

# GBT Observing Schedule for October 2003

Proposal	Investigators	Institute	NRAO Friend	Title	Bands	Back Ends	Days *	Hrs *
BU025	Ulvestad, J. Elvis, M.	NRAO CfA	F. D. Ghigo	Launching of the NGC 1068 Jet [J. Ulvestad]	X	V	3 4 5	25.00
GBT01A-014	Braatz, J. A. Greenhill, L. J.	NRAO Harvard-Smithsonian		Detecting High-Velocity Masers to Reveal Nuclear Disks in Nearby AGNs [J. A. Braatz]	K	S	20	2.50
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	10	2.00
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]	4LSCXK	S	20	4.00
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	2 9 12 14 17 18 [27 28 29 30 31]	48.00 [42.75]
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	22 25	6.25
GBT02A-063	Claussen, M. J. Wootten, H. A. Marvel, K. Wilking, B. A.	NRAO-SOC NRAO-CV American Astronomical Society University of Missouri	R. Maddalena	Water Maser Monitoring of Low and Intermediate Mass Young Stellar Objects [M. J. Claussen]	K	S	22 24 25 (28)	8.00 (2.00)
GBT02A-069	Fisher, R.	NRAO Green Bank Facility		Galaxy Survey of HI emission [R. Fisher]	L	SP	10 15 25 26	29.00
GBT02C-054	Braatz, J. A. Henkel, C. Wilson, A. S. Greenhill, L. J. Moran, J. M.	NRAO Max-Planck-Institut fur Radioa University of Maryland Harvard-Smithsonian CfA	J. A. Braatz	Measuring Nuclear Disks in NGC 1386 and IC 2560 (H2O) [J. A. Braatz]	K	S	23	3.25
GBT02C-062	Modjaz, M. Moran, J. M. Greenhill, L. J. Kondratko, P.T.	Harvard University CfA Harvard-Smithsonian Harvard University	J. A. Braatz F. D. Ghigo	Probing the Magnetic Field on Sub-Parsec Scales in the Accretion Disk of NGC 4258 (H2O Zeeman) [M. Modjaz]	K	S	23 24	15.50
GBT02C-065	Braatz, J. A. Henkel, C. Wilson, A. S.	NRAO Max-Planck-Institut fur Radioa University of Maryland	J. A. Braatz	A Search for Cosmologically Interesting H2O Megamasers [J. A. Braatz]	K	S	23 24 25 (27 28 29 31)	14.25 (29.25)
GBT03A-014	Lockman, F. J.	NRAO-GB	F. J. Lockman	Halo HI Clouds: Distribution and Properties [F. J. Lockman]	L	PD	1 8 17 19 [30 31]	22.50 [16.00]
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	9	2.25
GBT03B-005	Campbell, B. Campbell, D. B.	Smithsonian Institute Cornell University	F. D. Ghigo	High-Resolution 70-cm Radar Imaging of the Lunar South Pole: Searching for Evidence of Ice [B.	4	O	19 20 21	12.00

