

# GBT Observing Schedule for August 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	8 13 14 21 28 29	34.00
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	1 2	16.50
BP157	Peterson, W. Mutel, R. L. Goss, W. M.	University of Iowa NRAO-SOC	Jules Harnett	Confirmation of Large Coronal Loops on an RS CVN Binary [W. Peterson]	U	5	20 21	10.50
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	22 29	15.00
GBT07C-016	Kanekar, N.	NRAO-AOC	Jim Braatz	Using NH3 lines to probe changes in fundamental constants [N. Kanekar]	U	S	28	3.75
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	28	4.50
GBT08A-085	Maan, Y. Deshpande, A.A.	Arecibo Observatory	Karen O'Neil	"Tomography" of Pulsar Polar Emission Region [Y. Maan]	R	O	27 28 29 30	25.00
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	15 16	7.25
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	25	6.50
GBT08B-049	Butler, B. Bussey, B.	NRAO-Soc	Frank Ghigo	Observations of the Chandrayaan-1 and Lunar Reconnaissance Orbiter Spacecraft [B. Butler]	S	P	30	5.00

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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	9 23	1.50
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]	S8	GB	7 19 21 22	8.50
GBT08C-076	Ransom, S. Freire, P. Stairs, I. Hessels, J. W. T. Lynch, R.	NRAO - CV Arecibo Observatory University of British Columbia ASTRON Virginia, University of	Scott Ransom	Long Term Timing of 55 Recycled Pulsars in Bulge Globular Clusters [S. Ransom]	S	G	4 5 14 15	19.50
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	6	3.75
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	26 27	6.00
GBT09A-004	Gupta, N. Srianand, R. Petitjean, P. Noterdaeme, P.	Tata Institute of Fundamental Research Inter-University Centre for As Institut d'Astrophysique European Southern Observatory	Jules Harnett	Search for HI 21cm absorption in a complete sample of DLAs at z>2. [N. Gupta]	3	P	7 8 9	8.25
GBT09A-007	Lockman, F. J. Burton, W. B.	NRAO-GB	Jay Lockman	Straightening Out the Galactic Warp [F. J. Lockman]	L	S	2 15	9.75
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	4 9 12 13 18 19 20	23.25
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]	3	G	5 8	4.00
GBT09A-062	Camilo, F. Halpern, J. P.	Columbia Astrophysics Laboratory Columbia University	Scott Ransom	New pulsar identifications of TeV gamma-ray sources [F. Camilo]	S	G	17 18	10.50

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	Ransom, S. Gotthelf, E.V.	NRAO - CV University of Columbia						
GBT09A-070	Butler, B. Bussey, B. Carter, L.	NRAO-Soc  Smithsonian Institution	Frank Ghigo	Calibrating the Transmitted Radar Signal from the LRO Spacecraft [B. Butler]	S	P	22 23	10.00
GBT09A-092	Heatherly, S. Rosen, R.	NRAO-GB North Carolina, University of	Rachel Rosen	Maintenance Observing with the GBT [S. Heatherly]	3	G	13 16 21	5.50
GBT09A-093	Heatherly, S. Rosen, R.	NRAO-GB North Carolina, University of	Rachel Rosen	Educational Projects on the GBT [S. Heatherly]	LCX	SD	9 10	11.75
GBT09A-095	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	Searching for Variability in PSR J0348+04 [R. Lynch]	3S	U	11 19	6.00
GBT09A-099	Kanekar, N.	NRAO-AOC	Toney Minter	Probing changes in the proton-electron mass ratio with radio molecular lines. [N. Kanekar]	X	S	20 27 28	6.50
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	10 27 28	10.25
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	3 4 10 11 18 19 25 26	17.00
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	16	2.00
GBT09B-010	Remijan, A. Meier, D.S.	National Radio Astronomy Observatory	Tony Remijan	Surveying Cyanofomaldehyde (CNCHO) in Galactic Environments [A. Remijan]	X	S	20	3.50

