

# GBT Observing Schedule for March 2005

Proposal	Investigators	Institute	NRAO Friend	Title	Bands	Back Ends	Days *	Hrs *
BB202	Bower, G. C. Anderson, J.	UC Berkeley Rice University		Trigonometric Parallax of a Radio Star in the Pleiades [G. C. Bower]	X	V	26	8.00
BJ052	Jerkstrand, A. Conway, J. E. Minier, V. Pestalozzi, M. Booth, R. S. Elitzur, M.	Onsala Sp Obs Onsala Space Observatory CEA Onsala Space Observatory Onsala Space Observatory University of Kentucky		Deep images of the circumstellar methanol disk in NGC7528-IRS1 [A. Jerkstrand]	U	V	27	18.00
GBT01A-020	Hollis, J. M. Jewell, P. R. Snyder, L. E. Lovas, F. J.	NASA/GSFC NRAO-GB University of Illinois National Institute of Standards and Technology	R. Maddalena	A GBT Q-band Search Strategy for Interstellar Glycine [J. M. Hollis]	Q	S	14 15 19 (20 22 24 26 28 29 30 31)	21.00 (55.00)
GBT02A-035	Yun, M. Carilli, C. L. Rupen, M. P. Wootten, H. A. Bertoldi, F. Eales, S. Ivison, R. J.	University of Massachusetts NRAO NRAO - NM NRAO-CV Radioastronomical Institute, University of Bonn Cardiff University Astronomy Technology Centre	F. D. Ghigo	Cosmic Evolution of the Most Luminous Submm Galaxies [M. Yun]	KU	S	6 7 9 10 14	30.50
GBT03C-028	Walter, F. Carilli, C. L. Lo, F.K. Y. Bertoldi, F. Cox, P. Fan, X. Strauss, M. Menten, K. M.	MPIfA NRAO NRAO-CV Radioastronomical Institute, University of Bonn IAS/Institut. d'Astrophys. Spatiale Arizona State University Princeton University Max-Planck-Institut Fur Radioa	G. I. Langston	The Molecular Gas Content in z>6 Quasars: Probing the End of Cosmic Reionization [F. Walter]	Q	S	3 4 11 12	22.00
GBT03C-031	Jacoby, B. Anderson, S. Kulkarni, S. R. Kaplan, D.L. Backer, D. C.	Caltech Astronomy Caltech Physics Caltech Massachusetts Institute of Technology (Astrophysics) University of California, Berkeley	A. Minter	Timing the pulsars in M62, NGC 6544, and NGC 6624 and Search for Ultra-fast pulsars [B. Jacoby]	L8	BGS	4	2.00
GBT04A-001	Vanden Bout, P. A. Solomon, P. Carilli, C. L.	NRAO-CV SUNY at Stony Brook NRAO	R. Maddalena	Q-Band CO Observations [P. A. Vanden Bout]	Q	S	(28)	(4.00)
GBT04B-011	Rickett, B. J. McLaughlin, M. Coles, W. A. Lyne, A. G. Stairs, I.	UCSD University of Manchester University of California, San NRAL University of British Columbia		Scintillation studies of the J0737-3039 binary system [B. J. Rickett]	SC	G	[22 24]	[10.00]

Gregorian Bands: Q=40-50GHz, K=18-26.5GHz, U=12.4-15.4GHz, X=8.2-10.0GHz, C=3.95-5.85GHz, S=1.73-2.6GHz, L=1.15-1.73GHz

Prime Focus Bands: 3=0.29-0.395GHz, 4=0.385-0.520GHz, 6=0.51-0.69GHz, 8=0.68-0.92GHz, A=0.91-1.23GHz

\* [ ] indicates secondary project; ( ) indicates primary project

Back Ends: 2=S2 recorder, B=BCPM, C=cGBPP, D=Digital Continuum Receiver, O=user supplied, P=Spectral Processor, S=Spectrometer, V=VLBA recorder

