APPENDIX B

MERLIN Observations in Semesters 99A to 00B

Categories For Approved Time

The MERLIN Time Allocation Group (TAG) awards time in the following categories:

A and TO: Highest Priority - Observations are not guaranteed, but in the past all of the observations in this category have usually been completed. TO time is for Target of Opportunity observations. Should these not arise they are covered by additional B priority time.

B: Lower Priority - No commitment is given to complete observations in this category, though a significant number are usually observed. For certain projects, this may include observations with a subset of the MERLIN array.

C: Fill-in - Short observations of a few hours duration for projects in this category may be used to fill scheduling gaps in the A and B programme.

A time is allocated for 80% of the contracted time within a semester when all MERLIN antennas are available and after provision has been made for National Facility EVN commitments and any agreed outstanding engineering programmes.

Observing Success Rate - Semesters 99A to 00B

Runs Observed / Runs Approved	A-Time	B-Time	C-Time	TO-Time
L-band	162/176 (92%)	47/60 (78%)	16	20
C-band	44/44 (100%)	43/45 (96%)	14	19
K-band	30/36 (83%)	-	-	-

Programmes for MERLIN Semester 99A

Project	TITLE	P.I.	L-Band	C-Band	K-Band
99A/01	Do Supernova Remnants Survive in Super Star Clusters? The Case for NGC1569	A. Greve	1A	1A	
99A/02	Observations of Stephan's Quintet	E. Xanthopoulos	2A	1B	
99A/03	Co-ordinated Interplanetary Scintillation Measurements of Solar Wind Acceleration	A. Breen	Scans on 0318+164		
99A/04	OH Maser Observations of R Cas & R Aql	K. Justtanont	2B		
99A/05	Spectral Index Maps of kpc-Scale Flat-Spectrum Sources	P. Augusto	1A		
99A/06	Monitoring & ToO Observations of Classical & Recurrent Novae	M. Bode	1TO	1TO	
99A/07	Large-Scale Structure in the Outer Wind of ε Ori	R. Prinja		3A	
99A/08	Observations of the Expanding Remnant in Cl Cam	A. Mioduszewski	1TO	2TO	
99A/09	Combined Radio/X-Ray Observations of SS433	C. De la Force	3TO		
99A/10	Full Polarization Mapping of Circumstellar OH Shells	M. Szymczak	5A		
99A/11	A Deep Radio/Submillimetre Survey	S. Eales	6A		
99A/12	Further Observations of the Plateau of GRS 1915+105	G. Pooley	3TO	3TO	
99A/13	Continuum Observations of Young Planetary Nebulae	M. Bryce	2A		
99A/14	Symbiotic Stars: Component Motions & Stellar Positions	S. Watson	2B	3B	
99A/15	C & L Band Imaging of OH Masers in Cep A	M. Szymczak	2A+C	1B+C	
99A/16	Imaging the Possible Accretion Torus in NGC2110	C. Mundell		1B	
99A/17	A New Optically-Bright CLASS Lens	N. Jackson	1A	1A	
99A/18	Non-Thermal Components in Radio-Quiet Quasars	N. Jackson	6B		
99A/19	Continuum, OH & HI Line Observations of PKS1830-211	L. Coopmans	1A	1A	
99A/20	Supernova Remnants in NGC4490; A 'Young' Galaxy	M. Clemens	2A	1B	
99A/21	Radio Structures of Narrow Line Seyfert 1s	D. Law-Green			
99A/22	Imaging of X-Ray Luminous Starburst Galaxies	D. Law-Green	6B		
99A/23	CSS Sources in a Fainter Complete Sample	M. Lacy		1B	
99A/24	Lensing in a Complete Sample of Steep-Spectrum Radio Sources	M. Lacy	3A		
99A/25	0850+331 – A Weak CSS with a Precessing Jet	A. Marecki			
99A/26	Imaging the OH Maser Shells Around PPN Objects	T. Gledhill	10A		
99A/27	Reobservation of HI Absorption in 3C293	A. Pedlar	1A		
99A/28	Studies of Selected Seyferts at 20cm	A. Thean	5B+C		
99A/29	MERLIN Observations of Ultraluminous IRAS Galaxies	K. Wills	5B+C		
99A/30	6cm Observations of SNR in M82	K. Wills		1B	
99A/31	H & OH Absorption Against the Starburst in NGC2146	A. Tarchi	2A		
99A/32	1.6 & 5GHz Observations of the Starburst Galaxy NGC2146	A. Tarchi	C	C	
99A/33	Sub-mJy Radio Galaxies & The X-Ray Background	I. McHardy	8A+2B		
99A/34	Search for a Central Star in the Class 0 Source S106 FIR	R. Furuya		C	
99A/35	Towards a Detailed Understanding of Symbiotic Novae	A. Richards		2B	
99A/36	Mapping Excited OH Masers Close to Late-Type Stars	A. Richards		2A+2B	
99A/37	OH MERLIN Observations of the Binary Mira Star O Cet	E. Gerard	1A		
99A/38	OH Maser Polarimetry of S Persei	J. Yates	2A		
99A/39	A Deep MERLIN Survey of the Orion Nebula	J. Meaburn		8A	
99A/40	OH Masers in SS433 Sprinkling Disk	A. Stirling	1A		
99A/41	Thermal & Non-Thermal Behaviour in WR147	S. Watson			
99A/42	Radio Burst Observations of Extra-Solar Planetary Systems	Y. Shiratori			
98B/18	Sakurai's Object - A Star Undergoing a Final Helium Flash	S.Eyres		4TO	
99A/A	1237-101	P. Barthel	0.5Dir		
99A/B	G111.8	M. Bryce	0.5Dir		
99A/C	NGC0253	A. Pedlar		2x0.2Dir	
99A/D	0957+281	P. Wilkinson		0.6Dir	

