

# GBT Observing Schedule for February 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		RIPL: Radio Interferometric PLANet Search [G. C. Bower]	X	5	(2 23 24 25 26)	(25.50)
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	(12 13 14 15)	(25.00)
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		The Megamaser Cosmology Project: Year 2 [J. A. Braatz]	K	5	(13 14 15 16 17 18 19 20)	(42.00)
BM284	Momjian, E. Riechers, D. Carilli, C. L.	Arecibo Observatory (Puerto Rico) Max-Planck-Institute for Astronomy, Heidelberg NRAO - Socorro		Testing the AGN vs. AGN+starburst hypothesis in two z~6 QSOs [E. Momjian]	L	5	21 22	12.50
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		A direct geometric distance to a quiescent black hole X-ray binary [J. Miller-Jones]	X	5	15	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]	A6	SP	15 [2]	3.00 [3.00]
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	Ron Maddalena	A GBT Legacy Survey of Prebiotic Molecules Toward SgrB2(N-LMH) and TMC-1 [J. M. Hollis]	KBQ6	S	[15] (1 9 17 19)	[2.00] (24.00)

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

Back Ends: 2=S2 recorder, B=BCPM, C=cGBPP, D=Digital Continuum Receiver, O=user supplied, P=Spectral Processor, S=Spectrometer, V=VLBA recorder

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		Technology						
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	(17 19)	(7.50)
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]	L8	RY	[18 20 21 23]	[30.00]
GBT07C-051	Balser, D.S. Goss, W. M.	NRAO - Green Bank NRAO-SOC	Dana Balser	Pilot Project to Survey Galaxies for Young Nuclear Star Clusters [D.S. Balser]	Q	S	(2)	(3.00)
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	(1 2 11 13)	(12.00)
GBT07C-077	Mason, B.S. Sievers, J. Pfrommer, C.	NRAO Green Bank Facility	Brian Mason	Directly Measuring the Thermal Pressure Support of Ghost Bubbles in the ICM [B.S. Mason]	B	K	(21 23)	(5.50)
GBT07C-079	Crapsi, A. Tafalla, M.	Leiden Observatory Observatorio Astronomica Nacional, Spain	Toney Minter	Testing the thermodynamics of dense starless cores [A. Crapsi]	K	S	(7 8)	(18.00)
GBT08A-020	Hessels, J. W. T. Ransom, S. Kaspi, V. Roberts, M. Champion, D. Stappers, B.	Universiteit van Amsterdam NRAO - CV McGill University Eureka Scientific, Inc. McGill University Netherlands Foundation for Research in Astronomy	Scott Ransom	Completing the GBT350 Pulsar and Transient Survey of the North Galactic Plane [J. W. T. Hessels]	8	G	[21 23]	[3.00]
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	[10 12]	[9.00]
GBT08A-056	Dicker, S. Devlin, M.J. Mason, B.S. Kornigut, P. Olmi, L.	University of Pennsylvania Rutgers Univ. and Univ. of Pennsylvania NRAO Green Bank Facility	Brian Mason	Observations with MUSTANG on the GBT at 3.3mm [S. Dicker]	M	O	(21 23 25 27 28)	(18.75)

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	Martin, P.G. Aguirre, J.	CNR-Roma University of Toronto						
GBT08B-008	Morgan, L. Urquhart, J. Figura, C.	National Radio Astronomy Observatory (NRAO) University of Leeds	Jules Harnett	Free-Free Emission from Bright-Rimmed Clouds [L. Morgan]	X	SD	(4 6 22 23)	(23.00)
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	[24 26]	[2.00]
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	BY	[2 28]	[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	[17 18 19 20]	[11.00]
GBT08B-034	Minter, A. Lockman, F. J. Benjamin, R.A.	NRAO - Green Bank NRAO-GB University of Wisconsin-Whitewater	Toney Minter	The Magnetic Field in the HVC Smith's Cloud and the Galactic Halo [A. Minter]	L	S	[2]	[3.00]
GBT08B-035	Darling, J. Willett, K.	Colorado at Boulder, University of University of Colorado at Boulder	Frank Ghigo	A High Redshift OH Megamaser Survey [J. Darling]	A6	S	[4 6 14 16]	[14.50]
GBT08C-009	Smail, I. Genzel, R.	University of Durham University of California, Berkeley	Frank Ghigo	A Combined GBT/PdBI CO Survey of Submm Galaxies [I. Smail]	B	Z	(1 7 8 9 27 28)	(35.50)

