

# GBT Observing Schedule for June 2006

Proposal	Investigators	Institute	NRAO Friend	Title	Bands	Back Ends	Days *	Hrs *
BU031	Ulvestad, J. Neff, S. G.	NRAO - Socorro GSFC		A Search for Young Supernovae in the Antennae Galaxies [J. Ulvestad]	S	V	24	5.00
GB058	Bartel, N. Rupen, M. P. Bietenholz, M. F. Beasley, T.A. Graham, D.A. Altunin, V. Venturi, T. Umana, G. Cannon, W. Conway, J. E.	York University NRAO - SOC York University Caltech Owens Valley Radio Obs MPIfR JPL Istituto di Radioastronomia Istituto di Radioastronomia, C York University Onsala Space Observatory		SN1993J: structural and spectral evolution at 6 and 18 cm [N. Bartel]	C	V	16 17	12.00
GBT04C-031	Kondratko, P.T. Greenhill, L. J. Moran, J. M. Lovell, J.E.J. Kuijper, T. B. H. Jauncey, D. L.	Harvard University CfA CfA ATNFc/o COSSA JPL ATNF	Jim Braatz	Monitoring of Five NGC4258-like Water Megamasers Discovered with the GBT and the DSN [P.T. Kondratko]	K	S	(2 3 4 5)	(27.00)
GBT04C-043	Ransom, S. Freire, P. Gupta, Y.	NRAO - CV Arecibo Observatory National Centre for Radio Astrophysics	Scott Ransom	Timing the Eccentric Millisecond Pulsar Binary in Globular Cluster NGC 1851 [S. Ransom]	8	G	[2 4]	[4.00]
GBT05B-034	Stairs, I. Camilo, F. Kramer, M. Faulkner, A. McLaughlin, M. 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 Jodrell Bank Jodrell Bank Observatory Jodrell Bank Observatory NRAL Australia Telescope National Facility (ATNF) Australia Telescope Osservatorio di Cagliari Osservatorio di Cagliari Istituto Nazionale di Astrofisica University of British Columbia UC Berkeley (Astronomy) University of California, Berkeley UC Berkeley (Physics) Princeton University	Scott Ransom	Timing Binary and Millisecond Pulsars from the Parkes Multibeam Survey [I. Stairs]	L	BOG	18 20 21 [1]	9.50 [1.50]
GBT05B-042	Kramer, M. Stairs, I. Camilo, F. McLaughlin, M. Lyne, A. G. Manchester, D.R. N.	Jodrell Bank University of British Columbia Columbia Astrophysics Laboratory Jodrell Bank Observatory NRAL Australia Telescope Osservatorio di Cagliari	Scott Ransom	Timing and General Relativity in the Double Pulsar System [M. Kramer]	L8	BOG	10	5.00

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

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	Possenti, A. D'Amico, N. Burgay, M. Freire, P. Joshi, B. Ferdman, R.	Osservatorio di Cagliari Istituto Nazionale di Astrofisica Arecibo Observatory National Centre for Radio Astrophysics (India) University of British Columbia						
GBT05C-022	Braatz, J. A. Henkel, C.	NRAO - CV Max-Planck-Institut fur Radioa	Jim Braatz	The Accretion Disks and Supermassive Black Holes in NGC 2273 and NGC 4051 [J. A. Braatz]	K	S	(9 11)	(8.00)
GBT05C-023	Camilo, F. Ransom, S. Gaensler, B.M. Slane, P.O. Lorimer, D. Manchester, D.R. N.	Columbia Astrophysics Laboratory NRAO - CV CFA CfA Jodrell Bank Observatory Australia Telescope	Scott Ransom	PSR J1833-1034, the Very Young Pulsar in the SNR G21.5-0.9 [F. Camilo]	8	GB	30 (6 8)	0.50 (2.00)
GBT05C-042	Ransom, S. Freire, P. Hessels, J. W. T. Begin, S. Stairs, I. Camilo, F. Kaspi, V.	NRAO - CV Arecibo Observatory McGill University University of British Columbia University of British Columbia Columbia Astrophysics Laboratory McGill University	Scott Ransom	Timing the Binary and Millisecond Pulsars in NGC6440 and NGC6441 [S. Ransom]	S	GY	8 9	7.00
GBT05C-046	Stairs, I. Lorimer, D.	University of British Columbia Jodrell Bank Observatory	Scott Ransom	Timing of a Relativistic Binary and other Pulsars from the Arecibo PALFA Survey [I. Stairs]	LS	YG	10 11 [6 8]	8.00 [9.00]
GBT06A-007	Possenti, A. McLaughlin, M. Burgay, M. Turolla, R. Popov, S. Zane, S.	Osservatorio di Cagliari Jodrell Bank Observatory Istituto Nazionale di Astrofisica University of Padua Sternberg Astronomical Institute, Moscow MSSL	Scott Ransom	Searching bursting radio emission from X-ray Dim Isolated Neutron Stars (XDINSs) [A. Possenti]	8	GB	2	9.00
GBT06A-014	Tarchi, A. Henkel, C. Brunthaler, A. Braatz, J. A.	Istituto di Radioastronomia Max-Planck-Institut fur Radioa MPIfR NRAO - CV	Jim Braatz	H2O vs Continuum in the Megamaser 3C403: Reverberation Mapping of the Nucleus [J. A. Braatz]	K	S	(5 7)	(4.00)
GBT06A-018	McMullin, J. Balsler, D.S.	NRAO-SOC NRAO - Green Bank	Dana Balsler	Isotopic Abundances in Planetary Nebulae [D.S. Balsler]	Q	S	(1)	(4.00)
GBT06A-019	Osten, R.A.	NRAO-CV	Scott Ransom	Wideband Dynamic Spectroscopy of Coherent Radio Bursts on Active M Dwarfs [R.A. Osten]	S	G	1	5.00
GBT06A-026	Kanekar, N. Ellison, S.E. York, B	NRAO-AOC University of Victoria University of Victoria	Toney Minter	A search for 21cm absorption towards MgII absorbers in the redshift desert [N. Kanekar]	8	P	17	3.00

