

# GBT Observing Schedule for December 2005

Proposal	Investigators	Institute	NRAO Friend	Title	Bands	Back Ends	Days *	Hrs *
BB184	Braatz, J. A. Greenhill, L. J. Henkel, C. Moran, J. M. Wilson, A. S.	NRAO CfA Max-Planck-Institut fur Radioa CfA University of Maryland		Imaging Accretion Disks and Measuring Distances to Galaxies [J. A. Braatz]	K	V	12 29	20.00
BB217	Boyce, E. Winn, J. Myers, S. Rusin, D. Hewitt, J. N. Keeton, C.	MIT CfA NRAO -SOC Univer of Penn Massachusetts Institute of Tec Rutgers University		Observations of Gravitational Lens Central Images	C	V	9	2.50
BK114	Kondratko, P.T. Greenhill, L. J. Moran, J. M. Reid, M. J.	Harvard University CfA CfA Center for Astrophysics		Follow-up Imaging of Three NGC4258-like Water Megamasers Discovered with the GBT [P.T. Kondratko]	K	V	27	15.00
BK127	Knudsen, K.K. Walter, F. Momjian, E. Carilli, C. L. Yun, M.	Max-Planck-Institute for Astronomy, Heidelberg MPIfA Arecibo Observatory (Puerto Rico) NRAO - Socorro University of Massachusetts		Resolving the AGN and the starburst in an intensely starforming quasar	L	V	29	7.00
BM238	Momjian, E. Carilli, C. L. Walter, F. Riechers, D.	Arecibo Observatory (Puerto Rico) NRAO - Socorro MPIfA Max-Planck-Institute for Astronomy, Heidelberg		Testing the AGN vs. AGN+starburst hypotheses in the z = 4:4 QSO BRI 1335-0417	L	V	31	7.00
BT075	Tarchi, A. Brunthaler, A. Henkel, C. Menten, K. M. Moscadelli, L. Chiaberge, M.	Istituto di Radioastronomia MPIfR Max-Planck-Institut fur Radioa Max-Planck-Institut Fur Radioa Stazione Astronomica di Caglia IRA - Bologna		3C403: Is the water maser in an FRII associated with an accretion disk or is due to a jet interaction? [A. Tarchi]	K	V	28	10.00
BW083	Winn, J. Haarsma, D. Shapiro, I. I. Lehar, J.	CfA Calvin College Center for Astrophysics CombinatoRx		The central component of Q0957+561 [J. Winn]	L	V	30	4.00
BW085	Winn, J. Keeton, C.	CfA Rutgers University		The Missing Images of the Quintuple Quasar	X	V	30	6.00
GBT01A-005	Turner, B. Langston, G. I.	NRAO-CV NRAO-GB	F. D. Ghigo	A High-resolution Spectral Survey Of Tmc-1 At Q-band [B. Turner]	Q	S	(1 2 3 4 5 6 7 8 9 13 14 19 20 21 22)	(51.00)
GBT02A-066	Hughes, D. H. Aretxaga, I.	Instituto Nacional de Astrofisica [INAOE]	K. O'Neil	Breaking the Redshift Deadlock: The Spectroscopic Redshift of HDF850.1, the Brightest Sub-millimetre	Q	S	(2 4 7 9)	(26.00)

