

# GBT Observing Schedule for March 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	(10 12)	(17.00)
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	(20 21 22 23 24 25 26 28 29)	(63.00)
GB065	Bach, U. Kirchbaum, T.P. Middelberg, E. Alef, W. Witzel, A. Zensus, J. A.	Osservatoria Astronomico di Torino MPIfR ATNF Max-Planck-Institut Fur Radioa Max-Planck-Institut fur Radioa MPIfR		Resolving the jets in Cygnus A [U. Bach]	Q	5	19	15.00
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 [J. M. Hollis A. Remijan]	KBQ3	S	3 16 17 [14 15 16 17] (7 9 11 13 18 20)	9.50 [18.25] (30.50)
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]	8S	YR	[21 23 24 25 26]	[30.00]
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	(11 13)	(4.00)
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	(10 12 28 30)	(9.00)

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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

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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GBT08A-020	Hessels, J. W. T. Ransom, S. Kaspi, V. Roberts, M. Champion, D. Stappers, B.	ASTRON NRAO - CV McGill University Eureka Scientific, Inc. McGill University University of Manchester	Scott Ransom	Completing the GBT350 Pulsar and Transient Survey of the North Galactic Plane [J. W. T. Hessels]	83	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	[22 29]	[9.00]
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	[25 27 28 29 30]	[34.00]
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]	[2.50]
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	[7 9]	[2.50]
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	[7 9 31]	[5.50]
GBT08B-025	Kramer, M. Stairs, I. McLaughlin, M. Ferdman, R. Camilo, F. Lyne, A. G. Manchester, D.R.	Jodrell Bank University of British Columbia WVU University of British Columbia Columbia Astrophysics Laboratory Manchester, University of Australia Telescope	Scott Ransom	Timing and General Relativity in the Double Pulsar System [M. Kramer]	8	YBG	[24 26]	[11.00]

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	N. Possenti, A. D'Amico, N. Burgay, M. Freire, P.	Istituto Nazionale di Astrofisica Osservatorio di Cagliari Istituto Nazionale di Astrofisica Arecibo Observatory						
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/Institut. d'Astrophys. Spatiale Inst. d'Astrophysique de Paris	Frank Ghigo	A Combined GBT/PdBI CO Survey of Submm Galaxies [I. Smail]	B	Z	2 (14 15 16 17 18 19)	6.50 (24.00)
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 13 14 15 16 18 22 27 29 30]	[25.50]
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	[10 12 25 27]	[3.50]
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 9 21 23]	[17.00]
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.	NRAO - CV NRAO-CV CfA Max-Planck-Institut fur Radioa NRAO-CV Center for Astrophysics ASIAA	Jim Braatz	The Megamaser Cosmology Project: Year 2 [J. A. Braatz]	K	S	3 4 (14 15 16 17 19 24 26 31)	18.00 (39.00)

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	Tilak, A. Hao, L. Lah, P.	Johns Hopkins Cornell Dept. of Astronomy						
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]	4	P	1 5 6 7 8 9 [7 9]	37.50 [18.00]
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	(10 12 13 18 20)	(21.00)
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	4 (7 8 9 10 11 12 13 28 30)	4.50 (59.50)
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	(22 30 31)	(15.25)
GBT08C-094	Remijan, A. Milam, S.	National Radio Astronomy Observatory	Frank Ghigo	Molecular Survey Towards Comet C/2007 N3 (Lulin) [A. Remijan]	LX	S	5	5.00
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	[22 29]	[4.00]
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	8	4.25
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]	4	P	5 6 [7 9]	5.75 [5.25]

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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	2 [18 20]	3.25 [5.00]
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	(31)	(4.50)
GBT09A-013	Mangum, J. G. Darling, J. Menten, K. M. Henkel, C.	NRAO Charlottesville Colorado at Boulder, University of Max-Planck-Institut Fur Radioa Max-Planck-Institut fur Radioa	Jeff Mangum	Kinetic Temperature in Starburst Galaxies [J. G. Mangum]	K	S	(14 15 16 17 18 19 20 21 23 25)	(45.00)
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	2 [7 8 9 11 13 14 15 16 21 22 23 24 25 26 27 28 29 30]	3.00 [105.75]
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	(31)	(4.00)
GBT09A-040	Swinbank, M. Smail, I. Coppin, K. Edge, A. Ellis, R. Baker, A.C. Harris, A. Stark, D. Jones, T. Kneib, J.P. Ebeling, H.	Durham University University of Durham Durham, University of University of Durham Caltech University of Maryland University of Maryland Caltech  Observatoire de Toulouse University of Hawaii	Karen O'Neil	Probing the Gas Properties of Star-Forming Galaxies at High-z via Strong Lensing [M. Swinbank]	B	Z	(21 24 26 27 28 29 30)	(33.50)
GBT09A-043	Lancaster, K. Birkinshaw, M. Wilkinson, P. N. Kus, A. J. Alareedh, A.	University of Bristol University of Manchester Torun Center for Astronomy	Brian Mason	Investigating the radio environments of clusters in the extended OCRA SZ sample [K. Lancaster]	B	K	(21 23)	(4.00)
GBT09A-044	Shirley, Y.L. Schenck, D. Mangum, J. G.	University of Arizona  NRAO Charlottesville	Brian Mason	Modeling the Dust Emission from Class 0 Protostars at 3mm [Y.L. Shirley]	M		(16 17)	(4.00)

