#### AUSTRALIAN NATIIONAL RADIO ASTRONOMY OBSERVATORY

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C.S.I.R.O., Division of Radiophysics

# OBSERVING SCHEDULE FOR 1986, QUARTER 3

## 1. DURATION

The duration starts at 0800 hrs on Mon 30 June and ends 0800 hrs on Monday 22nd Sept.

The times listed are in Eastern Civil Time (i.e. either Standard Time or Summer Time as appropriate).

# 2. DAILY OBSERVING PERIODS AND DIRECTOR'S TIME

Daily observing time is allocated from 1400 hours to 0800 hours the following morning on weekdays, and from 0800 hours to 0800 hours the following morning on public holidays, except for those marked with an asterisk (\*). On these days observing time does not begin until 1600 hours, due to extended maintenance or receiver changes.

All time outside the daily observing periods is assigned to the Director. Observers will not be able to observe during the time assigned to the Director 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  $\underline{\text{qualified telescope operator must be present in the }}$   $\underline{\text{control room}}$  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 Radiophysics person whose name is not listed on the program must first obtain permission from his 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.

AAO Anglo Australian Observatory

UNSW University of New South Wales

UNI HY Hyogo University of Teacher Education

UTAS University of Tasmania

MON Monash University

NRAO National Radio Astronomy Observatory

MSSSO Mount Stromlo and Siding Springs Observatory

DATE	PROGRAMME	RECEIVERS							
	8 <sup>h</sup> 14 <sup>h</sup> 16 <sup>h</sup>	- A cm	Tuned to frequencies/ velocities	Cal Size (K)	Feeds, Vertex etc.	Back end	Other Specifications	Computer	Assistance requested
* = exten	* = extended maintenance period				-		DECELLICACIONS	Programs	?
JUNE 30 Mon JULY 1 Tues 2 Wed 3 Thur 4 Fri	System and Pointing  Tests  Directors Im  Parkes Staff	3.6	8400MHz						
5 Sat 6 Sun 7 Mon	Standby Switch-board Installation Parkes Staff								
8 Tues 9 Wed 10 Thur	Directors Tm 'Scan' Tests Parkes Staff	3.6	8.4 GHz						
11 Fri 12 Sat 13 Sun 14 Mon 15 Tues 16 Wed	Calibrator Sources PTI  Norris, Batty et al  Director's Tm	13	2290 MHz	- 0		Correlator Int. H/ware	Rec. in Centre pan Tid times Sat 12 0800-1600 Sun 13 1900-0300 Tues 15 0000-0800 Tues 15 1900-0300 Thur 17 0000-0800	PTI	No

	DATE	PROGRAMME	RECEIVERS							
*-		8 <sup>h</sup> 14 <sup>h</sup> 16 <sup>h</sup>	<b>≯</b> cm	Tuned to frequencies/	Cal Size	Feeds, Vertex	Back	Other	Computer	Assistance requested
	* = exten	ded maintenance period	A Call	velocities	(K)	etc.	end	Specifications	Programs	3
	July 17 Nhur 18 Fri 19 Sat 20 Sun 21 Mon	Pol Active Stars <u>Stewart</u> , Nelson	3.6	8400 MHz	1	Noddy	Cont.		Noddy Circus	No
	22 Tues 23 Wed 24 Thur	Director's Tm 'Scan' Tests Parkes Staff	3.6	8400 MHz	1	Noddy	Cont.			
	25 Fri 26 Sat 27 Sun 28 Mon	H I in Interacting Galaxies Taylor, Vaile, Denby (UNSW)	21	1420 MHz	10	Crossed Dipoles	Corr.		Spectra Spot	No
	29 Tues 30 Wed 31 Thur Aug 1 Fri 2 Sat 3 Sun	Directors Tm O H Line Obs With PTI <u>Norris</u> , Calabretta et al	18	1660-1670 MHz	. e	Crossed Dipoles	Corr. Int. H/ware	Rec. in Central Pan	PTI	No
	4 Mon 5 Tues 6 Wed 7 Thur	H I in Sagittarius  Director's Tm arm  Sato (Uni Hy),  Whiteoak	21	1420 <u>+</u> 1 MHz	5	Crossed Dipoles	Corr.		Spectra	No

