

# GBT Observing Schedule for February 2004

Proposal	Investigators	Institute	NRAO Friend	Title	Bands	Back Ends	Days *	Hrs *
GBT01A-054	Langston, G. I. Bastian, T. S.	NRAO-GB NRAO	G. I. Langston	Search for Cyclotron Emission from known Extra-Solar Planets [G. I. Langston]	3	S	[15 16 17 18]	[47.75]
GBT01A-058	Briggs, F. H. de Bruyn, A. G. Chengalur, J. Kanekar, N. Lane, W.M. Vermeulen, R. Little, B.	ANU NFRA NCRA (TIFR) Kapteyn Astronomical Institute Naval Research Lab Stichting ASTRON Australian National University	F. D. Ghigo G. I. Langston	High redshift Damped Lyman Alpha Systems against background Radio Galaxies [F. H. Briggs]	3	PS	9 14 [10 11 12 13 14]	8.50 [56.25]
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	G. I. Langston K. O'Neil	A blind search for redshifted HI 21cm Absorption [W.M. Lane]	3	SP	[15 16 18 19]	[17.00]
GBT02A-025	Hollis, J. M. Jewell, P. R. Lovas, F. J. Mollandal, H.	NASA/GSFC NRAO-GB National Institute of Standards and Technology University of Oslo	R. Maddalena	A Search for the Next Interstellar Aldehyde Sugar: Glyceraldehyde [J. M. Hollis]	UK	S	(25 27 28 29)	(43.75)
GBT02A-028	Braatz, J. A. Langston, G. I. McMullin, J. Garwood, R.	NRAO NRAO-GB NRAO-CV NRAO-CV	J. A. Braatz	Exploring the Radio Spectrum of Orion A and W51 [J. A. Braatz]	LUKQ	S	[4 6]	[7.00]
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	[7 8 22]	[24.50]
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	(24)	(3.25)
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	1 (3 5 21 23 24 26)	3.50 (16.25)
GBT02A-069	Fisher, R.	NRAO Green Bank Facility		Galaxy Survey of HI emission [R. Fisher]	L	SP	[1]	[1.50]
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	(1 2 3 4 6 7 8 9 10 11 12 13 14 15 16 17 18)	(187.50)
GBT03A-006	Kronberg, P. P. Perley, R. A. Giovannini, G. Ensslin, T. Kassim, N. E.	Los Alamos Labs NRAO - Socorro Istituto di Radioastronomia Max-Planck-Institut fuer Astro NRL	G. I. Langston	Proposal to search for diffuse low frequency synchrotron-radiating extensions of the Coma Cluster [P. P. Kronberg]	3	S	[19 20]	[10.25]

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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GBT03A-015	Lane, W.M. Kanekar, N. Ellison, S.E. Chengalur, J.	Naval Research Lab Kapteyn Astronomical Institute European Southern Observatory NCRA (TIFR)	K. O'Neil	A Search for 21cm Absorption in High Redshift Damped Lyman-Alpha Absorbers [W.M. Lane]	3	P	[18 19 20]	[6.00]
GBT03A-016	Stairs, I. Manchester, D.R. N. Lyne, A. G.	University of British Columbia Australia Telescope NRAL	A. Minter	The Physics of a Massive Pulsar System [I. Stairs]	L	BP	[21 23]	[4.50]
GBT03B-013	Yun, M. Schneider, S. E. Brinks, E. Bravo-Alfaro, H.	University of Massachusetts University of Massachusetts INAOE Universidad de Guanajuato, Mexico	G. I. Langston	An Unbiased HI Survey of the Coma Cluster and Beyond [M. Yun]	L	S	[1 2 3 4 5 6 7]	[61.50]
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	A. Minter	Timing the Pulsars in the Globular Cluster M30 [S. Ransom]	LS	B	[21 23]	[8.00]
GBT03B-027	Butner, H. M. Charnley, S.B. Kuan, Y. J. Ehrenfreund, P. Botta, O. Kisiel, Z. Despois, D.	Arizona Radio Observatory NASA/Ames Research Center Academia Sinica Leiden University Leiden University Institute of Physics, Polish Academy of Sciences Universite de Bordeaux	A. Minter	K-band Search for Quinoline and Isoquinoline [H. M. Butner]	K	S	(7 8 9 10 11 12 13 14)	(63.50)
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 [1]	14.00 [2.50]
GBT03C-009	Darling, J.	Carnegie Institution of Washington (Headquartes)	A. Minter	A Direct Measurement of Fine Structure "Constant" Evolution from OH and HI Absorption Lines [J. Darling]	3	S	[14 16]	[15.75]
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	1	1.50
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	BS2	28	7.00
GBT04A-045	Roberts, M. Hessels, J. W. T. Ransom, S. Kaspi, V. Tam, C.R.	McGill University (Physics Dept) McGill University McGill University McGill University McGill	A. Minter	Timing of Three Binary Pulsars Discovered in a Survey of Mid-Latitude EGRET Error Boxes [M. Roberts]	L8	BG	29	1.75

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	Livingstone, M. Backer, D. C. Crawford, F. Kaplan, D.L.	McGill University of California, Berkeley Haverford College Caltech						
GG053	Garrett, M. Garrington, S. T. Muxlow, T. W. B.	JIVE NRAL NRAL	F. D. Ghigo	High resolution radio observations of the Hubble Deep Field Region. [M. Garrett]	L	V	20 21 22 23	36.00
Comm	NRAO staff			Q band tests	Q	S	(15 16 17 19)	(42.75)
Maint	NRAO staff			Maintenance			[3 4 5 6 10 11 12 13 17 18 19 20 24 25 26 27]	[140.50]
Not Sched	NRAO staff						(28)	(1.50)
Setup	NRAO staff			Observation setup	3468UKLQS	SPB2GV	1 2 9 14 20 21 22 28 29 [1 2 3 4 5 6 7 8 10 11 12 13 14 15 16 17 18 19 20 21 22 23] (1 2 3 5 6 7 8 9 10 11 12 13 14 15 16 17 21 23 24 25 26 27 28)	10.00 [35.00] (35.50)
Tests	TBD			General tests	LCSXUKQ	DSP	(4 5 6 18 19 20)	(95.25)
Tests	Fleming			MC Integ	CKQUS	DSP	9	4.00
Tests	Braatz			MC Reg	CKQUS	DSP	[7 8 9]	[24.00]
Tests	Fleming			MC v4.1 Release	CKQUS	DSP	14	2.00
Tests	Balser Rood			PCO 2A41	X	DSP	26 27 28	17.00
Tests	Ghigo			PCO 3C1	L	O	[3 5] (3 5)	[9.00] (10.00)
Tests	Prestage			PTCS	QKUXSCL	DSP	(21 22 23 24 25 26 29)	(91.50)
Tests	Minter			RCO*3	3	DSP	[7 8]	[6.00]
Tests	Langston			RCO*8	8	DSP	[27 28]	[6.00]

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Total Hrs	Astronomy	386.50	262.50					
	Setup	45.50	35.00					
	Commissioning	42.75						
	Maintenance		140.50					
	Un-assigned	1.50						
	Tests	219.75						

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