

# GBT Observing Schedule for April 2010

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	Frank Ghigo	RIPL: Radio Interferometric PLANet Search [G. C. Bower]	X	5	(4 7 11 12 17 18 19 20 25 28)	(68.00)
BF100	Forbrich, J. Berger, E. McLean, Margaret	CfA CfA CfA		Confirmation and astrometric monitoring of the first VLBI-detected brown dwarf [J. Forbrich]	X	5	28 29	8.50
BN041	Nakai, N. Yamauchi, A. Ishihara, Y. Diamond, P. J.	Tsukuba University Nobeyama Radio Observatory Nobeyama Radio Observatory MERLIN/VLBI National Facility		Determination of the distance to an AGN IC2560 by observing a water maser disk [N. Nakai]	K	5	8 9	7.50
GBT09B-006	Camilo, F. Ransom, S. Chatterjee, S. Ray, P.S. Lorimer, D.	Columbia NRAO-CV Center for Astrophysics NRL WVU	Scott Ransom	Three newly discovered pulsars [F. Camilo]	S	U	10	1.25
GBT09B-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. Perera, B.	Jodrell Bank UBC WVU Obs. de Paris Columbia Manchester U ATNF Istituto di Astrofisica Istituto di Astrofisica Istituto di Astrofisica MPIfR	Scott Ransom	Timing and General Relativity in the Double Pulsar System [M. Kramer]	8	YB	15	5.50
GBT09B-031	Lynch, R. Ransom, S. Lorimer, D. McLaughlin, M. Stairs, I. Kaspi, V. Cordes, J. M. Champion, D. Archibald, A. Kondratiev, V. Boyles, J. Hessels, J. W. T. McPhee, C. Roberts, M. Kasian, L. van Leeuwen, J. Deneva, J.	UVA NRAO-CV WVU WVU UBC McGill University NAIC and Cornell ATNF  West Virginia University WVU ASTRON  Eureka Scientific University of British Columbia University of British Columbia Cornell	Scott Ransom	Timing the New GBT 350 MHz Drift Scan Pulsars [R. Lynch]	8	U	17 18	4.50

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

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

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

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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GBT09B-041	Demorest, P. Nice, D. Stairs, I. Ransom, S. Ferdman, R. Lommen, A. Backer, D. C. Gonzalez, M.	NRAO-CV Bryn Mawr College UBC NRAO-CV Obs. de Paris Franklin and Marshall College UC Berkeley	Scott Ransom	Detecting nHz Gravitational Radiation using a Pulsar Timing Array [P. Demorest]	L8	YU	18 19 20 21	17.00
GBT09C-014	Camilo, F. Ransom, S. Gaensler, B.M. Lorimer, D.	Columbia NRAO-CV CFA WVU	Scott Ransom	The energetic pulsar J1747-2809 in the supernova remnant G0.9+0.1 [F. Camilo]	S	U	24	1.75
GBT09C-051	Braatz, J. A. Condon, J. J. Reid, M. J. Henkel, C. Lo, F.K. Y. Kuo, C-Y. Impellizzeri, C.M.V. Hao, L.	NRAO - CV NRAO-CV Center for Astrophysics MPIfR NRAO-CV UVA NRAO Cornell Dept. of Astronomy	Jim Braatz	The Megamaser Cosmology Project: Year 3 [J. A. Braatz]	K	S	3 4	10.00
GBT09C-086	Arzoumanian, Z. Ransom, S.	NASA/GSFC NRAO-CV	Scott Ransom	Followup of the GBT's discovery of a 24 ms pulsar in SNR G76.9+1.0 [Z. Arzoumanian]	S	U	10	4.00
GBT10A-022	Miller, J. McLaughlin, M. Boyles, J. Keane, E. Lyne, A. G. Kramer, M. Lorimer, D.	WVU WVU WVU Manchester U Manchester U Jodrell Bank WVU	Scott Ransom	Continued Timing of Rotating Radio Transients [J. Miller]	8	U	23	5.00
GBT10A-049	Rosen, R. McLaughlin, M. Lorimer, D. Heatherly, S.	NRAO-GB WVU WVU NRAO-GB	Rachel Rosen	Confirmation and Follow-up Observations of New Pulsars Discovered by the PSC [R. Rosen]	38	U	11 26	4.00
GBT10A-061	Ransom, S. Ray, P.S. Camilo, F. Roberts, M.	NRAO-CV NRL Columbia Eureka Scientific		Timing of a 3.1ms pulsar discovered in a Fermi LAT unidentified gamma-ray source [S. Ransom]	L	U	9	1.00
GLST021284	Camilo, F. Ransom, S. Roberts, M. McLaughlin, M.	Columbia NRAO-CV Eureka Scientific WVU	Scott Ransom	GREEN BANK TELESCOPE TIMING OF KEY FERMI PULSARS [F. Camilo]	S8	UG	2 15 16 30	13.00
Maint	NRAO staff			Maintenance			6 8 13 20 22 27	51.00

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Tests	Ghigo			Gaincal	Q	S	2 3	7.00
Tests	Hunter			HOLO	B	B	18	2.25
Tests	Q			OOF	Q	S	21	9.00
Tests	Hunter			PTCS Pntng	B	B	1 7 8	11.83
Tests	Ghigo			TcalScal	Q	S	1	3.00
Total Hrs	Astronomy	151.00						
	Maintenance	51.00						
	Un-assigned							
	Tests	33.08						

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