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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GBT03B-014	Stairs, I. Ransom, S. Kaspi, V. Hessels, J. W. T. Backer, D. C.	University of British Columbia McGill University McGill University McGill University University of California, Berkeley	A. Minter	Confirming the Pulsar Candidate in the Globular Cluster M80 [I. Stairs]	L8	B	4	9.25
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	A. Minter	Timing the Pulsars in the Globular Cluster M30 [S. Ransom]	LS	B	9 10	3.75
GBT03B-026	Roberts, M. Hessels, J. W. T. Ransom, S. Kaspi, V. Tam, R. Livingstone, Maggie Backer, D. C. Crawford, F.	McGill University (Physics Dept) McGill University McGill University McGill University McGill McGill University of California, Berkeley Haverford College	A. Minter	Timing of a Millisecond Pulsar Discovered in a Survey of Mid-Latitude EGRET Error Boxes [M. Roberts]	L8	B	5 13	1.75
GBT03B-037	Ransom, S. Ray, P.S. Kaspi, V. Dib, R.	McGill University Naval Research Lab McGill University McGill University	A. Minter	XTE J1807-294 Target of Opportunity [S. Ransom]	S	B	5	10.00
GBT03C-003	Stairs, I. McLaughlin, M. Kaspi, V. Lorimer, D. Kramer, M. Camilo, F. Gavriil, F. Backer, D. C.	University of British Columbia University of Manchester McGill University University of Manchester NRAL Columbia Astrophysics Laboratory McGill University University of California, Berkeley	A. Minter	A Deep Search for Pulsations from Two Anomalous X-ray Pulsars [I. Stairs]	8	B	11 12 13	24.00
GBT03C-010	Sahai, R. Claussen, M. J.	Jet Propulsion Laboratory NRAO-SOC	R. Maddalena	A Further Water Maser Survey in Planetary and Proto-planetary Nebulae [R. Sahai]	K	S	24 25 26 (29 30)	13.50 (10.75)
GBT03C-029	Camilo, F. Halpern, J. P. Helfand, D. J. Gotthelf, E.V. Ransom, S. Roberts, M.	Columbia Astrophysics Laboratory Columbia University Columbia University University of Columbia McGill University McGill University (Physics Dept)	A. Minter	Uncovering the pulsar in supernova remnant CTA1 [F. Camilo]	8	B	10 11	19.50
GU003	Ulvestad, J. Elvis, M.	NRAO CfA	F. D. Ghigo	NGC 1068: Identifying the Nucleus and Launching the Jet [J. Ulvestad]	XC	V	26 27 30 31	26.00

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Comm	O'Neil			K Band Comm	KQ	S	5 6 13 18	28.00
Comm	Maddalena			K band Comm	KQ	S	(31)	(3.50)
Comm	Maddalena			K band comm	Q	S	(30)	(8.75)
Maint	NRAO staff			Maintenance			1 2 6 7 8 10 14 15 16 20 21 22 27 28 29	131.75
Not Sched	NRAO staff						25	5.50
Setup	NRAO staff			Observation setup	XL4SCK8	VPSDBO	1 2 3 4 5 8 9 10 11 12 13 15 17 19 20 21 22 23 24 25 26 30 [27 28 29 30 31] (27 28 29 30 31)	38.25 [6.00] (6.00)
Tests	Kaplan			BCO Spigot cards tests	L	SG	28 31	7.00
Tests	O'Neil			BCO Spigot	L4	GSB	22	4.00
Tests	Norrod			Baselines tests	S	K	6 10 23	12.00
Tests	Norrod			Baseline tests	K	S	(29)	(4.50)
Tests	Mason			Integ tests	K	S	20	2.00
Tests	Minter			PCO 1A4	X	S	7 8 13 14	17.50
Tests	O'Neil			PCO 2C43	K	S	24	3.50
Tests	Langston			PCO 3A19	K	S	14 18	8.00
Tests	Ghigo			PCO 3C2	CK	S	21	3.50
Tests	Langston			PCO*4 1A61, 2C2	4	DSP	18 19	4.00
Tests	Langston			PCO*8 1A61	8	S	13	4.00
Tests	Langston			PCO*8 2C2	Q	S	8	4.75
Tests	Ghigo			PCO*8 2C38	L8	S	3	2.50

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Tests	Maddalena			PTCS Holography	H	DSP	6 7 16 17 20 21	33.75
Tests	Prestage			PTCS tests	LCUXK	DSP	2 3	24.00
Tests	Norrod			RCO	KLCSX	DSP	1	3.00
Tests	Minter Maddalena			RCO K band	K	S	15 16	9.75
Tests	Langston			RCO*4 @450MHz	4	DSP	15	5.50
Tests	Ghigo			RFI tests	4	DSP	19	6.00
Tests	Weadon			Servo Tests			8	4.00
Tests	Mello Ghigo			Soft Conifg tests	LCXSK	DSP	14	3.50
Tests	O'Neil			Spectrometer CO	K	S	1	7.00
Total Hrs	Astronomy	344.25	58.75					
	Setup	44.25	6.00					
	Commissioning	40.25						
	Maintenance	131.75						
	Un-assigned	15.25						
	Tests	173.75						

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