

# GBT Observing Schedule for June 2009

Proposal	Investigators	Institute	NRAO Friend	Title	Bands	Back Ends	Days *	Hrs *
BB240	Bower, G. C. Bolatto, A. Ford, E. Kalas, P.	UC Berkeley University of California at Berkeley University of Amsterdam Calif.-Berkeley	Frank Ghigo	RIPL: Radio Interferometric PLANet Search [G. C. Bower]	X	5	6 13 14 19 20 26 27	34.25
BM305	Momjian, E. Wang, W.-H. Carilli, C. L.	Arecibo Observatory (Puerto Rico) National Radio Astronomy Observatory NRAO - Socorro	Jules Harnett	Resolving the Radio Emission of the Luminous SMM Galaxy GOODS 850-16 Resolving the Radio Emission of the Luminous SMM Galaxy GOODS 850-16 [E. Momjian]	L	5	27 28	8.50
GBT04A-003	Curran, S. Whiting, M. Webb, J. Murphy, M. T. Pihlstrom, Y. Wiklund, T. Francis, P.	University of New South Wales Australia Telescope National Facility University of New South Wales Cambridge, University of UNM Space Telescope Science Institute Australian National University	Carl Bignell	Highly Redshifted HI and OH Absorption in Red Quasars [S. Curran]	A8	SP	5 27	3.75
GBT05C-027	Mangum, J. G. Wooten, H. A.	NRAO Charlottesville NRAO-CV	Dana Balsler	An Exact Identification of High Densities in Molecular Clouds [J. G. Mangum]	U	S	5 18	2.00
GBT07A-087	Demorest, P. Jacoby, B.A. Ferdman, R. Backer, D. C. Stairs, I. Nice, D. Lommen, A. Ransom, S. Bailes, M. Cognard, I	UC Berkeley (Physics) Naval Research Lab University of British Columbia University of California, Berkeley University of British Columbia Bryn Mawr College Franklin and Marshall College NRAO - CV Swinburne University of Technology CNRS-Orleans	Scott Ransom	Detecting nHz Gravitational Radiation using a Pulsar Timing Array [P. Demorest]	8L	YR	21 22 23	14.75
GBT08A-037	Edel, S. Ludovici, D. Lorimer, D. McLaughlin, M. Kondratiev, V. Ridley, J.	West Virginia University WVU West Virginia University	Scott Ransom	Radio monitoring of magnetars [D. Lorimer]	S	G	14 15	4.50
GBT08A-085	Maan, Y. Deshpande, A.A.	Arecibo Observatory	Karen O'Neil	"Tomography" of Pulsar Polar Emission Region [Y. Maan]	R	O	1 3	2.00
GBT08B-010	Ruffle, P. Kobayashi, N. Millar, T. Saito, M. Yasui, C.	Queen's University Belfast Center for Astrophysics	Paul Ruffle	Molecular Line Survey of Edge Cloud 2 Southern Core [P. Ruffle]	U	S	20	4.75
GBT08B-014	Kanekar, N. Chengalur, J.	NRAO-AOC NCRA (TIFR)	Ron Maddalena	Probing changes in fundamental constants with conjugate satellite OH lines [N. Kanekar]	L	S	11 13	7.00

