

# GBT Observing Schedule for August 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	1 8 11 12 16 17 18 23 31	59.50
BH157	Hallinan, G. Briskin, W.F. Bourke, S. Doyle, J.G. Antonova, A. Golden, A.	NRAO - SOC  Armagh Observatory  National University of Ireland		Using the HSA to Resolve Two Binary Ultracool Dwarf Systems [G. Hallinan]	C	5	3	3.00
BI035	Imai, H. Deguchi, S. Nakashima, J. Diamond, P. J.	Kagoshima Univ Nobeyama Radio Observatory ASIAA MERLIN/VLBI National Facility		Proper motions of the W43A SiO masers [H. Imai]	Q	5	29 30	6.50
BM267	Mutel, R. L. Guedel, M. Peterson, W.	University of Iowa Paul Scherrer Institute		Time-Lapse Imaging of Algol's Radio Magnetosphere [R. L. Mutel]	U	5	17	12.50
BO031	Osten, R.A. Ojha, R. Ngoc, P.B.	Maryland, University of ATNF		Ultracool Dwarfs at High Spatial Resolution [R.A. Osten]	C	5	3	4.50
GBT04A-003	Curran, S. Whiting, M. Webb, J. Murphy, M. T. Pihlstrom, Y. Wiklind, T. Francis, P.	University of New South Wales Australia Telescope National Facility University of New South Wales Cambridge, University of UNM Space Telescope Science Institute Australian National University	Carl Bignell	Highly Redshifted HI and OH Absorption in Red Quasars [S. Curran]	68	SP	9 28 31	5.00
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	27 28	6.50
GBT05C-024	Frayser, D.T. Yan, L. Armus, L. Helou, G. Lutz, D. Sajina, A. Teplitz, H.	Caltech IPAC/SSC SSC/IPAC IPAC, Caltech Max-Planck-Institut fur extraterrestrische Physik University of British Columbia IPAC/SSC	Dana Balsler	CO(1-0) Observations of Spitzer z~2 ULIRGs Showing Strong PAH Emission [D.T. Frayer]	B	S	8 9	4.00
GBT06A-013	Braatz, J. A. Lo, F.K. Y.	NRAO - CV NRAO-CV	Jim Braatz	Finding Signatures of a Maser Disk in a Quasar at z=0.66 [J. A. Braatz]	U	S	22	3.75
GBT06A-026	Kanekar, N. Ellison, S.E.	NRAO-AOC University of Victoria	Toney Minter	A search for 21cm absorption towards MgII absorbers in the redshift desert [N. Kanekar]	6	P	7	4.25

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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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	York, B	University of Victoria						
GBT06B-045	Hewitt, J. Yusef-Zadeh, F.	Northwestern University Northwestern University	Toney Minter	A Continued Search for Supernova Remnant Masers [J. Hewitt]	L	S	22	1.25
GBT07A-030	Mason, B.S. Finkbeiner, D. Robishaw, T.	NRAO Green Bank Facility Princeton University (Astrophysics) University of California at Berkeley	Brian Mason	A Search for Polarized, Anomalous Microwave Emission from Lynds 1622 - copy [B.S. Mason]	U	S	24	7.50
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 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]	8	YR	28 29	7.75
GBT07B-012	Lorimer, D. McLaughlin, M. Heatherly, S. Ransom, S.	West Virginia University WVU NRAO-GB NRAO - CV	Scott Ransom	Pulsar searching in the classroom using the GBT [D. Lorimer]	3	S	13 14 18 19	27.25
GBT07C-016	Kanekar, N.	NRAO-AOC	Jim Braatz	Using NH3 lines to probe changes in fundamental constants [N. Kanekar]	U	S	4	2.00
GBT07C-018	Kanekar, N. Carilli, C. L. Stoeckle, J. T.	NRAO-AOC NRAO - Socorro University of Colorado	Jim Braatz	A blind GBT Q-band survey for redshifted molecular absorption [N. Kanekar]	Q	S	10	4.50
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 Eureka Scientific, Inc.	Scott Ransom	Follow-up Studies of Recent GBT Pulsar Discoveries [J. W. T. Hessels]	8S	G	21 23	6.75
GBT07C-054	Meier, D.S. Kanekar, N.	National Radio Astronomy Observatory NRAO-AOC	D.J. Pisano	A K <sub>a</sub> and Q band Spectral line Survey of Molecular Gas at z = 0.685 [D.S. Meier]	BQ	S	16 22	9.25
GBT07C-060	Camilo, F. Ransom, S. Roberts, M. McLaughlin, M. Arzoumanian, Z. Freire, P.	Columbia Astrophysics Laboratory NRAO - CV Eureka Scientific, Inc. WVU NASA/GSFC _Arecibo Observatory	Scott Ransom	GLAST timing at GBT: six key radio-faint pulsars [F. Camilo]	LS8	BG	2 12 13 26 27 28	13.50

