

# GBT Observing Schedule for April 2007

Proposal	Investigators	Institute	NRAO Friend	Title	Bands	Back Ends	Days *	Hrs *
BB231	Braatz, J. A. Greenhill, L. J. Condon, J. J. Reid, M. J. Henkel, C. Lo, F.K. Y.	NRAO - CV CfA NRAO-CV Center for Astrophysics Max-Planck-Institut fur Radioa NRAO-CV		The Megamaser Cosmology Project: Measuring Distances to NGC6323 and Mrk 1419 [J. A. Braatz]	K	V	6 7 8 9 28 29	50.00
BB241	Bietenholz, M. F. Bartel, N. Ransom, S. Kondratiev, V.	York University York University NRAO - CV West Virginia University		Proper motion of 3C 58's pulsar [M. F. Bietenholz]	L	5	25	12.50
BB247	Busch, M.W. Benner, L.A.M. Ostro, S. Black, G. Kulkarni, S.R.	Jet Propulsion Laboratory JPL UVA Caltech		Radar Interferometric Imaging of Near-Earth Asteroid VV2 [M.W. Busch]	X	5	1	1.75
GBT02A-054	Stairs, I. Lyne, A. G. Kramer, M. Athanasiadis, D.	University of British Columbia Manchester, University of Jodrell Bank Nuffield Radio Astronomy Laboratories	Scott Ransom	High-resolution Studies of a Precessing Pulsar [I. Stairs]	L	BY	12	6.00
GBT03C-030	Chengalur, J. Kanekar, N.	NCRA (TIFR) NRAO-AOC	Glen Langston	Constraining the variation of fundamental constants using 18cm OH lines [J. Chengalur]	8	S	28	3.00
GBT05B-011	Minter, A.	NRAO - Green Bank	Toney 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	28	2.50
GBT06A-033	Bond, H. Claussen, M.J. Healy, K. Starrfield, S.	STScI NRAO-SOC Arizona State University Arizona State	Ron Maddalena	Search for SiO Masers in Eruptive Variable Stars Similar to V838 Monocerotis [M.J. Claussen]	Q	S	3 6	6.50
GBT06A-054	Demorest, P. Backer, D. C. Ferdman, R. Stairs, I. Nice, D. Jacoby, B.A. Bailes, M. Ord, S.	UC Berkeley (Physics) University of California, Berkeley University of British Columbia University of British Columbia Princeton University Naval Research Lab Swinburne University of Technology Swinburne University of Technology	Scott Ransom	Long-term Precision Timing of Millisecond Pulsars [P. Demorest]	L8	YR	27 28 29 30	15.50
GBT06B-015	Morgan, L. Urquhart, J. Thompson, M.A.	National Radio Astronomy Observatory (NRAO) University of Leeds The University Of Hertfordshire	Larry Morgan	NH3 and CCS Mapping of Triggered Star Formation Regions [L. Morgan]	K	S	21 29	11.00

