

Apr 1 - July 28 1991

PLEASE NOTE:-

**THE OBSERVING PERIOD HAS
CHANGED FROM 4 QUARTERS OF 3
MONTHS TO 3 TERMS OF 4
MONTHS EACH. THESE TERMS
WILL COMMENCE IN APRIL,
AUGUST AND DECEMBER OF EACH
YEAR, AND WILL BE IDENTIFIED BY
THE MONTH AND YEAR IN WHICH
THEY COMMENCE.**

AUSTRALIA TELESCOPE: PARKES OBSERVATORY

P O BOX 276 PARKES. NSW 2870 Tel (068) 62 3677 TLX ~~"OASER" AA163999~~ FAX: (068) 62-3341

OBSERVING SCHEDULE FOR 1991, ^{DEC} APRIL TERM

1. DURATION

The term starts at 0800 hrs on ^{Fri Dec 6 1991} Tuesday ~~April 2~~, and ends 0800 hrs on ^{Fri Mar 3 1992} Sun ~~Jul 28~~. 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 1991 : MAY 31, 1991

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: 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 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
AR	ARECIBO OBSERVATORY
ATNF	AUSTRALIA TELESCOPE NATIONAL FACILITY
CRL	COMMUNICATIONS RESEARCH LABS
CU	CURTIN UNIVERSITY
JB	JODRELL BANK
JPL	JET PROPULSION LABS
MPI	MAX PLANK INSTITUTE
MSSSO	MT. STROMLO AND SIDING SPRINGS OBSERVATORY
NAO	NAT. ASTRON. OBS. (JAPAN)
NRL	NAVAL RESEARCH LABS
PU	PRINCETON UNIVERSITY
RP	CSIRO DIVISION OF RADIOPHYSICS
STSI	SPACE TELESCOPE SCIENCE INSTITUTE
SU	SYDNEY UNIVERSITY
U BONN	UNIVERSITY OF BONN
U TAS	UNIVERSITY OF TASMANIA
U WASH	UNIVERSITY OF WASHINGTON
UP	UNIVERSITY OF PALERMO
UWA	UNIVERSITY OF WESTERN AUSTRALIA

DATE	PROJECT	λ (cm)	FREQ	FEEDS VERTEX	BACK END	COMPUTER PROGRAMS	REMARKS
<u>APR</u>							
Tue 2	SNR POLARIZATION	3	8400 MHz	3 cm dual	Bonn Pol.	SCAN	
Wed 3				circ. Vert rad			
Thu 4	Milne, Haynes, Caswell			lin pol			
Fri 5	Kesteven (ATNF)						
Sat 6	EXTENDED EMISSION-	3	8400 MHz	3 cm	Bonn Pol.	SCAN	
Sun 7	LINE RADIO GALAXIES	6	4500 MHz	6 cm dual circ			
Mon 8				vert rad lin pol			
Tue 9	<u>Koekemoer</u> , Bicknell (MSSSO)						
Wed 10	INSTALL 75/50 CM RECEIVER Parkes Staff						
Thu 11	75 CM PULSAR SURVEY	75	400 MHz	dual pol	Own	Own	
Fri 12				disk. pulsed			
Sat 13	Manchester (ATNF), Lyne			cal at vertex			
Sun 14	(JB), D'Amico (UP), Bailes, Harrison (JB)						
Mon 15	TELESCOPE SURFACE PAINTING						
Tue 16							
Wed 17	New Parkes correlator installation and testing Parkes Staff						
Sun 28							