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

# GBT Observing Schedule for December 2005

Proposal	Investigators	Institute	NRAO Friend	Title	Bands	Back Ends	Days *	Hrs *
	Gaztanaga, E. Chapin, E. L. Dunlop, J.S. Devlin, M.J. Wagg, J.	Instituto Nacional de Astrofisica, Optica y Electr Instituto Nacional de Astrofisica, Optica y Electr Instituto Nacional de Astrofisica, Optica y Electr Institute for Astronomy, University of Edinburgh Rutgers Univ. and Univ. of Pennsylvania Instituto Nacional de Astrofisica, Optica y Electronica (INAOE)		Source in the Hubble Deep Field [D. H. Hughes]				
GBT04C-043	Ransom, S. Freire, P. Gupta, Y.	NRAO Arecibo Observatory National Centre for Radio Astrophysics	S. Ransom	Timing the Eccentric Millisecond Pulsar Binary in Globular Cluster NGC 1851 [S. Ransom]	38	G	9 10 26 27	5.00
GBT05A-011	Ransom, S. Camilo, F. Stairs, I. Kaspi, V. Hessels, J. W. T. Freire, P.	NRAO Columbia Astrophysics Laboratory University of British Columbia McGill University McGill University Arecibo Observatory	S. Ransom	Timing of the Binary and Millisecond Pulsars in Terzan5 [S. Ransom]	S	GO	[21 23]	[15.00]
GBT05B-032	Thorsett, S. Stairs, I. Arzoumanian, Z.	University of California, Santa Cruz University of British Columbia NASA/GSFC	S. Ransom	Timing the millisecond pulsar B1620-26 with the GBT [S. Thorsett]	L	PG	30	1.00
GBT05B-034	Stairs, I. Camilo, F. Kramer, M. Faulkner, A. McLaughlin, M. Lyne, A. G. Hobbs, G. Manchester, D.R. N. Possenti, A. D'Amico, N. Burgay, M. Ferdman, R. Ramachandran, R. Backer, D. C. Demorest, P. Nice, D.	University of British Columbia Columbia Astrophysics Laboratory NRAL Nuffield Radio Astronomy Laboratories University of Manchester NRAL Australia Telescope National Facility (ATNF) Australia Telescope Osservatorio di Cagliari Osservatorio di Cagliari Istituto Nazionale di Astrofisica University of British Columbia UC Berkeley (Astronomy) University of California, Berkeley UC Berkeley (Physics) Princeton University	S. Ransom	Timing Binary and Millisecond Pulsars from the Parkes Multibeam Survey [I. Stairs]	L	BOG	31	1.50
GBT05B-042	Kramer, M. Stairs, I. Camilo, F.	NRAL University of British Columbia Columbia Astrophysics Laboratory	S. Ransom	Timing and General Relativity in the Double Pulsar System [M. Kramer]	L8	BOG	28 29	5.00

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

# GBT Observing Schedule for December 2005

Proposal	Investigators	Institute	NRAO Friend	Title	Bands	Back Ends	Days *	Hrs *
	McLaughlin, M. Lyne, A. G. Manchester, D.R. N. Possenti, A. D'Amico, N. Burgay, M. Freire, P. Joshi, B. Ferdman, R.	University of Manchester NRAL Australia Telescope Osservatorio di Cagliari Osservatorio di Cagliari Istituto Nazionale di Astrofisica Arecibo Observatory National Centre for Radio Astrophysics (India) University of British Columbia						
GBT05B-044	McLaughlin, M. Possenti, A. Stairs, I. Kramer, M. Lyne, A. G. Lyutikov, M. Burgay, M. Manchester, D.R. N. Freire, P. Camilo, F.	University of Manchester Osservatorio di Cagliari University of British Columbia NRAL NRAL McGill University Istituto Nazionale di Astrofisica Australia Telescope Arecibo Observatory Columbia Astrophysics Laboratory	S. Ransom	Studying the Interactions in the J0737-3039 System [M. McLaughlin]	3	BYG	11 12	7.00
GBT05C-009	Joncas, G. Bariault, L. Boothroyd, A. Landecker, T. L. Lockman, F. J. Martin, P.G. Miville-Deschenes, M. Taylor, A. R.	Universite Laval Universite Laval University of Toronto DRAO NRAO-GB University of Toronto IAS Univ. Paris-Sud University of Calgary	F. J. Lockman	GBT HI Observations of the DRAO Deep Field: Determining Foregrounds for Planck [F. J. Lockman]	L	P	[1 3 4 5 6 7 8 13 14 15 16 17]	[85.25]
GBT05C-014	Devine, K. Chandler, C. Brogan, C.L. Shirley, Y.L. Indebetouw, R. Churchwell, E. B.	University of Wisconsin at Madison NRAO-Socorro JCMT University of Arizona University of Virginia University of Wisconsin	R. Maddalena	Ammonia and CCS Observations of GLIMPSE Infrared Dark Clouds [C. Chandler]	K	S	(18 24 26)	(20.25)
GBT05C-016	Bolatto, A. Darling, J. Willott, C.	University of California at Berkeley Carnegie Institution of Washington (Headquartes) Herzberg Institute of Astrophysics	F. D. Ghigo	A Search for HI and Molecular Absorption in an Extremely Reddened QSO [A. Bolatto]	3	S	10 11	4.00
GBT05C-018	Robishaw, T. Heiles, C. E. Quataert, E.	University of California at Berkeley University of California University of California at Berkeley	A. Minter	OH Megamasers in ULIRGs: The Mega-Obvious Place to Look for Zeeman Splitting! [T. Robishaw]	L	P	18 [15 17 19 20 21 22 23]	9.00 [29.50]
GBT05C-021	Miville-Deschenes, M.	IAS Univ. Paris-Sud Institut d'Astrophysique Spatiale	F. J. Lockman	Characterizing Dust in High Velocity Clouds [F. J. Lockman]	L	P	[1 2 3 4 5 6 7 8 9 14 16]	[116.50]

