

# GBT Observing Schedule for January 2006

Proposal	Investigators	Institute	NRAO Friend	Title	Bands	Back Ends	Days *	Hrs *
BB191	Barvainis, R. E. Ulvestad, J. Birkinshaw, M. Lehar, J.	National Science Foundation NRAO - Socorro University of Bristol CombinatoRx		Are Radio-Quiet Quasars Superluminal? [R. E. Barvainis]	C	V	30	2.00
BB218	Bietenholz, M. F. Bartel, N. Rupen, M. P.	York University York University NRAO - SOC		Does the Ursa Minor Dwarf Spheroidal Host an Intermediate Mass BH?	L	V	2	8.00
BK127	Knudsen, K.K. Walter, F. Momjian, E. Carilli, C. L. Yun, M.	Max-Planck-Institute for Astronomy, Heidelberg MPIfA Arecibo Observatory (Puerto Rico) NRAO - Socorro University of Massachusetts		Resolving the AGN and the starburst in an intensely starforming quasar	L	V	9	7.00
BM238	Momjian, E. Carilli, C. L. Walter, F. Riechers, D.	Arecibo Observatory (Puerto Rico) NRAO - Socorro MPIfA Max-Planck-Institute for Astronomy, Heidelberg		Testing the AGN vs. AGN+starburst hypotheses in the z = 4:4 QSO BRI 1335-0417	L	V	7	7.00
GBT01A-005	Turner, B. Langston, G. I.	NRAO-CV NRAO-GB	F. D. Ghigo	A High-resolution Spectral Survey Of Tmc-1 At Q-band [B. Turner]	Q	S	6 7 15 16 19 20	21.75
GBT04A-038	Mason, B.S. Readhead, A. C. S. Reeves Diaz, R. Bustos, R. Pearson, T. J. Myers, S. Shepherd, M. C.	NRAO Green Bank Facility Caltech Universidad de Concepcion Universidad de Concepcion Caltech NRAO -SOC Caltech		GBT Observations of Radio Sources in CBI Intrinsic Anisotropy Fields [B.S. Mason]	B	OD	(31)	(5.50)
GBT04B-014	Kondratko, P.T. Greenhill, L. J. Moran, J. M. Braatz, J. A.	Harvard University CfA CfA NRAO	J. A. Braatz	Anchoring the Extragalactic Distance Scale [P.T. Kondratko]	KU	S	(21 22 23 24 25 26 27 29 30)	(57.00)
GBT04C-031	Kondratko, P.T. Greenhill, L. J. Moran, J. M. Lovell, J.E.J. Kuiper, T. B. H. Jauncey, D. L.	Harvard University CfA CfA ATNFc/o COSSA JPL ATNF	J. A. Braatz	Monitoring of Five NGC4258-like Water Megamasers Discovered with the GBT and the DSN [P.T. Kondratko]	K	S	(31)	(2.50)
GBT04C-043	Ransom, S. Freire, P. Gupta, Y.	NRAO Arecibo Observatory National Centre for Radio Astrophysics	S. Ransom	Timing the Eccentric Millisecond Pulsar Binary in Globular Cluster NGC 1851 [S. Ransom]	4	G	8	2.50
GBT04C-050	Lane, W.M. Fisher, R.	Naval Research Lab NRAO Green Bank Facility	R. Fisher	Measurement of Variable Redshifted 21cm Absorption [W.M. Lane]	A	P	29 [22 24]	1.50 [3.50]

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

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	Kanekar, N. Darling, J.	NRAO-AOC Carnegie Institution of Washington (Headquartes)						
GBT05A-011	Ransom, S. Camilo, F. Stairs, I. Kaspi, V. Hessels, J. W. T. Freire, P.	NRAO Columbia Astrophysics Laboratory University of British Columbia McGill University McGill University Arecibo Observatory	S. Ransom	Timing of the Binary and Millisecond Pulsars in Terzan5 [S. Ransom]	S	GO	11	7.50
GBT05A-041	Demorest, P. Backer, D. C. Ferdman, R. Stairs, I. Nice, D. Ramachandran, R.	UC Berkeley (Physics) University of California, Berkeley University of British Columbia University of British Columbia Princeton University UC Berkeley (Astronomy)	S. Ransom	Precision Timing of Binary and Millisecond Pulsars [P. Demorest]	L8	COG	1 3 [31]	8.00 [3.50]
GBT05B-019	Roberts, M. Hessels, J. W. T. Breton, R. Ransom, S. Kaspi, V.	McGill University (Physics Dept) McGill University McGill University NRAO McGill University	S. Ransom	Examining the Intermittent Emission of PSR J1744-3922 [M. Roberts]	S	GB	[25 27]	[10.00]
GBT05B-034	Stairs, I. Camilo, F. Kramer, M. Faulkner, A. McLaughlin, M. Lyne, A. G. Hobbs, G. Manchester, D.R. N. Possenti, A. D'Amico, N. Burgay, M. Ferdman, R. Ramachandran, R. Backer, D. C. Demorest, P. Nice, D.	University of British Columbia Columbia Astrophysics Laboratory NRAL Nuffield Radio Astronomy Laboratories University of Manchester NRAL Australia Telescope National Facility (ATNF) Australia Telescope Osservatorio di Cagliari Osservatorio di Cagliari Istituto Nazionale di Astrofisica University of British Columbia UC Berkeley (Astronomy) University of California, Berkeley UC Berkeley (Physics) Princeton University	S. Ransom	Timing Binary and Millisecond Pulsars from the Parkes Multibeam Survey [I. Stairs]	L	BOG	1 29	10.25
GBT05B-042	Kramer, M. Stairs, I. Camilo, F. McLaughlin, M. Lyne, A. G. Manchester, D.R. N. Possenti, A.	NRAL University of British Columbia Columbia Astrophysics Laboratory University of Manchester NRAL Australia Telescope Osservatorio di Cagliari Osservatorio di Cagliari	S. Ransom	Timing and General Relativity in the Double Pulsar System [M. Kramer]	L	BOG	13 14	5.00

