

# GBT Observing Schedule for May 2008

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		R IPL: Radio Interferometric PLANet Search [G. C. Bower]	X	5	16 (24 26 27 28 29 30)	8.50 (34.00)
BB242	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 [L. J. Greenhill]	K	V	(20 21 22 23)	(25.00)
BB255	Brunthaler, A. Reid, M. J. Henkel, C. Menten, K. M. Bower, G. C. Falcke, H.	MPIfR Center for Astrophysics Max-Planck-Institut fur Radioa Max-Planck-Institut Fur Radioa UC Berkeley ASTRON		Measuring the orbits of M81 and M82 [A. Brunthaler]	K	5	3 4	12.50
BD120	Doeleman, S.S. Boyce, E. Rogers, A. E. E. Lonsdale, C. J. Winn, J. Myers, S.T.	Haystack Observatory JBO Haystack Observatory Haystack Observatory CfA NRAO -SOC		A Search for Central Gravitational Lens Images using Digital VLBI Backends [S.S. Doeleman]	C	V	17 18	23.25
BW089	Wrobel, J. Ho, L. C.	NRAO-SOC Carnegie Observatories		Radio Emission from the Intermediate-Mass Black Hole in NGC4395	L	5	4 5	8.50
GBT05A-029	VandenBout, P. A. Solomon, P. Maddalena, R.	NRAO-CV SUNY at Stony Brook NRAO-Green Bank	Ron Maddalena	Search for Cold Molecular Gas at High Redshift [P. A. VandenBout]	B	SD	5 (16 19 21 23)	6.50 (13.50)
GBT06A-026	Kanekar, N. Ellison, S.E. York, B	NRAO-AOC University of Victoria University of Victoria	Toney Minter	A search for 21cm absorption towards MgII absorbers in the redshift desert [N. Kanekar]	8	P	19	2.00
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	5	1.50
GBT06C-013	Curran, S. Tzanavaris, P. Murphy, M. T. Webb, J. Bignell, R.C.	University of New South Wales National Observatory of Athens (Institute of Astronomy and Astrophysic Cambridge, University of University of New South Wales NRAO - GB	Carl Bignell	The Nature of High Redshift Intervening Absorption Systems [S. Curran]	4	S	3 4	10.50
GBT06C-048	Kanekar, N. Ellison, S.E.	NRAO-AOC University of Victoria	Toney Minter	HI 21cm absorption in strong MgII and Cl absorbers in the redshift desert [N. Kanekar]	8	P	17	2.00

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	Prochaska, J. York, B	University of California University of Victoria						
GBT07A-051	Hollis, J. M. Remijan, A. Jewell, P. R. Lovas, F. J.	NASA/GSFC National Radio Astronomy Observatory NRAO-CV Nat'l Instit. of Standards and Technology	Larry Morgan	A GBT Legacy Survey of Prebiotic Molecules Toward SgrB2(N-LMH) and TMC-1 [J. M. Hollis]	3468ALSCXUK BQ	S	(17 19 24 26)	(19.50)
GBT07A-066	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 [J. A. Braatz]	K	S	6 (10 12 27 28 29 30)	6.00 (53.00)
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 Bryn Mawr College Franklin and Marshall College NRAO - CV Swinburne University of Technology CNRS-Orleans	Scott Ransom	Detecting nHz Gravitational Radiation using a Pulsar Timing Array [P. Demorest]	SL	RY	[13 14 15 16 27 28 29 30]	[45.00]
GBT07A-101	Dickinson, Clive Casassus, S. Cleary, Kieran Paladini, R. Weintraub, L. Mason, B.S. Lawrence, C. R.	Jet Propulsion Laboratory Chile, Universidad de Jet Propulsion Laboratory California Institute of Technology California Institute of Technology NRAO Green Bank Facility Jet Propulsion Laboratory	Brian Mason	Ka-band CCB high-resolution mapping of spinning dust [Clive Dickinson]	B	K	(21 23)	(14.00)
GBT07B-020	Stairs, I. Thorsett, S. Arzoumanian, Z.	University of British Columbia University of California, Santa Cruz NASA/GSFC	Scott Ransom	The Pulsar Triple System in M4 [I. Stairs]	L	B	8 9	1.25
GBT07B-029	Kramer, M. Stairs, I. McLaughlin, M. Ferdman, R. Camilo, F. Lyne, A. G. Manchester, D.R. N. Possenti, A. D'Amico, N.	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	Scott Ransom	Timing and General Relativity in the Double Pulsar System [M. Kramer]	8L	YBG	9 10 11 19 31 [13 15]	35.25 [8.50]