DATE	PROJECT	λ (cm)	FREQ	FEEDS VERTEX	BACK END	COMPUTER PROGRAMS	REMARKS
<u>APR</u>							
Mon 29	75 CM PULSAR SURVEY	75	400 MHz	dual pol	Own	Own	
Tue 30	(continued)						
<u>MAY</u>							
Wed 1	Manchester (ATNF), Lyne (JB), D'Amico (UP), Bailes, Harrison (JB)			disk. pulsed cal at vertex			
Wed 8							
Thu 9	<u>VLBI (DSS-43)</u>	13	2290 MHz	RCP	VLBI		<u>Tid Times (AEST)</u>
Fri 10	COMPACT DOUBLES			13 cm			
Sat 11	<u>Tzioumis (ATNF) et al</u>						May 9 1600-0200 (10)
Sun 12	OBS 2152-699 AND 1934-638 <u>Reynolds (ATNF) et al</u>						May 10 1100-0300 (11)
	IMAGING CEN A <u>Jauncey (ATNF) et al</u>						May 11 0700-1945
	IMAGING 1830-2311 <u>Jauncey (ATNF) et al</u>						
	OBS 1549-790 <u>Jauncey (ATNF) et al</u>						
Mon 13	SEARCH NARROW-BAND 6		4.463 GHz	6 cm dual	correlator		
Tue 14	EMISSIONS SOLAR TYPE			lin	2 x 512 ch		
Wed 15	STARS (SETI)				HP358A spec		
Thu 16	<u>Blair, Williams (UWA), Norris Wright, Troup, Twardy (ATNF), Wellington (RP), Zadnik (CU)</u>				analyser		

DATE	PROJECT	λ (cm)	FREQ	FEEDS VERTEX	BACK END	COMPUTER PROGRAMS	REMARKS
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MAY

Fri 17	PULSAR TIMING	20	1.3-1.8 GHz	pulsed	JB filters	own	
Sat 18	FOR GRO COLLABORATION	50	660 MHz	cal at vertex for 50cm Broadband H-OH	J.Lim filters Digitizer		

Manchester (ATNF),
Lyne, Robinson (JB),
Siegman (ATNF), Kaspi (PU)

Mon 20	OH/IR STARS	18	1610-1670	18cm 1 HE	correlator	SPECTRA	
Tue 21	AND GALACTIC CENTRE DISTANCE		MHz	hybrid for 2 circ pols	2 IFs x 512 ch bw 0.2, 0.5, 1.0 MHz	SPOT SLAP S	

Chapman, Caswell, Killeen
Harnett, TeLintel

Wed 22	H1 EMISSION AND	21	1419-1422	broadband	correlator	SPECTRA	
Thu 23	ABSORPTION TOWARDS 1830-211		MHz	H-OH dual lin	2 x 512 ch 2 MHz bw		

Subramanyan, Kesteven (ATNF)

Fri 24	H1 OBS RSA	21	1390-1420	broadband	correlator	SPECTRA	
Sat 25	GALAXIES		MHz	H-OH	2 x 512 ch		
Sun 26				dual lin	10 MHz bw		
Mon 27	<u>Richter</u> (STSI)						

JUNE

Tue 4

DATE	PROJECT	λ (cm)	FREQ	FEEDS VERTEX	BACK END	COMPUTER PROGRAMS	REMARKS
<u>JUNE</u>							
Wed 5	MAGELLANIC CLOUD HII REGIONS <u>Wilcots</u> , Hodge (U. Wash)	21	1420 MHz	broadband H-OH dual lin	correlator 2 x 256 ch 10 MHz bw	SPECTRA	
Thu 6	COOL 50 CM RECEIVER Parkes staff						
Fri 7	PULSAR TIMING	20	1.3-1.8 GHz	pulsed	JB filters	own	
Sat 8	FOR GRO	50	660 MHz	cal at	J.Lim filters		
Sun 9	COLLABORATION <u>Manchester</u> (ATNF), Lyne, Robinson (JB), Siegman (ATNF), Kaspi (PU)			vertex for 50cm Broadband H-OH	Digitizer		
Mon 10	AUSTRALIA-JAPAN	20	1500 MHz		K4 system		
Tue 11	MULTIFREQUENCY VLBI	13	2300 MHz		H-maser		
Wed 12		3.6	8400 MHz		freq. std		
Thu 13	<u>Tzioumis</u> , Reynolds	2.3	12400 MHz				
Fri 14	(ATNF), Wellington (RP), Fujishita, Kawaguchi, Sato Sasao, Morimota (NAO), Koyama, Takahashi (CRL)						

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JUNE

Sat 15	VLBI RADIOSTRUCTURE	36	843 MHz	disk dual			TID TIME
Sun 16	SN1987A <i>at al.</i>			circ pol			
<u>Reynolds</u> , Ferris, Tzioumis Jauncey, Norris (ATNF) Campbell-Wilson, McAdam, Cram (SU), King, McCulloch (U TAS), Preston, Meir (JPL)							

