

# GBT Observing Schedule for October 2004

Proposal	Investigators	Institute	NRAO Friend	Title	Bands	Back Ends	Days *	Hrs *
GBT01A-004	Turner, B. Brown, B.R.L. Dennison, B. K. Minter, A.	NRAO-CV NRAO-CV Virginia Polytechnic Institute NRAO - Green Bank		A Search for the Fine Structure of the Hydrogen Atom [B. Turner]	X	S	(1 2 3 4 5)	(75.00)
GBT02A-035	Yun, M. Carilli, C. L. Rupen, M. P. Wootten, H. A. Bertoldi, F. Eales, S. Ivison, R. J.	University of Massachusetts NRAO NRAO - NM NRAO-CV MPIfR Cardiff University Astronomy Technology Centre		Cosmic Evolution of the Most Luminous Submm Galaxies [M. Yun]	KU	S	(15 16 17 18 19)	(83.50)
GBT02A-066	Hughes, D. H. Aretxaga, I. Gaztanaga, E. Chapin, E. L. Dunlop, J.S. Devlin, M.J.	Instituto Nacional de Astrofisica [INAOE] Instituto Nacional de Astrofisica, Optica y Electr Instituto Nacional de Astrofisica, Optica y Electr Instituto Nacional de Astrofisica, Optica y Electr Institute for Astronomy, University of Edinburgh University of Pennsylvania		Breaking the Redshift Deadlock: The Spectroscopic Redshift of HDF850.1, the Brightest Sub-millimetre Source in the Hubble Deep Field [D. H. Hughes]	K	S	(23 25 27 29 30)	(77.50)
GBT02B-004	Hunter, T. Zhang, Q. Tirupati, S.	Center for Astrophysics Harvard-Smithsonian Center for Astrophysics Harvard-Smithsonian Center for Astrophysics		Molecular tracers of high-mass protostellar accretion disks (NH <sub>3</sub> , CH <sub>3</sub> C <sub>3</sub> N, CH <sub>3</sub> OH) [T. Hunter]	K	S	(5 6 7 8)	(16.00)
GBT02B-020	Benford, D. Hunter, T. Staguhn, J	NASA/Goddard Space Flight Center Center for Astrophysics NASA/Goddard Space Flight Center		Search for Low Excitation Molecular Gas in High Redshift Quasars (CO) [D. Benford]	K	SD	(7 8 10)	(21.00)
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	(13 15)	(16.00)
GBT03B-019	Li, D. Goodman, A. A. Goldsmith, P. F. Schnee, S.	Harvard-Smithsonian Center for Astrophysics Center for Astrophysics Cornell University Harvard-Smithsonian Center for Astrophysics		The GBT HI Narrow Self Absorption Survey of Star Forming Regions [D. Li]	L	S	24	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

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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	BS	[16 17 18]	[21.00]
GBT04A-003	Curran, S. Whiting, M. Webb, J. Murphy, M. T. Pihlstrom, Y Wiklind, T. Francis, P.	University of New South Wales University of New South Wales University of New South Wales NRAO New Mexico Facilities Space Telescope Science Institute Australian National University		Highly Redshifted HI and OH Absorption in Red Quasars [S. Curran]	3	SP	[23 25]	[7.00]
GBT04A-029	Ransom, S. Camilo, F. Stairs, I. Kaspi, V. Kaplan, D.L.	McGill University Columbia Astrophysics Laboratory University of British Columbia McGill University Caltech		S-band Pulsar Observations of Terzan5 and Liller1 [S. Ransom]	S	G	[1 3]	[12.00]
GBT04A-045	Roberts, M. Hessels, J. W. T. Ransom, S. Kaspi, V. Tam, C.R. Livingstone, M. Backer, D. C. Crawford, F. Kaplan, D.L.	McGill University (Physics Dept) McGill University McGill University McGill University McGill McGill University of California, Berkeley Haverford College Caltech		Timing of Three Binary Pulsars Discovered in a Survey of Mid-Latitude EGRET Error Boxes [M. Roberts]	L8S	BG	2	1.75
GBT04B-026	Kramer, M. Stairs, I. Camilo, F. McLaughlin, M. Lorimer, D. Lyne, A. G. Manchester, D.R. N. Possenti, A. D'Amico, N. Burgay, M. Freire, Paulo Joshi, B. Ferdman, R.	NRAL University of British Columbia Columbia Astrophysics Laboratory University of Manchester University of Manchester NRAL Australia Telescope Osservatorio di Cagliari Osservatorio di Cagliari Osservatorio di Bologna Arecibo Observatory National Centre for Radio Astrophysics (India) University of British Columbia		Timing the First Double Pulsar System [M. Kramer]	L8	OG	[16 17 18]	[15.00]
GBT04B-029	Stairs, I. Camilo, F. Kramer, M. Faulkner, A.	University of British Columbia Columbia Astrophysics Laboratory NRAL		Timing New Binary and Millisecond Pulsars from the Parkes Multibeam Survey [I. Stairs]	L	BCOG	[8 10]	[5.00]

