

# 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	24	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		Water Maser Monitoring of Low and Intermediate Mass Young Stellar Objects [M. J. Claussen]	K	S	9 24 27	10.50
GBT02A-069	Fisher, R.	NRAO Green Bank Facility		Galaxy Survey of HI emission [R. Fisher]	L	SP	12 13 [28 30 31]	4.00 [16.50]
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 [28]	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	12 13 14 16	39.00
GBT03A-014	Lockman, F. J.	NRAO-GB	F. J. Lockman	Halo HI Clouds: Distribution and Properties [F. J. Lockman]	L	PD	23 26 27 [29]	20.00 [7.00]
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	13	2.25

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

# GBT Observing Schedule for May 2004

Proposal	Investigators	Institute	NRAO Friend	Title	Bands	Back Ends	Days *	Hrs *
GBT03B-011	Widicus, S. Blake, G. Braakman, R.	Caltech Caltech Caltech		A search for sugars in hot cores [S. Widicus]	QK	SP	10 11 12 13	10.00
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	25 [31]	4.50 [2.25]
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	14	5.75
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	14.50
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.	McGill University (Physics Dept) McGill University McGill University McGill University McGill		Timing of Three Binary Pulsars Discovered in a Survey of Mid-Latitude EGRET Error Boxes [M. Roberts]	L8	BG	26	2.00

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

# GBT Observing Schedule for May 2004

Proposal	Investigators	Institute	NRAO Friend	Title	Bands	Back Ends	Days *	Hrs *
	Livingstone, M. Backer, D. C. Crawford, F. Kaplan, D.L.	McGill University of California, Berkeley 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
GBT04A-051	Remijan, A. Hollis, J. M. Jewell, P. R.	NASA/Goddard NASA/GSFC NRAO-GB		Confirming Ethylene Glycol in Comets LINEAR and NEAT [A. Remijan]	U	S	20 26	8.00
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	13.00
Calibratio	Ghigo Kovalev			System Cal	LCSKUQX	DSP	3	6.75
Maint	NRAO staff			Maintenance			5 6 11 14 17 18 19 20 24 25 26 27	120.25
Setup	NRAO staff			Observation setup	QXKLAUSC83	VBGSPD	1 2 3 4 5 6 8 9 10 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 [27 28 29 30 31]	55.00 [8.00]
Tests	Fleming			M&C Integ	LCSXKUQ	DSP	11 12 17 18	15.42
Tests	Braatz			M&C Reg tests	LCSXKUQ	DSP	15	10.00
Tests	Ghigo			PCO 4A46	L	SPD	15 16	2.00
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

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

# GBT Observing Schedule for May 2004

Proposal	Investigators	Institute	NRAO Friend	Title	Bands	Back Ends	Days *	Hrs *
Tests	tbd			RCO 800MHz	8	DSP	15	2.25
Tests	Mason			RCO Ka band	B	DSP	7 8 10 11 12 13 18 21 22 24 26 (31)	51.25 (10.25)
Tests	tbd			RCO PF2	A	DSP	1 2 4	12.50
Tests	Jewell Minter			RCO Q band	Q	SDP	16	2.75
Tests	O'Neil			Spigot tests	L	SG	13 14	3.00
Total Hrs	Shutdown	13.00						
	Astronomy	376.00	35.75					
	Setup	55.00	8.00					
	Calibration	6.75						
	Maintenance	120.25						
	Un-assigned							
	Tests	172.92						

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