Mon 17	MAPPING GALACTIC	3.4	8550 MHz	8.5 GHz	Bonn Pol.	SCAN	
Tue 18	CENTRE			$\lambda/4$ plate			
Wed 19				for dual circ			
Thu 20	<u>Reich</u> (MPI), Mebold (U BONN), Haynes, Stewart (ATNF)						

Fri 21	OH/IR STARS	18	1610-1670	18cm 1 HE	correlator	SPECTRA	
Sat 22	AND GALACTIC		MHz	hybrid	2 IFs x 512	SPOT	
Sun 23	CENTRE DISTANCE			for 2	ch bw 0.2,	SLAP	
	<u>Chapman</u> , Caswell, Killeen Harnett, TeLintel			circ pols	0.5, 1.0 MHz	S	

Mon 24	PARKES NEW CORRELATOR TESTING						
Tue 25							
Wed 26	Parkes staff						

MS10

DATE	PROJECT	λ (cm)	FREQ	FEEDS VERTEX	BACK END	COMPUTER PROGRAMS	REMARKS
<u>JUNE</u>							
Thu 27	VLBI/PTI DSS-43						
Fri 28	VLBI POSITIONS	3.6	8420 MHz	3.6 cm	VLBI	PTI	<u>Tid Times (AEST)</u>
Sat 29	SOUTHERN RADIO STARS			$\lambda/4$ plate	PTI		Jun 28 0800-1750
Sun 30	Reynolds, Jauncey Tzioumis (ATNF), King McCullough (U TAS), Johnston, Russel (NRL)			RCP	MK III b/end H-maser		Jun 29 0255-1850
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<u>JULY</u>							
Mon 1	PTI DSS-43 PTI OBS ACTIVE GALAXY CORES	13	2290 MHz	13 cm RCP	PTI	PTI	<u>Tid Times (AEST)</u>
	Norris, Kesteven, Troup (ATNF), Allen (AAO) Roy (ATNF/SU)						Jul 1 2220-0800 (2)
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Tue 2	PULSAR TIMING	20	1.3-1.8 GHz	pulsed	JB filters	own	
Wed 3	FOR GRO	50	660 MHz	cal at	J.Lim filters		
Thu 4	COLLABORATION			vertex	Digitizer		
	Manchester (ATNF), Lyne, Robinson (JB), Siegman (ATNF), Kaspi (PU)			for 50cm Broadband H-OH			
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JULY

Fri 5	VLBI PTI DSS-43						
Sat 6	RADIOSTRUCTURE	18	1665.5 MHz	18 cm RCP	PTI	PTI	<u>Tid Times (AEST)</u>
Sun 7	SN1987A				VLBI MK III recording system		Jul 5 2205-1725 (6)
	Jauncey, Reynolds Manchester, Ferris, Tzioumis Norris, Stavely-Smith, Wark (ATNF), Johnston, Russell (NRL)						

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Mon 8	Q-BAND INSTALLATION AND POINTING						
Tue 9							
Wed 10	Parkes Staff						

Thu 11	WIDE SiO PROFILES	0.7	43.122 GHz	43 GHz		SPECTRA	
Fri 12	FROM STARS WITH THIN		42.821 GHz	adj focus/rot		SPOT	
Sat 13	CIRCUMSTELLAR SHELLS			feed		NODDY	
Sun 14						Q	
Mon 15	Lewis (AR), Hall, Wark						
Tue 16	Troup (ATNF)						

Wed 24

Thu 25	INSTALL PARKES MULTI BAND RECEIVER						
	Parkes Staff						

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JULY

		<u>PTI DSS-43</u>					
Fri 26		<u>PTI OBS ACTIVE</u>	13	2290 MHz	13 cm RCP	PTI	<u>Tid Times (AEST)</u>
Sat 27		<u>GALAXY CORES</u>					
		<u>Norris, Kesteven,</u> <u>Troup (ATNF), Allen (AAO)</u> <u>Roy (ATNF/SU)</u>					Jul 27 0550-1600
