

# GBT Observing Schedule for September 2005

Proposal	Investigators	Institute	NRAO Friend	Title	Bands	Back Ends	Days *	Hrs *
BB203	Barvainis, R. E. Ulvestad, J. Birkinshaw, M. Lehar, J.	National Science Foundation NRAO University of Bristol CombinatoRx		Are Radio-Quiet Quasars Superluminal? [R. E. Barvainis]	C	V	4 9	7.00
GBT02C-025	Greve, T.R. Iverson, R. J. Carilli, C. L. Papadopoulos, P. P. Lewis, G.F.	Caltech (Physics, Maths and Astronomy) Astronomy Technology Centre NRAO Leiden University Sydney U		CO(1-0) in the 'big five' high-z sources [T.R. Greve]	K	S	(27 29)	(10.00)
GBT04B-014	Kondratko, P.T. Greenhill, L. J. Moran, J. M. Braatz, J. A.	Harvard University Harvard-Smithsonian CfA NRAO		Anchoring the Extragalactic Distance Scale [P.T. Kondratko]	KU	S	(27 28 29 30)	(30.00)
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]	3	G	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	18.00
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]	S8	GO	11 (24 26)	7.50 (15.00)
GBT05A-014	Bailes, M. Ord, S. Jacoby, B. Kulkarni, S. R. Camilo, F. Hotan, H. Edwards, Russell	Swinburne University of Technology Swinburne University of Technology Caltech Astronomy Caltech Columbia Astrophysics Laboratory Swinburne University of Technology Australia Telescope National Facility	S. Ransom	A High Sensitivity Millisecond Pulsar Survey [M. Bailes]	3	O	5 10 12	18.25
GBT05A-015	Kondratko, P.T. Greenhill, L. J. Braatz, J. A. Moran, J. M.	Harvard University Harvard-Smithsonian NRAO CfA	J. A. Braatz	Search for Extragalactic Water Maser Emission with the GBT: Independent Measurement of the Hubble Constant [P.T. Kondratko]	K	S	(19 20 21 22 23 27 28 29 30)	(46.25)
GBT05A-036	Ransom, S. Hessels, J. W. T. Kaspi, V. Roberts, M.	NRAO McGill University McGill University McGill University (Physics Dept)	S. Ransom	A 350-MHz Survey of the Northern Galactic Plane for Pulsars [S. Ransom]	3	G	3 6 8 15 16	31.00

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

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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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	[24 26]	[14.00]
GBT05A-048	Camilo, F. Ransom, S. Gaensler, B.M. Lorimer, D. Manchester, D.R. N.	Columbia Astrophysics Laboratory NRAO CFA University of Manchester Australia Telescope		Exploratory Time Request: Have we detected the very young pulsar in SNR G21.5-0.9? [F. Camilo]	8	BG	25	1.50
GBT05B-002	Taylor, G.B. Romani, R. W. Peck, A.B. Zavala, R.	UNM Stanford University CfA USNO	J. A. Braatz	Searching for Water Masers in the Black Hole Binary System 0402+379 [G.B. Taylor]	K	DS	(20 22)	(8.00)
GBT05B-010	Hollis, J. M. Jewell, P. R. Lovas, F. J. Remijan, A.	NASA/GSFC NRAO-GB National Institute of Standards and Technology NASA/Goddard	P. R. Jewell	A Low Frequency Search For Large-scale Glyceraldehyde [J. M. Hollis]	SLXU	SD	6 7 8 9 14 (18 19 20 22 25 28 30)	31.00 (43.00)
GBT05B-011	Minter, A.	NRAO - Green Bank	A. Minter	Using Pulsar HI Absorption to Determine the Distance to the Local Spiral Arm in the Second Quadrant of the Galaxy [A. Minter]	L	P	1 4	11.50
GBT05B-019	Roberts, M. Hessels, J. W. T. Bretton, Rene 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]	SC	GB	[18 25 28 30]	[20.00]
GBT05B-024	Yusef-Zadeh, F. Hewitt, J. Roberts, D.A.	Northwestern University Northwestern University North Western University	R. Maddalena	RRL observations of diffuse thermal sources near the Galactic Center nonthermal radio filaments [F. Yusef-Zadeh]	X	S	1	5.50
GBT05B-028	Freire, P. Ransom, S. Hessels, J. W. T. Stairs, I. Begin, S.	Arecibo Observatory NRAO McGill University University of British Columbia University of British Columbia	S. Ransom	A GBT S-band Globular Cluster Survey: Phase A [P. Freire]	S	G	12 15 16	18.00
GBT05B-031	Riechers, D. Walter, F. Carilli, C. L. Knudsen, K.K. Bertoldi, F. Beelen, A. Menten, K. M.	Max-Planck-Institute for Astronomy, Heidelberg MPIfA NRAO Max-Planck-Institute for Astronomy, Heidelberg Radioastronomical Institute,	D.S. Balsaer	The Low-Excitation Molecular Gas Content of High-Redshift Quasars out to z=5.1 [D. Riechers]	K	S	3 6 7 10 13 14 (18 20 21 22 23 25)	52.25 (60.50)