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GBT06B-018	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.	Jodrell Bank University of British Columbia WVU University of British Columbia Columbia Astrophysics Laboratory Manchester, University of Australia Telescope Istituto Nazionale di Astrofisica Osservatorio di Cagliari Istituto Nazionale di Astrofisica Arecibo Observatory	Scott Ransom	Timing and General Relativity in the Double Pulsar System [M. Kramer]	8L	GBY	9 11 12 14 23 25	41.25
GBT06B-028	Stairs, I. Thorsett, S. Arzoumanian, Z.	University of British Columbia University of California, Santa Cruz NASA/GSFC	Scott Ransom	Timing the Planet Pulsar in M4 [I. Stairs]	L	BY	11 12	2.25
GBT06B-032	Begin, S. Freire, P. Ransom, S. Stairs, I. Hessels, J. W. T. Kaspi, V. Camilo, F.	University of British Columbia Arecibo Observatory NRAO - CV University of British Columbia Universiteit van Amsterdam McGill University Columbia Astrophysics Laboratory	Scott Ransom	Timing of the Binary and Millisecond Pulsars in M28 [S. Begin]	S	G	11	3.50
GBT06B-033	Hessels, J. W. T. Ransom, S. Kaspi, V. Champion, David Roberts, M.	Universiteit van Amsterdam NRAO - CV McGill University McGill University Eureka Scientific, Inc.	Scott Ransom	Completing a 350-MHz Survey of the Galactic Plane for Pulsars and Transients [J. W. T. Hessels]	8	G	11	1.25
GBT06B-037	Weisberg, J. M. Johnston, S. Koribalski, B. Minter, A. Stanimirovic, S.	Carleton College Australia Telescope National Facility (ATNF) Australia Telescope National F NRAO - Green Bank Wisconsin	Toney Minter	Probing the Small-Scale Structure of Molecular Gas with Pulsar B1641-45 [J. M. Weisberg]	L	M	6	4.00
GBT06B-042	Kanekar, N. Ellison, S.E. York, B	NRAO-AOC University of Victoria University of Victoria	Larry Morgan	The nature of damped Lyman-alpha systems, as traced by their spin temperature. [N. Kanekar]	8	P	15 17	4.25
GBT06B-044	Ferdman, R. Stairs, I. Backer, D. C. Burgay, M. Camilo, F. D'Amico, N. Demorest, P. Faulkner, A. Hobbs, G.	University of British Columbia University of British Columbia University of California, Berkeley Istituto Nazionale di Astrofisica Columbia Astrophysics Laboratory Osservatorio di Cagliari UC Berkeley (Physics) University of Manchester Australia Telescope National	Scott Ransom	Timing Binary and Millisecond Pulsars from the Parkes Multibeam Survey [R. Ferdman]	L	YGB	16 17 18 19	14.50

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	Kramer, M. Lorimer, D. Lyne, A. G. Manchester, D.R. N. McLaughlin, M. Nice, D. Possenti, A.	Facility (ATNF) Jodrell Bank West Virginia University Manchester, University of Australia Telescope WVU Princeton University Istituto Nazionale di Astrofisica						
GBT06C-003	Remijan, A. Hollis, J. M. Lovas, F. J. Jewell, P. R.	National Radio Astronomy Observatory NASA/GSFC Nat'l Instit. of Standards and Technology NRAO-CV	Larry Morgan	Additional Transitions of Interstellar Methyl Isocyanate (CH <sub>3</sub> NCO) [A. Remijan]	BUK	S	10 13 18 22 26 30	16.50
GBT06C-045	Champion, David Kaspi, V. Hessels, J. W. T. Woods, P. Thompson, C.	McGill University McGill University Universiteit van Amsterdam Space Science Research Center Canadian Institute for Theoretical Astrophysics	Scott Ransom	A Search for Radio Emission from Magnetars after Outburst [David Champion]	S	G	1 14 21	4.50
GBT06C-048	Kanekar, N. Ellison, S.E. Prochaska, J. York, B	NRAO-AOC University of Victoria University of California University of Victoria	Toney Minter	HI 21cm absorption in strong MgII and Cl absorbers in the redshift desert [N. Kanekar]	8	P	17	4.50
GBT06C-051	Greenhill, L. J. Braatz, J. A. Henkel, C. Kuiper, T. B. H. Jauncey, D. L. Lovell, J.E.J. Madejski, G. M. Moran, J. M. Peck, A.B. Wilson, A. S.	CfA NRAO - CV Max-Planck-Institut fur Radioa JPL ATNF ATNFc/o COSSA Stanford SLAC CfA Center for Astrophysics University of Maryland	Jim Braatz	Monitoring 2 NGC4258-like Masers: Measurement of Distances / Constraint of LCDM [L. J. Greenhill]	K	S	2 3 10 17 21	15.75
GBT06C-056	Thaddeus, P. Gupta, H. Gottlieb, C. A. Bruenken, S.	Center for Astrophysics Harvard-Smithsonian Center for Astrophysics Harvard University Harvard-Smithsonian Center for Astrophysics	Ron Maddalena	Search for the Five-Membered Aromatic Heterocyclic Ring Pyrrole (c-C <sub>4</sub> H <sub>5</sub> N) [H. Gupta]	UKX	S	7 9 11 14	21.50
GBT06C-105	Wagg, J. Kanekar, N. Carilli, C. L. Wang, R. Owen, F. N.	NRAO - Soc NRAO-AOC NRAO - Socorro NRAO NRAO-SOC	Ron Maddalena	A confirmation of strong CO J=1-0 emission at z=5.2 [J. Wagg]	K	S	10 18 19 29	10.25

