

JAN 2 — Apr 1 } 1991

Please Note:-

This observing schedule may be subject to change at very short notice in order to take advantage of opportunities to observe SN1987a.

AUSTRALIA TELESCOPE: PARKES OBSERVATORY

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

OBSERVING SCHEDULE FOR 1991, QUARTER 1

1. DURATION

The period starts at 0800 hrs on Wed Jan 2, and ends 0800 hrs on Mon Apr 1. 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 1991 : Feb 1, 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.

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

Wed 2 COOL K-BAND RECEIVER
Thu 3 AND POINTING

Parkes Staff

Fri 4	AMMONIA OBS.	1.3	23.6945	Noddy	Correlator	SPECTRA	
Sat 5	BOK GLOBULES		23.7220		4 X 256 ch	SPOT	
Sun 6			GHz		5 MHz bw	64M	
Mon 7	Hyland, Robinson						
Tue 8	Smith (ADFA),						
Wed 9	McGregor (MSSSO)						
Thu 10							

Fri 11	CORES COMETARY	1.3	23.694	Noddy	Correlator	SPECTRA	Includes 2 student days	
Sat 12	GLOBULES		23.722		2 x 512/256 ch	SPOT		
Sun 13			23.870		2 MHz bw	64M		
Mon 14	Henckel, Wilson (MPI)							
Tue 15	Whiteoak (ATNF)							
Wed 16	Haju (UH)							
Thu 17								

Fri 18	AMMONIA IN DENSE	1.3	23.6945	Noddy	Correlator	SPECTRA	
Sat 19	CORES IN CHAMAELEON		23.7226		4 x 256 ch	SPOT	
Sun 20	AND LUPUS		GHz		5MHz/2MHz bw	64M	
Mon 21							
Tue 22	Hyland, Robinson (ADFA)						
Wed 23	Nakano, McGregor (MSSSO)						
Thu 24							

DATE	PROJECT	λ (cm)	FREQ	FEEDS VERTEX	BACK END	COMPUTER PROGRAMS	REMARKS
JAN							
Fri 25	H ₂ O IN OH/IR STARS	1.3	22.2351	Noddy	Correlator	SPECTRA	
Sat 26	AND PPNS		GHz		2 x 512 ch	SPOT	
Sun 27					10 MHz bw		
Mon 28	Te Lintel-Hekkert, Castro						
Tue 29	(MSSSO), Engels (HS)						
Wed 30							
Thu 31	INSTALL AT RECEIVER AND POINTING						
FEB							
Fri 1	Parkes Staff						
Sat 2	OH/IR STARS	18	1610-1670	18cm 1 HE	correlator	SPECTRA	
Sun 3	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 Stavelly-Smith (ATNF) Te Lintel-Hekkert (MSSSO), Harnett (SU)						
Mon 4	4 LINE OH STUDY	18	1612	OH dual circ.	Correlator	SPECTRA	
Tue 5	OF PPNS		1665		2 x 512 ch	SPOT	
Wed 6			1667		2 MHz bw		
	Hu (PM), Te Lintel-		1720				
	Hekkert, Wood (MSSSO),		MHz				
	Slijkhuis (AM), Chapman (ATNF)						
Thu 7	COOL 50 CM RECEIVER						
	Parkes Staff						

DATE	PROJECT	λ (cm)	FREQ	FEEDS VERTEX	BACK END	COMPUTER PROGRAMS	REMARKS
FEB							
Fri 8	PULSAR TIMING	20	1.3-1.8 GHz	pulsed	JB filters	own	
Sat 9	FOR GRO	50	660 MHz	cal at	J.Lim filters		
Sun 10	COLLABORATION			vertex for 50cm	Digitizer		
	<u>Manchester, Siegman (ATNF), Lynne (JB), D'Amico (UP)</u>						
Mon 11	SOUTHERN C3 SURVEY	13	2290	13 cm RCP	PTI	PTI	<u>TIMES (AEST)</u>
Tue 12			MHz				
	<u>Burgess, Hunstead (SU), Schilizzi (NFRA)</u>						
	PTI DSS-45						
							11th 1600-0230 ⁽¹²⁾ 12th 1945-0855 ⁽¹³⁾ earlier start on 11th to be negotiated
Wed 13	VLBI	There will be a separate schedule produced for VLBI, which will be distributed to VLBI users.					
Thu 14							
Fri 15							
Sat 16							
Sun 17	SEARCH OH MASER	18	1612	OH dual circ.	Correlator	SPECTRA	
Mon 18	EMISSION SUPERGIANTS		1665	pol.	2 x 512 ch	SPOT	
Tue 19			1667		2 MHz bw	SLAP	
Wed 20	<u>Te Lintel-Hekkert (MSSSO), Chapman, Tzsoumis (ATNF), Van Der Blick (Leiden)</u>		1720				
			MHz				
Thu 21	H1 IN MERGING	21	1420	Wideband	Correlator	SPECTRA	
Fri 22	GALAXIES		MHz	H-OH	2 x 256 ch	S	
Sat 23					10 MHz bw		
Sun 24	<u>English, Freeman,</u>						
Mon 25	<u>Quinn (MSSSO)</u>						