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

# GBT Observing Schedule for December 2005

Proposal	Investigators	Institute	NRAO Friend	Title	Bands	Back Ends	Days *	Hrs *
	Boulanger, F. Lockman, F. J. Boothroyd, A. Martin, P.G.	NRAO-GB University of Toronto University of Toronto						
GBT05C-023	Camilo, F. Ransom, S. Gaensler, B.M. Slane, P.O. Lorimer, D. Manchester, D.R. N.	Columbia Astrophysics Laboratory NRAO CFA CfA University of Manchester Australia Telescope	S. Ransom	PSR J1833-1034, the Very Young Pulsar in the SNR G21.5-0.9 [F. Camilo]	S8	GB	[17 19]	[7.00]
GBT05C-026	Devlin, T. Devlin, M.J. Mason, B.S.	Rutgers University Rutgers Univ. and Univ. of Pennsylvania NRAO Green Bank Facility	B.S. Mason	Polarization of 30 GHz emission from extra-galactic sources [T. Devlin]	K	P	(31)	(10.25)
GBT05C-031	Kepley, A. Wilcots, E. Robishaw, T. Heiles, C. E. Zweibel, E.	University of Wisconsin at Madison (Astronomy) University of Wisconsin University of California at Berkeley University of California University of Wisconsin at Madison (Astronomy)	A. Minter	Magnetic Fields in Dwarf Irregular Galaxies: NGC 4214 [A. Kepley]	X	P	(3 5)	(11.50)
GBT05C-034	Kameno, S. Nakai, N. Sawada-Satoh, S. Sato, N. Yoshikawa, Ryo	NAO Tsukuba University Academia Sinica Institute of Astronomy and Astrophysics Nobeyama Radio Observatory University of Tokyo	K. O'Neil	Water maser tomography through molecular torus of NGC 1052 [S. Kameno]	K	S	(6 8 19 21 26 28)	(6.00)
GBT05C-038	Bower, G. C. Ramachandran, R. Muno, M. P. Baganoff, F. K.	UC Berkeley UC Berkeley (Astronomy) UC Los Angeles MIT	S. Ransom	Searching for Radio Pulsations from Radio point sources in the Galactic Center [R. Ramachandran]	X	G	(3 5 6 8)	(24.75)
GBT05C-040	Kasian, L. Stairs, I. Backer, D. C. Ramachandran, R. van Leeuwen, Joeri	University of British Columbia University of British Columbia University of California, Berkeley UC Berkeley (Astronomy) University of British Columbia	S. Ransom	A Drift-Scan Pulsar Survey - II. Confirmation of Candidates [L. Kasian]	3	Y	10 11	6.00
GBT05C-042	Ransom, S. Freire, P. Hessels, J. W. T. Begin, S. Stairs, I. Camilo, F. Kaspi, V.	NRAO Arecibo Observatory McGill University University of British Columbia University of British Columbia Columbia Astrophysics Laboratory McGill University	S. Ransom	Timing the Binary and Millisecond Pulsars in NGC6440 and NGC6441 [S. Ransom]	S8	GY	7 [3 5]	8.50 [14.00]

