

AUSTRALIA TELESCOPE: PARKES OBSERVATORY

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OBSERVING SCHEDULE FOR 1990, QUARTER 1

1. DURATION

The period starts at 0800 hrs on Tue Jan 2, and ends 0800 hrs on Tue Apr 3. 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 2nd QUARTER 1990 : FEBRUARY 9, 1990

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

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 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 spokesman and contact with observatory staff as regards to technical matters, driving requirements etc.

8. VLBI/PTI TIME

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

DATE	PROJECT	λ (cm)	FREQ	CAL (K)	FEEDS VERTEX	BACK END	COMPUTER PROGRAMS	REMARKS
JAN								
Tue 2	POLARIZATION	32	950-960		Disk	30 MHz	Own	Vector voltmeter required
Wed 3	SOUTHERN PULSARS		MHz			polarimeter (UTAS)		
Thu 4								
Fri 5	<u>Hamilton</u> , McCullough,							
Sat 6	Van Ommen (UTAS)							
Sun 7								
Mon 8								
Tue 9	INSTALL AT RECEIVER AND POINTING	3.4	8.4 GHz	1	dual noddy	cont.	SPOT	
	Parkes Staff							
Wed 10	MULTI-WAVE OBS.	3.4	8.4 GHz	1	dual noddy	cont.	NODDY	FA -90° for wagging
Thu 11	AB DOR							
Fri 12								
Sat 13	<u>Slee</u> , Nelson (ATNF)							
Sun 14	Budding (Cart. Obs)							
Mon 15	OH/IR STARS AND	18	1610-1720	10	OH feed	correlator	SPECTRA	hybrid for circ, pol.
Tue 16	GALACTIC CENTRE DISTANCE		MHz		vert. lin. pol. rad.	2 if's 512 ch. bw 0.2, 0.5, MHz	S SPOT	
	<u>Chapman</u> , Caswell (ATNF)							
Wed 17	OH MASERS IN STAR FORMING REGIONS	18	1610-1720	10	OH feed	correlator	SPECTRA	hybrid for circ, pol.
			MHz		vert. lin. pol. rad.	2 if's 512 ch. bw 0.2, 0.5, MHz	S SPOT	
	<u>Chapman</u> , Caswell, Forster (ATNF)							

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<u>JAN</u>									
Thu	18	CONFIRMATION & TIMING	20	1350-1720	10	640MHz	filters &	own will bring own tapes	
Fri	19	OF 20CM SURVEY	50	MHz	0.3	cal from	digitizer		
Sat	20			640MHz	pulsed	vertex			
Sun	21	Manchester (ATNF), Lyne							
Mon	22	Johnston (JB), D'Amico (Pal) Kniffen (GSFC), Lim (MU)							
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Tue	23	VACATION STUDENT		System requirements to be advised					
Wed	24	PROGRAMME							
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Thu	25	50CM PULSAR SURVEY	50	640MHz	1	pulsed	own system	own	
Fri	26			cooled		cal from	JB filters		
Sat	27	Manchester (ATNF),				vertex	digitizer		
Sun	28	Lyne (JB), D'Amico (Pal)							
Mon	29	Stavelly-Smith (ATNF)							
Tue	30								
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Wed	31	VELOCITIES CLUSTERS	21	1420MHz	5	vertex	correlator	SPOT NODDY SPECTRA	
<u>FEB</u>		GALAXIES				feed to			
Thu	1					test cw			
Fri	2	Mould (Caltech),							
Sat	3	Bothun (U. Mich), Schommer (RU)							
Sun	4	Hall, Wright (ATNF)							
Mon	5								
Tue	6								
Wed	7								
Thu	8								

