

# GBT Observing Schedule for May 2004

Proposal	Investigators	Institute	NRAO Friend	Title	Bands	Back Ends	Days *	Hrs *
BB183	Bower, G. C. Anderson, J. Zhao, J-H Goss, W. M. Falcke, H. Backer, D. C.	UC Berkeley Rice University Harvard Smithsonian CfA NRAO-SOC MPIfR University of California, Berkeley		Intrinsic Size and Morphology of Sgr A* [G. C. Bower]	Q	V	16	6.00
GBT01A-064	Cordes, J. M. Lazio, T. J. McLaughlin, M. Backer, D. C. Chatterjee, S. Kassim, N. E.	NAIC and Cornell University Naval Research Laboratory University of Manchester University of California, Berkeley Cornell University NRL		Search for Pulsars from Point Sources in the Galactic Center [J. M. Cordes]	X	BG	1 2 3 4 5 6 8 10	41.50
GBT02A-046	Braatz, J. A. Henkel, C. Wilson, A. S.	NRAO Max-Planck-Institut fur Radioa University of Maryland		Monitoring a Maser Disk in Mrk 1419 [J. A. Braatz]	K	S	(20 24)	(8.00)
GBT02A-063	Claussen, M. J. Wootten, H. A. Marvel, K. Wilking, B. A.	NRAO-SOC NRAO-CV American Astronomical Society University of Missouri		Water Maser Monitoring of Low and Intermediate Mass Young Stellar Objects [M. J. Claussen]	K	S	9 (24 25 26 27)	5.50 (10.00)
GBT02B-005	Yusef-Zadeh, F. Roberts, D.A. Maddalena, R.	Northwestern University North Western University NRAO-Green Bank		Search for Positronium Recombination Maser Line Emission Toward the Galactic center [F. Yusef-Zadeh]	LX	S	15 17 18 19 [21]	25.50 [6.00]
GBT02C-002	Carilli, C. L. Stocke, J. T. Menten, K. M. Langston, G. I. Rector, T.A. Dwarakanath, K. S.	NRAO University of Colorado Max-Planck-Institut Fur Radioa NRAO-GB NRAO-AOC NRAO-AOC	R. Maddalena	Redshifted HI 21cm Absorption towards Red Gravitational Lenses (J0134-0931, J1004+1229) [C. L. Carilli]	A	S	9	9.50
GBT02C-043	Finkbeiner, D. Heiles, C. E. Schlegel, D. Frank, C.	Princeton University (Astrophysics) University of California Princeton University (Astrophysics) University of Maryland		Microwave Emission from Spinning Dust [D. Finkbeiner]	XUK	S	(11 12 13 14 15 16)	(65.50)
GBT03A-014	Lockman, F. J.	NRAO-GB	F. J. Lockman	Halo HI Clouds: Distribution and Properties [F. J. Lockman]	L	PD	[10 11 22 23 29]	[35.00]
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	[12 14]	[4.50]
GBT03B-011	Widicus, S. Blake, G.	Caltech Caltech		A search for sugars in hot cores [S. Widicus]	QK	SP	(10 11 12 13 14)	(31.50)

