

# GBT Observing Schedule for February 2003

Proposal	Investigators	Institute	NRAO Friend	Title	Bands	Back Ends	Days *	Hrs *
BB155	Ball, G. H. Moran, J. M. Greenhill, L. J.	Harvard-Smithsonian CfA CfA Harvard-Smithsonian	F. D. Ghigo	H2O Maser in M51 - Phased reference observations of M51 AGN [G. H. Ball]	K	V	28	2.00
GBT01A-014	Braatz, J. A. Greenhill, L. J.	NRAO Harvard-Smithsonian	R. Maddalena	Detecting High-Velocity Masers to Reveal Nuclear Disks in Nearby AGNs [J. A. Braatz]	K	S	(12 15 16 18)	(42.75)
GBT02A-008	Roberts, M. S. Maddalena, R. Haynes, M. P. Hogg, D. E.	NRAO-CV NRAO-Green Bank Cornell University NRAO-CV	R. Maddalena	A Study of the Hydrogen Reservoir Surrounding Galaxies [M. S. Roberts]	L	S	9 14 16 [5 6 7 8 9 10 11 12 14 15 16 17 18]	12.75 [117.50]
GBT02A-012	Minter, A. Balsler, D.	NRAO - Green Bank NRAO - Green Bank	D. Balsler	Probing HI Structure On Sub-A.U. - A.U. Scales: Hydrodynamical or MHD Turbulence? [A. Minter]	L	P	17	1.00
GBT02A-031	Lockman, F. J.	NRAO-GB		Galactic HI Mapping of X-Ray, UV, and Optical Deep Fields [F. J. Lockman]	L	SP	21 [19 20 21 24 25 26]	4.00 [36.75]
GBT02A-049	Backer, D. C. Stairs, I. Nice, D. Lommen, Andrea	University of California, Berkeley University of British Columbia Princeton University University of California, Berkeley	G. I. Langston	Exploration Of Millisecond Pulsar Timing Stability [D. C. Backer]	LS48	CB	7 8 14 15	24.00
GBT02A-052	Stairs, I. Manchester, R. N. Lyne, A. G.	University of British Columbia Australia Telescope NRAL	F. D. Ghigo G. I. Langston	Continued Multifrequency Monitoring of a Massive Pulsar System [I. Stairs]	LS468	BP	6 21	8.00
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	A. Minter	Studying PSR J2229+6114: an Energetic Gamma-ray Emitting Young Pulsar [F. Camilo]	L	B	22	1.50
GBT02B-010	Henkel, C. Braatz, J. A. Carilli, C. L. Lubowich, D. A. Millar, T.	Max-Planck-Institut fur Radioa NRAO NRAO American Institute of Physics UMIST	R. Maddalena	The Kinetic Temperature of a Molecular Cloud at z=0.9 (NH3) [C. Henkel]	U	S	(23)	(6.00)
GBT02B-019	Stairs, I. Ransom, S. Kaspi, V. Hessels, J. Backer, D. C. Lorimer, D.	University of British Columbia McGill University McGill University McGill University University of California, Berkeley University of Manchester	G. I. Langston	Timing of Newly Discovered Globular Cluster Pulsars [I. Stairs]	L8	B	22	8.00
GBT02B-021	Chandler, A. Jacoby, B. Anderson, Stuart Kulkarni, S. R. Prince, T. A.	Caltech Physics Caltech Astronomy Caltech Physics Caltech Caltech	A. Minter	Timing the Six Millisecond Pulsars in M62 [B. Jacoby]	L	B	14	6.00

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

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	Backer, D. C.	University of California, Berkeley						
GBT02C-023	Lockman, F. J.	NRAO-GB	F. J. Lockman	A Study of the HI Clouds in the Galactic Halo [F. J. Lockman]	L	SPD	[9 15 16 17 19 20 24 25 26]	[60.25]
GBT02C-033	Liszt, H. Gerin, M. Lucas, R.	NRAO-CV Ecole Normale Superieure IRAM (Grenoble)	F. D. Ghigo	Search for C4H absorption in diffuse clouds at 19 GHz [H. Liszt]	K	S	(7 8 9)	(37.50)
GBT02C-034	Camilo, F. Stairs, I. Lorimer, D. Backer, D. C. Ransom, S.	Columbia Astrophysics Laboratory University of British Columbia University of Manchester University of California, Berkeley McGill University	A. Minter	Timing observations of the young pulsar in supernova remnant 3C58 [F. Camilo]	8L	B	22	4.00
GBT03A-001	Petrie, P Turner, B. Dunbar, R. C.	Australian National University NRAO-CV Case Western Reserve University	F. D. Ghigo	A Search For MgNC In Tmc [B. Turner]	K	SP	(19 21 23)	(24.00)
GBT03A-027	Ransom, S. Kaspi, V.	McGill University McGill University	G. I. Langston	Confirmation observations of a Newly Discovered Pulsar [S. Ransom]	L8	B	22	2.00
Comm	Ghigo			Obs Checkout	K	S	(10 11 14 17 19 25 26 28)	(75.00)
Comm	O'Neil			Spect checkout	K	S	(20 23 24 28)	(24.75)
Comm	Maddalena Ghigo O'Neil			Training & Obs checkout			(5 6 7)	(19.75)
Shutdown	NRAO staff			Un-assigned Shutdown			1 2 3 4 5	64.00
Maint	NRAO staff			Maintenance			1 2 3 4 5 6 7 10 11 12 13 18 19 20 24 25 26 27 28	164.25
Setup	NRAO staff			Observation setup	KLS48U	VSPCB	6 7 9 14 16 17 21 22 28 (7 8 9 12 15 16 19 21 23)	12.75 (10.00)
Tests	Norrod Fisher Balser			Baseline tests	LCSKU	DPS	6 11 13 18 20 24 25 27	57.00
Tests	Maddalena & Norrod			K band tests	K	S	14	3.50

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Tests	Minter			M&C Reg tests	LKSCXU	DSP	10	8.00
Tests	Prestage			PTCS tests	LCSXKU	DSP	12 13 26 27	31.00
Tests	Constantikes			Vibration tests			14	2.25
Total Hrs	Shutdown	64.00						
	Astronomy	183.50	214.50					
	Setup	22.75						
	Commissioning	119.50						
	Maintenance	164.25						
	Un-assigned	16.25						
	Tests	101.75						

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