

Special Notice

Accommodation Bookings

**An E-Mail address has been set up for the Parkes Office,
it is:**

parkes@atnf.csiro.au

Non CSIRO-RP/ATNF Astronomers may find it convenient to book their accommodation by E-Mail to this address. CSIRO-RP/ATNF staff should continue to make their travel and accommodation arrangements in the usual way.

AUSTRALIA TELESCOPE: PARKES OBSERVATORY

P O BOX 276 PARKES. NSW 2870 Tel (068) 62 3677 FAX: (068) 62-3341 E-Mail: parkes@atnf.csiro.au

OBSERVING SCHEDULE FOR 1991, APRIL TERM

1. DURATION

The term starts at 0800 hrs on Friday, April 3 1992, and ends 0800 hrs on Monday, August 3, 1992. All times listed are in Eastern Civil Time (i.e. either Standard Time or Summer Time as appropriate).

NOTE

**CLOSING DATE FOR APPLICATIONS FOR
TIME
FOR AUGUST TERM 1992: MAY 31, 1992**

2. DAILY OBSERVING PERIODS AND OIC TIME

On weekdays, observing time is allocated from 1400 hrs until 0800 hrs the following morning, except on Tuesdays when observing time begins at 1600 hrs. Observing time on week-ends and public holidays runs from 0800 hrs until 0800 hrs the following morning. These times may be varied according to the needs of the Observatory as determined by the Officer-in-Charge.

All time outside the daily observing periods is assigned to the OIC. Observers will not be able to observe during the time assigned to the OIC 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

Instructions 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 CSIRO person whose name is not listed on the program must first obtain permission from their 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: (Self-Service from our Breakfast Bar each day)

Lunch: 1230 (Pre-prepared self-serve meals available on Saturdays)

Dinner: 1745 (Pre-prepared self-serve meals available on Saturdays)

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 contact with observatory staff regarding technical matters, driving requirements etc.

8. VLBI/PTI TIME

Any team granted VLBI/PTI time will need to arrange their own operators for Tidbinbilla.

9. FAULT REPORTING

A single fault reporting system has been introduced at the Observatory. Observers should enter any fault or occurrence which has resulted in lost observing time, along with the amount of time lost, into the fault diary located in the control room.

LIST OF INSTITUTIONS

AAO	Anglo Australian Observatory	U WASH	University of Washington
AMES	AMES Research Centre	UP	University of Palermo
AR	Arecibo Observatory	UWA	University of Western Australia
ATNF	Australia Telescope National Facility		
BOL	Bologna		
CRL	Communications Research Labs		
CU	Curtin University		
IL	University of Illinois		
JB	Jodrell Bank		
JPL	Jet Propulsion Labs		
KI	Kapteyn Institute		
MPI	Max Plank Institute		
MSSSO	Mt. Stromlo and Siding Springs Observatory		
NAO	National Astronomy Observatory (Japan)		
NRL	Naval Research Labs		
NFRA	Netherlands Foundation for Research in Astronomy		
PU	Princeton University		
RP	CSIRO Division of Radiophysics		
SETI	SETI Institute		
S.T.Sc.I.	Space Telescope Science Institute		
SU	Sydney University		
UB	University of Basel		
U BONN	University of Bonn		
UM	University of Montreal		
UNSW	University of New South Wales		
U TAS	University of Tasmania		

Date	Project	λ (cm)	Freq	Feeds / Vertex	Backend	Computer Programs	Comments
<u>April</u>	P005(1)	18	1612 MHz	Dual Circ.	New Corr.	Spectra, Slap, Spot	
Fri 3	OH/IR Stars and Galactic Centre Distances						
Sat 4	Chapman , Caswell, Killeen (ATNF)						
Sun 5	teLintel-Hekkert (MSSSO) Harnett. (SU)						
Mon 6	P080	20	1400 MHz	Dual Lin.	Own	Own	Telescope at Zenith.
Tue 7	Interference Measurements	13	2290 MHz	HE ₁₁ , Dual Circ.			Minimum interference
Wed 8	1-3 GHz						
Thu 9	Tarter (SETI), Webster (AMES)						
Fri 10							
Sat 11							
Sun 12							
Mon 13							
Tue 14	Pointing Tests Parkes Staff	3	8.4 GHz	3cm Noddy	Cont.	Spot	
Wed 15	System Tests						
Thu 16	Parkes Staff						