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	Ghosh, T.	Arecibo Observatory						
GBT08B-025	Kramer, M. Stairs, I. McLaughlin, M. Ferdman, R. Camilo, F. Lyne, A. G. Manchester, D.R. N. Possenti, A. D'Amico, N. Burgay, M. Freire, P.	Jodrell Bank University of British Columbia WVU University of British Columbia Columbia Astrophysics Laboratory Manchester, University of Australia Telescope Istituto Nazionale di Astrofisica Osservatorio di Cagliari Istituto Nazionale di Astrofisica Arecibo Observatory	Scott Ransom	Timing and General Relativity in the Double Pulsar System [M. Kramer]	8	YBG	20	5.50
GBT08B-026	Minter, A. Dennison, B. K. Dickens, L.	NRAO - Green Bank Virginia Polytechnic Institute	Toney Minter	The H 2p-2s fine-structure line toward HII Regions and Planetary Nebulae [A. Minter]	X	S	7 9 29 30	15.25
GBT08C-014	Camilo, F. Ransom, S. Halpern, J. P. Reynolds, J. E.	Columbia Astrophysics Laboratory NRAO - CV Columbia University Australia Telescope National F	Scott Ransom	Studying the magnetar XTE J1810-197 [F. Camilo]	SL	G	11 24	2.50
GBT08C-023	Camilo, F. Ransom, S. Roberts, M. McLaughlin, M. Arzoumanian, Z. Freire, P. Romani, R. W. Halpern, J. P. Ray, P.S.	Columbia Astrophysics Laboratory NRAO - CV Eureka Scientific, Inc. WVU NASA/GSFC Arecibo Observatory Stanford University Columbia University Naval Research Lab	Scott Ransom	GLAST timing at GBT: six key radio-faint pulsars [F. Camilo]	3S8	G	11 21 26	8.75
GBT08C-049	Lynch, R. Ransom, S. Freire, P. Stairs, I.	Virginia, University of NRAO - CV Arecibo Observatory University of British Columbia	Scott Ransom	Timing of Newly Discovered MSPs in the Globular Cluster NGC6517 [R. Lynch]	S	U	19	4.50
GBT09A-002	Anderson, L. Bania, T. M. Balsler, D.S. Rood, R. T.	Boston University NRAO - Green Bank University of Virginia	Dana Balsler	Discovering Milky Way HII Regions [L. Anderson]	X	DS	8 16 23 24 25 26	14.25
GBT09A-003	Freire, P. Ransom, S. Lynch, R.	Arecibo Observatory NRAO - CV Virginia, University of	Scott Ransom	Timing the pulsars in M62, NGC 6544 and NGC 6624 [P. Freire]	S	UG	1	3.00
GBT09A-007	Lockman, F. J. Burton, W. B.	NRAO-GB	Jay Lockman	Straightening Out the Galactic Warp [F. J. Lockman]	L	S	3 18 27	7.25

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GBT09A-034	Garcia-Marin, M. Eckart, A. Koenig, S. Fischer, S. Zuther, J. Huchtmeier, W. K. Bertram, T.	University of Cologne  Max-Planck-Institut fur Radioa	Jules Harnett	21 cm HI Observations of intermediate-z Clusters of Galaxies [M. Garcia-Marin]	A	S	10	2.00
GBT09A-049	Rosen, R. Demorest, P. Clemens, C.	North Carolina, University of UC Berkeley (Physics) North Carolina, University of	Scott Ransom	Observational Tests for Non-radial Oscillations in Radio Pulsars [R. Rosen]	L	U	9	3.00
GBT09A-055	Stocke, J. T. Darling, J. Yan, T.	University of Colorado Colorado at Boulder, University of	Jules Harnett	A New Approach to Discovering Highly Obscured Radio-Loud Quasars [J. Darling]	A	S	8	2.50
GBT09A-058	Rosen, R. McLaughlin, M. Lorimer, D. Heatherly, S.	North Carolina, University of WVU West Virginia University NRAO-GB	Scott Ransom	Confirmation Observations of New Pulsars Discovered by the PSC [R. Rosen]	8	G	26 27	4.75
GBT09A-062	Camilo, F. Halpern, J. P. Ransom, S. Gotthelf, E.V.	Columbia Astrophysics Laboratory Columbia University NRAO - CV University of Columbia	Scott Ransom	New pulsar identifications of TeV gamma-ray sources [F. Camilo]	S	G	17 21 22	8.25
GBT09A-081	Kondratiev, V. Lorimer, D. McLaughlin, M.	West Virginia University West Virginia University WVU	Scott Ransom	A search for giant pulses in interpulse pulsars [V. Kondratiev]	3	G	12 15	6.50
GBT09A-098	Arzoumanian, Z. Ransom, S.	NASA/GSFC NRAO - CV	Scott Ransom	Confirming a candidate 24 ms pulsar in SNR G76.9+1.0 [Z. Arzoumanian]	L	U	4	3.75
GBT09A-099	Kanekar, N.	NRAO-AOC	Toney Minter	Probing changes in the proton-electron mass ratio with radio molecular lines. [N. Kanekar]	X	S	5	1.50
GBT09B-001	Bania, T. M. Balsler, D.S. Anderson, L. Rood, R. T.	Boston University NRAO - Green Bank  University of Virginia	Dana Balsler	Searching for Star Formation in the 3 kpc Arm [T. M. Bania]	X	SD	6 7 8 9 10 30	21.50
GBT09B-002	Anderson, L. Bania, T. M. Balsler, D.S. Rood, R. T.	Boston University NRAO - Green Bank University of Virginia	Dana Balsler	Discovering Milky Way HII Regions [L. Anderson]	X	DS	1 6 11 28 29	13.50
GBT09B-003	Crawford, F. Lorimer, D. McLaughlin, M. Faulkner, A. Kramer, M. Lyne, A. G.	Haverford College West Virginia University WVU University of Manchester Jodrell Bank Manchester, University of	Scott Ransom	On the Trail of the Enigmatic Millisecond Binary Pulsar PSR J1723-28 [F. Crawford]	8	U	23	4.00