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GBT07A-015	Mangum, J. G. Menten, K. M. Henkel, C. Darling, J.	NRAO Charlottesville Max-Planck-Institut Fur Radioa Max-Planck-Institut fur Radioa Colorado at Boulder, University of	Frank Ghigo	Formaldehyde Densitometry of External Galaxies [J. G. Mangum]	U	S	22 23	5.25
GBT07A-016	Donovan, J. van Gorkom, J.H. Hibbard, J. E. van Dokkum, P.	Columbia University Columbia University NRAO-CV Yale University	Frank Ghigo	How "Dry" Are Dry Mergers? [J. Donovan]	L	S	14 15 16 17 18 19 20 23 24 27	40.00
GBT07A-021	Wolfe, A. M. Jorgenson, R. Heiles, C. E. Robishaw, T.	University of California-San D University of California at San Diego University of California University of California at Berkeley	Toney Minter	Detection of B Fields in Damped Lyman-alpha Sytems [A. M. Wolfe]	8	P	1 2 3 4 5 6 8 12 13	69.75
GBT07A-023	Welch, G.A. Sage, L. J.	St. Mary's University University of Maryland	Toney Minter	The First Survey of HI in a Volume-limited Sample of Elliptical Galaxies [G.A. Welch]	L	S	23 24 25 26 27	30.00
GBT07A-031	Braatz, J. A. Condon, J. J. Greenhill, L. J. Henkel, C. Reid, M. J. Lo, F.K. Y.	NRAO - CV NRAO-CV CfA Max-Planck-Institut fur Radioa Center for Astrophysics NRAO-CV	Jim Braatz	The Megamaser Cosmology Project: Accelerations in Maser Disks [J. A. Braatz]	K	S	13 14	7.50
GBT07A-034	Braatz, J. A. Condon, J. J. Greenhill, L. J. Henkel, C. Reid, M. J. Lo, F.K. Y. Hao, Lei	NRAO - CV NRAO-CV CfA Max-Planck-Institut fur Radioa Center for Astrophysics NRAO-CV Cornell Dept. of Astronomy	Jim Braatz	The Megamaser Cosmology Project: A Survey for H2O Masers in SDSS and 2MRS AGNs [J. A. Braatz]	K	S	3 6 11 22	17.00
GBT07A-037	O'Neil, K. Davies, J. Auld, R. Cortese, L.	NRAO - GB Cardiff University University of Cardiff Cardiff, University of	Karen O'Neil	Further Observations of HI in Galaxies and Environments [K. O'Neil]	L	S	18 23 26 27	14.50
GBT07A-038	Greaves, J.		Larry Morgan	Detecting grain growth around T Tauri stars [J. Greaves]	B	K	21 26	9.50
GBT07A-040	Weintraub, L. Mason, B.S. Readhead, A. C. S. Pearson, T. J.	California Institute of Technology NRAO Green Bank Facility Caltech Caltech	Brian Mason	Detecting the Origin of Arcminute Scale CMB Anisotropy [L. Weintraub]	B	K	2 3	6.75
GBT07A-041	Crapsi, A. Tafalla, M. Caselli, P. Bourke, T. Myers, P. C.	Leiden Observatory Observatorio Astronomica Nacional, Spain Harvard-Smithsonian Center for Astrophysics	Jim Braatz	The temperature structure in the Vello prototype L1014 [A. Crapsi]	K	S	20 26	11.00