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,		RECEIVERS			Feeds, Vertex	Back	Other		Assistance requested
DATE	PROGRAMME 8 <sup>h</sup> 14 <sup>h</sup> 16 <sup>h</sup>	Tuned to Cal frequencies/ Size velocities (K)							
* = extend	* = extended maintenance period		velocities	(K)	etc.	end	Specifications	Programs	?
Aug 8 Fri 9 Sat 10 Sun 11 Mon 12 Tues	Sato, Whiteoak (Cont) Directors Tm								
13 Wed 14 Thur	'Scan' Tests Parkes Staff								
15 Fri	Install X-Band Parkes Staff	3.6	8400 MHz	1		*			
16 Sat 17 Sun	X-Band Tests of PTI Norris, Batty et al	3.6 13	8400 MHz 2290 MHz			Corr. Int. H/ware	Tid Times Sat 16 0900-0130 Sun 17 0900-0130	PTI	No Vild
18 Mon 19 Tues 20 Wed	SNR Pol Directors Tm Milne, Haynes, Kesteven	3.6	8400 MHz		Pol Switching	Cont.	Vertex Horn + Noise Source Feed Rotator		Yes
21 Thur 22 Fri	Flare Stars Slee, Robinson (AAO) Thompson (MON)	3.6	8400 MHz	1	Noddy	Cont.		Waggy	No
23 Sat 24 Sun 25 Mon	Survey Radio Stars Slee, Wright	3.6	8400 MHz	1	Noddy	Cont.		Waggy	No
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		RECEIVERS					-		
DATE	PROGRAMME								
	8 <sup>h</sup> 14 <sup>h</sup> 16 <sup>h</sup>	A cm	Tuned to frequencies/ velocities	Cal Size (K)	Feeds, Vertex	Back end	Other	Computer	Assistance requested
* = extend	extended maintenance period		velocities	(K)	etc.	end	Specifications	Programs	3
Aug									
26 Tues	Director's Im								
27 Wed	·								
28 Thur	Fast Pulsar Search	73	408 MHz						
29 Fri	Ables, Jacka, Hall (RP)	32	950 MHz				Minimum impulsive Interference	Own	No
30 Sat	Hamilton, McCulloch, McConnell (UTAS)	18-21	1350-1750 MHz						
31 Sun	ricconnect (dras)								
<u>Sept</u> 1 Mon									
	Director's Tm			9					
3 Wed									
4 Thur	Jets in IC4296 and IVGC612 Kesteven (RP), Bicknell (MSSSO) Killeen (NRAO)	20		1				Scan	Yes
	NIII (MIMO)								
5 Fri	Pulsar Proper Motions	18	1665 <u>+</u> 5 MHz	-	Crossed	Corr. Int.	Feed in Centre Pan	PTI	No
6 Sat	Bailles (MSSSO), Manchester et al (RP)				Dipoles	H/ware	Tid Times Sept 5 1900-0300 8		
7 Sun							Sept 6 1900-0300 8		-600
8 Mon							Sept 7 0900-1780 /2 Sept 8 1800-0400 /6	0800-2000	0/2200-104
9 Tues	Director's Tm		2				Sept 8 1800-0400 70 S	95	UTOSOD-1003
10 Wed	Q-Band Tests								
ll Thur	Parkes + Epping Staff	0.7							
12 Fri 13 Sat									
14 Sun									
15 Mon						1	7		
16 Tues	Director's Tm		*						

	T									
	DATE	PROGRAMME  8 <sup>h</sup> 14 <sup>h</sup> 16 <sup>h</sup> = extended maintenance period		RECEIVERS						
	L			Tuned to frequencies/ velocities	Cal Size (K)	Feeds, Vertex etc.	Back end	Other Specifications	Computer Programs	Assistance requested ?
1	Sept 17 Wed 18 Thur 19 Fri 20 Sat 21 Sun	H I Survey Magella Stream Mathewson, Ford (N	21 MSSSO)	1420 MHz	10	Crossed Dipoles	Corr.	MSSSO Will Supply Tapes	Spectra	No
		Clas. Subdo W END OF QUARTER Sor								