

# GBT Observing Schedule for September 2007

Proposal	Investigators	Institute	NRAO Friend	Title	Bands	Back Ends	Days *	Hrs *
GBT06B-037	Weisberg, J. M. Johnston, S. Koribalski, B. Minter, A. Stanimirovic, S.	Carleton College Australia Telescope National Facility (ATNF) Australia Telescope National Facility NRAO - Green Bank Wisconsin	Toney Minter	Probing the Small-Scale Structure of Molecular Gas with Pulsar B1641-45 [J. M. Weisberg]	L	M	[1 2 3 5 7 8 9 10 11 12]	[15.00]
GBT07A-060	Deneva, J. Cordes, J. M. Lazio, T.J.W.	Cornell University NAIC and Cornell University Naval Research Laboratory	Scott Ransom	S-band Drift Search for Transients and Pulsars in the Inner Galaxy [J. Deneva]	S	G	[1 2 3 4 5 6 13 14 15 16 17 18 19 20 21 22 23 24 26 28]	[113.00]
GBT07A-072	Wei, L. Kannappan, S. Baker, A.C. Vogel, S. N.	Maryland, University of Univ. of Texas University of Maryland University of Maryland	Frank Ghigo	Gas Reservoirs in Blue-Sequence Early-Type Galaxies [L. Wei]	L	S	[22 23 24 25 26 27 28]	[36.50]
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	Toney Minter	Detecting nHz Gravitational Radiation using a Pulsar Timing Array [P. Demorest]	L8	RY	30 [29]	7.50 [7.50]
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	[22 23 24 25 26 27 28]	[7.00]
GBT07B-005	Montgomery, S. Burrows, D. Rombach, C. Birney, C.	Clarion University Of Pennsylvania Pennsylvania State University Clarion University of Pennsylvania Clarion University of Pennsylvania	Frank Ghigo	Location and Kinematics of Two Diffuse Clouds at High Galactic Latitude [S. Montgomery]	L	S	[19 21 22 23 24 26 28]	[36.00]
GBT07B-006	Camilo, F. Ransom, S. Halpern, J. P. Reynolds, J. E. Helfand, D. J.	Columbia Astrophysics Laboratory NRAO - CV Columbia University Australia Telescope National Facility Columbia University	Toney Minter	Studying the magnetar XTE J1810-197 [F. Camilo]	S	B	30 [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]	0.75 [22.00]
GBT07B-007	Kanekar, N. Ellison, S.E. Prochaska, J.	NRAO-AOC University of Victoria University of California	D.J. Pisano	A search for 21cm absorption in strong MgII absorbers in the redshift desert [N. Kanekar]	8	P	[14 15 16 17 25 27]	[34.00]
GBT07B-008	Kanekar, N. Ellison, S.E. York, B	NRAO-AOC University of Victoria University of Victoria	Frank Ghigo	The nature of damped Lyman-alpha systems, as traced by their spin temperatures [N. Kanekar]	34	P	[1 2 3 4 5 6 7 8 9 10 11 12]	[88.75]

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

\* [ ] indicates secondary project; ( ) indicates primary project

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GBT07B-011	Lorimer, D. Ransom, S. McLaughlin, M. Kondratiev, V. Stairs, I.	West Virginia University NRAO - CV WVU West Virginia University University of British Columbia	Toney Minter	A 350-MHz GBT search of the globular cluster M30 [D. Lorimer]	3	S	[2 3]	[8.00]
GBT07B-014	Burgay, M. Bandiera, R. Bocchino, F. Possenti, A.	Istituto Nazionale di Astrofisica Istituto Nazionale di Astrofisica Palermo, University of Istituto Nazionale di Astrofisica	Scott Ransom	A deep pulsar search in the candidate Pulsar Wind Nebula in DA 530 [M. Burgay]	S	G	[18 19 20 21]	[20.00]
GBT07B-017	Kondratiev, V. Lorimer, D. McLaughlin, M. Ransom, S.	West Virginia University West Virginia University WVU NRAO - CV	Toney Minter	Probing the limits of the giant pulse population [V. Kondratiev]	3	G	[1 2 3]	[21.00]
Maint	NRAO staff			Install 800 MHz	8	DSP	17	4.00
Maint	NRAO staff			Maintenance	48		5 13 [4 6 18 19 20 21 25 27]	17.00 [68.00]
Not Sched	NRAO staff						(29 30)	(39.75)
Tests	NRAO staff			M&CReg tests	LCXU	DSP	[25 26 27 28 29]	[30.50]
Tests	NRAO staff			RCO*4 450 MHz	4	DSP	5	2.00
Tests	NRAO staff			RCO*8 800 MHz	8	DSP	13 17	4.00
Tests	NRAO staff			Un-assigned Tests			[1 2 3]	[10.50]
Tests	NRAO staff			Track Checkout	LSKQ	DSP	(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)	(645.00)
Total Hrs	Astronomy Maintenance Un-assigned Tests	8.25 21.00 39.75 651.00	408.75 68.00					41.00

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