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	Mason, B.S. Cotton, B.W. D. Dicker, S. Devlin, M.J. Kornгут, P.	NRAO Green Bank Facility NRAO-CV University of Pennsylvania Rutgers Univ. and Univ. of Pennsylvania						
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	[16 18 30]	[8.50]
GBT09A-048	Privon, G. Whittle, M.	University of Virginia	Jules Harnett	HI observations of Mkn 34 and Mkn 78 [G. Privon]	L	S	[17 18 19 20]	[25.50]
GBT09A-052	Mason, B.S. Dicker, S. Molnar, S. Koch, P. Kornгут, 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		(21 23 24 26)	(15.00)
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 (8 16 18 20 21 22 23 24 25 26 27 28 30)	6.75 (53.25)
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]	L	S	[10 12]	[3.50]
GBT09A-064	Zeiger, B. Darling, J. Baker, A.C. Harris, A.	University of Colorado Colorado at Boulder, University of University of Maryland University of Maryland	Karen O'Neil	A Spectral Survey of an Opaque Atmospheric Window [B. Zeiger]	B	Z	2 3 4 (7 9)	13.00 (14.00)
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	[14 15]	[12.00]
GBT09A-073	Boyles, J. Lorimer, D. McLaughlin, M. Ransom, S. Kondratiev, V.	West Virginia University West Virginia University WVU NRAO - CV West Virginia University	Scott Ransom	Timing new pulsars from the GBT 350-MHz drift-scan survey [J. Boyles]	LS38	GU	[10 12 14 15 25 27]	[9.00]

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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	2 3	8.00
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	1 5 6 [10 11 12 13 14 15 16 17 19]	11.00 [31.00]
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	(7 9)	(4.50)
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	2 [10 12 20 21 22 31]	3.75 [37.50]
GBT09A-087	Nicholson, P. French, R. Black, G. Campbell, D. B. Nolan, M	Cornell University  UVA Cornell University Arecibo Observatory	Frank Ghigo	S-band radar mapping of Saturn's rings [P. Nicholson]	S	X	7 8 9 10 11	16.00
GBT09A-089	Camilo, F. Ransom, S. Gaensler, B.M. Lorimer, D.	Columbia Astrophysics Laboratory NRAO - CV CFA West Virginia University	Scott Ransom	The pulsar in the very young and distant supernova remnant G0.9+0.1 [F. Camilo]	S	U	[11 13]	[13.00]
GLST011217	Tomsick, J.A. Corbel, S. Migliari, S.	Calif.-San Diego CEA-Saclay Amsterdam	Jim Braatz	Probing the High Energy Emission of Microquasars with Multi-wavelength observations [J.A. Tomsick]	X	SD	4 (11 13 18 20 25 27)	2.00 (12.00)

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	Pottschmidt, K. Wilms, J. Rodriguez, J. Pooley, G. G.	Switzerland Mullard Radio Astronomy Observ						
Maint	NRAO staff			Maintenance	384		5 6 17 [10 12 18 20 24 26 31]	25.50 [59.50]
Not Sched	NRAO staff						(29 30 31)	(3.50)
Tests	Maddalena			Gain Cal	QBK	DSP	(22 29)	(20.00)
Tests	Hunter			HOLO	H		(25 27)	(16.00)
Tests	Shelton			M&C Integ			27 [23 25 31]	4.25 [14.50]
Tests	Shelton			M&C Reg	LK	DSP	[28 29]	[12.00]
Tests	Hunter			OOF	M		3	4.00
Tests	Hunter			Pointing	Q		(14 15)	(18.00)
Tests	Hunter			QD			(14 15)	(4.00)
Tests	NRAO staff			RCO*3	3	DSP	[10 12]	[3.00]
Tests	NRAO staff			RCO*4 450MHz	4	DSP	[31]	[1.50]
Tests	NRAO staff			RCO*8	8	DSP	[18 20]	[3.00]
Total Hrs	Astronomy Maintenance Un-assigned Tests	648.75 25.50 3.50 66.25	439.75 59.50					34.00

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