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	Camilo, F. Freire, Paulo	Columbia Astrophysics Laboratory Arecibo Observatory						
GBT04B-026	Kramer, M. Stairs, I. Camilo, F. McLaughlin, M. Lorimer, D. Lyne, A. G. Manchester, D.R. N. Possenti, A. D'Amico, N. Burgay, M. Freire, Paulo Joshi, B. Ferdman, R.	NRAL University of British Columbia Columbia Astrophysics Laboratory University of Manchester University of Manchester NRAL Australia Telescope Osservatorio di Cagliari Osservatorio di Cagliari Osservatorio di Bologna Arecibo Observatory National Centre for Radio Astrophysics (India) University of British Columbia		Timing the First Double Pulsar System [M. Kramer]	L8	OG	[19 21]	[10.00]
GBT04B-029	Stairs, I. Camilo, F. Kramer, M. Faulkner, A. McLaughlin, M. Lorimer, D. Lyne, A. G. Hobbs, G. Manchester, D.R. N. Possenti, A. D'Amico, N. Burgay, M. Ferdman, R. Ramachandran, R. Backer, D. C. Demorest, P. Nice, D.	University of British Columbia Columbia Astrophysics Laboratory NRAL Nuffield Radio Astronomy Laboratories University of Manchester University of Manchester NRAL Australia Telescope National Facility (ATNF) Australia Telescope Osservatorio di Cagliari Osservatorio di Cagliari Osservatorio di Bologna University of British Columbia UC Berkeley (Astronomy) University of California, Berkeley UC Berkeley (Physics) Princeton University		Timing New Binary and Millisecond Pulsars from the Parkes Multibeam Survey [I. Stairs]	L	BCOG	21 [22 24]	7.00 [6.00]
GBT04C-011	Yun, M.	University of Massachusetts		Hydrogen Recombination Lines in Starburst+AGN Systems [M. Yun]	U	S	13	3.00
GBT04C-013	Jacoby, B. Bailes, M. Ord, S. Kulkarni, S. R. Hotan, H. van Straten, W.	Caltech Astronomy Swinburne University of Technology Swinburne University of Technology Caltech Swinburne University of		Precision Pulsar Timing [B. Jacoby]	8L	R	2	6.50

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		Technology Astron						
GBT04C-028	Chandler, C. Brogan, C.L. Shirley, Y.L. Indebetouw, R.	NRAO-Socorro JCMT NRAO New Mexico Facilities University of Wisconsin at Madison (Astronomy)		A search for CCS in massive protostellar candidates and infrared dark clouds [C. Chandler]	K	S	15 17 19 (21 22 24)	8.00 (10.00)
GBT04C-041	Braatz, J. A. Henkel, C.	NRAO Max-Planck-Institut fur Radioa	J. A. Braatz	Monitoring Extragalactic H2O Masers Discovered with the GBT [J. A. Braatz]	K	S	6 10	4.00
GBT05A-007	Widicus, S. Blake, G.	Caltech Caltech		A Ka- and Q-band complex molecule survey of Orion and Sagittarius B2(N-LMH) [S. Widicus]	BQ	S	(30 31)	(3.50)
GBT05A-010	Robishaw, T. Heiles, C. E.	University of California at Berkeley University of California	A. Minter	Constraining the Magnetic Field in the Taurus Molecular Cloud [T. Robishaw]	L	P	1 [23 25]	1.00 [6.00]
GBT05A-011	Ransom, S. Camilo, F. Stairs, I. Kaspi, V. Hessels, J. W. T. Freire, Paulo	NRAO Columbia Astrophysics Laboratory University of British Columbia McGill University McGill University Arecibo Observatory	S. Ransom	Timing of the Binary and Millisecond Pulsars in Terzan5 [S. Ransom]	S8	GO	5 9 [29 31]	11.50 [14.00]
GBT05A-012	Morgan, L. Urquhart, J. Thompson, M.	University of Kent University of Kent Radio Astronomy Group	R. Maddalena	Ammonia Observations of Bright Rimmed Clouds [L. Morgan]	K	S	(20)	(7.00)
GBT05A-016	Donovan, J. Camilo, F.	Columbia University Columbia Astrophysics Laboratory	S. Ransom	Deep Searches for Young Pulsars in ``Shell'' Supernova Remnants [J. Donovan]	8	BG	3	6.00
GBT05A-018	Hainline, Laura Blain, A. Yun, M. Scoville, N. Z.	Caltech (Physics, Maths and Astronomy) Caltech Astronomy University of Massachusetts Caltech		Searching for cool molecular gas in high-z submillimeter-bright QSOs from CO(1-0) at GBT [Laura Hainline]	B	S	(19 21 23 25 26 27 29 31)	(30.00)
GBT05A-020	Shirley, Y.L. Li, Zhi-Yun	NRAO New Mexico Facilities University of Virginia		The Chemical and Dynamical State of Purportedly Nascent Pre-protostellar Cores in Lynds 1521 [Y.L. Shirley]	KQB	S	14 15 17 18 (20)	16.50 (2.50)
GBT05A-031	Margot, J.L. Peale, S. Slade, M.	Cornell University Dept. of Physics, U. of Calif., Santa Barbara JPL	F. D. Ghigo	The interior of Mercury revealed by its spin dynamics [J.L. Margot]	X	O	13 14 16 18	8.50
GBT05A-032	Greve, T.R. Iverson, R. J. Papadopoulos, P.	Caltech (Physics, Maths and Astronomy) Astronomy Technology Centre		Probing the dense, starforming gas in high-redshift starburst galaxies [T.R. Greve]	K	S	(19 21 22 23 24 25 29 30 31)	(39.50)