Programmes for MERLIN Semester 99B

Project	TITLE	P.I.	L-Band	C-Band	K-Band
99B/01	MERLIN & HST Observations of Symbiotic Stars	M. Crocker	6A	4A	
99B/02	A Jet in the Sombrero?	M. Fihlo			
99B/03	Eclipse Mapping of Active Binary Stars	A. Gunn			
99B/04	Radio Jets and Dynamics of FRII Radio Sources	G. Pooley		C	
99B/05	Jets & Masers in YSOs	P. Diamond			2A

99B/06	High-resolution Mapping of H_2O Masers in AGN	Y. Hagiwara			
99B/07	Jet Evolution in Nearby FR1 Radio Galaxies	S. Baum			
99B/08	The Nature of Low-Luminosity AGN	N. Nagar	5A		
99B/09	The Origin of H-α Shells in NGC4449	M. Clemens	1A	1A	
99B/10	A Second Epoch Observation of the Massive YSO S140 IRS 1	M. Hoare		1A	
99B/11	A High Resolution Study of Massive YSO with a Methanol Maser Disk	M. Hoare			1A
99B/12	Imaging of X-Ray Luminous Starburst Galaxies	D. Law-Green		C	
99B/13	Resolving the Synchrotron Jet in W3-H_2O	A. Gibb		1A	
99B/14	Relativistic Ejections From X-Ray Transients	R. Fender	6TO (Any Band)		
99B/15	Identification of Cores In Compact Symmetric Objects	P. Augusto			
99B/16	MERLIN/VLBA Monitoring of WR140	A. Beasley			
99B/17	A Pilot Study for Astrometry of Stars with Water Masers: U Her	W. Vlemmings			1A
99B/18	Mapping the Winds of Four Stars in CYG OB 2	G. Umana			
99B/19	4.7 GHz OH Maser Outburst in W 75N	M. Szymczak		1A	
99B/20	A Search for 22GHz H_2O Maser Emission From PPN Objects	T. Gledhill			2A
99B/21	Evolution of Circumstellar H_2O Masers in Miras & SRs	J. Yates			5A
99B/22	Evolution of H_2O Masers in the CSE of Red Supergiants	J. Yates			
99B/23	22 GHz Masers & Continuum in Seyfert 2 Galaxies & LINERs	E. Xanthopoulos			4A
99B/24	22 GHz Masers & Radio Continuum Observations of Miras	A. Richards			
99B/25	Velocity Variations of H_2O Masers in Star-forming Regions	A. Richards			
99B/26	Targets of Opportunity: Classical & Recurrent Novae	S. Eyres		4TO(C or K)	
99B/27	Symbiotic Stars: Observations of HST Snapshot Targets	S. Eyres			
99B/28	Monitoring of the Slow Nova V723 Cas	S. Eyres			
99B/29	Imaging the H_2O Masers in S68 FIRS 1	J. Yates			1A
99B/30	HI Absorption Observations of OH Megamaser Galaxies	A. Polatidis	5A		
99B/31	TO Observations of New X-ray Transients	R. Ogley			
99B/33	Multi-wavelength Observations of Cyg X-3	R. Spencer			
99B/34	Combined Radio/X-ray Observations of SS433	C. de la Force	3B		
99B/35	Further Observations of the Plateau State of GRS1915+10	G. Pooley	3TO(Any Band)		
99B/36	A High-Resolution L-Band Image of NGC1275	M. Donahue			
99B/37	A Search for Compact Luminous SNR in Nearby Galaxies	K. Wills	1A+3B		
99B/38	Follow-up of 6" to 60" Lens Candidates	P. Phillips	3B		
99B/39	A Variable Radio Core in Markarian 3?	G. Cole			
99B/40	Using Supernova Remnants to Calibrate SFRs in Galaxies	A. McDonald	9B	3B	
99B/41	Origin of Non-Thermal Emission in O-Stars	S. Dougherty		5B	
99B/42	Time-Resolved Coronal Observations of ER Vul	R. Osten	3A		
99B/43	Two Component Radio Structure in WR146?				
99B/44	Radio Imaging of Star Formation in Distant Galaxies	E. Richards	17A		
99B/45	The Proper Motions of Young Pulsars	N. McKay	9A		
98B/18	Sakurai's Object - A Star Undergoing a Final Helium Flash	S. Eyres		4TO	
99A/11	A Deep Radio/Submillimetre Survey (Lovell)	S. Eales	10A		
99A/33	Sub-mJy Radio Galaxies & The X-Ray Background	I. McHardy	8A		
99B/A	SN1999EB	K. Wills	2Dir (Commissioning)		
99B/B	3 Source Snapshots	K. Blundell	1Dir		