Date	Project	λ (cm)	Freq	Feeds / Vertex	Backend	Computer Programs	Comments
April	<u>Easter</u>						
Fri 17							
Sat 18							
Sun 19							
Mon 20							
Tue 21	P050	70	430	Cavity Disk	Own	Own	
Wed 22	70 cm Pulsar Survey and Timing	50	640	Disk			
Thu 23							
Fri 24	Manchester , Johnston (ATNF)	20	1400	Wideband			
Sat 25	Lyne, Bailes, Harrison, Robinson,		MHz	H-OH			
Sun 26	Lorimer (JB), D'Amico,						
Mon 27	Nicastro(Bol), Kaspi (PU)						
Tue 28							
Wed 29							
Thu 30							
May							
Fri 1							
Sat 2							
Sun 3							

Date	Project	λ (cm)	Freq	Feeds / Vertex	Backend	Computer Programs	Comments
May Mon 4 Tue 5 Wed 6 Thu 7 Fri 8 Sat 9 Sun 10	P079 Obs. Southern Pulsars Deshpande , McCulloch (U.Tas) McConnell, Wilson (ATNF)	21	1420 MHz	Wideband H-OH	New Corr. 4 MHz	Own	Corr. in Gating Mode. Exabyte tapes required.
Mon 11 Tue 12 Wed 13 Thu 14 Fri 15 Sat 16	P062 Polarization Mapping Galactic Centre Haynes , Stewart (ATNF), W. Reich, P. Reich (MPI) Gray (SU) P081 Puppis A Polarization Milne , Haynes, Stewart (ATNF) (One Obs. Period)	6	4.7 GHz	6cm Dual Circ.	Bonn. Polarimeter	Scan	Vertex Radiator required
Sun 17	V032 P.T.I. DSS43 OH Obs. of IRAS 15405-4945 Chapman , Norris (ATNF) te Lintel-Hekkert (MSSSO)	18	1667 MHz 2 MHz BW	OH R.C.P.	PTI	PTI	TID Times (AEST) 17th Mar DSS43 - 1200-1930 DSS45 - 1915-1000(18th)

Date	Project	λ (cm)	Freq	Feeds / Vertex	Backend	Computer Programs	Comments
May Mon 18 Tue 19 Wed 20	P005(2) OH/IR Stars and Galactic Centre Distances Chapman , Caswell, Killeen (ATNF) teLintel-Hekkert (MSSSO) Harnett (SU)	18	1612 MHz	Dual Circ.	New Corr.	Spectra, Slap, Spot	
Thu 21	Pointing Tests Parkes Staff	3	8.4 GHz	Dual Noddy 3 cm	Cont.	Spot	
Fri 22	Install VLBI MKIII	3.6	8410 MHz	3cm RCP			
Sat 23 Sun 24	V017 VLBI MKIII VLBI Positions of Southern Radio Stars Reynolds , Jauncey, Tzioumis (ATNF), Johnston, Russell (NRL), King, McCulloch (UTas)	3.6	8410 MHz	3cm RCP	VLBI MKIII		TID Times (AEST) 23/5 - 1320-2025 24/5 - 1510-0010(25ch)
Mon 25 Tue 26 Wed 27 Thu 28	Mechanical Shutdown and Installation of 6.7 /12.2 GHz Receiver Parkes Staff						

Date	Project	λ (cm)	Freq	Feeds / Vertex	Backend	Computer Programs	Comments
<u>May</u> Fri 29	V034 Obs. 6 GHz Methanol Masers Norris et al	2.5	6.67 GHz	6.7 GHz Circ. Pol	VLBI		
Sat 30 Sun 31 <u>June</u> Mon 1	V023 VLBI DSS43 VLBI Obs Methanol Masers Norris , Reynolds, Kesteven, Ferris, Gough (ATNF), Wellington(RP), McCulloch (UTas) Diamond (NRAO), Peng (SU)	2.5	12178 MHz	12 GHz RCP	MKII VLBI		TID Times (AEST) 30/5 - 1300-0400(31st) 31/5 - 1500-0500(1st)
Mon 1 Tue 2 Wed 3 Thu 4 Fri 5 Sat 6 Sun 7 Mon 8	P063 Galactic and Magellanic Cloud Methanol Masers Caswell , Norris, Whiteoak (ATNF) Queen's Birthday	2.5 5	12.2 GHz 6.6 GHz	12 GHz 6 GHz	New Correlator 2 IF's 4 MHz or Old Correlator 2 IF's 512ch	Spectra Spot	