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FEB

Tue 26	DWARF POPULATION	21	1420	Wideband	Correlator	SPECTRA	
Wed 27	CENTAURUS A		MHz	H-OH	2 x 512 ch	S	
Thu 28					10MHz bw	SPOT	

MAR

Côté, Freeman,
Quinn (MSSSO),
Carignan (UM)

Fri 1
Sat 2
Sun 3
Mon 4
Tue 5

Wed 6 **VLBI** There will be a separate schedule produced for VLBI, which will be distributed to VLBI users.

Thu 7
Fri 8
Sat 9
Sun 10
Mon 11
Tue 12
Wed 13

Thu 14 **COOL 50 CM RECEIVER**

Parkes Staff

Fri 15	PULSAR TIMING	20	1.3-1.8 GHz	pulsed	JB filters	own	
Sat 16	FOR GRO	50	660 MHz	cal at	J.Lim filters		
Sun 17	COLLABORATION			vertex	Digitizer		

Manchester, Siegman (ATNF),
Lynne (JB), D'Amico (UP)

Set 16th PTI '45'
1800 - 0200 AEST
to Lintel

'43

Mar 16

0200 - 1600 UT
1800 - 0200 AEST

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

Mon 18 SEARCH FOR PROTO 21 1420 Wideband Correlator SPECTRA
 Tue 19 GALAXIES 1 x 512 ch SLAP Vertex scatterer and focal
 Wed 20 10 MHz bw plane absorber if possible
 Stavely-Smith, Wright
 Walsh (ATNF)

Thu 21 OH/IR STARS 18 1610-1670 18cm 1 HE correlator SPECTRA
 Fri 22 AND GALACTIC hybrid 2 IFs x 512 SPOT
 CENTRE DISTANCE for 2 ch bw 0.2, SLAP
 circ pols 0.5, 1.0 MHz S
 Chapman, Caswell, Killeen
 Stavely-Smith (ATNF)
 Te Lintel-Hekkert (MSSSO),
 Harnett (SU)

Sat 23 ~~OH OBSERVATIONS 18 1667 OH RCP PTI PTI~~ ~~TIMES (AEST)~~
 OF ~~SAO 239288~~ 1600-2100 *new 4 hrs.*
 Te Lintel-Hekkert (MSSSO),
 Chapman (ATNF)
Manchester CRD Collab.
See Mar 16th.
 PTI DSS-43

Sun 24 STRUCTURE SN1987A 18 1666 OH RCP PTI PTI TIMES (AEST)
 MHz 1050-2400
 Jauncey, Kesteven
 Manchester, Norris,
 Reynolds, Stavely-Smith (ATNF)
 PTI DSS-43

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MAR							
Mon 25	CORES ELLIPTICAL GALAXIES	13	2290 MHz	13 cm RCP	PTI	PTI	<u>TIMES (AEST)</u> DSS 42 1500-0700 ⁽²⁵⁾ DSS 43 1905-0130 ⁽²⁵⁾
	Slee, Reynolds, Ekers (ATNF), Sadler (AAO)						
	PTI DSS-42 & DSS-43						
Tue 26	OH 4.7 GHz SURVEY	6	4765	6 cm dual	Correlator	SPECTRA	
Wed 27	IRAS SOURCES		4750	pol.	2 x 512 ch	SLAP	
Thu 28			4660		10 Mhz bw		
Fri 29	Cohen, Shepherd (Manch.)		MHz				
Sat 30	Mashedier (Brist.)						
Sun 31	Caswell (ATNF)						
APR							
Mon 1							