

DATE 1971	DAY 08 ^h -13 ^h	13 ^h - 24 ^h - 08 ^h	Feeds, Focal Plane Re- quirements Other	Receivers		L.O., Pumps, Phase Locks Multipliers	Test Equipment	Data Processing	Computer Programme	Installation Driving Re- quirements, Remarks	
				Front End	Back End						
OCT. Tue 26	OCTOBER SHUTDOWN - Installation 9 cm.			Receiver							
Wed 27		Search for CH	9 feed Absorber Liquid air	9 line	IF's 30, 6.7 Filters: 1, 10, 33.3, 100 kHz	H/P Synth own pump, phase lock	2-4 GHz sweep Power meter	PDP9, mag, paper tape X-Yp, 1C/r, 3 pen	OPTY LINE LINRED	Request 1030 hr. start each day. N.B. Absorber liquid air	
Thu 28		FOURIKIS, SINCLAIR									
Fri 29	C/m, d/c	NEWTON, (McGEE)									
Sat 30	Reinstallation 3.4 cm. Receiver										
Sun 31	COOKE et al.										
NOV. Mon 1	C/m, d/c	H-recomb. line $\ell = 320-45$ 2030	Planetary nebulae	3.4 feed He Cold load switching Focal pl. absorb.	3.4 line	64 channel 100	H/P, Schl. synth.	PDP9, mag. tape, paper tape X-Yp. 1 C/r, 3 pen		Day driver	
Tue 2		CASWELL									
Wed 3											
Thu 4				3.4 cont.	-	-		Display CRO	Own prog.		
Fri 5	C/m	MILNE, ABLES									
Sat 6				Pol.							
Sun 7	Circular Polarization of Sources at 3.4 cm.			3.4 pol. switching with $\lambda/4$ plate	3.4 cont.	Cont. D.J. Cooke recorder amplifier	Dymec	Polarad X-band oscillat- or	PDP9 + PBU 1 C/r, 2 pen	POLAR	
Mon 8	C/m, d/c										
Tue 9											
Wed 10											
Thu 11											

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NOV.										
Fri 12	C/m, d/c	Southern Milky Way. Recomb Magellan Clouds Continuum <u>McGEE</u> , NEWTON, BATCHELOR	3.4, 2HE feed, lateral focus absorber Cold load	3.4 cont. line Direct connection to feed.	300, 30, 6.7 MHz IF's. 10, 33.3, 100 KHz.	H/P., Schl. Synth 30 MHz, Ph.1. Cs Standard H/P counter	Power meter Sweep gen. CRO monitor Wave- meter	PDP9, mag, paper tape X-Yp, Tp&p PBU G/R pulse gen. 1C/r, 3 pen. RIDL	LINE SURVEY OPTY RIDL	Normal driving * H/P Synchr to be record ed in PDP9.
Sat 13										
Sun 14										
Mon 15	C/m									
Tue 16	Dish Performance	Galactic Survey 17 DAY, COOKE	3.4 1 HE, 2 HE + Aerial grp. refer- ence (own) Cold load?	3.4 cont.	Cont. full bandwidth	L.O. for 8.8 MHz. centre.	CRO monitor	PDP9, paper tape, PBU, T/p&p, 1C/r, 3 pen.	Source Pos ⁿ , B/W SURVEY, SUPER SURVEY. Old, new tapes	Day Driving
Wed 17	D. COOPER, <u>YABSLEY</u>									
Thu 18	<u>MONTICONE</u>									
Fri 19	C/m, d/c	Flux Densities at 3.4 cm. <u>SHIMMINS</u> , (WALL), BOLTON, (BUTLER)	3.4 2 horn	3.4 cont.	-	-	-	PDP9, mag, paper tape. T/p&p, 1C/r, 3 pen.	Local	
Sat 20										
Sun 21										
Mon 22	C/m	X-band Spectral line Search <u>BATCHELOR</u> , BROOKS, GODFREY (Monash Uni)	3.4 lin. pol. lateral foc. Cold load	3.4 line	6cm, M.C. 1, 10, 33.3 100 KHz.	H/P Klyst- ron p/s Symec Synch. H/P Synth with comput- er r/o Schl. Synth. Cs Std.	Alfred sweep Gen. X-band prec. att- enuator X-band- wave meter	PDP9, mag, paper tape, X-Yp, PBU G.R. Pulse Gen. for interrupts 1 C/r, 2 pen	LINE LINRED Systems tapes	
Tue 23										
Wed 24										
Thu 25										
Fri 26	C/m, d/c									