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	Burgay, M. Freire, P.	Arecibo Observatory						
GBT07B-031	Majewski, S.R. Claussen, M.J. Goss, W. M.	University of Virginia NRAO-SOC NRAO-SOC	Larry Morgan	Proper Motions of the Sagittarius Tidal Stream and the Shape of the Halo [M.J. Claussen]	K	S	1 2 5 6 7 (10 11 12 13 15)	21.00 (26.75)
GBT07B-034	Ferdman, R. Stairs, I. Kramer, M. McLaughlin, M. Faulkner, A. Backer, D. C. Demorest, P. Nice, D. Burgay, M. Camilo, F. D'Amico, N. Hobbs, G. Lorimer, D. Lyne, A. G. Manchester, D.R. N. Possenti, A.	University of British Columbia University of British Columbia Jodrell Bank WVU University of Manchester University of California, Berkeley UC Berkeley (Physics) Bryn Mawr College Istituto Nazionale di Astrofisica Columbia Astrophysics Laboratory Osservatorio di Cagliari Australia Telescope National Facility (ATNF) West Virginia University Manchester, University of Australia Telescope Istituto Nazionale di Astrofisica	Scott Ransom	Timing Binary and Millisecond Pulsars from the Parkes Multibeam Survey [R. Ferdman]	L	Y	9	3.50
GBT07B-037	Yusef-Zadeh, F. Braatz, J. A.	Northwestern University NRAO - CV	Jim Braatz	A Search for High Velocity Masers in the Galactic Center Molecular Ring [J. A. Braatz]	KQ	S	(11)	(3.75)
GBT07C-005	Mangum, J. G. Darling, J. Menten, K. M. Henkel, C.	NRAO Charlottesville Colorado at Boulder, University of Max-Planck-Institut Fur Radioa Max-Planck-Institut fur Radioa	Ron Maddalena	Formaldehyde Densitometry of IR-Bright Galaxies [J. G. Mangum]	C	S	2	6.00
GBT07C-013	Kanekar, N. Chengalur, J.	NRAO-AOC NCRA (TIFR)	Frank Ghigo	Conjugate OH lines in the z ~ 0.886 gravitational lens towards 1830-21 [N. Kanekar]	S	S	[21 23 24 25 26]	[25.25]
GBT07C-014	Stassun, K. Bergin, E. A. Alzate, N Ragan, S.	Michigan at Ann Arbor, University of	Larry Morgan	Angular Momentum and Chemical Evolution of Pre-Stellar Cores in Ophiuchus [E. A. Bergin]	K	S	(12 13 14 15 16 17 18 19 20 21 22 24 25 31)	(52.00)
GBT07C-030	Bregman, J. N. Irwin, M.J. Ji, J.	University of Michigan Institute of Astronomy	D.J. Pisano	The Detection of Redshifted Hot Baryons with the NVII Line [J. N. Bregman]	K	S	(12 14)	(10.00)
GBT07C-033	Hessels, J. W. T. Ransom, S. Weltevrede, P. Kaspi, V. Stappers, B. Champion, D. Roberts, M.	Universiteit van Amsterdam NRAO - CV McGill University Netherlands Foundation for Research in Astronomy McGill University	Scott Ransom	Follow-up Studies of Recent GBT Pulsar Discoveries [J. W. T. Hessels]	8	G	18	1.25

