

# GBT Observing Schedule for April 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	7 8 23	17.50
BB242	Braatz, J. A. Greenhill, L. J. Condon, J. J. Reid, M. J. Henkel, C. Lo, F.K. Y.	NRAO - CV CfA NRAO-CV Center for Astrophysics Max-Planck-Institut fur Radioa NRAO-CV	Jim Braatz	The Megamaser Cosmology Project [J. A. Braatz]	K	V	16 17 18 19 24 25	37.50
BB255	Brunthaler, A. Reid, M. J. Henkel, C. Menten, K. M. Bower, G. C. Falcke, H.	MPfIR Center for Astrophysics Max-Planck-Institut fur Radioa Max-Planck-Institut Fur Radioa UC Berkeley ASTRON		Measuring the orbits of M81 and M82 [A. Brunthaler]	K	5	8 9	12.50
BB261	Braatz, J. A. Condon, J. J. Greenhill, L. J. Henkel, C. Lo, F.K. Y. Reid, M. J. Kuo, C-Y. Zaw, I. Tilak, A. Hao, L. Lah, P.	NRAO - CV NRAO-CV CfA Max-Planck-Institut fur Radioa NRAO-CV Center for Astrophysics ASIAA  Johns Hopkins Cornell Dept. of Astronomy	Jim Braatz	The Megamaser Cosmology Project: Year 2 [J. A. Braatz]	K	5	5 6 11 12 17 18	37.25
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	26	5.50
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]	8	SP	30	2.75
GBT05B-011	Minter, A.	NRAO - Green Bank	Toney Minter	Using Pulsar HI Absorption to Determine the Distance to the Local Spiral Arm in the Second Quadrant of the Galaxy [A. Minter]	L	P	24 29	5.75

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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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GBT07A-035	Kanekar, N. Shirley, Y.L.	NRAO-AOC University of Arizona	Toney Minter	Using CCH lines to measure changes in fundamental constants [N. Kanekar]	Q	S	28	5.00
GBT07A-051	Hollis, J. M. Remijan, A. Jewell, P. R. Lovas, F. J.	NASA/GSFC National Radio Astronomy Observatory NRAO-CV Nat'l Instit. of Standards and Technology	Ron Maddalena	A GBT Legacy Survey of Prebiotic Molecules Toward SgrB2(N-LMH) and TMC-1 [A. Remijan]	K6	S	16 20 21	11.00
GBT07A-086	Bregman, J. N. Irwin, M.J.	University of Michigan Institute of Astronomy	Jim Braatz	The Detection of the Missing Baryons with the NVII Line [J. N. Bregman]	Q	S	27 28	3.00
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]	L8	RY	20 21 22 23 26 27	24.00
GBT07C-070	Pisano, D.J. Wagg, J. Koo, D.	NRAO-GB NRAO - Soc Space Telescope Science Instit	D.J. Pisano	Searching for CO emission from z~1 Luminous Compact Blue Galaxies [D.J. Pisano]	Q	S	27 28	6.00
GBT08A-004	Curran, S. Darling, J. Whiting, M. Bolatto, A. Webb, J. Bignell, R.C.	University of New South Wales Colorado at Boulder, University of Australia Telescope National Facility University of California at Berkeley University of New South Wales NRAO - GB	Carl Bignell	OH Absorption In the Lensing and Host Galaxies of J0414+0534 [S. Curran]	4	S	9 10 13	14.50
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	15	4.50
GBT08A-076	Kanekar, N. Ellison, S.E. York, B	NRAO-AOC University of Victoria University of Victoria	Jules Harnett	The nature of damped Lyman-alpha systems, as traced by their spin temperatures [N. Kanekar]	4	P	8 9 10	6.50
GBT08B-005	Campbell, B. Campbell, D. B. Carter, L. Ghent, R.	Smithsonian Institute Cornell University Smithsonian Institution Smithsonian Institution	Frank Ghigo	High-Resolution 12.6-cm Radar Mapping of the Nearside of the Moon [B. Campbell]	S	X	4 5 6	8.75

