

# GBT Observing Schedule for July 2003

Proposal	Investigators	Institute	NRAO Friend	Title	Bands	Back Ends	Days *	Hrs *
BF073	Fomalont, E. B. Geldzahler, B. J. Bradshaw, C. Fender, R.P. van der Klis, M. DiSalvo, T. Stella, L.	NRAO-CV George Mason University George Mason University University of Amsterdam University of Amsterdam University of Virginia Osservatorio Astronomico di Br	F. D. Ghigo	VLBI / INTEGRAL 48 Hour Observations of Sco X-1 [E. B. Fomalont]	X	V	30 31	15.00
GBT01A-007	Heiles, C. E.	University of California	K. O'Neil	Direct Measurement Of The Magnetic Field In M31 Using Zeeman Splitting [C. E. Heiles]	L	S	24 25 26	48.00
GBT01A-057	Chatterjee, S. Cordes, J. M. Lazio, T. J. Goss, W. M. Fomalont, E. B. Benson, J. Stairs, I. Briskin, W.F. Thorsett, S.	Cornell University NAIC and Cornell University Naval Research Laboratory NRAO-SOC NRAO-CV NRAO-SOC University of British Columbia Princeton University University of California, Santa Cruz	F. D. Ghigo	Neutron Star Kinematics: VLB Pulsar Parallaxes with the GBT [S. Chatterjee]	L	SV	19	6.00
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	2	2.00
GBT02A-028	Braatz, J. A. Langston, G. I. McMullin, J. Garwood, R.	NRAO NRAO-GB NRAO-CV NRAO-CV	G. I. Langston	Exploring the Radio Spectrum of Orion A and W51 [J. A. Braatz]	3LSCXU	S	5	5.25
GBT02A-030	Nord, Michael Lazio, T. J. Kassim, N. E.	Naval Research Laboratory Naval Research Laboratory NRL	G. I. Langston	Imaging the Galactic Center at 330 MHz. [Michael Nord]	3	P	2 3 4	14.00
GBT02C-009	Heiles, C. E. Robishaw, T.	University of California University of California at Berkeley	K. O'Neil	The Global Galactic Magnetic Field inside the Solar Circle [C. E. Heiles]	L	SP	23 24 27 28	21.00
GBT02C-010	Heiles, C. E. Robishaw, T.	University of California University of California at Berkeley	K. O'Neil	Zeeman splitting of the 21-cm emission line of the Warm Neutral Medium [C. E. Heiles]	L	SP	26 27	10.00
GBT02C-013	Crutcher, R. M. Troland, T. H. Sarma, A.	University of Illinois University of Kentucky University of Illinois at Urbana-Champaign	K. O'Neil	Magnetic Fields in High-Density Cores: Excited OH Zeeman Observations [R. M. Crutcher]	C	SD	27 28 29	24.00
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	7 8 11 12 13 18 19	47.50
GBT02C-034	Camilo, F. Stairs, I. Lorimer, D.	Columbia Astrophysics Laboratory University of British Columbia	A. Minter	Timing observations of the young pulsar in supernova remnant 3C58 [F. Camilo]	8L	B	29	4.00

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. Ransom, S.	University of Manchester University of California, Berkeley McGill University						
GBT02C-046	Troland, T. H. Heiles, C. E.	University of Kentucky University of California	K. O'Neil	The strength and structure of the Galactic-wide magnetic field (HI Zeeman) [T. H. Troland]	L	P	21 22 23	22.00
GBT02C-059	Wannier, P. G. Vastel, C. Brogan, C.L.	JPL Caltech Submillimeter Observatory NRAO New Mexico Facilities	D. Balsler	HI spin temperature determination towards W49N and W31C [P. G. Wannier]	L	S	2	2.00
GBT02C-060	Nice, D. Stairs, I. Arzoumanian, Z.	Princeton University University of British Columbia NASA/GSFC	F. D. Ghigo	Pulsar Orbital Velocities from Scintillation Measurements [D. Nice]	3	PB	4 5 6	22.00
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	F. D. Ghigo	Proposal to search for diffuse low frequency synchrotron-radiating extensions of the Coma Cluster [P. P. Kronberg]	3	S	6	4.25
GBT03A-014	Lockman, F. J.	NRAO-GB	F. J. Lockman	Halo HI Clouds: Distribution and Properties [F. J. Lockman]	L	PD	8 9 10 13 14 15 16	55.00
GBT03A-016	Stairs, I. Manchester, 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	6 7	2.25
GBT03A-023	Stairs, I. Thorsett, S. Arzoumanian, Z.	University of British Columbia University of California, Santa Cruz NASA/GSFC	F. D. Ghigo	Timing Binary Pulsars at the GBT [I. Stairs]	L	P	1 6	3.00
GBT03B-015	Ransom, S. Stairs, I. Kaspi, V. Hessels, J. 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]	L8S	B	1 30	11.00
GBT03B-038	Beaulieu, S. Freeman, K. Lockman, F. J.	Universite Laval Australian National University NRAO-GB	F. J. Lockman	Observations of HI in Two Dwarf Spheroidal Galaxies [S. Beaulieu]	L	P	13	2.00
Comm	Minter Turner			Obs checkout	X	S	4 6	16.00
Comm	Maddalena			PF2 Comm and Holography	DSP	A	12	11.00
Comm	Ghigo			PF2 Comm	A	DSP	13 18 19	29.50
Comm	Langston Mason			SDSS	LCSXU	DSP	5 7	11.25

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Maint	NRAO staff			Maintenance			1 2 3 7 8 9 10 14 15 16 17 21 22 23 24 28 29 30 31	224.00
Setup	NRAO staff			Observation setup	XL3SCU8	VSPDB	1 2 3 4 5 6 7 8 9 11 12 13 14 15 18 19 21 22 23 24 27 28 29 30 31	33.00
Tests	Norrod			Basline tests	LCSXUK	DSP	1	5.00
Tests	Maddalena			Holography	A	DSP	19 20	8.00
Tests	Ghigo			MIT RFI tests	3	DSP	3 4	7.00
Tests	Ghigo			MIT RFI	A	DSPO	18	6.00
Tests	Prestage Balsler			PTCS tests	LCSXU	DSP	6 10 11 16 17 20 21 31	73.00
Total Hrs	Astronomy Setup Commissioning Maintenance Un-assigned Tests	320.25 33.00 67.75 224.00 99.00						

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