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GBT06A-046	Langston, G. I. Turner, B.	NRAO-GB NRAO-CV	Glen Langston	A search for the Largest Interstellar Molecule, HC <sub>13</sub> N [G. I. Langston]	U	S	11 23 [9 11]	5.50 [8.50]
GBT06A-047	Requena-Torres, M.A. Martin-Pintado, J. Martin, S. Morris, M. R. Rodriguez-Franco, A.	Consejo Superior de Investigaciones (CSIC) Consejo Superior de Investigaciones (CSIC) Instituto de RadioAstronomia Milimetrica (IRAM) UCLA DAMIR-IEM-CSIC	Ron Maddalena	Complex Molecules in the Galactic Center molecular clouds [M.A. Requena-Torres]	U	S	(1)	(3.00)
GBT06A-053	Ransom, S. Hessels, J. W. T. Stairs, I. Freire, P. Kaspi, V. Camilo, F.	NRAO - CV McGill University University of British Columbia Arecibo Observatory McGill University Columbia Astrophysics Laboratory	Scott Ransom	Continued Timing of the Binary and Millisecond Pulsars in Terzan 5 [S. Ransom]	S	G	9 10	7.50
GBT06A-054	Demorest, P. Backer, D. C. Ferdman, R. Stairs, I. Nice, D. Jacoby, B.A. Bailes, M. Ord, S.	UC Berkeley (Physics) University of California, Berkeley University of British Columbia University of British Columbia Princeton University Naval Research Lab Swinburne University of Technology Swinburne University of Technology	Scott Ransom	Long-term Precision Timing of Millisecond Pulsars [P. Demorest]	L8	YR	3 4 [2 3 4 5]	8.50 [17.00]
GBT06A-061	Zwaan, M.A. Perox, C. Liske, J. Murphy, M. T. Bouche, Nicolas Curran, S.	European Southern Observatory (ESO) European Southern Observatory (ESO) European Southern Observatory (ESO) Cambridge, University of Max-Planck-Institut for extraterrestrische Physik University of New South Wales	Karen O'Neil	HI 21-cm absorption in MgII and CaII absorbers [M.A. Zwaan]	8	S	15	2.50
GBT06A-063	Zwaan, M.A. Perox, C. Liske, J. Murphy, M. T. Bouche, Nicolas Curran, S.	European Southern Observatory (ESO) European Southern Observatory (ESO) European Southern Observatory (ESO) Cambridge, University of Max-Planck-Institut for extraterrestrische Physik University of New South Wales	Karen O'Neil	Where are the molecular absorption lines? [M.A. Zwaan]	L	S	17 [2 4]	5.50 [6.00]