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	Smail, I. Blain, A.	Institute for Astronomy, ETH Zurich, Switzerland University of Durham Caltech Astronomy						
GBT05A-033	Stairs, I. Camilo, F. Kramer, M. Faulkner, A. McLaughlin, M. Lorimer, D. Lyne, A. G. Hobbs, G. Manchester, D.R. N. Possenti, A. D'Amico, N. Burgay, M. Ferdman, R. Ramachandran, R. Backer, D. C. Demorest, P. Nice, D.	University of British Columbia Columbia Astrophysics Laboratory NRAL Nuffield Radio Astronomy Laboratories University of Manchester University of Manchester NRAL Australia Telescope National Facility (ATNF) Australia Telescope Osservatorio di Cagliari Osservatorio di Cagliari Osservatorio di Bologna University of British Columbia UC Berkeley (Astronomy) University of California, Berkeley UC Berkeley (Physics) Princeton University		Shapiro Delay in the PSR J1802-2124 System [I. Stairs]	L	OG	12 13 [20]	16.00 [8.00]
GBT05A-038	Stinebring, D. R. Minter, A. Ransom, S. Hill, Alexander	Oberlin College NRAO - Green Bank NRAO Oberlin College	A. Minter	Pulsar Scintillation Arc Time Variations [D. R. Stinebring]	8L	PG	1 2 7 8 9 10 11 12 13 15 16 17 [29 30 31]	76.50 [18.50]
GBT05A-041	Demorest, P. Backer, D. C. Ferdman, R. Stairs, I. Nice, D. Ramachandran, R.	UC Berkeley (Physics) University of California, Berkeley University of British Columbia University of British Columbia Princeton University UC Berkeley (Astronomy)	S. Ransom	Precision Timing of Binary and Millisecond Pulsars [P. Demorest]	L8	COG	17 19 20 21 [21]	18.00 [5.50]
GBT05A-042	Baker, A.C. Mulchaey, J. S. Zabludoff, A. I. O'Neil, K.	University of Maryland Carnegie Institution of Washington (Carnegie Obs.) University of Arizona NRAO - GB	K. O'Neil	HI Observations of Isolated Ellipticals [A.C. Baker]	L	S	1 3 5 6 11 13 [20]	30.50 [7.50]
GD017	Diamond, P. J. Lonsdale, C. J. Lonsdale, C. J. Smith, H. E.	MERLIN/VLBI National Facility Haystack Observatory Caltech IPAC Caltech		Monitoring the evolution of the compact emission of Arp220 [P. J. Diamond]	L	V	7	14.00
GD018	Darling, J. Diamond, P. J.	Carnegie Institution of Washington (Headquartes)		VLBI of the variable OH megmaser source IRAS02524+2046 [J. Darling]	L	V	4	7.50

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MERLIN/VLBI National Facility								
Maint	NRAO staff			Maintenance			1 2 3 8 9 16 [22 23 24 25 29 30 31]	49.50 [59.50]
Not Sched	NRAO staff						(29 31)	(3.50)
Setup	NRAO staff			Observation setup	XUQKL8SCB	VSBGOCR	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 26 27 [19 20 21 22 23 24 25 29 31] (19 20 21 22 23 24 25 26 27 28 29 30 31)	58.50 [15.00] (31.00)
Tests	NRAO staff			GenTests	KQB	DSP	(22 23 24 25)	(48.00)
Tests	NRAO staff			M&C Integ Tests	LSKQ	DSP	[22 23 24 25]	[16.00]
Tests	NRAO staff			M&C Integ	KQB	DSP	(30)	(4.00)
Tests	Braatz			M&C Reg Tests	LSKQ	DSP	[25 26 27 28]	[22.00]
Tests	Clark			M&C tests	L	DSP	10	2.00
Tests	Langston			PCO	BQ	S	5	2.00
Tests	Langston			PCO Ka	B	DSP	18	9.00
Tests	Balser			PTCS	LSKQB	DSP	9 10 17 18	25.00
Tests	Mason			RCO Ka band	B	DSP	(26 28)	(15.00)
Tests	Norrod			RCVR tests	LKQCSX	SGDP	3 8	5.00
Total Hrs	Astronomy	487.50		85.50				
	Setup	89.50		15.00				
	Maintenance	49.50		59.50				
	Un-assigned	7.50						
	Tests	110.00		38				

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