

# GBT Observing Schedule for December 2003

Proposal	Investigators	Institute	NRAO Friend	Title	Bands	Back Ends	Days *	Hrs *
GBT01A-061	Lane, W. Briggs, F. H. Chengalur, J. Kanekar, N. Kassim, N. E.	Naval Research Lab Kapteyn Astronomical Institute NCRA (TIFR) Kapteyn Astronomical Institute NRL	G. I. Langston	A blind search for redshifted HI 21cm Absorption [W. Lane]	8	SP	[11 12 15 16]	[29.00]
GBT02A-031	Lockman, F. J.	NRAO-GB		Galactic HI Mapping of X-Ray, UV, and Optical Deep Fields [F. J. Lockman]	L	SP	[12]	[6.50]
GBT02A-046	Braatz, J. A. Henkel, C. Wilson, A. S.	NRAO Max-Planck-Institut fur Radioa University of Maryland	J. A. Braatz	Monitoring a Maser Disk in Mrk 1419 [J. A. Braatz]	K	S	(15 18)	(8.75)
GBT02A-062	Camilo, F. Halpern, J. P. Stairs, I. Backer, D. C. Arzoumanian, Z.	Columbia Astrophysics Laboratory Columbia University University of British Columbia University of California, Berkeley NASA/GSFC	F. D. Ghigo	Studying PSR J2229+6114: an Energetic Gamma-ray Emitting Young Pulsar [F. Camilo]	L6	B	2 3	2.50
GBT02A-063	Claussen, M. J. Wootten, H. A. Marvel, K. Wilking, B. A.	NRAO-SOC NRAO-CV American Astronomical Society University of Missouri	R. Maddalena A. Minter	Water Maser Monitoring of Low and Intermediate Mass Young Stellar Objects [M. J. Claussen]	K	S	(10 11 13 14 28 31)	(17.50)
GBT02A-065	Greenhill, L. J. Kondratko, P.T. Braatz, J. A. Moran, J. M.	Harvard-Smithsonian Harvard University NRAO CfA	J. A. Braatz	Detection of AGN in Apparently "Normal" Galaxies [L. J. Greenhill]	K	S	(9 10 13 14 19 20 21 22)	(75.75)
GBT02C-020	Henkel, C. Balsler, D. Desmurs, J. F. Braatz, J. A.	Max-Planck-Institut fur Radioa NRAO - Green Bank Observatorio Astronomico Nacio NRAO	J. A. Braatz	A 6 GHz Survey of Extra-galactic OH Megamasers [C. Henkel]	C	S	[1 2 3 4 5]	[31.50]
GBT02C-045	Kondratko, P.T. Greenhill, L. J. Moran, J. M.	Harvard University Harvard-Smithsonian CfA	K. O'Neil	Probing the AGN Environment in Moderate Velocity Active Galactic Nuclei (H2O) [P.T. Kondratko]	K	S	(5 7 14)	(18.25)
GBT02C-048	Kondratko, P.T. Greenhill, L. J. Moran, J. M. Herrnstein, J. Garcia Miro, C.	Harvard University Harvard-Smithsonian CfA Renaissance Technology Madrid Deep Space Communication Complex, Spain	K. O'Neil	A Search for Very-High-Redshift Water Maser Emission [P.T. Kondratko]	CXU	S	(4 6 7 8 12 13 14)	(53.50)
GBT02C-065	Braatz, J. A. Henkel, C. Wilson, A. S.	NRAO Max-Planck-Institut fur Radioa University of Maryland	J. A. Braatz	A Search for Cosmologically Interesting H2O Megamasers [J. A. Braatz]	K	S	(17)	(4.50)
GBT03A-015	Lane, W. Kanekar, N. Ellison, S.E.	Naval Research Lab Kapteyn Astronomical Institute European Southern Observatory	G. I. Langston	A Search for 21cm Absorption in High Redshift Damped Lyman-Alpha Absorbers [W. Lane]	8	P	[15 18]	[8.75]