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GBT06A-070	Camilo, F. Ransom, S. Halpern, J. P. Helfand, D. J.	Columbia Astrophysics Laboratory NRAO - CV Columbia University Columbia University	Scott Ransom	A new radio transient [F. Camilo]	CUSX83	BGM	15 16 19 20	8.00
GBT06B-019	Minter, A.	NRAO - Green Bank	Toney Minter	Obtaining A Complete Sample Of Pulsar OH Absorption With The GBT [A. Minter]	L	M	1 2 28 29 [1 5 7]	6.50 [6.00]
GBT06B-020	O'Neil, K. Davies, J. Auld, R. Martin, B. Boselli, A. Bothun, G. D. Brosch, N. Brinks, E. Cantinells, Barbara Disney, M. J. de Blok, E. Gavazzi, G. Giovanelli, R. Haynes, M. P. Henning, T. Hoffman, G. L. Irwin, J. Karachentsev, I.D. Kilborn, V.A. Koribalski, B. Linder, S.M. Minchin, R.F. Momjian, E. Putman, M. Rosenberg, J.L. Sabatini, Sabina Schneider, S. E. Spekkens, K. van Driel, W.	NRAO - GB Cardiff University University of Cardiff ESO Observatoire de Paris University of Oregon Tel Aviv University INAOE NAIC University College, Cardiff University of Cardiff Universita di Milano Cornell University Cornell University University of New Mexico Lafayette College Queen's University SAO Swinburne Univeristy of Technology Australia Telescope National F Cardiff NAIC Arecibo Observatory (Puerto Rico) University of Michigan Center for Astrophysics, Harvard Osservatorio Astronomico di Roma University of Massachusetts Cornell University DAEC, Observatoir de Meudon	Karen O'Neil	HI in Galaxies and Environments [K. O'Neil]	L	S	23 24 25	9.50
GBT06B-021	Masters, K. Huchra, J. Crook, A. Macri, L. Jarrett, T.H.	Harvard-Smithsonian Center for Astrophysics Center for Astrophysics MIT National Optical Astronomy Observatory (NOAO) Caltech	Frank Ghigo	Mapping Matter in the Nearby Universe with 2MASS [K. Masters]	L	S	3 16 17 18 21 22 [2 4 18 24]	25.50 [15.75]
GBT06B-022	Zwaan, M.A. Peroux, C. Liske, J.	European Southern Observatory (ESO) European Southern Observatory	Larry Morgan	A search for molecules in Call absorbers [M.A. Zwaan]	8	S	8 9 10	9.75

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	Murphy, M. T. Bouche, Nicolas Curran, S.	(ESO) European Southern Observatory (ESO) Cambridge, University of Max-Planck-Institut for extraterrestrische Physik University of New South Wales						
GBT06B-023	Mangum, J. G. Menten, K. M. Henkel, C. Darling, J.	NRAO Charlottesville Max-Planck-Institut Fur Radioa Max-Planck-Institut fur Radioa Colorado at Boulder, University of	Frank Ghigo	Formaldehyde Densitometry of External Galaxies [J. G. Mangum]	CU	S	7 8 9 10 11 12 13 14 15	53.00
GBT06B-028	Stairs, I. Thorsett, S. Arzoumanian, Z.	University of British Columbia University of California, Santa Cruz NASA/GSFC	Scott Ransom	Timing the Planet Pulsar in M4 [I. Stairs]	L	BY	14	1.00
GBT06B-029	McSwain, G. Ransom, S. Roberts, M. Boyajian, T. Grundstrom, E. Gies, D.	Yale University NRAO - CV Eureka Scientific, Inc. Georgia State University Georgia State University Georgia State University	Scott Ransom	Pulsars in Quiet Massive X-ray Binary Candidates [G. McSwain]	S8	G	3 11 23	13.00
GBT06B-030	Martin, P.G. Boothroyd, A. Viero, M. Miville-Deschenes, M. Lockman, F. J.	University of Toronto University of Toronto University of Toronto IAS Univ. Paris-Sud NRAO-GB	Jay Lockman	Characterizing Dust Evolution in Intermediate Velocity Clouds [P.G. Martin]	L	S	12 14 22 23 [18 24]	17.75 [7.25]
GBT06B-031	Muno, M. P. Ransom, S. Figer, D.	UC Los Angeles NRAO - CV STScI	Scott Ransom	Searching for Pulsars in Massive Young Star Clusters [S. Ransom]	8	G	12 13 21 22	10.50
GBT06B-032	Begin, S. Freire, P. Ransom, S. Stairs, I. Hessels, J. W. T. Kaspi, V. Camilo, F.	University of British Columbia Arecibo Observatory NRAO - CV University of British Columbia McGill University McGill University Columbia Astrophysics Laboratory	Scott Ransom	Timing of the Binary and Millisecond Pulsars in M28 [S. Begin]	S	G	15	3.50
GBT06B-033	Hessels, J. W. T. Ransom, S. Kaspi, V. Champion, David Roberts, M.	McGill University NRAO - CV McGill University McGill University Eureka Scientific, Inc.	Scott Ransom	Completing a 350-MHz Survey of the Galactic Plane for Pulsars and Transients [J. W. T. Hessels]	83	G	17 18 20 24	7.00
GBT06B-035	Kent, B. Giovannelli, R. Haynes, M. P.	Cornell University Cornell University Cornell University	Frank Ghigo	ALFALFA HI Clouds: Milky Way HVCs or Virgo Cluster Harassment Remnants? [B. Kent]	L	S	27 29 30	10.00

