

# GBT Observing Schedule for January 2008

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	(5 7 16 18 22 23 24 25 29 30 31)	(65.00)
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	(15 16 17 18 19 20 21 22)	(50.00)
GBT05A-027	Blain, A. W. Hainline, L. Borys, C. Smail, I. Greve, T.R. Kneib, J.P.	Caltech Astronomy Caltech (Physics, Maths and Astronomy) University of Toronto University of Durham Caltech (Physics, Maths and Astronomy) Observatoire de Toulouse	Toney Minter	Detecting CO(1-0) in representative high-redshift dusty galaxies using giant gravitational lenses [A. W. Blain]	B	S	2 3 (4 5 6 7 8 9 10 11 13 16 18 23 24 25 26)	13.25 (60.75)
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	(12 14)	(7.00)
GBT05C-043	Kanekar, N. Carilli, C. L. Stocke, J. T.	NRAO-AOC NRAO - Socorro University of Colorado	Dana Balsaer	A blind GBT survey for redshifted molecular absorption [N. Kanekar]	Q	S	(26 28 29 31)	(20.00)
GBT05C-047	Greve, T.R. Hainline, L. Blain, A. W. Borys, C. Chapman, S. Smail, I.	Caltech (Physics, Maths and Astronomy) Caltech (Physics, Maths and Astronomy) Caltech Astronomy University of Toronto U of Cambridge University of Durham	Dana Balsaer	A survey of CO(1-0) from dusty submillimeter galaxies with known redshifts [T.R. Greve]	B	S	3 (4 6 8 9 10 11 13 15 16 17 18)	3.50 (77.50)
GBT05C-048	Higdon, J. L. Higdon, S.J. Weedman, D. W. Houck, J. Jannuzi, B. Dey, A. Le Floch, E.	Cornell University Cornell Cornell Cornell University NOAO NOAO Arizona University	Dana Balsaer	Molecular Gas In Optically Invisible Hyper-Luminous Infrared Galaxies [J. L. Higdon]	BQ	S	(9 11 15 16 17 18 19 21 22 23 24 25)	(55.50)
GBT06C-017	Blanton, M. Christiansen, W. A. Cecil, G. N.	North Carolina, University of University of North Carolina University of North Carolina	Frank Ghigo	Mapping the Galactic Center Lobe [M. Blanton]	U	D	(19 21)	(12.00)

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

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GBT06C-026	Dickinson, Clive Casassus, S. Reach, W. T. Paladini, R. Banday, Anthony Pearson, T. J. Cleary, Kieran Bernard, J.P.	Jet Propulsion Laboratory Chile, Universidad de IPAC, Caltech California Institute of Technology Max Planck Institute for Astronomy, Garching Caltech Jet Propulsion Laboratory CESR, Toulouse	Larry Morgan	The spinning dust grains of LDN1622 [Clive Dickinson]	U	D	(12 14 20 26 27 28)	(21.75)
GBT07A-009	Pisano, D.J.	NRAO-GB	D.J. Pisano	HI Emission from Gravitationally Lensed Galaxies at z~0.5 [D.J. Pisano]	A	P	[16 18 19 20 21 22]	[61.00]
GBT07A-015	Mangum, J. G. Menten, K. M. Henkel, C. Darling, J.	NRAO Charlottesville Max-Planck-Institut Fur Radioa Max-Planck-Institut fur Radioa Colorado at Boulder, University of	Frank Ghigo	Formaldehyde Densitometry of External Galaxies [J. G. Mangum]	U	S	(9 11 15 17)	(12.00)
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	[5 6 7 8 9 10 11 12 13 14]	[48.00]
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	(4 6 13)	(25.50)
GBT07A-050	Cyganowski, C. Churchwell, E. B. Watson, C. Indebetouw, R. Whitney, B.	Wisconsin at Madison, University of University of Wisconsin Manchester College University of Virginia Space Science Institute	Toney Minter	Kinematics of Ionized and Molecular Gas Associated with IR Dust Bubbles [C. Cyganowski]	K	SD	(20)	(6.00)
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	Larry Morgan	A GBT Legacy Survey of Prebiotic Molecules Toward SgrB2(N-LMH) and TMC-1 [J. M. Hollis]	LSCXUKBQ34 68A	S	[6 12 13 16 18 19 20 21 26 27] (12)	[47.25] (3.25)
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	3 (3 29 30 31)	8.75 (26.00)