Programmes for MERLIN Semester 00A

Project	TITLE	P.I.	L-Band	C-Band	K-Band
00A/01	Acceleration of the Solar Maximum Solar Wind	A. Breen		2A	
00A/02	Observations of the 1720MHz OH Masers in IC443	M. Claussen	1A		
00A/03	Sakurai's Object – A Star Undergoing a Final Helium Shell Flash	S. Eyres		4TO	
00A/04	Relativistic Ejections X-Ray Transients	R. Fender	6TO(Any Band)		
00A/05	Young Radio Sources in the Nearby Universe	I. Snellen			
00A/06	Combined Radio/X-ray Observations of SS433	C. de la Force		1A	
00A/07	Study of the Kinematics of OH Masers Around RT Vir	K. Murakawa	1A		
00A/08	MERLIN Studies of HI Absorption in Starbursts	A. Pedlar	5A		
00A/09	Location of the Core in Three CSSs	F. Mantovani			
00A/10	Is Free-Free Absorption in Seyferts Common at 20cm?	A. Pedlar			
00A/11	OH Maser Emission From Low Mass Protostars	T. Gledhill			
00A/12	Probing the Structure of AG Draconis	R. Ogley		1A	

00A/13	Multi-Frequency Synthesis Observations of B1938+666	A. Biggs			
00A/14	Classical & Recurrant Novae: Targets of Opportunity	S. Eyres		4TO	
00A/15	A Double OH Maser Shell Around 15540+0910	B. Lewis			
00A/16	Does the Magnetic Field Shape AGB and SG Outflows?	A. Richards			
00A/17	Follow-up of Gravitational Lens Candidates	J. Winn		5B	
00A/18	H_2O Masers in Protoplanetary Disks	J. Gallimore			4A
00A/19	Exploring the Nature of the SCUBA Galaxy Population	J. Dunlop			
00A/20	Circular Polarization Studies of SS433	A. Stirling		2B	
00A/21	Multi-epoch Imaging of the Symbiotic Star CH Cygni	M. Crocker			
00A/22	Linear Polarization Studies of SS433	A. Stirling			
00A/23	A Survey of DRAGNs at High Redshift	M. Sandell			
00A/24	High-resolution Mapping of the Jets in 3C31	R. Laing	1A		
00A/25	A Radio Search for Compact Supernova Remnants	K. Wills	1A		
00A/26	The 'Plateau' State of GRS 1915+105	G. Pooley	2TO(Any Band)		
00A/27	The Nature of Radio-Intermediate Quasars	M. Lacy			
00A/28	Final MERLIN Observations of CLASS Lens Candidates	M. Norbury		2A	
00A/29	Imaging of X-ray Luminous Starburst Galaxies	D. Law-Green		4B	
00A/30	HD 125858: Possible Planetary Companion?	D. Law-Green			
00A/31	Symbiotic Stars: Observations of HST Snapshot Targets	S. Eyres		2B	
00A/32	Core Identification in Large CSOs - 2	P. Augusto			
00A/33	22 GHz Masers in Seyfert 2 Galaxies and LINERs	E. Xanthopoulos	1A	3A	
00A/34	The Evolving Shell of the Unusually Slow Nova V723 Cas	T. O'Brien		1B	1A
00A/35	MERLIN/VLBA Monitoring of WR140	A. Beasley	3A		
00A/36	Weak Compact Sources in NGC2146	A. Tarchi			
00A/37	Mass-Loss From the Herbig Be Star MWC297	M. Hoare		1B	
00A/38	Origin of Non-Thermal Emission in O-Stars	S. Dougherty		4A+1B	
00A/39	Resolving the Shocks in Powerful Radio Galaxies	K. Wills		2A	
00A/40	Evolution of H_2O Masers in the CSE of Red Supergiants	J. Yates			2A
00A/41	H_2O Masers in Star-Forming Regions	A. Richards			3A
00A/42	Bright Objects in HII Regions at L & C-Band	H. Kobayashi			
00A/43	Mapping the Winds of Three Stars in CYG OB2	G. Umana		2B	
00A/44	Stellar Activity and Circumstellar Shocks in Miras	A. Richards			1A
00A/45	Continuum Observations of Selected Planetary Nebulae	M. Redman			
00A/46	MERLIN C-Band Observations of 3C171	P. Scheuer		1A	
00A/47	Observations of the Planetary Nebula G111.8	P. Thomasson			
99B/21	Evolution of Circumstellar H_2O Masers in Miras & SRs	J. Yates			6A
99B/29	Imaging the H_2O Masers in S68 FIRS 1	J. Yates			1A
99B/44	Radio Imaging of Star Formation in Distant Galaxies	E. Richards	9A		
00A/A	AD Leo	A. Gunn			1Dir
00A/B	Hen1341	J. Sokoloski			1Dir

