

# GBT Observing Schedule for December 2007

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	1 (8 10 15 16 21 23 29 30)	8.50 (68.00)
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		The Megamaser Cosmology Project [L. J. Greenhill]	K	V	(6 7)	(12.50)
BG168	Gallo, E. Jonker, P.G. Miller-Jones, J. Fender, R.P. Maccarone, T.	UC Santa Barbara CfA Oxford U Southampton U Southampton		Resolving the radio core of quiescent black hole X-ray binaries [E. Gallo]	X	V	2	4.75
BG170	Giovannini, G. Feretti, L. Giroletti, M. Cotton, B.W. D. Perez-Torres, M. A.	Istituto di Radioastronomia Istituto di Radioastronomia Bologna NRAO-CV IAA		Jet and Counter-Jet emission in NGC 315 [G. Giovannini]	CK	5	2	6.50
GBT03C-028	Walter, F. Carilli, C. L. Lo, F.K. Y. Bertoldi, F. Cox, P. Fan, X. Strauss, M. Menten, K. M.	MPIfA NRAO - Socorro NRAO-CV U Bonn IAS/Institut. d'Astrophys. Spatiale Arizona State University Princeton University Max-Planck-Institut Fur Radioa	Dana Balser	The Molecular Gas Content in z>6 Quasars: Probing the End of Cosmic Reionization [F. Walter]	B	S	(9 19 21 22 24)	(32.00)
GBT04A-040	Myers, S.T. Mason, B.S. McMullin, J. Leitch, E.M.	NRAO -SOC NRAO Green Bank Facility NRAO-SOC University of Chicago		Anomalous Microwave Emission from Spinning Dust Grains? [S.T. Myers]	XUB	DOK	(11 12 13 14)	(25.50)
GBT05A-029	VandenBout, P. A. Solomon, P. Maddalena, R.	NRAO-CV SUNY at Stony Brook NRAO-Green Bank		Search for Cold Molecular Gas at High Redshift [P. A. VandenBout]	B	SD	(15 22)	(7.75)
GBT05B-030	Walter, F. Carilli, C. L. Bertoldi, F. Knudsen, K.K. Riechers, D. Beelen, A. Cox, P. Menten, K. M.	MPIfA NRAO - Socorro U Bonn Max-Planck-Institute for Astronomy, Heidelberg Max-Planck-Institute for Astronomy, Heidelberg Bonn	Dana Balser	The Molecular Gas Content in z~6 Quasars: Probing the End of Cosmic Reionization [F. Walter]	B	S	1 (6 8 9 10 11 12 13 14 18 19 20 22 24)	6.00 (44.50)

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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	Fan, X. Strauss, M.	IAS/Institut. d'Astrophys. Spatiale Max-Planck-Institut Fur Radioa Arizona State University Princeton University						
GBT06A-015	Bottinelli, S. Ceccarelli, C. Hollis, J. M. Remijan, A. Williams, J. P.	Observatoire de Grenoble NASA/GSFC National Radio Astronomy Observatory Institute for Astronomy	Dana Balsler	The hot corinos of solar-type protostars [S. Bottinelli]	B	S	(5 22 24)	(9.00)
GBT06C-008	Srianand, R. Gupta, N. Petitjean, P. Saikia, D. J. Boisse, P. Ledoux, C.	Inter-University Centre for As Tata Institute of Fundamental Research Institut d'Astrophysique Tata Institute of Fundamental Research Institut d'Astrophysique de Paris European Southern Observatory	Toney Minter	Search for 21-cm and OH absorption in the DLAs towards Q 0405-443 (CTS 247) [N. Gupta]	4	P	[17 18 19 20 21]	[18.00]
GBT07A-029	Crutcher, R. M. Troland, T. H. Hakobian, N.	University of Illinois University of Kentucky University of Illinois	Toney Minter	A Definitive Test of Star Formation Theory [R. M. Crutcher]	L	P	[12 14 15 16 17 18 20 23]	[58.00]
GBT07A-034	Braatz, J. A. Condon, J. J. Greenhill, L. J. Henkel, C. Reid, M. J. Lo, F.K. Y. Hao, Lei	NRAO - CV NRAO-CV CfA Max-Planck-Institut fur Radioa Center for Astrophysics NRAO-CV Cornell Dept. of Astronomy	Jim Braatz	The Megamaser Cosmology Project: A Survey for H2O Masers in SDSS and 2MRS AGNs [J. A. Braatz]	K	S	(6 8 10 11 12 13 14 15 16 17 18 20)	(73.50)
GBT07A-040	Weintraub, L. Mason, B.S. Readhead, A. C. S. Pearson, T. J.	California Institute of Technology NRAO Green Bank Facility Caltech Caltech	Brian Mason	Detecting the Origin of Arcminute Scale CMB Anisotropy [L. Weintraub]	B	K	(8 9 10 17)	(8.50)
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	Larry Morgan	A GBT Legacy Survey of Prebiotic Molecules Toward SgrB2(N-LMH) and TMC-1 [J. M. Hollis]	LSCXUKBQ34 68A	S	[15 16 19 22 23 24 26 28 31] (6 18 19 20 22 23 24 26 28 29 30)	[42.00] (46.00)
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	(26 28 29 30)	(41.00)