Date	Project	λ (cm)	Freq	Feeds / Vertex	Backend	Computer Programs	Comments
June	P077	18	1667 MHZ	18cm Dual Lin.	New Corr. 32 MHz BW 2 x 1024ch	Spectra	
Tue 9	Ultra Luminous OH Megamasers						
Wed 10	<u>Norris</u> , Stavely-Smith, Whiteoak						
Thu 11	(ATNF), Kandalian (Byurakan Obs)						
Fri 12	Roy (SU)						
Sat 13							
Sun 14							
Mon 15	Installl and point 1.3 cm Receiver						
Tue 16	Parkes Staff						
Wed 17							
Thu 18	P076	1.3	23.7 GHz	1.3cm Noddy Dual Lin.	New Corr. 64 MHz BW 2 x 512 ch	Spectra Spot R64M	
Fri 19	Ammonia Transitions in the						
Sat 20	Galaxies						
Sun 21	<u>Whiteoak</u> (ATNF)						
Mon 22	P010	1.3	23.7 GHz	1.3cm Noddy Lin.	New Corr. 16 MHz 4 MHz 2 x 2048 ch	Spectra, Spot, R64M	
Tue 23	Ammonia Obs. Bok Globules						
Wed 24	<u>Hyland</u> , Robinson, Bourke, James						
Thu 25	(ADFA)						
Fri 26							
Sat 27							
Sun 28							
Mon 29							
Tue 30							

Date	Project	λ (cm)	Freq	Feeds / Vertex	Backend	Computer Programs	Comments
July Wed 1 Thu 2	P005(3) OH/IR Stars and Galactic Centre Distances Chapman , Caswell, Killeen (ATNF) teLintel-Hekkert (MSSSO) Harnett (SU)	18	1612 MHz	Dual Circ.	New Corr.	Spectra, Slap, Spot	
Fri 3 Sat 4 Sun 5 Mon 6 Tue 7	P031 21cm Search Massive Globular Clusters Faulkner , Wood (MSSSO) Wright (ATNF) P082 High Luminosity Spirals Towards Great Attractor Visvanathan (MSSSO) P082 - 3 nights P031 - remainder	21	1420 MHz	Wideband H-OH Dual Lin.	New Corr 2 x 512 ch	Spectra	
Wed 8	Install 20, 50, 70 Pulsar Receiving System Parkes Staff						

Date	Project	λ (cm)	Freq	Feeds / Vertex	Backend	Computer Programs	Comments
July	P083	70	430	Cavity Disk	Own	Own	
Thu 9	Pulsars in SNR	50	640	Disk			
Fri 10	Kaspi (PU), Manchester, Johnston, (ATNF), Lyne (JB), D'Amico (UP)	20	1400	Wideband			
Sat 11			MHz	H-OH			
Sun 12							
Mon 13							
Tue 14	P050(2)	70	430	Cavity Disk	Own	Own	
Wed 15	70 cm Pulsar Survey and Timing	50	640	Disk			
Thu 16							
Fri 17	Manchester , Johnston (ATNF) Lyne, Bailes, Harrison, Robinson, Lorimer (JB), D'Amico, Nicastro(Bol), Kaspi (PU)	20	1400	Wideband			
Sat 18			MHz	H-OH			
Sun 19							
Mon 20							
Tue 21							
Wed 22							
Thu 23							
Fri 24							
Sat 25							
Sun 26							

Date	Project	λ (cm)	Freq	Feeds / Vertex	Backend	Computer Programs	Comments
July Mon 27 Tue 28 Wed 29	P078 Obs Millisecond Pulsars Ables, Jacka, Lawrence (RP) McConnell (ATNF) Deshpande, Hamilton, McCulloch (UTas)	70	430 MHz	Cavity Disk	Own	Own R64M	Exabyte Tapes and Pulsed Cal. required
Thu 30	3cm Pointing Test Parkes Staff	3	8.4 GHz	3cm Noddy	Cont.	Spot	
Fri 31 Aug Sat 1 Sun 2	P005(4) OH/IR Stars and Galactic Centre Distances Chapman , Caswell, Killeen (ATNF) teLintel-Hekkert (MSSSO) Harnett (SU)	18	1612 MHz	Dual Circ.	New Corr.	Spectra, Slap, Spot	