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	Stairs, I. Camilo, F. Burgay, M. Possenti, A. D'Amico, N. Gilpin, C.	University of British Columbia Columbia Astrophysics Laboratory Istituto Nazionale di Astrofisica Istituto Nazionale di Astrofisica Osservatorio di Cagliari						
GBT09B-004	Gwinn, C. R. Johnson, M. Minter, A. Demorest, P. Kondratiev, V. Smirnova, T.	University of California, Sant  NRAO - Green Bank UC Berkeley (Physics) West Virginia University	Toney Minter	Noise and Signal in Pulsar Scintillation [C. R. Gwinn]	3	OYM	12 13	9.50
GBT09B-005	Stocke, J. T. Darling, J. Yan, T.	University of Colorado Colorado at Boulder, University of	Jules Harnett	A Search for HI Absorption Toward Red AGN in Non-Elliptical Host Galaxies [J. Darling]	A	S	6 8	3.00
GBT09B-006	Camilo, F. Ransom, S. Chatterjee, S. Ray, P.S. Lorimer, D.	Columbia Astrophysics Laboratory NRAO - CV Center for Astrophysics Naval Research Lab West Virginia University	Scott Ransom	Three newly discovered pulsars [F. Camilo]	SL	U	15 22 25	10.00
GBT09B-008	Rubio-Herrera, E Stappers, B. Hessels, J. W. T.	University of Manchester ASTRON	Scott Ransom	Confirmation of Radio Pulsar Candidates in M31 [S. M. Rucinski]	3	G	13	9.00
GBT09B-010	Remijan, A. Meier, D.S. Stork, Wilmer	National Radio Astronomy Observatory National Radio Astronomy Observatory Parkland College	Tony Remijan	Surveying Cyanofornaldehyde (CNCHO) in Galactic Environments [A. Remijan]	X	S	28	7.50
GBT09B-011	Whelan, D. Privon, G. Walker, L. Johnson, K. Kepley, A.	University of Virginia  University of Virginia University of Virginia University of Wisconsin at Madison (Astronomy)	Daniel Perera	HI Mass Determinations of Compact Groups of Galaxies [D. Whelan]	L	S	1 2 16 17	16.25
GBT09B-012	Rudnick, L. Farnsworth, D. Brown, S.	University of Minnesota University of Minnesota University of Minnesota	Jules Harnett	Relativistic Probes of the WHIM (redux) [L. Rudnick]	L	S	14 18 19 26 28 30	30.00
GBT09B-013	Aravena, M. Wagg, J. Wilner, D. Menten, K. M. Carilli, C. L. Humphreys, E.M.L.	NRAO - Soc Center for Astrophysics Max-Planck-Institut Fur Radioa NRAO - Socorro Harvard-Smithsonian Center for Astrophysics	Toney Minter	A search for luminous H2O maser emission in lensed, FIR luminous QSOs at z~4 [M. Aravena]	C	S	7 14	4.50