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	Nolan, M	Arecibo Observatory						
GBT08B-008	Morgan, L. Urquhart, J. Figura, C.	St Mary's University University of Leeds	Jules Harnett	Free-Free Emission from Bright-Rimmed Clouds [L. Morgan]	X	SD	4 25 28	20.50
GBT08B-014	Kanekar, N. Chengalur, J. Ghosh, T.	NRAO-AOC NCRA (TIFR) Arecibo Observatory	Ron Maddalena	Probing changes in fundamental constants with conjugate satellite OH lines [N. Kanekar]	L	S	1 3	10.50
GBT08B-017	Deneva, J. Cordes, J. M. Lazio, T.J.W.	Cornell University NAIC and Cornell University Naval Research Laboratory	Scott Ransom	Spectrum Estimation and Timing of Two Highly Dispersed Pulsars Near SGR A* [J. Deneva]	S	G	27	1.00
GBT08B-023	Ferdman, R. Stairs, I. Kramer, M. McLaughlin, M. Demorest, P. Nice, D. Burgay, M. Camilo, F. D'Amico, N. Hobbs, G. Lorimer, D. Lyne, A. G. Manchester, D.R. N. Possenti, A. Faulkner, A. Backer, D. C.	University of British Columbia University of British Columbia Jodrell Bank WVU UC Berkeley (Physics) Bryn Mawr College Istituto Nazionale di Astrofisica Columbia Astrophysics Laboratory Osservatorio di Cagliari Australia Telescope National Facility (ATNF) West Virginia University Manchester, University of Australia Telescope Istituto Nazionale di Astrofisica University of Manchester University of California, Berkeley	Scott Ransom	Timing Binary Pulsars from the Parkes Multibeam Survey [R. Ferdman]	L	YB	2 4 29	5.25
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	21	5.50
GBT08C-010	Courtois, H. Tully, R.B. Fisher, R. Bonhomme, N.	Institute for Astronomy Institute for Astronomy NRAO Green Bank Facility	Toney Minter	Bulk motions of filaments in the Local Universe - Large Proposal - 08C [H. Courtois]	L	S	11 14 15 19 21 25 26 28 29 30	35.75
GBT08C-014	Camilo, F.	Columbia Astrophysics Laboratory	Scott Ransom	Studying the magnetar XTE J1810-197 [F. Camilo]	S	G	11 27	1.75

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	Ransom, S. Halpern, J. P. Reynolds, J. E.	NRAO - CV Columbia University Australia Telescope National F						
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	4 20 23	9.00
GBT08C-026	Wilner, D. Hales, A. Mason, B.S.	Center for Astrophysics NRAO Green Bank Facility	Brian Mason	3.3 mm MUSTANG Imaging of the Vega Debris Disk [A. Hales]	M		10 12	8.50
GBT08C-035	Braatz, J. A. Condon, J. J. Greenhill, L. J. Henkel, C. Lo, F.K. Y. Reid, M. J. Kuo, C-Y. Zaw, I. Tilak, A. Hao, L. Lah, P.	NRAO - CV NRAO-CV CfA Max-Planck-Institut fur Radioa NRAO-CV Center for Astrophysics ASIAA Johns Hopkins Cornell Dept. of Astronomy	Jim Braatz	The Megamaser Cosmology Project: Year 2 [J. A. Braatz]	K	S	1 13 27	18.50
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	8	6.00
GBT08C-059	Barriault, L. Joncas, G. Martin, P.G. Lockman, F. J.	Universite Laval University of Toronto NRAO-GB	Jay Lockman	GBT OH Observations at high galactic latitudes [L. Barriault]	L	S	14	3.75
GBT08C-078	Cotton, B.W. D. Mason, B.S. Dicker, S. Korngut, P. Devlin, M.J.	NRAO-CV NRAO Green Bank Facility University of Pennsylvania Rutgers Univ. and Univ. of Pennsylvania	Brian Mason	MUSTANG Observations of Cygnus A [B.S. Mason]	M		18	2.25
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	5	4.75

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GBT09A-004	Gupta, N. Srianand, R. Petitjean, P. Noterdaeme, P.	Tata Institute of Fundamental Research Inter-University Centre for Astrophysics Institut d'Astrophysique European Southern Observatory	Jules Harnett	Search for HI 21 cm absorption in a complete sample of DLAs at $z > 2$ . [N. Gupta]	4	P	6 7	8.50
GBT09A-007	Lockman, F. J. Burton, W. B.	NRAO-GB	Jay Lockman	Straightening Out the Galactic Warp [F. J. Lockman]	L	S	15 22 23 29 30	18.75
GBT09A-012	Carilli, C. L. Daddi, E. Wagg, J. Aravena, M. Walter, F. Riechers, D. Dannerbauer, H. Dickinson, M. Elbaz, D. Stern, D. Morrison, G.	NRAO - Socorro  NRAO - Soc  MPIfA Max-Planck-Institute for Astronomy, Heidelberg  NOAO  JPL IfA - Hawaii	Toney Minter	Study of the ISM conditions in normal star forming galaxies at $z \sim 1.5$ [C. L. Carilli]	Q	S	2 4 5 12 16 17 18 23 24 28	28.75
GBT09A-015	Hankins, T. H. Sheckard, J. Eilek, J. Kooi, J.	NMIMT NMIMT NMIMT	Scott Ransom	Giant Pulses from the Crab Nebula Pulsar at Centimeter Wavelengths [T. H. Hankins]	KQ	O	12 16 17 18	20.00
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	1 2 5 9 10 22 25 26 27	60.50
GBT09A-025	Kanekar, N.	NRAO-AOC	Jules Harnett	The spin temperature of high redshift damped Lyman-alpha systems [N. Kanekar]	4	P	4	3.75
GBT09A-031	Jaffe, W. Oonk, R. Hatch, Nina	Leiden Observatory	Jim Braatz	Tracing Cool Molecular Gas in Cooling Flow Clusters with Ammonia Emission.	K	S	16 17	8.25
GBT09A-044	Shirley, Y.L. Schenck, D. Mangum, J. G. Mason, B.S. Cotton, B.W. D. Dicker, S. Devlin, M.J. Korngut, P.	University of Arizona  NRAO Charlottesville NRAO Green Bank Facility NRAO-CV University of Pennsylvania Rutgers Univ. and Univ. of Pennsylvania	Brian Mason	Modeling the Dust Emission from Class 0 Protostars at 3mm [Y.L. Shirley]	M		24	3.00
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	6 14 15 16 20 26	26.00