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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	Braakman, R.	Caltech						
GBT03B-012	Brogan, C.L. Johnson, K. Claussen, M. J.	JCMT Univ Wisconsin NRAO-SOC		Search for "Kilojansky" Water Masers in Four Starburst Galaxies [C.L. Brogan]	K	S	2 3 4 5 6	28.25
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	[10]	[3.50]
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		Timing the Pulsars in the Globular Cluster M30 [S. Ransom]	LS	B	15	3.50
GBT03C-002	Arzoumanian, Z. Nelemans, G. Rupen, M. P.	NASA/GSFC Cambridge University NRAO - NM		The Radio Properties of the Shortest-Period Binaries Known [Z. Arzoumanian]	CK	D	8 9	14.50
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		Timing the pulsars in M62, NGC 6544, and NGC 6624 and Search for Ultra-fast pulsars [B. Jacoby]	L8	BS	25	7.00
GBT04A-008	O'Neil, K.	NRAO - GB		New HI Galaxy Standards [K. O'Neil]	L	S	[11 12 13 14]	[27.25]
GBT04A-019	Henkel, C. Braatz, J. A. Menten, K. M. Carilli, C. L.	Max-Planck-Institut fur Radioa NRAO Max-Planck-Institut Fur Radioa NRAO	J. A. Braatz	Molecular Line Absorption in a Distant Radio Source [C. Henkel]	U	S	(21 22 23)	(21.00)
GBT04A-022	Moore, T. Porter, J. Jones, H.	Liverpool John Moores University Liverpool John Moores University Liverpool John Moores University		Variations in star-formation efficiency in the W3 GMC [T. Moore]	K	S	1 2 4	26.25
GBT04A-030	Stairs, I. Thorsett, S. Arzoumanian, Z. Ferdman, R.	University of British Columbia University of California, Santa Cruz NASA/GSFC University of British Columbia		High-Precision Timing of Binary Pulsars at the GBT [I. Stairs]	L	PG	[29 30]	[4.00]
GBT04A-045	Roberts, M. Hessels, J. W. T. Ransom, S. Kaspi, V. Tam, C.R. Livingstone, M. Backer, D. C.	McGill University (Physics Dept) McGill University McGill University McGill University McGill McGill University of California, Berkeley		Timing of Three Binary Pulsars Discovered in a Survey of Mid-Latitude EGRET Error Boxes [M. Roberts]	L38	BG	[24 26]	[4.00]

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	Crawford, F. Kaplan, D.L.	Haverford College Caltech						
GBT04A-050	Lane, W.M. Fisher, R. Darling, J.	Naval Research Lab NRAO Green Bank Facility Carnegie Institution of Washington (Headquartes)	R. Fisher	Feasibility Study for a Measurement of Variable Redshifted 21cm Absorption [W.M. Lane]	A	P	4 5	4.25
GBT04B-025	Butler, B. Wootten, H. A. Palmer, P.	NRAO-Soc NRAO-CV University of Chicago		Observing NH3 and OH in Comets Q4 NEAT and T7 LINEAR [B. Butler]	K	S	21 22 23 24 28 29 30 31	85.25
Shutdown	NRAO staff			Un-assigned Shutdown			19 20 26 27	26.00
Calibratio	Ghigo Kovalev			System Cal	LCSKUQX	DSP	3	6.75
Maint	NRAO staff			Maintenance			5 6 17 18 19 20 24 25 26 27 [11 12 13 14]	105.50 [35.50]
Not Sched	NRAO staff						(16 25 26)	(5.75)
Setup	NRAO staff			Observation setup	QXKLAUSC83	VBGSPD	1 2 3 4 5 6 8 9 10 14 15 16 17 18 19 21 22 23 24 28 29 30 31 [10 11 12 13 14 20 22 23 24 25 26 29 30] (10 11 12 13 14 15 16 20 21 22 23 24 25 26 27)	34.00 [16.00] (19.00)
Tests	Ghigo			API tests	LCSXKUQ	DSP	[20 24 26] (22 23)	[18.00] (7.00)
Tests	Fleming			M&C Integ	LCSXKUQ	DSP	17 18 [11 12 13 14]	7.25 [14.50]
Tests	Braatz			M&C Reg tests	LCSXKUQ	DSP	[15 16]	[23.50]
Tests	Fisher			PCO PF2	A	DSP	8	4.50
Tests	Prestage			PTCS Ptg	CXKLUQS	DSP	(27 28)	(13.50)
Tests	NRAO staff			PTCS Tests	KCXSU	DSP	(29 30)	(21.50)
Tests	Prestage			PTCS tests	LCSXKU	DSP	6 7	24.00

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Tests	tdb			RCO 800MHz	8	DSP	[15 16]	[6.00]
Tests	Mason			RCO Ka band	B	DSP	7 8 (10 11 12 13 14 15 16 18 21 24 26 31)	8.00 (55.75)
Tests	tdb			RCO PF2	A	DSP	1 2 4	12.50
Tests	Lacasse Ford			Spigot tests	L	SG	[10]	[5.00]
Tests	Lacasse Kaplan			Spigot tests	L	SG	[10]	[6.00]
Total Hrs	Shutdown	26.00						
	Astronomy	393.00	84.25					
	Setup	53.00	16.00					
	Calibration	6.75						
	Maintenance	105.50	35.50					
	Un-assigned	5.75						
	Tests	154.00						

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