

# GBT Observing Schedule for July 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 7 22 23 26	25.50
BB268	Brunthaler, A. Sjouwerman, L. Garrett, M.A. Loinard, L.	MPIfR NRAO - AOC Socorro JIVE Instituto de Astronomia (UNAM, Morelia, Mexico)	Jules Harnett	Detecting the nucleus of M31 [A. Brunthaler]	C	5	18 19	16.00
BM290	Miller-Jones, J. Rupen, M. P. Mioduszewski, A. Dhawan, V. Gallo, E. Jonker, P.G. Briskin, W.F.	Oxford NRAO - SOC NRAO - SOC NRAO-SOC UC Santa Barbara CfA NRAO - SOC	Frank Ghigo	A direct geometric distance to a quiescent black hole X-ray binary [J. Miller-Jones]	X	5	3	5.50
GBT04A-003	Curran, S. Whiting, M. Webb, J. Murphy, M. T. Pihlstrom, Y. Wiklind, 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]	8	SP	16	2.75
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	17 18	15.00
GBT08A-048	Araya, E. Hofner, P. Hoffman, I.M. Goss, W. M. Linz, H. Kurtz, S.	New Mexico Tech New Mexico Tech St. Paul's School NRAO-SOC TLS Tautenburg/MPIA UNAM	Jim Braatz	Correlated Variability of Astrophysical Masers I: monitoring of NGC7538 IRS1 [E. Araya]	CUK	S	3 17	5.50
GBT08A-085	Maan, Y. Deshpande, A.A.	Arecibo Observatory	Karen O'Neil	"Tomography" of Pulsar Polar Emission Region [Y. Maan]	R	O	25	7.00
GBT08B-005	Campbell, B.	Smithsonian Institute	Frank Ghigo	High-Resolution 12.6-cm Radar Mapping of the Nearside	S	X	15 16 17	10.75

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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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	Campbell, D. B. Carter, L. Ghent, R. Nolan, M	Cornell University Smithsonian Institution Smithsonian Institution Arecibo Observatory		of the Moon [B. Campbell]				
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	23	2.50
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]	L	GYB	24	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	1 25	6.50
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]	S	G	4 25	2.00
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]	S8	GB	9 21	9.25
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	5 6	5.50
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	8 9	3.00

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GBT09A-007	Lockman, F. J. Burton, W. B.	NRAO-GB	Jay Lockman	Straightening Out the Galactic Warp [F. J. Lockman]	L	S	7	3.00
GBT09A-017	Lockman, F. J. Chynoweth, K. Langston, G. I.	NRAO-GB NRAO-GB	Jay Lockman	GBT HI Observations of "Wright's Cloud" [F. J. Lockman]	L	S	4	6.00
GBT09A-021	Cernicharo, J. Vincent, L. Feautrier, N. Valiron, P. Faure, A. Spielfiedel, A. Senent, M. Daniel, F.	CSICIEMDpto. Fisica Molecular  Laboratoire d'Astrophysique, Univ. J. Fourier, Grenoble Observatoire de Grenoble	Jim Braatz	SO <sub>2</sub> : A molecule with maser emission and line absorption line in cold dark clouds [J. Cernicharo]	U	S	24 31	3.25
GBT09A-046	Chynoweth, K. Langston, G. I. Holley-Bockelmann, K.	NRAO-GB	Glen Langston	A Search for Faint Extended HI in Nearby Galaxy Groups - copy [K. Chynoweth]	L	S	10 11	12.50
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]	8	S	1	3.50
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	5 31	6.50
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	26 27	10.00
GBT09A-092	Heatherly, S. Rosen, R.	NRAO-GB North Carolina, University of	Rachel Rosen	Maintenance Observing with the GBT [S. Heatherly]	8L3	G	10 11 13 14 17 18	32.00
GBT09A-093	Heatherly, S. Rosen, R.	NRAO-GB North Carolina, University of	Rachel Rosen	Educational Projects on the GBT [S. Heatherly]	3LCX	GSD	12 21 22	19.00
GBT09A-094	Mangum, J. G. Minter, A.	NRAO Charlottesville NRAO - Green Bank	Jeff Mangum	NRAO 2009 CV/GB Summer Student Observing Project [J. G. Mangum]	LUXSC	S	5 6	17.50
GBT09A-096	O'Neil, K.	NRAO - GB	Karen O'Neil	Observations for the 5th NAIC/NRAO Single Dish School [K. O'Neil]	LCSX	SDU	12 13 14 15	18.50
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	3 15 16 20 29	16.75