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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]	8	U	1 22	8.00
GBT09A-052	Mason, B.S. Dicker, S. Molnar, S. Koch, P. Kornigut, P. Cotton, B.W. D. Aguirre, J. Devlin, M.J.	NRAO Green Bank Facility University of Pennsylvania  NRAO-CV  Rutgers Univ. and Univ. of Pennsylvania	Brian Mason	A High-Resolution Image of the SZE in RXJ1347-1149 With MUSTANG [B.S. Mason]	M		24 28 (4)	3.75 (0.25)
GBT09A-066	Rea, N. Burgay, M. Torres, D. Hessels, J. W. T. Sierpowska-Batorska, A. Possenti, A.	Istituto Nazionale di Astrofisica LLNL ASTRON  Istituto Nazionale di Astrofisica	Scott Ransom	Deep search for the radio pulsar powering the new TeV binary HESS J0632+057 [M. Burgay]	S	G	19	5.00
GBT09A-072	Nigra, L. Gallagher III, J. S. Stanimirovic, S. Lockman, F. J. Nidever, D. Majewski, S.R.	University of Wisconsin Wisconsin NRAO-GB Virginia, University of University of Virginia	Jay Lockman	Diagnosing the Agents of Aging on the Magellanic Stream [L. Nigra]	L	S	6 11 12 13 19 20	26.00
GBT09A-073	Boyles, J. Lorimer, D. McLaughlin, M. Ransom, S. Kondratiev, V. Stairs, I. Kaspi, V. Archibald, A. McPhee, C. Hessels, J. W. T. Lynch, R. Cordes, J. M. Roberts, M. Kasian, L. van Leeuwen, J. Deneva, J. Champion, D.	West Virginia University West Virginia University WVU NRAO - CV West Virginia University University of British Columbia McGill University  ASTRON Virginia, University of NAIC and Cornell University Eureka Scientific, Inc. University of British Columbia University of British Columbia Cornell University McGill University	Scott Ransom	Timing new pulsars from the GBT 350-MHz drift-scan survey [J. Boyles]	L8	GU	5 14 26 30	7.00
GBT09A-079	Grossan, B. Heiles, C. E. Goldston, J.	University of California	Jules Harnett	The Far-IR Background & the HI/Dust Foreground [B. Grossan]	L	P	14	2.50

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GBT09A-085	Aguirre, J. Spekkens, K.M.M. Mason, B.S.	Cornell University NRAO Green Bank Facility	Brian Mason	Searching for Dark Matter Annihilations in Nearby Dwarf Spheroidals [J. Aguirre]	L	SD	1 2 3	10.50
GBT09A-088	Yusef-Zadeh, F. Mason, B.S. Cotton, B.W. D.	Northwestern University NRAO Green Bank Facility NRAO-CV	Brian Mason	Measurements of Flare Emission from SgrA* at 3mm with the GBT [F. Yusef-Zadeh]	M		5	3.25
GBT09A-092	Heatherly, S. Rosen, R.	NRAO-GB North Carolina, University of	Rachel Rosen	Maintenance Observing with the GBT [S. Heatherly]	4	G	3 4	7.75
GBT09B-035	Kanekar, N. Ellison, S.E.	NRAO-AOC University of Victoria	Toney Minter	Confirming a tentative detection of HI 21cm absorption at z ~ 2.193 [N. Kanekar]	4	P	10 11 13	10.75
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	1 16 22 28 (9)	8.00 (0.50)
Maint	NRAO staff			Maintenance	468		2 3 7 8 9 14 15 21 29 30	72.00
Tests	Hunter			HOLO	H		3 13	12.50
Tests	NRAO staff			MCB tests	Q		30	1.50
Tests	Hunter			OOF	MQ		10	4.00
Tests	NRAO staff			RCO*4 450MHz	4	DSP	2	1.50
Tests	NRAO staff			RCO*6 600MHz	6	DSP	14	1.25
Tests	NRAO staff			RCO*8 800 MHz	8		24	1.50
Tests	NRAO staff			RFI	XL		24 25	1.25
Tests	NRAO staff			RFI*8	8		24	0.50
Tests	Ghigo			Radar Tests	S		2	0.50
Tests	NRAO staff			Un-assigned Tests	X		8 15	1.75
Tests	Heatherly			Tests IYA	K	U	3	1.50
Tests	Mason			Tests Mason	M		18 24	11.00
Tests	Hunter			Tests OOF	Q	M	12	3.50

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Total Hrs	Astronomy	605.75						
	Maintenance	72.00						
	Un-assigned							
	Tests	42.25						

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