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	Lorimer, D. Ray, P.S. Romani, R. W. Halpern, J. P.	West Virginia University Naval Research Lab Stanford University Columbia University						
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]	L	G	9 10	4.50
GBT08A-003	Curran, S. Darling, J. Tzanavaris, P. Bignell, R.C. Webb, J.	University of New South Wales Colorado at Boulder, University of National Observatory of Athens (Institute of Astronomy and Astrophysic NRAO - GB University of New South Wales	Carl Bignell	The Metallicity-21-cm Line Strength Relation in Damped Ly-alpha Absorbers [S. Curran]	68	S	7 28	5.75
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	24	0.75
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	28	2.00
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]	CU	S	2 3 9 15	15.00
GBT08A-037	Edel, S. Ludovici, D. Lorimer, D. McLaughlin, M. Kondratiev, V. Ridley, J.	West Virginia University WVU West Virginia University	Scott Ransom	Radio monitoring of magnetars [D. Lorimer]	S	G	15	4.50
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	20	4.25
GBT08A-073	Kanekar, N. Marthi, V.	NRAO-AOC	Jules Harnett	A deep search for associated HI 21cm absorption in red quasars [N. Kanekar]	6	S	8 11 13	3.00
GBT08A-075	Higdon, J. L. Koopmann, R. Higdon, S.J. Haynes, M. P.	Cornell University Union College Cornell Cornell University	Jules Harnett	Mapping a 500 kpc HI Plume in the Virgo Cluster with the GBT [J. L. Higdon]	L	S	1 2 3 7 12 14 23 24	28.75

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	Giovanelli, R. Kent, B.	Cornell University Cornell University						
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]	3L	PS	5 26	5.75
GBT08A-092	Greaves, J. Hales, A. Matthews, B.	Herzberg Institute	Brian Mason	Super-sized dust and exo-Earth formation [J. Greaves]	B	K	12	4.25
GBT08A-093	Heatherly, S.	NRAO-GB		GB Educational Observing [S. Heatherly]	LX	SD	10	11.25
GBT08B-003	Masters, K. Huchra, J. Crook, A. Macri, L. Jarrett, T.H. Springob, C.	Harvard-Smithsonian Center for Astrophysics Center for Astrophysics MIT National Optical Astronomy Observatory (NOAO) Caltech Cornell University	Jules Harnett	Mapping Matter in the Nearby Universe with 2MASS [K. Masters]	L	S	2 3 14 15 26	8.50
GBT08B-006	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]	LSX	G	5 6 15 25 26	7.50
GBT08B-008	Morgan, L. Urquhart, J. Figura, C.	National Radio Astronomy Observatory (NRAO) University of Leeds	Jules Harnett	Free-Free Emission from Bright-Rimmed Clouds [L. Morgan]	X	D	24 25	10.00
GBT08B-009	Harnett, J. I. Beck, R. Kepley, A.	Max-Planck-Institut fur Radioa University of Wisconsin at Madison (Astronomy)	Jules Harnett	Magnetic fields and the interstellar medium in three large spiral galaxies [J. I. Harnett]	C	S	10 11 15 16 19 20 21	22.00
GBT08B-014	Kanekar, N. Chengalur, J. Ghosh, T.	NRAO-AOC NCRA (TIFR) Arecibo Observatory	Ron Maddalena	Probing changes in fundamental constants with conjugate satellite OH lines [N. Kanekar]	L	S	14 25 27	8.25
GBT08B-017	Deneva, J. Cordes, J. M. Lazio, T.J.W.	Cornell University NAIC and Cornell University Naval Research Laboratory	Scott Ransom	Spectrum Estimation and Timing of Two Highly Dispersed Pulsars Near SGR A* [J. Deneva]	L	G	27	1.50
GBT08B-018	Macquart, J.-P. Kanekar, N. Frail, D. A.	NRAO - Soc NRAO-AOC NRAO-SOC	Scott Ransom	Confirming a pulsar candidate at the Galactic Center [N. Kanekar]	U	G	30 31	24.00
GBT08B-019	Ghosh, T. Salter, C. J. Catinella, B. Lebron, M. Lerner, M.	Arecibo Observatory Arecibo Observatory  Instituto de Astronomia Onsala Space Observatory	Karen O'Neil	A GBT Cm-wave Search for Prebiotic & Other Molecules in Arp220-like Galaxies [T. Ghosh]	C	S	1 5 6 8	6.00