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	Yun, M. Scoville, N. Z.	University of Bonn IAP-Paris Max-Planck-Institut Fur Radioa University of Massachusetts Caltech						
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 Osservatorio di Bologna 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	[27 29]	[3.00]
GBT05B-040	Stinebring, D. R. Ransom, S. Minter, A.	Oberlin College NRAO NRAO - Green Bank	A. Minter	Scintillation Substructure in a Sample of Pulsars [D. R. Stinebring]	38	PG	17 19 (21 23 24 26)	25.00 (47.00)
GBT05B-042	Kramer, M. Stairs, I. Camilo, F. McLaughlin, M. Lyne, A. G. Manchester, D.R. N. Possenti, A. D'Amico, N. Burgay, M. Freire, P. Joshi, B. Ferdman, R.	NRAL University of British Columbia Columbia Astrophysics Laboratory University of Manchester NRAL Australia Telescope Osservatorio di Cagliari Osservatorio di Cagliari Osservatorio di Bologna Arecibo Observatory National Centre for Radio Astrophysics (India) University of British Columbia	S. Ransom	Timing and General Relativity in the Double Pulsar System [M. Kramer]	L8	BOG	[24 26]	[10.00]
GBT05B-044	McLaughlin, M. Possenti, A. Stairs, I. Kramer, M. Lyne, A. G. Lyutikov, M. Burgay, M. Manchester, D.R.	University of Manchester Osservatorio di Cagliari University of British Columbia NRAL NRAL McGill University Osservatorio di Bologna Australia Telescope	S. Ransom	Studying the Interactions in the J0737-3039 System [M. McLaughlin]	3	BYG	12	5.00

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	N. Freire, P. Camilo, F.	Arecibo Observatory Columbia Astrophysics Laboratory						
GBT05B-054	Carignan, C. Chemin, L. Lockman, F. J.	Universite de Montreal University of Montreal NRAO-GB	F. J. Lockman	HI Kinematics in the Outer Parts of M31 [C. Carignan]	L	P	[26]	[3.50]
GBT05B-059	Ransom, S. Hessels, J. W. T. Freire, P. Stairs, I. Camilo, F. Kaspi, V.	NRAO McGill University Arecibo Observatory University of British Columbia Columbia Astrophysics Laboratory McGill University	S. Ransom	Confirming the Fastest Known Pulsar [S. Ransom]	LC	G	10 13 [19 23]	4.00 [8.00]
GBT05C-005	Yun, M. Borthakur, Sanchayeeta Verdes-Montenegro, L.	University of Massachusetts University of Massachusetts Instituto de Astrofisica de An	K. O'Neil	What Happens to the Stripped HI in Compact Groups? [M. Yun]	L	S	[30]	[1.50]
GBT05C-008	Maccarone, T. Stappers, B. Kundu, A. Zepf, Stephen Piro, Anthony Bildsten, L. Kaplan, D.L.	University of Amsterdam Michigan State University Michigan State University University of California Santa Barbara Kavli Institute for Theoretical Physics Massachusetts Institute of Technology (Astrophysics)	S. Ransom	Searching for pulsars in dwarf spheroidal galaxies [T. Maccarone]	3	O	2 7 9	16.50
GBT05C-025	Camilo, F. Gaensler, B.M. Lorimer, D. Ransom, S.	Columbia Astrophysics Laboratory CFA University of Manchester NRAO	S. Ransom	Deep Searches of Six Pulsar Wind Nebulae [F. Camilo]	S	G	3 4 5	24.75
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	11 17 [18]	13.25 [14.00]
GBT05C-037	Kanekar, N. Carilli, C. L. Langston, G. I. Stocke, J. T. Menten, K. M. Rocha, G.	NRAO-AOC NRAO 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]	8	S	[19 20 21 22 23 27 28 29 30]	[58.00]
Comm	Balser			HF Comm	QB	DSP	9 10 11 12 13 14 (17 18 24 25 27)	30.50 (14.75)

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Calibratio	Balser			Calib Ptg X band	X	DSP	2	15.50
Maint	NRAO staff			Install 800 MHz			19	3.00
Maint	NRAO staff			Maintenance			1 7 8 15 16 [20 21 22 23 27 28 29 30]	43.50 [68.00]
Setup	NRAO staff			Observation setup	CKU3S8LX	VSGOCBDPY	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 25 [17 18 19 20 21 22 23 24 25 26 27 28 29 30] (18 19 20 21 22 23 24 25 26 27 28 29 30)	31.00 [11.00] (18.00)
Tests	Clark			Astrid Tests	L	DSP	4	3.50
Tests	Ghigo			Astrid tests	KL	DSP	15 [18]	3.00 [2.00]
Tests	NRAO staff			M&C Integ	LSXCU	DSP	[20 21 22 23 27 29]	[24.00]
Tests	NRAO staff			M&C Reg Tests	LSXCU	DSP	[24 25 26 27]	[23.75]
Tests	Ghigo			RCO 5C16	K	DS	13	3.00
Tests	NRAO staff			RCO*8 800MHz	8	DSP	19	2.00
Tests	Braatz			Test K band			13	1.50
Total Hrs	Astronomy	549.75	132.00					
	Setup	49.00	11.00					
	Commissioning	45.25						
	Calibration	15.50						
	Maintenance	46.50	68.00					
	Un-assigned	1.00						
	Tests	13.00						

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