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	Ivison, R. J. Hainline, L. Blain, A. W. Tacconi, L. J. Bertoldi, F. Greve, T.R. Neri, R. Chapman, S.C. Harris, A. Baker, A.C. Cox, P. Omont, A.	Edinburgh, University of Caltech (Physics, Maths and Astronomy) Caltech Astronomy MPE U Bonn Caltech (Physics, Maths and Astronomy) IRAM U of Cambridge University of Maryland University of Maryland IAS/Institut. d'Astrophys. Spatiale Inst. d'Astrophysique de Paris						
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	[24 26] (10 12)	[1.50] (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	[21 23] (4 6)	[9.50] (7.50)
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	(2 3 5 10 11 14 16)	(40.25)
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	[28]	[6.00]
GBT08C-065	Wolfe, A. M. Jorgenson, R. Robshaw, T. Heiles, C. E.	University of California-San D University of California at San Diego University of California at Berkeley	Toney Minter	Search for Zeeman Splitting at High Redshift [A. M. Wolfe]	4	P	[28]	[7.50]

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	Prochaska, J.	University of California University of California						
GBT08C-070	Zonak, S. Harris, A. Baker, A.C. Sharon, C. VandenBout, P. A. Maddalena, R.	University of Maryland University of Maryland University of Maryland NRAO-CV NRAO-Green Bank	Ron Maddalena	Deep Zpectrometer integration toward the Cloverleaf galaxy [A. Harris]	B	Z	(4 6 10 12)	(13.00)
GBT08C-072	Mason, B.S. Compiègne, M. Martin, P.G. Dicker, S. Korngut, P. Devlin, M.J. Cotton, B.W. D.	NRAO Green Bank Facility University of Toronto University of Pennsylvania Rutgers Univ. and Univ. of Pennsylvania NRAO-CV	Brian Mason	Centimeter Wave Continuum Observations of Star Forming Regions in Orion [B.S. Mason]	B	K	(24 26)	(10.50)
GBT08C-073	Harris, A. Baker, A.C. Zonak, S. Sharon, C.	University of Maryland University of Maryland University of Maryland	Toney Minter	A CO(1-0) Survey of Dusty Galaxies at High Redshift [A. Harris]	B	Z	(1 2 3 5 7 8 20 21 22 23 24 25 26 27 28)	(72.50)
GBT08C-076	Ransom, S. Freire, P. Stairs, I. Hessels, J. W. T. Lynch, R.	NRAO - CV Arecibo Observatory University of British Columbia Universiteit van Amsterdam Virginia, University of	Scott Ransom	Long Term Timing of 55 Recycled Pulsars in Bulge Globular Clusters [S. Ransom]	S	G	[7 8 11 13]	[34.00]
GBT08C-088	Pineda, J. Rosolowsky, E. Foster, J. Arce, H.G. Caselli, P. Myers, P. C. Goodman, A. A.	Harvard-Smithsonian Center for Astrophysics Harvard-Smithsonian Center for Astrophysics Am. Museum of Natural History Harvard-Smithsonian Center for Astrophysics Center for Astrophysics Center for Astrophysics	Jules Harnett	The COMPLETE GBT Ammonia Mapping of Perseus - v2.0 [J. Pineda]	K	S	(11 13 14 16)	(10.00)
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	[1 9]	[18.00]
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	14 16 22 (18 20)	9.00 (6.00)
GBT09A-005	Maccarone, T. Miller-Jones, J.	U Southampton Oxford	Brian Mason	High frequency radio observations of Cygnus X-1 [T. Maccarone]	B	K	(14 16 17 19 21 23 24 26)	(32.00)