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

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	Chengalur, J.	NCRA (TIFR)						
GBT03A-016	Stairs, I. Manchester, D.R. N. Lyne, A. G.	University of British Columbia Australia Telescope NRAL		The Physics of a Massive Pulsar System [I. Stairs]	L	BP	[19 22]	[4.50]
GBT03A-025	Becker, W Lorimer, D. McLaughlin, M. Kramer, M. Camilo, F. Arzoumanian, Z. Weisskopf, M. Kanbach, G.	Max Planck Institut fuer extraterrestrische Physik University of Manchester University of Manchester NRAL Columbia Astrophysics Laboratory NASA/GSFC Marshall Space Flight Center Max Planck Institut fuer extraterrestrische Physik	G. I. Langston	A GBT search for the young neutron star in Gamma Cygni [W Becker]	8	BDS	27	18.00
GBT03B-015	Ransom, S. Stairs, I. Kaspi, V. Hessels, J. W. T. Backer, D. C.	McGill University University of British Columbia McGill University McGill University University of California, Berkeley		Timing the Pulsars in the Globular Cluster M30 [S. Ransom]	LS	B	[19 22]	[8.00]
GBT03B-016	Walsh, A. Myers, P. C. Zhang, Q. Di Francesco, J. Bourke, T. Wilner, D.	Harvard-Smithsonian Center for Astrophysics Center for Astrophysics Harvard-Smithsonian Center for Astrophysics National Research Council Canada Center for Astrophysics Center for Astrophysics	K. O'Neil	A Complete Picture of Cluster Formation in NGC 1333 [A. Walsh]	K	S	(16 17 18 20 21 23 24)	(33.75)
GBT03B-026	Roberts, M. Hessels, J. W. T. Ransom, S. Kaspi, V. Tam, C.R. Livingstone, M. Backer, D. C. Crawford, F.	McGill University (Physics Dept) McGill University McGill University McGill University McGill McGill University of California, Berkeley Haverford College		Timing of a Millisecond Pulsar Discovered in a Survey of Mid-Latitude EGRET Error Boxes [M. Roberts]	L8	B	14	1.00
GBT03B-030	Benjamin, R. Lockman, F. J.	University of Wisconsin at Madison (Physics) NRAO-GB	F. J. Lockman	High Velocity Clouds Interacting with the Milky Way? [R. Benjamin]	L	P	[1]	[2.50]
GBT03C-009	Darling, J.	Carnegie Institution of Washington (Headquartes)	K. O'Neil A. Minter	A Direct Measurement of Fine Structure "Constant" Evolution from OH and HI Absorption Lines [J. Darling]	L8	S	[13 14 16 17 18 19 20]	[101.25]

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GBT03C-014	Lovell, A. Schloerb, F. P. Howell, E.	Agnes Scott College University of Massachusetts Arecibo Observatory	R. Maddalena	OH Observations of Comet 2P/Encke [A. Lovell]	L	S	1 5 6	25.50
GBT03C-023	Li, D. Goldsmith, P. F. Troland, T. H. Heiles, C. E.	Harvard-Smithsonian Center for Astrophysics Cornell University University of Kentucky University of California	G. I. Langston K. O'Neil	HI Narrow Self-Absorption: A New Tracer for Measuring The Magnetic Field in Dense Molecular Clouds [D. Li]	L	S	1 2 3	11.75
GBT03C-031	Jacoby, B. Anderson, S. Kulkarni, S. R. Kaplan, D. Backer, D. C.	Caltech Astronomy Caltech Physics Caltech Caltech University of California, Berkeley	A. Minter	Timing the pulsars in M62, NGC 6544, and NGC 6624 and Search for Ultra-fast pulsars [B. Jacoby]	L8	BS	[12 15]	[14.00]
Comm	Ghigo			Q band comm	Q	S	(24 26 27 30 31)	(45.50)
Shutdown	NRAO staff			Christmas Shutdown			24 25 26	36.00
Maint	NRAO staff			Maintenance			2 3 4 9 10 11 16 17 18 23 30 31	105.75
Maint	NRAO staff			Shutdown preparation			24	2.00
Maint	NRAO staff			Startup			26	3.00
Not Sched	NRAO staff						4 10 15 27 28 29 31 (14)	33.50 (2.50)
Setup	NRAO staff			Observation setup	8LK6CXU	SPBD	1 2 3 5 6 14 27 [1 3 5 11 12 13 14 15 16 17 18 19 22] (4 5 6 7 8 9 10 12 13 14 15 16 17 18 19 20 21 23 28 31)	8.00 [19.00] (27.00)
Tests	Norrod			Baseline tests	KUX	S	(1)	(3.50)
Tests	Minter			M&C Reg tests	LCUSXK	DSP	21 [18 19 22 23]	4.25 [24.00]
Tests	Balser			PCO 2A41	X	S	4 5 7 [7]	18.75 [5.00]

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Tests	Prestage			PTCS Tests	LCUXKU	DSP	(8 9 11 12 15 16 18 19 22 23 29 30)	(144.00)
Tests	Ghigo			RCO K & Q	KQ	S	(7 11)	(12.25)
Tests	Braatz			RCO K band	K	S	(1 2 3)	(20.50)
Tests	?			RCO*4	4	PD	31	3.25
Tests	Ghigo			RCO*6	6	BDPS	2	3.50
Total Hrs	Shutdown	36.00						
	Astronomy	270.75	206.00					
	Setup	35.00	19.00					
	Commissioning	45.50						
	Maintenance	110.75						
	Un-assigned	36.00						
	Tests	210.00	29.00					

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