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	D'Amico, N. Burgay, M. Freire, P. Joshi, B. Ferdman, R.	Istituto Nazionale di Astrofisica Arecibo Observatory National Centre for Radio Astrophysics (India) University of British Columbia						
GBT05C-004	O'Dea, C. P. Gallimore, J.F. Baum, S. A. Verdoes Kleijn, G. Owen, F. N. Keel, B.W. C. Ledlow, M.	Rochester Institute of Technology (Physics) Bucknell University Rochester Institute of Technology (CIS) Kapteyn Astronomical Institute NRAO-SOC University of Alabama Gemini Observatory	R. Maddalena	Does Radio Power Depend on Black Hole Mass ? [J.F. Gallimore]	K	S	11 19	8.75
GBT05C-009	Joncas, G. Bariault, L. Boothroyd, A. Landecker, T. L. Lockman, F. J. Martin, P.G. Miville-Deschenes, M. Taylor, A. R.	Universite Laval Universite Laval University of Toronto DRAO NRAO-GB University of Toronto IAS Univ. Paris-Sud University of Calgary	F. J. Lockman	GBT HI Observations of the DRAO Deep Field: Determining Foregrounds for Planck [F. J. Lockman]	L	P	15	9.50
GBT05C-010	Chin, Y. Lemme, C. Kaiser, Ralf I.	German Cultural Center Taipei University of Hawaii, Chemistry Department	D.S. Barger	A Search for Interstellar Benzonitrile (C6H5CN) -- A Key Tracer of Benzene [Y. Chin]	UXKC	S	20 [28 30 31] (22 23 24 25 26 27 28 30)	3.00 [12.25] (28.50)
GBT05C-014	Devine, K. Chandler, C. Brogan, C.L. Shirley, Y.L. Indebetouw, R. Churchwell, E. B.	University of Wisconsin at Madison NRAO-Socorro JCMT University of Arizona University of Virginia University of Wisconsin	R. Maddalena	Ammonia and CCS Observations of GLIMPSE Infrared Dark Clouds [C. Chandler]	K	S	(23 25)	(4.75)
GBT05C-015	Henkel, C. Braatz, J. A. Ott, J. Menten, K. M.	Max-Planck-Institut fur Radioa NRAO ATNF Max-Planck-Institut Fur Radioa	J. A. Braatz	Ammonia in Ultraluminous Infrared Galaxies [J. A. Braatz]	K	S	21 (23 31)	4.00 (8.75)
GBT05C-016	Bolatto, A. Darling, J. Willott, C.	University of California at Berkeley Carnegie Institution of Washington (Headquartes) Herzberg Institute of Astrophysics	F. D. Ghigo	A Search for HI and Molecular Absorption in an Extremely Reddened QSO [A. Bolatto]	4K	S	4 5 14 16	13.00
GBT05C-018	Robishaw, T. Heiles, C. E. Quataert, E.	University of California at Berkeley University of California University of California at Berkeley	A. Minter	OH Megamasers in ULIRGs: The Mega-Obvious Place to Look for Zeeman Splitting! [T. Robishaw]	L	P	[21 22 23 24 25 26 27]	[26.00]

