

# 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. 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	4.50
GBT04C-031	Kondratko, P.T. Greenhill, L. J. Moran, J. M. Lovell, J.E.J. Kuiper, T. B. H. Jauncey, D. L.	Harvard University Harvard-Smithsonian CfA ATNFc/o COSSA JPL ATNF		Monitoring of Five NGC4258-like Water Megamasers Discovered with the GBT and the DSN [P.T. Kondratko]	K	S	28	9.50
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]	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]	S	GO	11 24	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 Naval Research Lab 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	17.75
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	20 21 27 28 29 30	22.00
GBT05A-036	Ransom, S. Hessels, J. W. T. Kaspi, V.	NRAO McGill University McGill University	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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	Roberts, M.	McGill University (Physics Dept)						
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	26	7.00
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	22	4.00
GBT05B-008	Hollis, J. M. Jewell, P. R. Lovas, F. J. Shevlin, Phil McKee, Mike Remijan, A.	NASA/GSFC NRAO-GB National Institute of Standards and Technology National Science Foundation Auburn University NASA/Goddard	P. R. Jewell	Searching for the Missing Link in Sugar Polymerization [J. M. Hollis]	CK	SD	28	7.00
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 22	49.50
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. Breton, 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	25 30	11.50
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.	Arecibo Observatory NRAO McGill University	S. Ransom	A GBT S-band Globular Cluster Survey: Phase A [P. Freire]	S	G	12 15 16	18.00

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	Stairs, I. Begin, S.	University of British Columbia University of British Columbia						
GBT05B-031	Riechers, D. Walter, F. Carilli, C. L. Knudsen, K.K. Bertoldi, F. Beelen, A. Menten, K. M. Yun, M. Scoville, N. Z.	Max-Planck-Institute for Astronomy, Heidelberg MPIfA NRAO Max-Planck-Institute for Astronomy, Heidelberg Radioastronomical Institute, University of Bonn IAP-Paris Max-Planck-Institut Fur Radioa University of Massachusetts Caltech	D.S. Balse	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 21 22 25	92.75
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	29	1.50
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 24	48.50
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.	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)	S. Ransom	Timing and General Relativity in the Double Pulsar System [M. Kramer]	L8	BOG	26	5.00

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	Ferdman, R.	University of British Columbia						
GBT05B-044	McLaughlin, M. Possenti, A. Stairs, I. Kramer, M. Lyne, A. G. Lyutikov, M. Burgay, M. Manchester, D.R. N. Freire, P. Camilo, F.	University of Manchester Osservatorio di Cagliari University of British Columbia NRAL NRAL McGill University Osservatorio di Bologna Australia Telescope Arecibo Observatory Columbia Astrophysics Laboratory	S. Ransom	Studying the Interactions in the J0737-3039 System [M. McLaughlin]	3	BYG	12	5.00
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 23	7.00
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	13.25

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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 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 22 23 28 29	31.00
Comm	Balser			HF Comm	QB	DSP	9 10 11 12 13 14 24 25	35.00
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 23 27 30	80.00
Setup	NRAO staff			Observation setup	CK3S8LXU	VSGOCBDPY	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	47.00
Tests	Clark			Astrid Tests	L	DSP	4	3.50
Tests	Ghigo			Astrid tests	K	DS	15	3.00
Tests	NRAO staff			M&C Integ	LSXCU	DSP	20 23 29	12.00
Tests	NRAO staff			M&C Reg Tests	LSXCU	DSP	26 27	14.00
Tests	NRAO staff			PTCS	X	DSP	17 18	4.00
Tests	Ghigo			PhaseCal tests	CSX	DSP	29	2.00
Tests	Norrod			Q band tests	Q	DSP	29	3.00
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
Tests	Ghigo			VLBA Ph Cal	CSX	DSP	20	1.00

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Total Hrs	Astronomy	490.50						
	Setup	47.00						
	Commissioning	35.00						
	Calibration	15.50						
	Maintenance	83.00						
	Un-assigned							
	Tests	49.00						

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