DATE	PROJECT	λ (cm)	FREQ	CAL (K)	FEEDS VERTEX	BACK END	COMPUTER PROGRAMS	REMARKS
<u>FEB</u>								
Fri	9	OH/IR STARS AND	18	1610-1720	10	OH feed	correlator	SPECTRA
Sat	10	GALACTIC CENTRE DISTANCE 2		MHz		vert. lin. pol. rad.	2 if's 512 ch. bw 0.2, 0.5, MHz	S SPOT
		<u>Chapman, Caswell (ATNF)</u>						
Sun	11	OH MASERS IN STAR FORMING REGIONS 1	18	1610-1720	10	OH feed vert. lin. pol. rad.	correlator 2 if's 512 ch. bw 0.2, 0.5, MHz	SPECTRA S SPOT
		<u>Chapman, Caswell, Forster (ATNF)</u>						
Mon	12	TELESCOPE JACKS MAINTENANCE AND						
TO		NEW ERROR DETECTOR INSTALLATION						
Sun	25	AND TESTING BY PARKES STAFF.						
Mon	26	RESERVED FOR VLBI						
Tue	27							
Wed MAR	28	POL. MAPPING LMC, SMC	12	2.5GHz	40 ↓ 50	vertex rad. to test pol.	Bonn polarimeter	SCAN DEKKO ECTEST
Thu	1	<u>Haynes, Harnett, Hunt (ATNF), Wayte (MSSO), Junkes, Wielebinski, Klein (MPI)</u>						

DATE	PROJECT	λ (cm)	FREQ	CAL (K)	FEEDS VERTEX	BACK END	COMPUTER PROGRAMS	REMARKS
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MAR

Fri	2	ROTATION GALACTIC	18	1610-1725	10	18cm feed	correlator	SPECTRA	90° hybrid for circ. pol
Sat	3	BULGE		MHz		lin. vert.	2 IF's 512 ch	SPOT	
Sun	4	Whitelock (AAO), Chapman, Caswell (ATNF), Menzies, Feast (SAAO)				rad. to test pol.	bw 1.0, 2.0 MHz	S	

Mon	5	GREAT ATTRACTOR: GALACTIC EXTINCTION	21	1420MHz	5	b-band AT feed spectra	correlator 2 x 512 ch.	SPECTRA	own tapes
		<u>Mathewson, Ford (MSSO)</u> <u>Savage (UKSTU)</u>							

Tue	6	GREAT ATTRACTOR:	21	1420MHz	5	b-band	correlator	SPECTRA	own tapes
Wed	7	GALAXIES IN ZONE OF AVOIDANCE				AT feed spectra	2 x 512 ch.		
		<u>Mathewson, Ford (MSSO)</u> <u>Savage (UKSTU)</u>							

Thu	8	GREAT ATTRACTOR:	21	1420MHz	5	b-band	correlator	SPECTRA	own tapes
Fri	9	GALAXIES IN DEC				AT feed	2 x 512 ch.		
Sat	10	0° to -17.5°				spectra			
Sun	11	<u>Mathewson, Ford (MSSO)</u> <u>Savage (UKSTU)</u>							

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<u>MAR</u>								
Mon	12	DARK MATTER HALOS OF 21	1420MHz	5	b-band	correlator	SPECTRA	own tapes
Tue	13	SPIRAL GALAXIES			AT feed	2 x 512 ch.		
Wed	14	<u>Mathewson</u> , Buckhorn (MSSO)			spectra			
Thu	15	INSTALL 640MHZ COOLED RECEIVER AND 20CM AT SYSTEM						
		Parkes staff						
Fri	16	PULSAR TIMING FOR	20	1350-1720	10	640MHz	filters &	own
Sat	17	GRO COLLABORATION	50	MHz	0.3	cal from	digitizer	will bring
Sun	18	<u>Manchester</u> (ATNF), Lyne (JB), <u>D'Amico</u> (Pal)		640MHz	pulsed	vertex		own tapes
Mon	19	OH/IR STARS AND	18	1610-1720	10	OH feed	correlator	SPECTRA
Tue	20	GALACTIC CENTRE DISTANCE 3		MHz		vert. lin.	2 if's 512 ch.	S
		<u>Chapman</u> , Caswell (ATNF)				pol. rad.	bw 0.2, 0.5, MHz	SPOT
Wed	21	POL. MAPPING OF	6	4.75GHz	50	$\lambda/4$ plate	Bonn	SCAN
Thu	22	CENTAURUS A				in AT feed	polarimeter	DEKKO
Fri	23					vert. rad.		ECTEST
Sat	24	<u>Haynes</u> , Harnett,						
Sun	25	<u>Jauncey</u> (ATNF), Junkes (MPI)						
Mon	26	<u>Reynolds</u>						