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GBT05C-019	Robishaw, T. Heiles, C. E.	University of California at Berkeley University of California	A. Minter	The Galactic Arachnid in the Ursa Major Loop [T. Robishaw]	L	P	16 17 20 21 28 30 [22 23 25 26 27 28] (24 26)	35.75 [41.75] (16.00)
GBT05C-021	Miville-Deschenes, M. Boulanger, F. Lockman, F. J. Boothroyd, A. Martin, P.G.	IAS Univ. Paris-Sud Institut d'Astrophysique Spatiale NRAO-GB University of Toronto University of Toronto	F. J. Lockman	Characterizing Dust in High Velocity Clouds [F. J. Lockman]	L	P	2 3 8 9 10 11 13 14	32.00
GBT05C-022	Braatz, J. A. Henkel, C.	NRAO Max-Planck-Institut fur Radioa	J. A. Braatz	The Accretion Disks and Supermassive Black Holes in NGC 2273 and NGC 4051 [J. A. Braatz]	K	S	11 12	4.00
GBT05C-023	Camilo, F. Ransom, S. Gaensler, B.M. Slane, P.O. Lorimer, D. Manchester, D.R. N.	Columbia Astrophysics Laboratory NRAO CFA CfA University of Manchester Australia Telescope	S. Ransom	PSR J1833-1034, the Very Young Pulsar in the SNR G21.5-0.9 [F. Camilo]	8	GB	9	1.50
GBT05C-026	Devlin, T. Devlin, M.J. Mason, B.S.	Rutgers University Rutgers Univ. and Univ. of Pennsylvania NRAO Green Bank Facility	B.S. Mason	Polarization of 30 GHz emission from extra-galactic sources [T. Devlin]	XQ	P	1	3.00
GBT05C-029	Thuan, T. X. Izotov, Y. Hibbard, J. E. Hunt, L.	University of Virginia Kiev Observatory NRAO-CV INAF-Istituto di Radioastronomia	K. O'Neil	The HI Content of Extremely Metal-deficient Blue Compact Dwarf Galaxies [J. E. Hibbard]	L	S	4 5	11.75
GBT05C-031	Kepley, A. Wilcots, E. Robishaw, T. Heiles, C. E. Zweibel, E.	University of Wisconsin at Madison (Astronomy) University of Wisconsin University of California at Berkeley University of California University of Wisconsin at Madison (Astronomy)	A. Minter	Magnetic Fields in Dwarf Irregular Galaxies: NGC 4214 [A. Kepley]	X	P	12	3.75
GBT05C-033	Krco, M. Goldsmith, P. F.	Cornell University Cornell	K. O'Neil	Structure and Formation of the Filamentary Cloud L204 [M. Krco]	L	S	14 15 20	14.50
GBT05C-034	Kameno, S. Nakai, N. Sawada-Satoh, S. Sato, N. Yoshikawa, Ryo	NAO Tsukuba University Academia Sinica Institute of Astronomy and Astrophysics Nobeyama Radio Observatory University of Tokyo	K. O'Neil	Water maser tomography through molecular torus of NGC 1052 [S. Kameno]	K	S	11 12	3.00

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GBT05C-037	Kanekar, N. Carilli, C. L. Langston, G. I. Stocke, J. T. Menten, K. M. Rocha, G.	NRAO-AOC NRAO - Socorro NRAO-GB University of Colorado Max-Planck-Institut Fur Radioa University of Cambridge	G. I. Langston	Measuring changes in fundamental constants with redshifted OH lines [N. Kanekar]	A	S	16 17 18 21 [21 22 23 24 25 26 27]	14.00 [31.50]
GBT05C-041	Agueros, M. Camilo, F. Anderson, S. B.	Columbia Astrophysics Laboratory University of Washington	S. Ransom	Detecting Pulsar Companions to Two Very Low-Mass White Dwarfs [M. Agueros]	8	G	11	6.00
GBT05C-042	Ransom, S. Freire, P. Hessels, J. W. T. Begin, S. Stairs, I. Camilo, F. Kaspi, V.	NRAO Arecibo Observatory McGill University University of British Columbia University of British Columbia Columbia Astrophysics Laboratory McGill University	S. Ransom	Timing the Binary and Millisecond Pulsars in NGC6440 and NGC6441 [S. Ransom]	S	GY	5	7.00
GBT05C-046	Stairs, I. Lorimer, D.	University of British Columbia University of Manchester	S. Ransom	Timing of a Relativistic Binary and other Pulsars from the Arecibo PALFA Survey [I. Stairs]	L	YG	13	4.00
GBT05C-051	Braatz, J. A. Gugliucci, N.	NRAO University of Virginia	J. A. Braatz	A Snapshot Survey for H2O Megamasers in Nearby, Luminous Galaxies [J. A. Braatz]	K	S	5	2.50
GBT05C-056	Freire, P. Ransom, S. Stairs, I. Hessels, J. W. T. Kaspi, V. Camilo, F. Begin, S.	Arecibo Observatory NRAO University of British Columbia McGill University McGill University Columbia Astrophysics Laboratory University of British Columbia	S. Ransom	A GBT S-band Globular Cluster Survey: Phase B [P. Freire]	S	G	3 10 18 19 22 23 (25 27)	38.25 (8.50)
GBT05C-057	Jorgenson, R. Wolfe, A. M. Prochaska, J. Darling, J.	University of California at San Diego University of California-San D University of California Carnegie Institution of Washington (Headquartes)	F. D. Ghigo	Search for 21cm Absorption toward Radio Loud, Extremely Optically Faint Sources [R. Jorgenson]	4A	S	6 7 8 29	23.25
GBT06A-001	Fish, V.L.	NRAO New Mexico Facilities	A. Minter	SiH: The Hiding Hydride [V.L. Fish]	C	S	[31]	[7.00]
GBT06A-008	Minter, A.	NRAO - Green Bank	A. Minter	A Better Approach To Finding Pulsars With OH Absorption [A. Minter]	L	S	2 6 8	13.00
GBT06A-009	Condon, J. J. Braatz, J. A. Lo, F.K. Y.	NRAO-CV NRAO NRAO-CV	J. A. Braatz	H_0 and Dark Energy [J. J. Condon]	K	S	(31)	(4.00)
GBT06A-018	McMullin, J. Balsler, D.S.	NRAO-SOC NRAO - Green Bank		Isotopic Abundances in Planetary Nebulae [D.S. Balsler]	Q	S	18 19	12.00