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GBT07A-071	Kanekar, N. Meier, D.S.	NRAO-AOC National Radio Astronomy Observatory	Toney Minter	A search for molecular oxygen at intermediate redshift [N. Kanekar]	B	S	(20 28)	(10.25)
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]	L8	RY	[29 30 31]	[22.50]
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	[30]	[1.00]
GBT07B-020	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	[5 7]	[2.50]
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]	8	YBG	[29 30 31]	[8.75]
GBT07B-034	Ferdman, R. Stairs, I. Kramer, M. 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.	University of British Columbia University of British Columbia Jodrell Bank 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	Scott Ransom	Timing Binary and Millisecond Pulsars from the Parkes Multibeam Survey [R. Ferdman]	L	Y	1 [5 7]	1.50 [4.00]

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	Manchester, D.R. N. Possenti, A.	Manchester, University of Australia Telescope Istituto Nazionale di Astrofisica						
GBT07C-016	Kanekar, N.	NRAO-AOC	Jim Braatz	Using NH3 lines to probe changes in fundamental constants [N. Kanekar]	KU	S	(12 16 18 19 20 21 22 23 24 25 26 27)	(31.25)
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]	S	G	1 27 [8 10 15 17 20 22 30]	2.00 [6.75]
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 [29 31]	1.50 [2.00]
GBT07C-038	Carter, L. Campbell, D. B. Nolan, M	Smithsonian Institution Cornell University Arecibo Observatory	Frank Ghigo	Radar Polarimetry of Near Earth Asteroids [L. Carter]	S	X	9 10	6.75
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	(27 28 29 30 31)	(13.75)
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	1 [3 4 5 6 7 9 10 16 18 19 21]	8.50 [49.75]
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]	8	G	1	3.00
GBT07C-051	Balsler, D.S. Goss, W. M.	NRAO - Green Bank NRAO-SOC	Dana Balsler	Pilot Project to Survey Galaxies for Young Nuclear Star Clusters [D.S. Balsler]	Q	S	(20)	(3.00)
GBT07C-060	Camilo, F. Ransom, S. Roberts, M. McLaughlin, M. Arzoumanian, Z. Freire, P.	Columbia Astrophysics Laboratory NRAO - CV Eureka Scientific, Inc. WVU NASA/GSFC Arecibo Observatory	Scott Ransom	GLAST timing at GBT: six key radio-faint pulsars [F. Camilo]	S	BG	[5 7 19 21]	[6.00]

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	Lorimer, D. Ray, P.S. Romani, R. W. Halpern, J. P.	West Virginia University Naval Research Lab Stanford University Columbia University						
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	1 2 [4]	16.50 [8.00]
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	[6 8 11 12 13 14 15 16 17 18]	[61.75]
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	[5 6 7 8 9 10 11 13]	[30.00]
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	[16 18]	[9.00]
Comm	Mason			MUSTANG Comm	P		(5 7 12 14)	(32.00)
Comm	Hunter			OOF	BQ	DSP	(8 10)	(16.00)
Calibratio	Maddalena			S CAL			(6 13)	(18.00)
Calibratio	Maddalena			SCAL	KQBU	DSP	(22 24)	(21.50)
Maint	NRAO staff			Install PF2	A		14	4.00
Maint	NRAO staff			Install PF1/800	8		28	4.00
Maint	NRAO staff			Maintenance			2 [4 8 9 10 11 15 17 22 23 24 25 29 31]	8.50 [110.50]
Not Sched	NRAO staff						27 (12 14 20 23 25 26 27 28)	10.50 (40.75)
Tests	Hunter			Ptg	X	DSP	(29 31)	(15.00)
Tests	NRAO staff			RCO*8 PF1	8	DSP	28	2.00
Tests	NRAO staff			RCO*A PF2	A	DSP	14	2.00

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Tests	Ford			Servo tests			2 [4 22 24]	4.00 [12.00]
Total Hrs	Astronomy	565.75	368.25					
	Commissioning	48.00						
	Calibration	39.50						
	Maintenance	16.50	110.50					
	Un-assigned	51.25						
	Tests	23.00	12.0					

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