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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	11 17 19 20 25 29	16.50
GBT09B-003	Crawford, F. Lorimer, D. McLaughlin, M. Faulkner, A. Kramer, M. Lyne, A. G. Stairs, I. Camilo, F. Burgay, M. Possenti, A. D'Amico, N. Gilpin, C.	Haverford College West Virginia University WVU University of Manchester Jodrell Bank Manchester, University of University of British Columbia Columbia Astrophysics Laboratory Istituto Nazionale di Astrofisica Istituto Nazionale di Astrofisica Osservatorio di Cagliari	Scott Ransom	On the Trail of the Enigmatic Millisecond Binary Pulsar PSR J1723-28 [F. Crawford]	3S	U	12 15	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]	S	U	1 2 3 8 16	4.25
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	16 20 21 22	7.75
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	25	4.75
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	2 5 10 11 13 18 30	16.75
GBT09B-014	Edel, S. Ludovici, D. Lorimer, D. McLaughlin, M. Kondratiev, V. Boyles, J. Ridley, J.	West Virginia University WVU West Virginia University West Virginia University	Scott Ransom	GBT radio monitoring of magnetars [S. Edel]	S	U	30	2.75
GBT09B-015	Armijos, J.	Consejo Superior de	Jim Braatz	Chemical complexity in the nuclei of galaxies. The nucleus	U	S	25 31	7.25

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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	5	2.00
GBT09B-017	Deneva, J. Cordes, J. M. Lazio, T.J.W.	Cornell University NAIC and Cornell University Naval Research Laboratory	Scott Ransom	Are the Arches and Quintuplet Clusters Pulsar Nurseries? [J. Deneva]	SC	G	16 29 30	10.00
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]	U	G	23	2.00
GBT09B-021	Ridley, J. Lorimer, D. McLaughlin, M.	West Virginia University WVU	Scott Ransom	A search for the youngest pulsar in the Galaxy [J. Ridley]	C	U	27 28	9.00
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	20	1.25
GBT09B-024	Ransom, S. Camilo, F. Ray, P.S. Roberts, M.	NRAO - CV Columbia Astrophysics Laboratory Naval Research Lab Eureka Scientific, Inc.	Scott Ransom	Searching for Radio Pulsars in Fermi Bright Unidentified Sources [S. Ransom]	8	U	2 3 4 5	15.50
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]	83	U	1 4 5 9 10 11 12 13 28	25.25
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.	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.	Scott Ransom	Timing the New GBT 350 MHz Drift Scan Pulsars [R. Lynch]	83	U	4 11 20 21	13.75

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	Kasian, L. van Leeuwen, J. Deneva, J.	University of British Columbia University of British Columbia Cornell University						
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	12 25 26 29 31	20.25
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]	XU	S	17 18 27 28 29 30	19.25
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	1 2 3 4 19	29.00
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	4 8 9 13 29	7.00
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	7 8 17 18 26	9.50
GBT09B-046	Impellizzeri, C.M.V. Henkel, C. Roy, A. L. Braatz, J. A. Leurini, S. Menten, K. M.	NRAO Max-Planck-Institut fur Radioa MPIfR NRAO - CV MPIfR Max-Planck-Institut Fur Radioa	Jim Braatz	Tracing the Physical Conditions in NGC 3079 and Mrk 348 with Methanol [C.M.V. Impellizzeri]	U	S	28	1.50
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]	CX	SD	1 8	3.75

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Maint	NRAO staff			Maintenance			1 2 6 7 8 9 13 14 15 16 20 21 22 23 27 28 29 30	182.75
Tests	Ghigo			Gaincal		S	30 31	8.00
Tests	NRAO staff			HOLO	H		24	7.00
Tests	NRAO staff			OOF			8	3.75
Tests	Hunter			Servo tests			8	4.00
Tests	Scott Ransom			Guppi tests		U	10	2.00
Tests	Todd Hunter			Holo receiver tests	H		12	1.00
Tests	NRAO staff			RCO PF1*8	PF1*8	S	15 28	3.50
Tests	Maddalena			Scal	Q	S	26	2.00
Tests	NRAO staff			Tests GUPPI			3 24	7.50
Tests	Maddalena			Tests Q band	Q	S	15	2.00
Tests	NRAO staff			Tests RCO*3			9	1.50
Tests	NRAO staff			Tests RRI	R		24 26	8.00
Total Hrs	Astronomy	502.75						
	Maintenance	182.75						
	Un-assigned							
	Tests	50.25						

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