Programmes for MERLIN Semester 00B

Project	TITLE	P.I.	L-Band	C-Band	K-Band
00B/01	Relativistic Ejections from X-ray Transients	R. Fender		6TO	
00B/02	Evolving Post-AGB Stars	A. Zijlstra			
00B/03	The Nature of Radio-Intermediate Quasars	M. Lacy	5A+5B		
00B/04	OH Absorption Studies of Selected Starburst Galaxies	R. Beswick	2B		
00B/05	OH Maser Emission from an Unusual Post-AGB Star	M. Sevenster	3A		
00B/06	Probing the HI Absorbing Gas in NGC4261	Y. Pihlstrom	2A		
00B/07	Young Radio Sources in the Nearby Universe	I. Snellen	1B+C		
00B/08	Do Jets Remove Angular Momentum From Circumstellar Disks?	A. Chrysostomou			
00B/09	Exploring the Nature of the SCUBA Galaxy Population	R. Iveson			
00B/10	Core Identification in Large Compact Symmetric Objects	P. Augusto			
00B/11	Probing the Haloes of Galaxies Using Radio-microlensing	I. Koopmans		36A	
00B/12	Observations of New CLASS Lens Systems	P. Phillip	1A	2B	
00B/13	H_2O Maser Distribution & Kinematics in Sgr B2	J. Mendoza-Torres			
00B/14	Observations of SCUBA Galaxy Sample	P. Alexander	5B		
00B/15	A Survey of DRAGNs at High Redshift	M. Sandell	C		
00B/16	HD 125858: A Highly Unusual Radio Star	D. Law-Green	1A	1B	
00B/17	Nucleus of the Andromeda Galaxy at 1.7 GHz	L. Sjouwerman	8A		

99A/20	Supernova Remnants in NGC 4490; A 'Young' Galaxy	M. Clemens	2A	1B
00B/18	Investigating Radio Source Evolution Using Faint CSS Sources	H. Sangera		
00B/19	HI Absorption & OH Megamaser Observations of Starbursts	A. Polatidis	5A	
00B/20	HI & OH Absorption in Galaxy Mergers	P. Alexander	5A	
00B/21	A New Sample of Faint Compact Steep Spectrum Sources	W. Tschager	2A	
00B/22	Deep EG Survey of Optically Identified Objects: Pilot Observations	S. Frey		1A+1B
00B/23	The Evolving Shell of the Unusually Slow Nova V723 Cas	T. O'Brien		2A
00B/24	The Bent Jets of 3C43 & 3C454	R. Spencer		2B
00B/25	A Deep 20cm MERLIN Study of the Hickson Group 16	M. Ward		
00B/26	A MERLIN Study of X-ray Luminous Starburst Galaxies	M. Ward	6B	
99B/44	Radio Imaging of Star Formation in Distant Galaxies	E. Richards	11A	
00A/08	MERLIN Studies of HI Absorption in Starbursts	A. Pedlar	5A	
00A/14	Classical & Recurrant Novae: Targets of Opportunity	S. Eyres		4TO
00A/24	High-resolution Mapping of the Jets in 3C31	R. Laing	1A	
00A/35	MERLIN/VLBA Monitoring of WR140	A. Beasley	3A	
00B/A	M1-92	J. Desmurs	0.7Dir	
00B/B	3C310	N. Gizani	0.5Dir	
00B/C	Orion-WF	J. Mea burn	0.8Dir	