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		Eureka Scientific, Inc.						
GBT07C-056	Darling, J. Zeiger, B. Wiklind, T.	Colorado at Boulder, University of University of Colorado Space Telescope Science Institute	Ron Maddalena	Formaldehyde in the Gravitational Lens PKS 1830-211 [J. Darling]	Q	S	6	2.50
GBT07C-060	Camilo, F. Ransom, S. Roberts, M. McLaughlin, M. Arzoumanian, Z. Freire, P. Lorimer, D. Ray, P.S. Romani, R. W. Halpern, J. P.	Columbia Astrophysics Laboratory NRAO - CV Eureka Scientific, Inc. WVU NASA/GSFC Arecibo Observatory West Virginia University Naval Research Lab Stanford University Columbia University	Scott Ransom	GLAST timing at GBT: six key radio-faint pulsars [F. Camilo]	S8	BG	[13 14 15 16 28 30]	[8.00]
GBT07C-068	Lovell, A. Howell, E.	Agnes Scott College Arecibo Observatory	Toney Minter	OH Observations of Short- and Long-Period Comets [A. Lovell]	L	P	25 [24 26]	9.50 [19.00]
GBT07C-079	Crapsi, A. Tafalla, M.	Leiden Observatory Observatorio Astronomica Nacional, Spain	Toney Minter	Testing the thermodynamics of dense starless cores [A. Crapsi]	K	S	(16 17 18 19 20 21 22 23 24 26 27 28 29 30)	(68.00)
GBT07C-084	Kasian, L. Stairs, I. Kramer, M. Lorimer, D.	University of British Columbia University of British Columbia Jodrell Bank West Virginia University	Scott Ransom	GBT Timing of a Young Highly Relativistic Binary Pulsar [L. Kasian]	LS	G	[10 12]	[9.00]
GBT08A-002	Campbell, B. Carter, L. Campbell, D. B.	Smithsonian Institute Smithsonian Institution Cornell University	Frank Ghigo	Radar Studies of the Moon's Geologic History [B. Campbell]	S4	X	2 3 4 5	12.50
GBT08A-011	McLaughlin, M. Lorimer, D. Boyles, J. Cordes, J. M. Lyne, A. G. Kramer, M.	WVU West Virginia University West Virginia University NAIC and Cornell University Manchester, University of Jodrell Bank	Scott Ransom	Continued Radio Timing Observations of RRAT Sources [M. McLaughlin]	83	G	8 9	3.00
GBT08A-013	Pillai, T. Menten, K. M. Fish, V.L. Wyrowski, F.	MPIfR Max-Planck-Institut Fur Radioa NRAO New Mexico Facilities MPIfR	Jules Harnett	The magnetic field in High Mass InfraRed Dark Clouds probed by OH Observations [T. Pillai]	L	S	19 20 22 25 [18 19 20 21 22 23]	12.00 [20.75]
GBT08A-014	Lockman, F. J. Benjamin, R.A.	NRAO-GB University of Wisconsin-Whitewater	Jay Lockman	On the Trail of Smith's Cloud [F. J. Lockman]	L	S	7 8 9 [11 27 29 31]	13.50 [23.00]
GBT08A-015	Roberts, M. Arzoumanian, Z. Dougherty, S. M.	Eureka Scientific, Inc. NASA/GSFC DRAO	Scott Ransom	A High Frequency Search for Pulsations from LSI+61 303 [M. Roberts]	XSC	G	13	8.75

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	Grundstrom, E. McSwain, M.V. Ransom, S. Ray, P.S.	Georgia State University Yale University NRAO - CV Naval Research Lab						
GBT08A-017	Buyle, P. Ferrarese, L. Gentile, G. Ott, J.	Ghent, University of HIA New Mexico, University of National Radio Astronomy Observatory	Jim Braatz	Gas streams around the supermassive black hole in the Andromeda Galaxy [P. Buyle]	K	S	(10 11)	(12.50)
GBT08A-020	Hessels, J. W. T. Ransom, S. Kaspi, V. Roberts, M. Champion, D. Stappers, B.	Universiteit van Amsterdam NRAO - CV McGill University Eureka Scientific, Inc. McGill University Netherlands Foundation for Research in Astronomy	Scott Ransom	Completing the GBT350 Pulsar and Transient Survey of the North Galactic Plane [J. W. T. Hessels]	8	G	13 18	3.00
GBT08A-021	Mangum, J. G. Darling, J. Menten, K. M. Henkel, C.	NRAO Charlottesville Colorado at Boulder, University of Max-Planck-Institut Fur Radioa Max-Planck-Institut fur Radioa	Jim Braatz	Formaldehyde Densitometry of IR-Bright Galaxies [J. G. Mangum]	U	S	2 3 8 [12 14 16]	7.75 [8.75]
GBT08A-033	Blanton, M.R. Geha, M. West, A.A. Kazin, E.	New York University Carnegie Observatories California at Berkeley, University of	Jules Harnett	Testing the cold dark matter mass function with dwarf disk galaxies [M.R. Blanton]	L	S	2 [18 20 21 22 23 24 26 28 29 30]	5.00 [46.25]
GBT08A-039	Balser, D.S. Roshi, A.D. Bania, T. M. Rood, R. T.	NRAO - Green Bank Raman Research Institute Boston University University of Virginia	Dana Balser	Magnetic Fields in Photo-Dissociation Regions [D.S. Balser]	C	S	8	4.00
GBT08A-040	Thaddeus, P. Gottlieb, C. A. Bruenken, S. Gupta, H. McCarthy, M.	Center for Astrophysics Harvard University Harvard-Smithsonian Center for Astrophysics Harvard-Smithsonian Center for Astrophysics Harvard-Smithsonian Center for Astrophysics	Larry Morgan	A Search for the Negative Molecular Ions C4H-, C3N-, and CH2CN- [C. A. Gottlieb]	K	S	4	6.00
GBT08A-041	Darling, J. Zeiger, B.	Colorado at Boulder, University of University of Colorado	Ron Maddalena	Formaldehyde Absorption in the Gravitational Lens PKS 1830-211 [J. Darling]	S	S	[27 29]	[2.00]
GBT08A-043	Darling, J. Willett, K.	Colorado at Boulder, University of University of Colorado at Boulder	Toney Minter	An OH Megamaser Survey at z~1 [J. Darling]	8	S	7 8 9 10 11	8.50
GBT08A-047	Carilli, C. L. Datta, A. Greenhill, L. J.	NRAO - Socorro CfA	Toney Minter	First limits to the IGM during cosmic reionization using the H 2p-2s transition [C. L. Carilli]	L	S	1 2	9.25

