

# GBT Observing Schedule for January 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	3 (7 9 17 19 31)	8.50 (42.50)
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 [L. J. Greenhill]	K	V	(10 11 24 26 27 29)	(75.00)
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	(20 22)	(7.50)
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 [J. M. Hollis]	XUKBQ	S	(7 9 13 15 25)	(15.25)
GBT07A-066	Braatz, J. A. Condon, J. J. Greenhill, L. J. Henkel, C. Reid, M. J. Lo, F.K. Y.	NRAO - CV NRAO-CV CfA Max-Planck-Institut fur Radioa Center for Astrophysics NRAO-CV	Jim Braatz	The Megamaser Cosmology Project [J. A. Braatz]	K	S	(2 4 6 8 16 27 28 29 30)	(86.50)
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]	QKB	S	(13 15)	(6.00)
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	[17 19 24 26]	[32.00]
GBT07C-030	Bregman, J. N. Irwin, M.J. Ji, J.	University of Michigan Institute of Astronomy	Toney Minter	The Detection of Redshifted Hot Baryons with the NVII Line [J. N. Bregman]	K	S	(20 21 22 23)	(20.00)
GBT07C-040	Birkinshaw, M. Lancaster, K. Kus, A. J. Wilkinson, P. N.	University of Bristol Torun Center for Astronomy University of Manchester	Brian Mason	Investigating the radio-source environment of clusters in the OCRA SZ samples [K. Lancaster]	B	K	(20 21 22 23)	(12.50)

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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	(4 31)	(8.00)
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	(3 5)	(16.25)
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	[24 26]	[3.00]
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 2 [3 4 5 6 7 8 9 10 11 12 13 14 15 16 27 28 29 30]	10.25 [93.50]
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	[24 26]	[2.00]
GBT08B-021	Stairs, I. Thorsett, S. Arzoumanian, Z.	University of British Columbia University of California, Santa Cruz NASA/GSFC	Scott Ransom	The Pulsar Triple System in M4 [I. Stairs]	L	B	1	1.25
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	1 [28 30 31]	4.00 [7.75]
GBT08B-025	Kramer, M. Stairs, I. McLaughlin, M. Ferdman, R. Camilo, F.	Jodrell Bank University of British Columbia WVU University of British Columbia Columbia Astrophysics Laboratory	Scott Ransom	Timing and General Relativity in the Double Pulsar System [M. Kramer]	8	YBG	[12 13 14 15 17 19 20 21 22 23]	[35.00]

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	Lyne, A. G. Manchester, D.R. N. Possenti, A. D'Amico, N. Burgay, M. Freire, P.	Manchester, University of Australia Telescope Istituto Nazionale di Astrofisica Osservatorio di Cagliari Istituto Nazionale di Astrofisica Arecibo Observatory						
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]	8	S	[20 22]	[12.00]
GBT08B-045	Boyles, J. Ransom, S. Lorimer, D. McLaughlin, M. Kondratiev, V. Stairs, I. McPhee, C. Archibald, A. Kaspi, V. Hessels, J. W. T. Lynch, R. Cordes, J. M. Roberts, M. Kasian, L. van Leeuwen, J. Deneva, J. Champion, D.	West Virginia University NRAO - CV West Virginia University WVU 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	Extending phase connection on new drift-scan pulsars [J. Boyles]	8	G	25 [24 26]	1.50 [2.00]
GBT08C-009	Smail, I. Genzel, R. 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.	University of Durham University of California, Berkeley 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/Instit. d'Astrophys. Spatiale Inst. d'Astrophysique de Paris	Frank Ghigo	A Combined GBT/PdBI CO Survey of Submm Galaxies [I. Smail]	B	Z	(10 11 12 14 17 18 19 25)	(60.50)
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	[7 9 31]	[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	[10 11 24 26]	[2.83]
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	[10 11 13 15 24 26]	[17.50]
GBT08C-027	Margot, J.L. Peale, S. Slade, M.	Cornell University Dept. of Physics, U. of Calif., Santa Barbara JPL	Frank Ghigo	Spin state and interior of Mercury [J.L. Margot]	X	X	12 13 14 15	6.00
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	(31)	(5.00)
GBT08C-039	Pisano, D.J. Maddalena, R.	NRAO-GB NRAO-Green Bank	D.J. Pisano	Searching for diffuse gas around isolated galaxies [D.J. Pisano]	L	S	[10 11]	[5.00]
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	18	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	[6 7 8 9 12 13 14 15 17 19 20 27 29]	[60.00]
GBT08C-065	Wolfe, A. M. Jorgenson, R. Robishaw, T. Heiles, C. E. Prochaska, J.	University of California-San D University of California at San Diego University of California at Berkeley University of California University of California	Toney Minter	Search for Zeeman Splitting at High Redshift [A. M. Wolfe]	8	P	[18 21 23 25]	[26.50]