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	Stork, Wilmer	National Radio Astronomy Observatory Parkland College						
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	1 2 7 14 23 30 31	34.25
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	1	2.75
GBT09B-015	Armijos, J. Martin-Pintado, J. Requena-Torres, M.A. Martín, S. Rodríguez-Franco, A.	Consejo Superior de Investigaciones (CSIC) Consejo Superior de Investigaciones (CSIC) DAMIR-IEM-CSIC	Jim Braatz	Chemical complexity in the nuclei of galaxies. The nucleus of the Milky way [J. Armijos]	U	S	1 8 11 16 26	14.50
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	2 15	8.25
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]	S	G	6	1.75
GBT09B-023	Ray, P.S. Camilo, F. Ransom, S. Roberts, M.	Naval Research Lab Columbia Astrophysics Laboratory NRAO - CV Eureka Scientific, Inc.	Scott Ransom	Search for Radio Pulsations from Gamma-Ray Pulsars Discovered with Fermi [P.S. Ray]	8S	U	22 24 25	7.75
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	12 13	6.00
GBT09B-025	Kudo, N. Torii, K. Fukui, Y. Morris, M. R.	Nagoya University UCLA	Jim Braatz	An OH Absorption Line Survey of the Galactic Scale Molecular Loops [N. Kudo]	L	S	2 3 12 18 19 20 21	18.00
GBT09B-026	Demorest, P. Walker, M.A. van Straten, W. Karastergiou, Aris	UC Berkeley (Physics) Research Centre for Theoretica Brownsville, University of Texas at University of Oxford	Scott Ransom	Cyclic Spectroscopy of Three Pulsars [P. Demorest]	3	Y	6	2.25
GBT09B-028	McLaughlin, M.	WVU	Scott Ransom	Timing of New and Old Rotating Radio Transient Sources	3	U	7 8	6.25

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	Lyne, A. G. Kramer, M. Miller, J. Lorimer, D. Keane, E.	Manchester, University of Jodrell Bank  West Virginia University		[M. McLaughlin]				
GBT09B-029	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. Perera, B.	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	YB	16	5.50
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]	8	U	24 26	4.75
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	6 9 14 22 23 24 26	32.75
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	1	3.25
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]	U	S	23	2.00

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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	22 23 31	6.50
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	30	1.75
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	20 28	2.50
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	8 9 11	9.00
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	19 20 25	6.25
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	1 5	11.50
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	1	1.00
GBT09B-055	Kaspi, V. Archibald, A. Haw Far Chin, J.	McGill University		Target-of-Opportunity Observations of an unusual Periodic Gamma-Ray Burst [V. Kaspi]	83	G	3 5 25	6.75
GBT09B-057	Fernandez, Y.R. Lovell, A. Campusano, L. Kelley, M.	University of Maryland Agnes Scott College Universidad de Chile Cornell		Water on Main-Belt Asteroids [Y.R. Fernandez]	L	P	8 12 23	12.00

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	Licazano, S. Zijlstra, A.	UNAM UMIST						
Maint	NRAO staff			Maintenance			3 4 5 6 10 11 12 13 17 18 19 20 24 25 26 27 31	178.50
Tests	NRAO staff			RRI	RRI		26	1.25
Tests	Hunter Ghigo			Gain curve			16 17	9.00
Tests	Hunter Ghigo			HOLO	H		3 16 30	18.00
Tests	Hunter Ghigo			HalfPower	Q	S	6	2.50
Tests	Hunter Ghigo			OOF	Q	S	10	3.50
Tests	NRAO staff			RCO*3	PF1*3	S	5	2.25
Tests	NRAO staff			RCO*8	PF1*8	S	11	1.50
Tests	Ghigo Hunter			Servo			9	4.50
Tests	Ransom			Tests GUPPI			7 23 24 27	12.00
Tests	Ghigo			Tests LRO			15	2.00
Total Hrs	Astronomy Maintenance Un-assigned Tests	502.75 178.50  56.50						

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