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	Minchin, R.F. Momjian, E. O'Neil, K.	NAIC Arecibo Observatory (Puerto Rico) NRAO - GB						
GBT08B-022	Anderson, L. Bania, T. M. Rood, R. T. Balsler, D.S.	Boston University University of Virginia NRAO - Green Bank	Dana Balsler	How many HII Regions are in the Milky Way? [L. Anderson]	X	DS	1 2 3 4 6	15.00
GBT08B-023	Ferdman, R. Stairs, I. Kramer, M. McLaughlin, M. Demorest, P. Nice, D. Burgay, M. Camilo, F. D'Amico, N. Hobbs, G. Lorimer, D. Lyne, A. G. Manchester, D.R. N. Possenti, A. Faulkner, A. Backer, D. C.	University of British Columbia University of British Columbia Jodrell Bank WVU 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 University of Manchester University of California, Berkeley	Scott Ransom	Timing Binary Pulsars from the Parkes Multibeam Survey [R. Ferdman]	L	YB	5 12	4.00
GBT08B-024	Terrier, R. Hessels, J. W. T. Roberts, M.	Universiteit van Amsterdam Eureka Scientific, Inc.	Scott Ransom	Finding the Young, Energetic Pulsar Powering G32.64+0.53/IGRJ18490-0000 [J. W. T. Hessels]	S	G	23 24	2.50
GBT08B-025	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]	8	YBG	29	5.50
GBT08B-026	Minter, A. Dennison, B. K. Dickens, L.	NRAO - Green Bank Virginia Polytechnic Institute	Toney Minter	The H 2p-2s fine-structure line toward HII Regions and Planetary Nebulae [A. Minter]	X	S	2 6 7 8 15 16	15.50
GBT08B-030	Chynoweth, K. Langston, G. I. Holley-Bockelmann	NRAO-GB	Glen Langston	A Search for HVC Analogs in the NGC 2403 Group [K. Chynoweth]	L	S	1	2.75

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	, K.							
GBT08B-031	Lynch, R. Ransom, S.	Virginia, University of NRAO - CV	Scott Ransom	A Search for New Pulsars in the Globular Cluster Liller 1 [R. Lynch]	C	O	21 23	8.50
GBT08B-032	Thaddeus, P. Gottlieb, C. A. Gupta, H. Bruenken, S. McCarthy, M.	Center for Astrophysics Harvard University Harvard-Smithsonian Center for Astrophysics Harvard-Smithsonian Center for Astrophysics	Ron Maddalena	A Search for the Negative Molecular Ions C5N- and C10H- [C. A. Gottlieb]	U	S	9	3.50
GBT08B-035	Darling, J. Willett, K.	Colorado at Boulder, University of University of Colorado at Boulder	Frank Ghigo	A High Redshift OH Megamaser Survey [J. Darling]	L	S	20	3.50
GBT08B-036	Chomiuk, L. Wilcots, E.	Univ. of Wisconsin University of Wisconsin	Jules Harnett	Probing Cosmic Ray Escape from Galaxies Using 20 cm Radio Continuum [L. Chomiuk]	L	S	17	4.75
GBT08B-037	Bandura, K. Peterson, J. Pen, U-L Chang, T-C	Carnegie Mellon University Toronto, University of UoT/CITA		Search for Direct Detection of Cosmological LSS with HI Brightness Mapping [K. Bandura]	8	S	29 30	16.00
GBT08B-038	Goncalves, D. Martin, P.G. Lockman, F. J.	University of Toronto NRAO-GB	Jay Lockman	The North Celestial Pole Loop [D. Goncalves]	L	S	2 4 22	4.75
GBT08B-039	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	Radio Timing and Spectra of New and Old RRATs [M. McLaughlin]	3	G	5	2.25
GBT08B-040	Langston, G. I.	NRAO-GB	Glen Langston	Structure of \$HC_3N\$ in TMC-CP [G. I. Langston]	XU	S	5 8	7.50
GBT08B-043	Wagg, J. Kanekar, N. Carilli, C. L.	NRAO - Soc NRAO-AOC NRAO - Socorro	D.J. Pisano	The molecular gas content of z>6.5 Lyalpha emitters [J. Wagg]	U	S	4 9 11 13 15 16 17 24	37.00
GBT08B-044	McLaughlin, M. Kramer, M. Stairs, I. Ferdman, R. Camilo, F. Lyne, A. G. Manchester, D.R. N. Possenti, A.	WVU Jodrell Bank University of British Columbia University of British Columbia Columbia Astrophysics Laboratory Manchester, University of Australia Telescope Istituto Nazionale di Astrofisica Osservatorio di Cagliari		Bye Bye B: One Last Glimpse of the Double Pulsar [M. McLaughlin]	3	YGB	2 15	11.50