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	Minter, A. Briggs, F. H. Maruca, B.	NRAO - Green Bank ANU						
GBT08A-048	Araya, E. Hofner, P. Hoffman, I.M. Goss, W. M. Linz, H. Kurtz, S.	New Mexico Tech New Mexico Tech St. Paul's School NRAO-SOC TLS Tautenburg/MPIA UNAM	D.J. Pisano	Correlated Variability of Astrophysical Masers I: monitoring of NGC7538 IRS1 [E. Araya]	CUK	S	5	2.00
GBT08A-054	Araya, E. Hofner, P. Goss, W. M. Linz, H. Kurtz, S. Loinard, L. Olmi, L. Sewilo, M.	New Mexico Tech New Mexico Tech NRAO-SOC TLS Tautenburg/MPIA UNAM Instituto de Astronomia (UNAM, Morelia, Mexico) CNR-Roma University of Wisconsin	D.J. Pisano	Correlated Variability of Astrophysical Masers II: Flares in IRAS18566+0408 [E. Araya]	CUK	S	5 (14 16)	2.00 (5.00)
GBT08A-062	Darling, J. Macdonald, E.	Colorado at Boulder, University of	Jules Harnett	A "Blind" HI Absorption Pilot Survey of the Local Universe [J. Darling]	L	S	6 7 11 31	18.25
GBT08A-068	Johnson, R. Wegner, G. Owen, D.	Dartmouth College	Jules Harnett	Detecting merger activity among galactic cluster pairs [R. Johnson]	L	D	[21 23]	[3.00]
GBT08A-072	Courtois, H. Tully, R.B. Fisher, R. Zavodny, M. Bonhomme, N.	Institute for Astronomy Institute for Astronomy NRAO Green Bank Facility	Rick Fisher	Bulk motions of filaments in the Local Universe [H. Courtois]	L	S	[10 12 13 15 17 19]	[17.25]
GBT08A-073	Kanekar, N. Marthi, V.	NRAO-AOC	Jules Harnett	A deep search for associated HI 21cm absorption in red quasars [N. Kanekar]	8L	S	[12 13 14 15 16 19]	[19.00]
GBT08A-076	Kanekar, N. Ellison, S.E. York, B	NRAO-AOC University of Victoria University of Victoria	Jules Harnett	The nature of damped Lyman-alpha systems, as traced by their spin temperatures [N. Kanekar]	4	P	3 25 26 [21 22 23 24 26]	7.00 [13.50]
GBT08A-077	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]	SXC	G	2 9 [14 16 24 26 28 30]	2.00 [10.50]
GBT08A-081	Bandura, K. Pen, U-L Peterson, J. Chang, T-C	Toronto, University of Carnegie Mellon University UoT/CITA	Toney Minter	HI Brightness Mapping of DEEP2 Fields [K. Bandura]	8	S	1	7.00
GBT08A-082	Yun, M.	University of Massachusetts	Jules Harnett	Probing Distribution and Physical Characteristics of HI	L	S	[17 18 20 22]	[11.50]

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GM064	Miller-Jones, J. Rupen, M. P. Mioduszewski, A. Dhawan, V. Gallo, E.	Oxford NRAO - SOC NRAO - SOC NRAO-SOC UC Santa Barbara		Exploring the production of jets in a quiescent black hole X-ray binary [J. Miller-Jones]	K	5	31	0.50
Calibratio	NRAO staff			SCAL			(12 14)	(4.00)
Maint	NRAO staff			Install 800MHz	8		6	4.00
Maint	NRAO staff			Install PF2	A		(27)	(5.75)
Maint	NRAO staff			Maintenance	4		1 8 12 14 20 [27 28 29 30]	42.50 [34.00]
Not Sched	NRAO staff						15 (17 18 22 24 26 28 30 31)	3.00 (26.50)
Tests	Ghigo			Fringe Check	C	5	15	1.25
Tests	Shelton			M&C Integ	L	DSP	8 9	8.00
Tests	Shelton			M&C Reg	L	DSP	[10 11]	[13.00]
Tests	NRAO staff			Pheonix*4	4		25	5.75
Tests	NRAO staff			RCO 450MHz	4		1 20	3.00
Tests	NRAO staff			RCO 800MHz	8		6	2.00
Tests	NRAO staff			RCO*8 800			[27]	[2.50]
Tests	Weadon			Servo			15	4.25
Tests	NRAO staff			Un-assigned Tests			5	1.50
Tests	NRAO staff			VIP Tour			(29)	(2.00)
Total Hrs	Astronomy Calibration Maintenance Un-assigned	630.50 4.00 52.25 29.50	290.25  34.00 -					

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	Tests	27.75	15.50					

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