

AUSTRALIA TELESCOPE: PARKES OBSERVATORY

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OBSERVING SCHEDULE FOR 1990, QUARTER 2

1. DURATION

The period starts at 0800 hrs on Tue April 3, and ends 0800 hrs on Mon July 2. 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 3rd QUARTER 1990 : APRIL 27, 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.

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.

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

Tue 3 ERROR DETECTOR
 Wed 4 DRIVE RATE TESTS
 Thu 5
 Fri 6 Parkes Staff
 Sat 7
 Sun 8
 Mon 9

Tue 10 VELOCITY FIELD 21 1420MHz 5 AT broad- correlator SPECTRA
 Wed 11 CLUSTERS OF GALAXIES band 4 x 256 ch. S
 Thu 12 SLAP
 Fri 13 Bothun (U Mich), Hall, SPOT
 Sat 14 Stavely-Smith, Wright (ATNF)
 Sun 15 Mould, Roth (CalTech)
 Schommer (RU)

Mon 16 SEARCH FOR ULTRA- 21 1400- 10 AT broad- correlator SPECTRA
 Tue 17 LUMINOUS OH 1667MHz band L-band
 MEGASASERS
Norris, Stavely-Smith
 Chapman, Whiteoak (ATNF),
 Allen (AAT), Roy

Wed 18 DARK MATTER IN 21 1350- 5 AT broad- correlator SPECTRA
 Thu 19 GALAXIES 1450MHz band 2 x 512ch. SLAP
 L-band 10MHz bw. S
 SPOT
Stavely-Smith, Ekers,
 Walsh (ATNF), Freeman (MSSSO)

DATE	PROJECT	λ (cm)	FREQ	CAL (K)	FEEDS VERTEX	BACK END	COMPUTER PROGRAMS	REMARKS
<u>APRIL</u>								
Fri 20 Sat 21	VLBI OBS OF 1830-211	13	2290MHz	10	S-band RCP	VLBI	VLBI	<u>TIMES (AEST)</u> 20th 0900-0310 ^(21st) 21st 0525-0325 ^(22nd)
	<u>Jauncey et al</u> <u>DSS-45</u>							
Sun 22 Mon 23	DARK MATTER HALOS SPIRAL GALAXIES	21	1370- 1420MHz	5	AT broad- band L-band	correlator 2 x 512 ch.	SPECTRA	
	<u>Buckhorn, Mathewson (MSSSO)</u>							
Tue 24 Wed 25	OH/IR STARS & GALACTIC CENTRE DISTANCE	18	1610- 1712MHz	10	OH feed hybrid for 2 circ. pols	correlator 2 x 512ch. bw 0.2, 0.5, 1.0 MHz	SPECTRA SPOT S SLAP	
	<u>Chapman, Caswell (ATNF)</u>							
Thu 26 Fri 27	PTI OBS OF ACTIVE GALACTIC CORES	13	2290MHz	5	vert. rad. S-band RCP	PTI	PTI	<u>TIMES (AEST)</u> 26th 1900-0130 ^(27th) 27th 1445-0220 ^(28th)
	<u>Norris, Kesteven, Troup (ATNF), Allen (AAT), Roy</u> <u>DSS-43</u>							

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APRIL

Sat	28	PTI/VLBI OBS OF METHANOL MASERS	2.5	12GHz	3	12GHz feed vert. rad.	VLBI/PTI	VLBI/PTI	<u>TIME (AEST)</u> 26th 1445-0130 <small>(2201)</small>
		Norris, Whiteoak, Ferris Wellington (ATNF) Reynolds (JPL), Diamond (NRAO)							
		<u>DSS-43</u>							

Sun	29	INSTALL 640 MHz COOLED RX AND 20CM AT SYSTEM							
		<u>Parkes Staff</u>							

Mon	30	50CM PULSAR SURVEY	50	640MHz	1	pulsed cal. at vertex	own system JB filters and digitizer	OWN	supply own tapes
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MAY
 Tue 1 Manchester, Stavely-Smith
 (ATNF), Lyne (JB),
 Wed 2 D'Amico (UP)
 Thu 3
 Fri 4

Sat	5	PULSAR TIMING FOR	20	1400MHz	1	pulsed cal	own system	OWN	
Sun	6	GRO COLLABORATION	50	640MHz		10.0, 0.3 pulsed cal			
		<u>Manchester, Siegman (ATNF)</u> Lyne (JB), D'Amico (UP)							

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MAY

Mon	7	SETI	6	4.75GHz		5GHz AT feed		VLBI MKII recording system.
Tue	8							correlator
Wed	9	<u>Blair, Costa,</u> <u>Williams (UWA)</u> <u>Wellington, Norris (ATNF)</u>						HP spectrum analyser (provided by users)

Thu	10	MIDDLE LOBE OF	3.5	8.4GHz	2	8GHz dual	Bonn polarimeter	SCAN
Fri	11	CENTAURUS A				pol.		
		<u>Price (UNM)</u>						

Sat	12	<u>SHARED TIME</u>						
Sun	13	1. ENHANCED STAR FORMATION IN RING GALAXIES	3.5	8.4GHz	1	dual noddy	cont.	NODDY SPOT
		<u>Zealey, McIntyre (UW)</u>						
		2. NON THERMAL EMISSION EARLY TYPE STARS						
		<u>Slee, Stewart (ATNF)</u> <u>Budding (CO)</u>						

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MAY

Mon 14 MULTI-BEAM SURVEY 6 4.75GHz
OF SOUTHERN SKY

through

to ATNF
MIT
NRAO

JULY

Sun 1
