

# GBT Observing Schedule for January 2004

Proposal	Investigators	Institute	NRAO Friend	Title	Bands	Back Ends	Days *	Hrs *
GBT01A-061	Lane, W.M. Briggs, F. H. Chengalur, J. Kanekar, N. Kassim, N. E.	Naval Research Lab ANU NCRA (TIFR) Kapteyn Astronomical Institute NRL	A. Minter	A blind search for redshifted HI 21cm Absorption [W.M. Lane]	4	SP	3 4 5 6 8 9	29.75
GBT02A-031	Lockman, F. J.	NRAO-GB	F. J. Lockman	Galactic HI Mapping of X-Ray, UV, and Optical Deep Fields [F. J. Lockman]	L	SP	30 31	8.25
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	28 29	4.00
GBT02A-063	Claussen, M. J. Wootten, H. A. Marvel, K. Wilking, B. A.	NRAO-SOC NRAO-CV American Astronomical Society University of Missouri	A. Minter R. Maddalena	Water Maser Monitoring of Low and Intermediate Mass Young Stellar Objects [M. J. Claussen]	K	S	7 28	8.75
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	24 28	14.50
GBT02A-069	Fisher, R.	NRAO Green Bank Facility	R. Fisher	Galaxy Survey of HI emission [R. Fisher]	L	SP	2 3	16.00
GBT02B-016	Solomon, P. Vanden Bout, P. A.	SUNY at Stony Brook NRAO-CV	R. Maddalena	Dense Molecular Gas and Star Formation in the High Redshift Universe (HCN) [P. Solomon]	K	S	31	4.50
GBT02C-008	Darling, J. Giovannelli, R. Haynes, M. P.	Carnegie Institution of Washington (Headquartes) Cornell University Cornell University	G. I. Langston R. Maddalena	A Blind HI Survey for Damped Lyman alpha Absorbers [J. Darling]	8	S	23 24 25 26 28	60.75
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	26 27	10.50
GBT02C-030	Lo, F.K. Y. Liang, M. C. Trung, D.	NRAO-CV Caltech Academia Sinica Institute of Astronomy & Astrophysics	J. A. Braatz	GBT Search for Very Luminous H2O Megamasers [F.K. Y. Lo]	K	S	19 20 21 23	40.75
GBT02C-054	Braatz, J. A. Henkel, C. Wilson, A. S. Greenhill, L. J. Moran, J. M.	NRAO Max-Planck-Institut fur Radioa University of Maryland Harvard-Smithsonian CfA	J. A. Braatz	Measuring Nuclear Disks in NGC 1386 and IC 2560 (H2O) [J. A. Braatz]	K	S	29 31	6.75
GBT02C-065	Braatz, J. A. Henkel, C.	NRAO Max-Planck-Institut fur Radioa		A Search for Cosmologically Interesting H2O Megamasers [J. A. Braatz]	K	S	29 30	11.50

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

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	Wilson, A. S.	University of Maryland						
GBT03A-014	Lockman, F. J.	NRAO-GB	F. J. Lockman	Halo HI Clouds: Distribution and Properties [F. J. Lockman]	L	PD	1 2	19.00
GBT03A-015	Lane, W.M. Kanekar, N. Ellison, S.E. Chengalur, J.	Naval Research Lab Kapteyn Astronomical Institute European Southern Observatory NCRA (TIFR)	A. Minter F. D. Ghigo	A Search for 21cm Absorption in High Redshift Damped Lyman-Alpha Absorbers [W.M. Lane]	4	P	3 4 5 7 8	17.25
GBT03A-016	Stairs, I. Manchester, D.R. N. Lyne, A. G.	University of British Columbia Australia Telescope NRAL	G. I. Langston	The Physics of a Massive Pulsar System [I. Stairs]	L	BP	4	2.25
GBT03A-019	Swift, J Welch, W. J. Di Francesco, J.	UC Berkeley (Astronomy) University of California National Research Council Canada	F. D. Ghigo	Possible Pre-stellar Core in L1551 [J Swift]	K	S	6 7 10 11	16.00
GBT03A-023	Stairs, I. Thorsett, S. Arzoumanian, Z.	University of British Columbia University of California, Santa Cruz NASA/GSFC	G. I. Langston	Timing Binary Pulsars at the GBT [I. Stairs]	L	P	25	5.00
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	G. I. Langston	Timing the Pulsars in the Globular Cluster M30 [S. Ransom]	LS	B	4	4.00
GBT03B-016	Walsh, A.J. 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	A. Minter	A Complete Picture of Cluster Formation in NGC 1333 [A.J. Walsh]	K	S	3 4	8.00
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	F. D. Ghigo	Timing of a Millisecond Pulsar Discovered in a Survey of Mid-Latitude EGRET Error Boxes [M. Roberts]	L8	B	22	1.75
GBT03B-027	Butner, H. M. Charnley, S.B.	Arizona Radio Observatory NASA/Ames Research Center	A. Minter G. I. Langston	K-band Search for Quinoline and Isoquinoline [H. M. Butner]	K	S	11 12 15 16 17 18	48.00

