21	1420MHz		1 HE	Corr 2x512 1MHz		Spectra Spot	No
5 Fri 6 Sat 7 Sun 8 Mon		OH Spectral Obs with PII. Norris, Calabretta (RP) etal (PTI DSS43)	18	1660-1670MHz		1 HE	PTI	Tid Times (AEST) Fri 5 1700-0300 Sat 6 1700-0300 Sun 7 1700-0300 Mon 8 1700-0300	PTI	No
9 Tue 10 Wed 11 Thur	Directors Time	HI Blue Compact Galaxies. Meurer, Dopita (MSSSO) (Pt 1 of run)	21	1420MHz		1 HE	Corr		Spectra	No
12 Fri		Structure Flat- Spectrum Sources. White, Jauncey (RP) etal (PTI DSS45)	13	2290MHz		2 HE	PTI	Tid Times (AEST) Fri 12 1600-0800	PTI	Yes
13 Sat 14 Sun		Pulsar Proper Motions Bailes (ANU), Norris, Manchester (RP) etal (PTI DSS43)	18	1665 \pm 5MHz		1 HE	PTI	Tid Times (AEST) Sat 13 2300-0700 Sun 14 2300-1100	PTI	Yes
15 Mon 16 Tue 17 Wed	Directors Time	HI Blue Compact Galaxies. Meurer, Dopita (MSSSO) (Pt 2 of run)	21	1420MHz		1 HE	Corr		Spectra	No

DATE	PROGRAMME 8 ^h 14 ^h 16 ^h	RECEIVERS			Feeds, Vertex etc.	Back end	Other Specifications	Computer Programs	Assistance requested ?
		λ cm	Tuned to frequencies/ velocities	Cal Size (K)					
* = extended maintenance period									
DEC									
18 Thur	Pulsars in the LMC. Ables, Hall, Jacka (RP) Hamilton, McCulloch, McConnell (UTAS)								
19 Fri		68	440MHz						
20 Sat		46	650MHz						
21 Sun		32	950MHz						
22 Mon									
23 Tue	Directors Time								
24 Wed	END OF QUARTER.								

Disk
(integral
with RX)

Own +
Standard

Pulse Int. kept
to minimum

Own

No

CSIRO

Division of Radiophysics

Vimera and Pembroke Roads, Epping, NSW

A Division of the Institute of Physical Sciences

Chief of Division

R H Frater, DScEng FTS

PO Box 76, Epping, NSW, Australia 2121
Telephone (02) 868 0222 Tele. ASTRO 26230
Facsimile (02) 868 0457

August 25, 1986

MEMORANDUM TO: Users of the Parkes Telescope

FROM: Bob Frater

SUBJECT: ASSISTANCE WITH OBSERVATIONS AT PARKES

Because of financial constraints, the Division is now able to provide only limited assistance to astronomers making observations with the Parkes Telescope.

As in the past, assistance will be available during setting-up for observations, and staff will be on call in case problems develop. However during normal observations no routine assistance will be provided to teams of observers from the Division. For observing teams from outside the Division some assistance will be available by negotiation, but wherever possible I would ask outside observers to form teams which are large enough that they can function without assistance.

For reasons of safety there must be at least two persons in the tower at all times when the telescope is not stowed. One of these must be responsible for the control of the telescope. Anyone assuming this role must have received instruction in the control of the telescope and have been accredited by the Division. The Director of the Parkes Telescope, Dr Jon Ables, will be responsible for this accreditation.



R.H. Frater,
Chief of Division.