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	Lockman, F. J.	NRAO-GB						
GBT06B-040	Kanekar, N. Frail, D. A. Macquart, J.P. van Straten, W.	NRAO-AOC NRAO-SOC NRAO - Soc Astron	Scott Ransom	A Targeted High Frequency Search for Pulsars at the Galactic Center [N. Kanekar]	U	G	(22 23 24 25 27 28 29 30)	(30.25)
GBT06B-044	Ferdman, R. Stairs, I. Backer, D. C. Burgay, M. Camilo, F. D'Amico, N. Demorest, P. Faulkner, A. Hobbs, G. Kramer, M. Lorimer, D. Lyne, A. G. Manchester, D.R. N. McLaughlin, M. Nice, D. Possenti, A.	University of British Columbia University of British Columbia University of California, Berkeley Istituto Nazionale di Astrofisica Columbia Astrophysics Laboratory Osservatorio di Cagliari UC Berkeley (Physics) Jodrell Bank Observatory Australia Telescope National Facility (ATNF) Jodrell Bank Jodrell Bank Observatory NRAL Australia Telescope Jodrell Bank Observatory Princeton University Osservatorio di Cagliari	Scott Ransom	Timing Binary and Millisecond Pulsars from the Parkes Multibeam Survey [R. Ferdman]	L	YGB	18 19 22 23 25 26 30	27.00
GBT06B-045	Hewitt, J. Yusef-Zadeh, F.	Northwestern University Northwestern University	Scott Ransom	A Continued Search for Supernova Remnant Masers [J. Hewitt]	L	S	[1 22 23 24 25 27 28 29 30]	[35.00]
GBT06B-049	Margot, J.L. Peale, S. Jurgens, R. Slade, M.	Cornell University Dept. of Physics, U. of Calif., Santa Barbara JPL JPL	Frank Ghigo	High-precision measurements of the spin of Mercury [J.L. Margot]	X	X	29	2.25
GD021	Diamond, P. J. Lonsdale, C. J. Thrall, H. Lonsdale, C. J. Smith, H. E. Conway, J. E. Parra, R.	MERLIN/VLBI National Facility Haystack Observatory Manchester Caltech IPAC University of Calif - San Diego Onsala Space Observatory OSO		Monitoring the evolution of the compact emission of Arp220 [P. J. Diamond]	LC	V5	6 7 17 18	16.00
GM062	Orienti, M. Morganti, R. Dallacasa, D. Oosterloo, T.	Bologna NFRA/ASTRON Issst. Radioastronomia NFRA/ASTRON		What causes the very broad HI absorption in radio galaxies? [R. Morganti]	L	V	5 6	7.50
GV018	Kanekar, N. Vermeulen, R. Briggs, F. H.	NRAO-AOC Stichting ASTRON ANU		The kinematics of a gravitational lens at z # 0.7645 [R. Vermeulen]	8	V	3 4	8.00

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Calibratio	NRAO staff			Un-assigned Calibration	KUX	DSP	(18 24)	(19.50)
Calibratio	NRAO staff			SCAL	LSX	DSP	(2 4)	(9.50)
Maint	NRAO staff			Maintenance			1 5 6 7 8 12 13 14 15 19 20 21 22 26 27 28 29	173.75
Not Sched	NRAO staff						19 24 25 26 (6 8)	6.00 (7.50)
Setup	NRAO staff		Jim Braatz Scott Ransom Dana	Observation setup	SCK8LQUX3	VSGBOYPRM DX	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 27 28 29 30 [1 2 4 5 6 7 8 9 18 22 23 24 25 27 28 29] (1 2 4 5 6 7 8 9 11 22 23 25 27 28 29)	37.50 [12.50] (8.00)
Tests	NRAO staff			CV SS	ULCX	DSP	26 27	13.50
Tests	NRAO staff			GB SS	LK	DSP	30	10.75
Tests	NRAO staff			M&C Integ	LSK	DSP	19 21 28	12.00
Tests	Braatz			M&C Reg tests	LSX	DSP	25	10.00
Tests	NRAO staff			RCO*3 340MHz	3	DSP	19	1.50
Tests	NRAO staff			RCO*8 800 MHz	8	DSP	20	3.00
Total Hrs	Astronomy Setup Calibration Maintenance Un-assigned Tests	407.50 45.50 29.00 173.75 13.50 50.75	110.00 12.50					

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