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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 Princeton University 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	28 31	15.00
GBT07A-089	Camilo, F. Ransom, S. Lorimer, D.	Columbia Astrophysics Laboratory NRAO - CV West Virginia University	Scott Ransom	PSR J1833-1034, the Very Young Pulsar in the SNR G21.5-0.9 [F. Camilo]	8	B	[26 28]	[2.00]
GBT07A-094	Ransom, S. Hessels, J. W. T. Stairs, I. Freire, P. Camilo, F. Kaspi, V.	NRAO - CV Universiteit van Amsterdam University of British Columbia Arecibo Observatory Columbia Astrophysics Laboratory McGill University	Scott Ransom	Continued Timing of the 33 Millisecond and Binary Pulsars in Terzan 5 [S. Ransom]	S	G	3	7.75
GBT07B-003	Gupta, N. Srianand, R. Petitjean, P. Noterdaeme, P. Boisse, P.	Tata Institute of Fundamental Research Inter-University Centre for As Institut d'Astrophysique European Southern Observatory Institut d'Astrophysique de Paris	D.J. Pisano	Search for HI 21cm absorption in a complete sample of DLAs at $z > 2$ [N. Gupta]	3	P	4 5 [6 7 8 10 11 13]	8.50 [40.50]
GBT07B-025	Ransom, S. Stairs, I. Freire, P. Hessels, J. W. T.	NRAO - CV University of British Columbia Arecibo Observatory Universiteit van Amsterdam	Scott Ransom	Continued Timing of the Millisecond Pulsars in M28, NGC6440 and NGC6441 [S. Ransom]	S	G	[29 30]	[17.00]
GBT07B-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.	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	26 27	5.25
GBT07B-034	Ferdman, R. Stairs, I. Kramer, M.	University of British Columbia University of British Columbia Jodrell Bank	Scott Ransom	Timing Binary and Millisecond Pulsars from the Parkes Multibeam Survey [R. Ferdman]	L	Y	9 [8 10]	3.50 [16.00]

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	McLaughlin, M. Faulkner, A. Backer, D. C. Demorest, P. Nice, D. Burgay, M. Camilo, F. D'Amico, N. Hobbs, G. Lorimer, D. Lyne, A. G. Manchester, D.R. N. Possenti, A.	WVU University of Manchester University of California, Berkeley UC Berkeley (Physics) Princeton University 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						
GBT07C-008	Campbell, B. Carter, L. Campbell, D. B. Ghent, R.	Smithsonian Institute Smithsonian Institution Cornell University Smithsonian Institution	Frank Ghigo	Arecibo-GBT 70-cm Radar Mapping of the Moon's Northwest Limb [B. Campbell]	4S	X	17 18 19 20	14.50
GBT07C-016	Kanekar, N.	NRAO-AOC	Jim Braatz	Using NH3 lines to probe changes in fundamental constants [N. Kanekar]	KU	S	(27 28 31)	(24.50)
GBT07C-020	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]	SXC	G	3 9 17 26 [26 28] (12 14)	4.00 [2.00] (8.00)
GBT07C-033	Hessels, J. W. T. Ransom, S. Weltevrede, P. Kaspi, V. Stappers, B. Champion, D. Roberts, M.	Universiteit van Amsterdam NRAO - CV  McGill University Netherlands Foundation for Research in Astronomy McGill University Eureka Scientific, Inc.	Scott Ransom	Follow-up Studies of Recent GBT Pulsar Discoveries [J. W. T. Hessels]	8	G	1 3 [21 23]	2.00 [12.00]
GBT07C-043	Bania, T. M. Balsler, D.S. Rood, R. T. Anderson, L.	Boston University NRAO - Green Bank University of Virginia	Dana Balsler	The Electron Temperature Gradient in the Galactic Disk [T. M. Bania]	X	S	[31]	[9.50]
GBT07C-044	McLaughlin, M. Lorimer, D. Boyles, J. Cordes, J. M. Lyne, A. G. Kramer, M.	WVU West Virginia University West Virginia University NAIC and Cornell University Manchester, University of Jodrell Bank	Scott Ransom	Continued Radio Timing Observations of RRAT Sources [M. McLaughlin]	83L	G	2 5 9 [7]	5.50 [1.00]
GBT07C-045	Brown, S. Rudnick, L.	University of Minnesota University of Minnesota	Toney Minter	Probing Magnetic Fields on the Largest Scales [S. Brown]	L	S	2 3 4 [6 9 22 24]	18.25 [28.25]