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	Koerding, E. Fender, R.P. Migliari, S. Casella, P.	Southampton U Southampton Amsterdam						
GBT09A-016	Lis, D. C. Gerin, M. Wootten, H. A. Bockelee-Morvan, D. Biver, N. Roueff, E. Coudert, L. Marcelino, N. Cernicharo, J.	Caltech Ecole Normale Superieure NRAO-CV  LUTH - Observatoire de Meudon  CSICIEMDpto. Fisica Molecular	Jim Braatz	GBT Survey of 15N Ammonia in Dense Cores [D. C. Lis]	K	S	(9 10 12)	(11.25)
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	[3 4 5 6 7 8 9 12 13 14 15 16 18 20 21 22 23 25 27 28]	[143.50]
GBT09A-044	Shirley, Y.L. Schenck, D. Mangum, J. G. Mason, B.S. Cotton, B.W. D. Dicker, S. Devlin, M.J. Kornigut, 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		(3 5)	(7.00)
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	[1 2 7 8 9 10 11 14 15 16 17 18 19 20 22 23 25 27 28]	[78.75]
GBT09A-053	Murphy, E. Condon, J. J. Turner, J. L. Schinnerer, E. Helou, G. Armus, L.	NRAO-CV UCLA MPIA IPAC, Caltech SSC/IPAC	Brian Mason	Radio Recombination Lines in KINGFISH Galaxies; NGC6946 Pilot Project [E. Murphy]	B	KS	(1 9 22)	(13.25)
GBT09A-059	Li, D. Goldsmith, P. F. Stahler, S.	Jet Propulsion Laboratory Cornell	Jim Braatz	The 3-D Structure of the Molecular Filaments in Taurus [P. F. Goldsmith]	K	S	(17 19 25 27)	(25.50)
GBT09A-060	Kobulnicky, H.C. Alexander, M.	University of Wyoming	Toney Minter	Characterizing a Massive Star Cluster of Red Supergiants using SiO Masers [H.C. Kobulnicky]	Q	S	(21 23 25 27)	(12.00)
GBT09A-064	Zeiger, B. Darling, J. Baker, A.C.	University of Colorado Colorado at Boulder, University of University of Maryland	Karen O'Neil	A Spectral Survey of an Opaque Atmospheric Window [B. Zeiger]	B	Z	(28)	(3.50)

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	Harris, A.	University of Maryland						
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  Universiteit van Amsterdam 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	[4 6 21 23]	[7.50]
GBT09A-075	Lynch, R. Ransom, S. Freire, P. Lorimer, D. Stairs, I.	Virginia, University of NRAO - CV Arecibo Observatory West Virginia University University of British Columbia	Scott Ransom	Searching for New Pulsars in Six Globular Clusters [R. Lynch]	S	U	[25 27]	[10.00]
GBT09A-076	Claussen, M.J. Goss, W. M. Majewski, S.R. Carlin, J.	NRAO-SOC NRAO-SOC University of Virginia Univ. of Virginia	Jim Braatz	Proper Motions of the Sagittarius Tidal Stream and the Shape of the Halo [M.J. Claussen]	Q	S	(16 17 18 19 20 28)	(32.50)
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	[4 6 10 11 12 24 26]	[31.50]
GBT09A-080	Nordhaus, M. Evans II, N.J. Rosolowsky, E. Cyganowski, C. Bally, J. Aguirre, J. Drosback, M. Glenn, J. Williams, J. P. Bradley, E.T. Ginsburg, A.	University of Texas at Austin Harvard-Smithsonian Center for Astrophysics Wisconsin at Madison, University of of University of Colorado  Institute for Astronomy	Jim Braatz	NH3 in Dense Cloud Cores Selected from the 1.1 mm Continuum BGPS [M. Nordhaus]	K	S	(10 11 12 13 15)	(16.00)
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	[3 5 13 14 15 16 17 19 24 25 26 27 28]	[68.00]

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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	(4 6 10 12 18 20 25 27)	(16.00)
Maint	NRAO staff			Maintenance	684		[3 4 5 6 10 12 17 18 19 20 24 26]	[102.00]
Not Sched	NRAO staff						(15 20 21 23)	(9.50)
Tests	Hunter			HOLO	H		(3 4 5 6)	(16.00)
Tests	Shelton			M&C Integ	L		10 [11 13 17 19]	4.00 [16.00]
Tests	Shelton			M&C Reg	LK	DSP	[14 16]	[12.50]
Tests	Hunter			OOF	M		(4 6)	(7.50)
Tests	NRAO staff			OOF Hunter	M		(7 8)	(6.50)
Tests	Hunter			Pointing	B	DSPK	(9 10 11 12)	(17.50)
Tests	Hunter			QD Tests			(18 20)	(3.00)
Tests	NRAO staff			RCO*4	4	DSP	[24 26]	[3.00]
Tests	NRAO staff			RCO*6	6	DSP	[10 12]	[3.00]
Tests	NRAO staff			RCO*8	8	DSP	[17 19]	[3.00]
Tests	NRAO staff			TCAL			(11 13)	(8.00)
Total Hrs	Astronomy Maintenance Un-assigned Tests	600.00  9.50 62.50	498.50 102.00  37.50					

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