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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	(3 5 7 9 12 14)	(30.50)
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 (3 4 5 7 9 13 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30)	5.00 (118.50)
GBT08C-084	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	2 5 [4 7 9]	10.25 [21.25]
GBT08C-086	Kasian, L. Stairs, I. Kramer, M. Lorimer, D. Ransom, S. Freire, P.	University of British Columbia University of British Columbia Jodrell Bank West Virginia University NRAO - CV Arecibo Observatory	Scott Ransom	Continued GBT timing of a highly relativistic binary pulsar [L. Kasian]	LS	GY	5	2.00
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	2 (7 9 21 23)	3.00 (12.00)
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	[10 11 12 13 14 15 28 30]	[22.17]
GBT09A-007	Lockman, F. J. Burton, W. B.	NRAO-GB	Jay Lockman	Straightening Out the Galactic Warp [F. J. Lockman]	L	S	1 [4 16 17 19]	5.50 [12.25]
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	[20 22 31]	[23.25]
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	[6 7 8 9 10 11 13 15 21 22 23 24 26 28 30 31]	[107.00]

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GBT09A-048	Privon, G. Whittle, M.	University of Virginia	Jules Harnett	HI observations of Mkn 34 and Mkn 78 [G. Privon]	L	S	[2 3 5]	[25.25]
GBT09A-066	Rea, N. Burgay, M. Torres, Diego. Hessels, J. W. T. Sierpowska-Batorski, A. Possenti, A.	Istituto Nazionale di Astrofisica LLNL Universiteit van Amsterdam Istituto Nazionale di Astrofisica	Scott Ransom	Deep search for the radio pulsar powering the new TeV binary HESS J0632+057 [M. Burgay]	X	G	[4]	[3.00]
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	1 2 [2 4 12 14 16 18 24 25 26]	11.50 [64.50]
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	[26 27 28 29 30]	[8.00]
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	2 (7 9 13 15 21 23 28 30)	2.50 (20.00)
Maint	NRAO staff			Maintenance [Install Mustang]			6	8.50
Maint	NRAO staff			Maintenance	A		8 16 [20 21 22 23 27 29]	17.00 [51.00]
Not Sched	NRAO staff						(7 9 20 21 22 23 24 25 26 28 30 31)	(41.25)
Tests	NRAO staff			Holography	H		(4)	(7.00)
Tests	NRAO staff			Mustang YGOR	M		(10 11 12 14)	(30.00)
Tests	NRAO staff			Mustang Array 3	M		(13 15 21 23)	(24.00)
Tests	NRAO staff			Mustang OOF	M		(24 26)	(8.00)
Tests	NRAO staff			RCO*A	A	DSP	[27 29]	[4.00]

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Tests	NRAO staff			TCAL	KUXQB	DSP	(7)	(1.00)
Total Hrs	Astronomy	613.25	590.75					
	Maintenance	25.50	51.00					
	Un-assigned	41.25						
	Tests	70.00	4.00					

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