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	Kuan, Y. J. Ehrenfreund, P. Botta, O. Kisiel, Z. Despois, D.	Academia Sinica Leiden University Leiden University Institute of Physics, Polish Academy of Sciences Universite de Bordeaux						
GBT03C-006	Bergin, E. Wilner, D.	Harvard-Smithsonian Center for Astrophysics Center for Astrophysics	R. Maddalena F. D. Ghigo	A Search for Ammonia in Proto-planetary Disks [E. Bergin]	K	S	12 13 16 17 21 22	35.50
GBT03C-007	Roberts, M. Ransom, S. Camilo, F. Kaspi, V. Romani, R. W.	McGill University (Physics Dept) McGill University Columbia Astrophysics Laboratory McGill University Stanford University	F. D. Ghigo	Deep Pulsation Searches of Two Galactic Gamma-ray Sources [M. Roberts]	L	B	6 8	17.50
GBT03C-012	Braatz, J. A. Henkel, C.	NRAO Max-Planck-Institut fur Radioa	J. A. Braatz	Follow-Up Observations of Extragalactic H2O Masers Discovered with the GBT [J. A. Braatz]	K	S	14 30	9.50
GBT03C-018	Mayo, E. Troland, T. H. Crutcher, R. M.	University of Kentucky University of Kentucky University of Illinois	A. Minter K. O'Neil	A critical test of magnetic effects in star formation [E. Mayo]	L	P	10 13 14 15 16 17 19	49.75
GBT03C-024	Troland, T. H. Benjamin, R.	University of Kentucky University of Wisconsin at Madison (Physics)	K. O'Neil A. Minter	The magnetic field in high-velocity HI clouds [T. H. Troland]	L	P	9 10 12 13 18 19 20	63.25
GBT03C-031	Jacoby, B. Anderson, S. Kulkarni, S. R. Kaplan, D.L. 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	31	8.25
GBT03C-041	Ransom, S. Ramachandran, R. Kaspi, V. Demorest, P. Backer, D. C. Arons, J.	McGill University UC Berkeley (Astronomy) McGill University UC Berkeley (Physics) University of California, Berkeley UC Berkeley (Astronomy)	G. I. Langston	RRS Observations of the Double Binary Pulsar J0737-3039 [S. Ransom]	LS4	B	1	7.75
Comm	Ghigo			Q band Comm	Q	S	22	5.50
Comm	Ghigo			Q band comm			1	10.25
Maint	NRAO staff			Maintenance			5 9 13 16 20 22 27 30	70.50
Setup	NRAO staff			Observation setup	4LK8CS	SPspDB	1 2 3 4 5 6 7 8 9 10 11 12 13	65.00

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							14	15	16	17	
Tests	O'Neil Jacoby			BCO CPSR2 tests	L	B	22	23			4.00
Tests	Norrod			BL tests	LXKQ	DSP	5	6	8		6.50
Tests	Norrod			Baselines	QKLC SXU	DSP	26				3.50
Tests	Jacoby			CGSR2 tests	L	B2	26				2.00
Tests	Radziwill			M&C tests	L	S	5				2.00
Tests	Radziwill			New M&C Vers	LCSX	DSP	12				1.00
Tests	Ghigo			PCO 2A35	K	S	7				4.00
Tests	O'Neil			PCO 2A66	K	S	11				9.00
Tests	Ghigo			PCO 3C2	KC	S	7				3.25
Tests	Ghigo			PCO*4 3C1	4	O	8				4.50
Tests	Prestage			PTCS tests	Q	DSP	29				3.25
Tests	Ghigo			Q band fringe chk	Q	V	5				4.50
Tests	Norrod			Q baselines	Q	DSP	29				8.25
Tests	Fisher			RFI tests	L	PD	27				3.75
Tests	O'Neil			Spigot	L	SG	14				4.50
Total Hrs	Astronomy	528.75									
	Setup	65.00									
	Commissioning	15.75									
	Maintenance	70.50									
	Un-assigned										
	Tests	64.00									

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