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GBT09B-016	Pisano, D.J.	NRAO-GB	D.J. Pisano	Searching for low column density HI around NGC 2997 and NGC 6946 [D.J. Pisano]	L	S	4 5 29	11.25
GBT09B-018	Deneva, J. Cordes, J. M. Lazio, T.J.W.	Cornell University NAIC and Cornell University Naval Research Laboratory	Scott Ransom	Two Very Dispersed Pulsars Near SgrA*: Continued Timing and Spectrum Estimation [J. Deneva]	US	G	4 17 18 19 26	9.00
GBT09B-019	Tibbs, C. Dickinson, Clive Davies, R. D. Watson, R. Davis, R. J. Mason, B.S. Paladini, R. Casassus, S. Cleary, Kieran	Jet Propulsion Laboratory University of Durham  University of Manchester NRAO Green Bank Facility California Institute of Technology Chile, Universidad de Jet Propulsion Laboratory	Brian Mason	Constraining the Anomalous Emission in the Perseus Region on Arcminute Scales [C. Tibbs]	CL	D	5 6 7	14.25
GBT09B-022	Rood, R. T. Bania, T. M. Balsler, D.S.	University of Virginia Boston University NRAO - Green Bank	Dana Balsler	Constraining Galactic Chemical Evolution: 3-Helium Benchmark Abundances in S209 [R. T. Rood]	X	DS	21	10.50
GBT09B-028	McLaughlin, M. Lyne, A. G. Kramer, M. Miller, J. Lorimer, D. Keane, E.	WVU Manchester, University of Jodrell Bank  West Virginia University	Scott Ransom	Timing of New and Old Rotating Radio Transient Sources [M. McLaughlin]	8	U	15 16 29	7.50
GBT09B-030	Cannon, J.M. Rosenberg, J.L. Salzer, J.	University of Minnesota Center for Astrophysics, Harvard Wesleyan University	Frank Ghigo	Optically Compact Dwarf Galaxies [J.M. Cannon]	L	S	8 10 20	11.75
GBT09B-031	Lynch, R. Ransom, S. Lorimer, D. McLaughlin, M. Stairs, I. Kaspi, V. Cordes, J. M. Champion, D. Archibald, A. Kondratiev, V. Boyles, J. Hessels, J. W. T. McPhee, C. Roberts, M. Kasian, L. van Leeuwen, J. Deneva, J.	Virginia, University of NRAO - CV West Virginia University WVU University of British Columbia McGill University NAIC and Cornell University McGill University  West Virginia University West Virginia University ASTRON  Eureka Scientific, Inc. University of British Columbia University of British Columbia Cornell University	Scott Ransom	Timing the New GBT 350 MHz Drift Scan Pulsars [R. Lynch]	8L	U	23 24 25 28	20.00
GBT09B-032	Archibald, A.	McGill University	Scott Ransom	Ionized Material in the LMXB-MSP Transition System	L	GUY	1	3.25

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	Kaspi, V. Stairs, I. Ransom, S. Roberts, M. Lorimer, D.	University of British Columbia NRAO - CV Eureka Scientific, Inc. West Virginia University		FIRST J102347.67+003841 [A. Archibald]				
GBT09B-034	Chynoweth, K. Langston, G. I. Holley-Bockelmann, K.	NRAO-GB	Glen Langston	Deep Observations of Possible HVC Analogs in the NGC 2403 Group [K. Chynoweth]	L	S	7 9 11 12 13	18.25
GBT09B-036	Gao, Y. Riechers, D. Carilli, C. L. Wagg, J.	Chinese Academy of Sciences Max-Planck-Institute for Astronomy, Heidelberg NRAO - Socorro NRAO - Soc	Ron Maddalena	CS(1-0) survey of dense gas at high-redshift [Y. Gao]	UX	S	19 27	7.75
GBT09B-037	Kanekar, N. Chengalur, J.	NRAO-AOC NCRA (TIFR)	Jim Braatz	A search for CH3CHO 1065 MHz emission in Galactic molecular clouds [N. Kanekar]	A	S	5	2.00
GBT09B-039	Zeiger, B. Darling, J.	University of Colorado Colorado at Boulder, University of	Ron Maddalena	C3H2 in the Gravitational Lens B0218+357: Chemical Evolution and Densitometry [B. Zeiger]	XU	S	5 7 26	5.75
GBT09B-040	Kanekar, N. Wagg, J. Carilli, C. L.	NRAO-AOC NRAO - Soc NRAO - Socorro	Ron Maddalena	A search for CS 1-0 emission at high redshifts [N. Kanekar]	U	S	2 3 4 5 7 23 24 25	26.75
GBT09B-042	Joncas, G. Robitaille, J. Lockman, F. J. Marshall, D. Miville-Deschenes, M. Martin, P.G.	Universite Laval  NRAO-GB  IAS Univ. Paris-Sud University of Toronto	Jay Lockman	Establishing a scenario of molecule formation from high Galactic latitude sites [G. Joncas]	L	S	19	4.50
GBT09B-043	DeCesar, M. Ransom, S. Stairs, I. Lorimer, D. McLaughlin, M. Kaspi, V. Archibald, A. van Leeuwen, J. Miller, C.	NRAO - CV University of British Columbia West Virginia University WVU McGill University  University of British Columbia University of Maryland	Scott Ransom	A Search for Radio Pulsations from Low-Mass X-ray Binaries [M. DeCesar]	S	U	14 15 16 17 18 30	9.50
GBT09B-044	Smith, A. Greaves, J. Jardine, M. Cameron, A. Langston, G. I. Backer, D. C.	Univ. St. Andrews University of St Andrews NRAO-GB University of California, Berkeley	Glen Langston	Cyclotron emission from the exo-planet HD 189733b - copy [A. Smith]	3	M	12	6.00