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GBT07A-042	Tarchi, A. Braatz, J. A. Henkel, C. Brunthaler, A. Menten, K. M.	Istituto Nazionale di Astrofisica NRAO - CV Max-Planck-Institut fur Radioa MPIfR Max-Planck-Institut Fur Radioa	Jim Braatz	H2O versus continuum in the nucleus of the megamaser galaxy 3C403 [A. Tarchi]	K	S	14	1.00
GBT07A-058	Greaves, J. Jardine, M. Cameron, A. Langston, G. I. Backer, D. C.	Univ. St. Andrews University of St Andrews NRAO-GB University of California, Berkeley	Glen Langston	Cyclotron emission associated with exo-planets [J. Greaves]	3	M	20 21 22 23 27	20.25
GBT07A-061	Osten, R.A. Hawley, S.L. Mathioudakis, M. Allred, J.	Maryland, University of University of Washington Queens University Belfast Drexel University	Scott Ransom	Coordinated radio and optical observations of flare stars [R.A. Osten]	S	G	1 2 4 5	12.50
GBT07A-074	Hewitt, J. Yusef-Zadeh, F.	Northwestern University Northwestern University	Ron Maddalena	Follow-Up of Radio Recomb Lines Associated with Supernova Remnants [J. Hewitt]	C	S	3	3.00
GBT07A-080	McLaughlin, M. Lorimer, D. Lyne, A. G. Manchester, D.R. N. Stairs, I. Kramer, M. Camilo, F. Possenti, A. Burgay, M. Cordes, J. M. Hill, M.	WVU West Virginia University Manchester, University of Australia Telescope University of British Columbia Jodrell Bank Columbia Astrophysics Laboratory Istituto Nazionale di Astrofisica Istituto Nazionale di Astrofisica NAIC and Cornell University West Virginia University	Scott Ransom	Continued Radio Timing Observations of RRAT Sources [M. McLaughlin]	38	O	23 27	2.50
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	11 13 15	3.75
GBT07A-094	Ransom, S. Hessels, J. W. T. Stairs, I. Freire, P. Camilo, F. Kaspi, V.	NRAO - CV Universiteit van Amsterdam University of British Columbia Arecibo Observatory Columbia Astrophysics Laboratory McGill University	Scott Ransom	Continued Timing of the 33 Millisecond and Binary Pulsars in Terzan 5 [S. Ransom]	S	G	4	8.00
GBT07A-098	Camilo, F. Ransom, S. Halpern, J. P. Reynolds, J. E.	Columbia Astrophysics Laboratory NRAO - CV Columbia University Australia Telescope National F	Scott Ransom	Studying the magnetar XTE J1810-197 [F. Camilo]	S8CX	B	1 2 3 5 6 10 14 15 16 17 18 21 22 24 26 27 28	22.75

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	Helfand, D. J.	Columbia University						
GBT07A-100	Thaddeus, P. Gupta, H. Gottlieb, C. A. McCarthy, M. Bruenken, S.	Center for Astrophysics Harvard-Smithsonian Center for Astrophysics Harvard University Harvard-Smithsonian Center for Astrophysics Harvard-Smithsonian Center for Astrophysics	Frank Ghigo	Search for the anions C4H- and C8H- in TMC-1 and additional observations of C6H- [C. A. Gottlieb]	UX	S	6 8 10 13 15 16 18 19 20 22 28	84.00
GBT07A-104	Martin, P.G. Chou, R. Damjanov, I. Lockman, F. J. Miville-Deschenes, M.	University of Toronto Univ. Toronto Univ. Toronto NRAO-GB IAS Univ. Paris-Sud	Jay Lockman	The Spider's Web from Ursa Major to Polaris [P.G. Martin]	L	S	25	3.00
Comm	NRAO staff			Ka Comm	Ka	S	7	3.75
Shutdown	NRAO staff			Un-assigned Shutdown			30	6.50
Maint	NRAO staff			Install 340MHz	3		19	3.00
Maint	NRAO staff			Install 800MHz	8		27	4.00
Maint	NRAO staff			L band rpr	L		2	3.00
Maint	NRAO staff			Maintenance			5 12 13 17 24 30	48.50
Maint	NRAO staff			Tour			14	1.50
Tests	Ghigo Hunter			OOF Tests	B	DSP	19	1.00
Tests	Ghigo Hunter			OOF tests	B	DSP	20	6.00
Tests	Hunter Ghigo			Pointing	XU	DSP	10 24 25	11.75
Tests	NRAO staff			RCO*3 300MHz	3	DSP	19	3.75
Tests	NRAO staff			RCO*8 800MHz	8	DSP	27	1.00
Tests	NRAO staff			Spec Tests	X	S	3	1.50

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Total Hrs	Shutdown	6.50						
	Astronomy	624.75						
	Commissioning	3.75						
	Maintenance	60.00						
	Un-assigned							
	Tests	25.00						

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