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GBT07C-057	Darling, J. Mangum, J. G. Willett, K.	Colorado at Boulder, University of NRAO Charlottesville University of Colorado at Boulder	Frank Ghigo	A Critical Density for OH Megamasers? Formaldehyde Holds the Key [J. Darling]	C	S	1	5.50
GBT07C-060	Camilo, F. Ransom, S. Roberts, M. McLaughlin, M. Arzoumanian, Z. Freire, P. Lorimer, D. Ray, P.S. Romani, R. W. Halpern, J. P.	Columbia Astrophysics Laboratory NRAO - CV Eureka Scientific, Inc. WVU NASA/GSFC Arecibo Observatory West Virginia University Naval Research Lab Stanford University Columbia University	Scott Ransom	GLAST timing at GBT: six key radio-faint pulsars [F. Camilo]	S	BG	9 [22 24]	1.50 [3.00]
GBT07C-067	Courtois, H. Tully, R.B. Fisher, R. Zavodny, M.	Institute for Astronomy Institute for Astronomy NRAO Green Bank Facility	Rick Fisher	Bulk Motions of Filaments in the Local Universe [H. Courtois]	L	S	2 3 4 [5 6 9 19 21 28 29 30 31]	9.25 [48.75]
GBT07C-068	Lovell, A. Howell, E.	Agnes Scott College Arecibo Observatory	Toney Minter	OH Observations of Short- and Long-Period Comets [A. Lovell]	L	P	12 27 [11 12 13 14 15 26 28 29 30]	10.50 [55.75]
GBT07C-073	van Leeuwen, J. Stairs, I. Bassa, C.	University of British Columbia University of British Columbia	Scott Ransom	A search for radio pulsars around low-mass white dwarfs [J. van Leeuwen]	3	Y	7 [7 8 9 10 12 14 15 17]	1.50 [43.00]
GBT07C-080	Kondratiev, V. Lorimer, D. McLaughlin, M. Ransom, S.	West Virginia University West Virginia University WVU NRAO - CV	Scott Ransom	A Pulsar Census of the Local Group [V. Kondratiev]	8	G	1 3 [21 22 23 24 27]	6.75 [23.25]
GBT07C-082	Aguirre, J. Spekkens, K.M.M. Mason, B.S.	Cornell University NRAO Green Bank Facility	Brian Mason	Searching for Dark Matter Annihilations in Draco [J. Aguirre]	3	S	[12 14]	[3.00]
GBT07C-084	Kasian, L. Stairs, I. Kramer, M. Lorimer, D.	University of British Columbia University of British Columbia Jodrell Bank West Virginia University	Scott Ransom	GBT Timing of a Young Highly Relativistic Binary Pulsar [L. Kasian]	LS	G	(11 13)	(9.00)
GBT07C-091	Ransom, S. Champion, D. Stairs, I. Nice, D.	NRAO - CV McGill University University of British Columbia Princeton University		A Rare Mass Measurement of an Eccentric Binary Millisecond Pulsar [S. Ransom]	SL	G	3 4 5 6 7	6.00
Comm	Mason			MUSTANG Comm	PBQ	DSP	(14 15 16 17 18 19 20 23)	(48.00)
Comm	Hunter			OOF	P		(7 8 9 10)	(16.00)

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Shutdown	NRAO staff			Christmas Shutdown			24 25 26	36.00
Calibratio	Maddalena			SCAL			(5 7)	(6.00)
Calibratio	NRAO staff			SCAL*4	4	DSP	20	2.00
Maint	NRAO staff			Install 800 MHz	8		21	4.00
Maint	NRAO staff			Install 450 MHz	4	DSP	17	4.00
Maint	NRAO staff			Maintenance			4 5 7 27 [6 11 12 13 14 18 20]	32.00 [59.00]
Maint	NRAO staff			SD			24	1.00
Maint	NRAO staff			SU			26	2.00
Not Sched	NRAO staff						(2 16 17 18 19 20 21 23 28)	(11.75)
Tests	Rood			7C43 tests	X	DSP	19	1.00
Tests	Hunter			Ptg	X	DSP	(8 10)	(8.00)
Tests	NRAO staff			RCO Ku	U	DSP	(6)	(2.50)
Tests	NRAO staff			RCO Ku and 340 MHz	U3	DSP	(4)	(2.50)
Tests	NRAO staff			RCO*3 340MHz			[4 6]	[2.00]
Tests	NRAO staff			RCO*4 450MHz			17	2.00
Tests	NRAO staff			RCO*8 8000MHz	8	DSP	21	2.00
Tests	Ford			Servo tests			4 [4 6]	2.50 [5.50]
Total Hrs	Shutdown	36.00						
	Astronomy	560.75	423.00					
	Commissioning	64.00						
	Calibration	8.00						
	Maintenance	43.00	59.00					
	Un-assigned	11.75						
	Tests	20.50						

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