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

# GBT Observing Schedule for December 2005

Proposal	Investigators	Institute	NRAO Friend	Title	Bands	Back Ends	Days *	Hrs *
GBT05C-045	Ransom, S. Hessels, J. W. T. Roberts, M. Kaspi, V.	NRAO McGill University McGill University (Physics Dept) McGill University	S. Ransom	A 350-MHz Survey of the Northern Galactic Plane for Pulsars (continued) [S. Ransom]	3	G	9 10 [13]	3.50 [8.00]
GBT05C-046	Stairs, I. Lorimer, D.	University of British Columbia University of Manchester	S. Ransom	Timing of a Relativistic Binary and other Pulsars from the Arecibo PALFA Survey [I. Stairs]	LS	YG	10 (21 23)	4.00 (16.00)
GBT05C-051	Braatz, J. A. Gugliucci, N.	NRAO University of Virginia	J. A. Braatz	A Snapshot Survey for H2O Megamasers in Nearby, Luminous Galaxies [J. A. Braatz]	K	S	(1 2 3 4)	(9.25)
GBT05C-053	van Leeuwen, Joeri Stairs, I. Ferdman, R. Ramachandran, R. Backer, D. C. Demorest, P. Nice, D.	University of British Columbia University of British Columbia University of British Columbia UC Berkeley (Astronomy) University of California, Berkeley UC Berkeley (Physics) Princeton University	S. Ransom	Exposing drifting subpulses from the slowest to the fastest pulsars [Joeri van Leeuwen]	3	Y	9 10 11 12	22.00
GBT05C-056	Freire, P. Ransom, S. Stairs, I. Hessels, J. W. T. Kaspi, V. Camilo, F. Begin, S.	Arecibo Observatory NRAO University of British Columbia McGill University McGill University Columbia Astrophysics Laboratory University of British Columbia	S. Ransom	A GBT S-band Globular Cluster Survey: Phase B [P. Freire]	S	G	(2 4 14 16 17 19)	(34.50)
GBT05C-057	Jorgenson, R. Wolfe, A. M. Prochaska, J. Darling, J.	University of California at San Diego University of California-San D University of California Carnegie Institution of Washington (Headquartes)	F. D. Ghigo	Search for 21cm Absorption toward Radio Loud, Extremely Optically Faint Sources [R. Jorgenson]	3	S	10 11	13.00
GBT05C-058	Foster, Tyler Kotthes, R.	NRC DRAO	D.S. Balsaer	The Galactic Object OA184: Supernova Remnant or HII Region? [Tyler Foster]	C	S	(6 8)	(5.00)
Comm	NRAO staff			HF Comm	QB	DSPK	(1 5 6 7 8 13 14 15 16 17 19 20 21 22 23 24)	(185.75)
Shutdown	NRAO staff			Xmas Shutdown			24 25 26	36.00
Maint	NRAO staff			Install 800	8		(15 20)	(4.00)
Maint	NRAO staff			Maintenance			9 24 26 [6 8 13 15 20 22] (2 16 30)	7.50 [51.00] (13.00)
Not Sched	NRAO staff						(4 11 13 14 15)	(71.75)

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

\* [ ] 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

# GBT Observing Schedule for December 2005

Proposal	Investigators	Institute	NRAO Friend	Title	Bands	Back Ends	Days *	Hrs *
							16 17 18 19 21	
Setup	NRAO staff			Observation setup	KCLXQ38S	VSGOPBY	7 9 10 11 12 18 26 27 28 29 30 31 [1 2 3 4 5 6 7 8 13 14 15 16 17 19 20 21 22 23] (1 2 3 4 5 6 7 8 9 13 14 16 17 18 19 20 21 22 23 24 26 28 31)	18.50 [19.00] (23.00)
Tests	Clark			Astrid tests	L	S	(6 8)	(3.50)
Tests	NRAO staff			Poln tests Mason	X	DSP	(27 28)	(4.00)
Tests	NRAO staff			RCO 800	8	DSP	[17 19]	[3.00]
Tests	NRAO staff			RCO*3 340 MHz	3	DSP	9	2.00
Total Hrs	Shutdown	36.00						
	Astronomy	375.50	275.25					
	Setup	41.50	19.00					
	Commissioning	185.75						
	Maintenance	24.50	51.00					
	Un-assigned	71.75						
	Tests	9.50						

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