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GBT09B-045	Lynch, R. Ransom, S.	Virginia, University of NRAO - CV	Scott Ransom	Searching For New Pulsars in Eight Low Metallicity Globular Clusters [R. Lynch]	S	U	12 19	4.50
GBT09B-048	Margot, J.L. Campbell, D. B. Slade, M. Margot, J.L.	Cornell University Cornell University JPL Cornell University	Frank Ghigo	Venus spin dynamics [J.L. Margot]	X	X	9 13 14 19 21	5.50
GBT09B-054	Lorimer, D. Edel, S. McLaughlin, M. Boyles, J. Ludovici, D. Kondratiev, V. Ridley, J.	West Virginia University  WVU West Virginia University  West Virginia University		Searching for radio pulsations from the new magnetar SGR 0418+5729 [D. Lorimer]	8	U	19	1.75
GLST011217	Tomsick, J.A. Corbel, S. Migliari, S. Pottschmidt, K. Wilms, J. Rodriguez, J. Pooley, G. G.	Calif.-San Diego CEA-Saclay Amsterdam  Switzerland Mullard Radio Astronomy Observ	Jim Braatz	Probing the High Energy Emission of Microquasars with Multi-wavelength observations [J.A. Tomsick]	X	SD	3 10 17 24	7.25
Maint	NRAO staff			Maintenance			1 2 3 4 5 8 9 10 11 15 16 17 18 22 23 24 25 29 30	183.50
Tests	Hunter			HOLO	QH	S	29 30	5.00
Tests	Ron Maddalena			Ku cabling tests	U		5	0.50
Tests	NRAO staff			Pointing Q	Q	S	2	7.00
Tests	band tests			Q	Q		19	2.25
Tests	NRAO staff			Q band Tests	Q		10	1.00
Tests	NRAO staff			RCO U	U		2	1.50
Tests	NRAO staff			RCO*3	3		10	1.00
Tests	NRAO staff			RCO*8	8		15	0.50
Tests	NRAO staff			RCO*A	A		4	1.25
Tests	NRAO staff			RFI scans	XLS		11 18	2.50

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Tests	NRAO staff			RFI scans*8	8		15	0.50
Tests	NRAO staff			RFI tests	X		5	1.00
Tests	NRAO staff			Un-assigned Tests			11	1.50
Tests	NRAO staff			Tests GUPPI	LS	U	3 6 26	11.50
Tests	NRAO staff			Tests GUPPI*3	L3		14	3.50
Tests	NRAO staff			Tests Q HP	QX		21	2.00
Tests	NRAO staff			Tests RRI	R		1 3	3.50
Total Hrs	Astronomy	490.50						
	Maintenance	183.50						
	Un-assigned Tests	46.00						

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