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GBT06A-032	Braatz, J. A. Lo, F.K. Y. Jewell, P. R.	NRAO NRAO-CV NRAO-GB		A Search for the First SiO Megamaser [J. A. Braatz]	Q	S	16	5.50
GBT06A-039	Camilo, F. Gaensler, B.M. Lorimer, D. Ransom, S.	Columbia Astrophysics Laboratory CFA University of Manchester NRAO	S. Ransom	Deep Searches of Three Pulsar Wind Nebulae [F. Camilo]	S	G	8	6.50
GBT06A-043	Morgan, L. Urquhart, J. Thompson, M.	National Radio Astronomy Observatory (NRAO) University of Leeds The University Of Hertfordshire	L. Morgan	OH Masers In Triggered Star Forming Regions [L. Morgan]	L	S	1 16 [31]	5.50 [0.50]
GBT06A-044	Darling, J. Stocke, J. T. Willett, K.	Carnegie Institution of Washington (Headquartes) University of Colorado University of Colorado at Boulder		Intrinsic HI and OH Absorption in Compact Radio Sources at High Redshift [J. Darling]	4A	S	3 4 6 7 20 29 30 [29]	29.50 [4.00]
GBT06A-046	Langston, G. I. Turner, B.	NRAO-GB NRAO-CV	G. I. Langston	A search for the Largest Interstellar Molecule, HC <sub>13</sub> N [G. I. Langston]	U	S	14 15 17 18	9.50
GBT06A-062	Margot, J.L. Campbell, D. B. Jurgens, R. Slade, M.	Cornell University Cornell University JPL JPL		Venus spin dynamics [J.L. Margot]	X	X	23 28 29	6.25
Comm	NRAO staff			HF Comm	QB	DSP	5 6 9 10 12 13 (25 26 27 28)	44.00 (24.50)
Maint	NRAO staff			Install 450 MHz			3	3.00
Maint	NRAO staff			Install 800 MHz			9	3.00
Maint	NRAO staff			Install PF1			30	4.00
Maint	NRAO staff			L Band	L		18	2.50
Maint	NRAO staff			Maintenance			4 10 13 17 [24 26 31] (27)	29.75 [25.50] (4.00)
Setup	NRAO staff			Observation setup	8CLQBKU4AS X	GBVSODPCY X	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 28 29 30 [21 22 23 24 25 26 27 28 29 30 31] (21 22 23 24 25 26 27 28 29 30	43.50 [12.50] (12.50)

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							31)	
Tests	O'Neil			Astrid tests	L	DSP	6	2.00
Tests	Clark			M&C Tests	L	DSP	8	2.00
Tests	NRAO staff			M&C tests	L	DSP	(31)	(5.50)
Tests	NRAO staff			Poln tests Mason	X	DSP	1 2	4.00
Tests	Minter			RCO 6A40	K	PD	(28)	(1.50)
Tests	NRAO staff			RCO 800	8	DSP	30	3.00
Tests	NRAO staff			RCO PF2	A	DSP	16	2.00
Tests	NRAO staff			RCO*4 450MHz	4	DSP	4	2.50
Tests	NRAO staff			RCO*8 800 MHz	8	DSP	9	2.00
Total Hrs	Astronomy	546.25						
	Setup	56.00	140.00					
	Commissioning	68.50	12.50					
	Maintenance	46.25	25.50					
	Un-assigned	2.50						
	Tests	24.50						

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