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	D'Amico, N. Burgay, M. Freire, P.	Istituto Nazionale di Astrofisica Arecibo Observatory						
GBT08C-010	Courtois, H. Tully, R.B. Fisher, R. Bonhomme, N.	Institute for Astronomy Institute for Astronomy NRAO Green Bank Facility	Toney Minter	Bulk motions of filaments in the Local Universe - Large Proposal - 08C [H. Courtois]	L	S	21 22	8.75
GBT08C-049	Lynch, R. Ransom, S. Freire, P. Stairs, I.	Virginia, University of NRAO - CV Arecibo Observatory University of British Columbia	Scott Ransom	Timing of Newly Discovered MSPs in the Globular Cluster NGC6517 [R. Lynch]	S	U	21 22	1.00
GBT08C-062	Wakker, B. Brown, J. Lockman, F. J.	Univ. of Wisconsin  NRAO-GB	Jay Lockman	Confirming that N(HI,21cm) differs from N(HI,Lyalpha) in the Milky Way [B. Wakker]	L	S	30 31	5.75
GBT08C-076	Ransom, S. Freire, P. Stairs, I. Hessels, J. W. T. Lynch, R.	NRAO - CV Arecibo Observatory University of British Columbia Universiteit van Amsterdam Virginia, University of	Scott Ransom	Long Term Timing of 55 Recycled Pulsars in Bulge Globular Clusters [S. Ransom]	S	G	21	3.25
GLST011217	Tomsick, J.A. Corbel, S. Migliari, S. Pottschmidt, K. Wilms, J. Rodriguez, J. Pooley, G. G.	Calif.-San Diego CEA-Saclay Amsterdam  Switzerland Mullard Radio Astronomy Observ	D.J. Pisano	Probing the High Energy Emission of Microquasars with Multi-wavelength observations [J.A. Tomsick]	XC	SD	6 15 16 19 27 28	7.75
Maint	NRAO staff			Maintenance			4 5 6 7 11 12 13 14 18 19 20 21 22 25 26 27 28	169.00
Tests	NRAO staff			Calibration	X		1	4.00
Tests	NRAO staff			Guppi tests	S		22	2.25
Tests	NRAO staff			HALFP Nighttime	U		7 8	3.00
Tests	NRAO staff			HOLO Anytime	U		4 5	4.00
Tests	NRAO staff			OOF Nighttime	Q		8	2.00
Tests	NRAO staff			RCO*8	8	DSP	26	1.75
Tests	NRAO staff			RCO300	3		4	2.00

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Tests	NRAO staff			RCO600	6		6	2.75
Tests	NRAO staff			RCO800	8		19	1.25
Tests	NRAO staff			RFI	LCSX	DSP	22	2.50
Tests	NRAO staff			RFI Scan	LC8		23 24 25 26 27	6.25
Tests	NRAO staff			RFI*8	8	DSP	19 21	1.00
Tests	NRAO staff			Regression Testing 8.4	L		1	1.50
Tests	NRAO staff			S band commissioning	S		10	3.00
Total Hrs	Astronomy	537.75						
	Maintenance	169.00						
	Un-assigned							
	Tests	37.25						

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