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				Front End	Back End					
NOV. Sat 27		Faraday Rotation of Pulsars	75 pol. feed (by observers)	75 pol. (by obs- ervers)	30MHz pol. (by obser- vers)	H/P, Schl. Synth. H/P VHF Osc.	H/P counter Testroniks 453 C.R.O. monitor Telonics sweeper Power meter	PDP9, X-Yp T/p&p High speed paper punch PTU Display CRO	PULSAR POL (by observers)	Driver 1st night after 1700 hrs. All Sunday
Sun 28										
Mon 29	C/m									
Tue 30										
DEC. Wed 1										
Thu 2		ABLES, HAMILTON (Uni. of Tas.) McCULLOCH (Uni. of Tas) KOMESAROFF	Single horn on 64m & 18m 21 E-W Inter- ferometer	21 on both telescopes	Continuum + analogue computer for inter- ferometer	H/P Synth	-	PDP9, mag, paper tape T/p&p 1C/r + 3 pens	Local	Assistance from D.J. COLE and J.D. MURRAY at start.
Fri 3	C/m, d/c									
Sat 4										
Sun 5										
Mon 6	C/m									
Tue 7		Angular Sizes and Flux Densities of Southern Sources	Single horn on 64m & 18m 21 E-W Inter- ferometer	21 on both telescopes	Continuum + analogue computer for inter- ferometer	H/P Synth	-	PDP9, mag, paper tape T/p&p 1C/r + 3 pens	Local	Assistance from D.J. COLE and J.D. MURRAY at start.
Wed 8										
Thu 9										
Fri 10	C/m, d/c									
Sat 11										
Sun 12		BOLTON, SHIMMINS, (WALL), BUTLER	Single horn on 64m & 18m 21 E-W Inter- ferometer	21 on both telescopes	Continuum + analogue computer for inter- ferometer	H/P Synth	-	PDP9, mag, paper tape T/p&p 1C/r + 3 pens	Local	Assistance from D.J. COLE and J.D. MURRAY at start.

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DEC. Mon 13	C/m	Molecular Lines - Acetaldehyde Pyrimide, thioformaldehyde Formaldehyde FOURIKIS, SINCLAIR BROWN, GODFREY (Monash Uni)	9 feed Absorber (liquid air)	9 line	IF's. 30, 6.7, 33.3, 100 KHz filters	H/P Synth. own pump & phase lock	2-4 GHz sweep Power- meter	PDP9, mag, paper tape X-Yp, 1C/r, 3 pen	OPTY LINE LINRED	Absorber in focal plane liquid air
Tue 14										
Wed 15										
Thu 16										
Fri 17	C/m, d/c	H-line absorption interferometer + H ₂ ⁺ line - 1 day	21 feeds on 64m & 18m	21 on both telescopes	Line + Inter- feromet- er	H/P Synth. C _s 1 MHz ϕ p + 1.000039 MHz. osc.	H/P counter 2 wide band CRO's. 1 CRO at each focus	PDP9, mag, paper tape. High speed punch CRO display X-Yp with RIDL.	Old RIDL with computer punch out	Installation by observers with assistance from Parkes staff No driving for first 24 hrs.
Sat 18										
Sun 19										
Mon 20	C/m	COLE, COOKE, MURRAY	N-S Inter- ferometer							
Tue 21										
Wed 22										
Thu 23										
Fri 24	C/m, d/c									
Sat 25	Christmas Shutdown									
Sun 26										