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	McLaughlin, M. Lorimer, D. Lyne, A. G. Hobbs, G. Manchester, D.R. N. Possenti, A. D'Amico, N. Burgay, M. Ferdman, R. Ramachandran, R. Backer, D. C. Demorest, P. Nice, D.	Nuffield Radio Astronomy Laboratories University of Manchester University of Manchester NRAL Australia Telescope National Facility (ATNF) Australia Telescope Osservatorio di Cagliari Osservatorio di Cagliari Osservatorio di Bologna University of British Columbia UC Berkeley (Astronomy) University of California, Berkeley UC Berkeley (Physics) Princeton University						
GBT04C-008	Pidopryhora, Y. Shields, J. Lockman, F. J.	Ohio University Ohio University NRAO-GB		Mapping the Galactic Halo HI: Evidence of Outflow from the Galactic Plane? [Y. Pidopryhora]	L	P	[11 15 16 17 18 19 20 22 23 24 25 26 27 28 29]	[38.50]
GBT04C-009	Quireza, C. Bania, T. M. Rood, R. T. Balsler, D.S.	University of Virginia Boston University University of Virginia NRAO - Green Bank		Using HI absorption to resolve kinematic distance ambiguity of Galactic HII regions [C. Quireza]	L	S	9 [8 9 10 11]	4.00 [16.00]
GBT04C-012	Donovan, J. Camilo, F.	Columbia University Columbia Astrophysics Laboratory		Deep Searches for Young Pulsars in ``Shell'' Supernova Remnants [J. Donovan]	8	BG	31	4.00
GBT04C-013	Jacoby, B. Bailes, M. Ord, S. Kulkarni, S. R. Hotan, H. van Straten, Willem	Caltech Astronomy Swinburne University of Technology Swinburne University of Technology Caltech Swinburne University of Technology Astron		Precision Pulsar Timing [B. Jacoby]	8L	RO	[9 11] (12 14)	[12.08] (4.50)
GBT04C-018	Bolatto, A. Darling, J.	University of California at Berkeley Carnegie Institution of Washington (Headquartes)		A Search for Cosmological HI Absorption Systems Toward Radio Selected Flat-Spectrum Sources [A. Bolatto]	L8	S	[1 3 4 5 6 7 8 9 10 11]	[89.50]
GBT04C-027	Araya, E. Hofner, P. Goss, W. M. Kurtz, S. Olmi, L. Linz, H.	New Mexico Tech New Mexico Tech NRAO-SOC UNAM Istituto di Radioastronomia, Italy TLS Tautenburg		A GBT Search for H2CO 6cm Emission from Massive Protostars [E. Araya]	C	S	[12 13 14 15 16 17 18 19]	[53.50]

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GBT04C-030	van Driel, W. O'Neil, K. Schneider, S. E.	DAEC, Observatoire de Meudon NRAO - GB University of Massachusetts		A Search for Massive Low Surface Brightness Galaxies [W. van Driel]	L	S	[19 20 21 22 23 24 25 26 27 28 29]	[81.75]
GBT04C-036	Ramachandran, R. Deshpande, A.A. Cordes, J. M. Backer, D. C. Freire, Paulo Vlemmings, W. Demorest, P. Deneva, Julia	UC Berkeley (Astronomy) Arecibo Observatory NAIC and Cornell University University of California, Berkeley Arecibo Observatory Cornell University UC Berkeley (Physics) Cornell University		Searching for young pulsars in the Cygnus Super Bubble region [R. Ramachandran]	S	G	[1 2 3 4]	[30.00]
GBT04C-045	Stairs, I. Ferdman, R. van Leeuwen, Joeri	University of British Columbia University of British Columbia University of British Columbia		A Search for Pulsar Companions to New Low-Mass White Dwarfs [I. Stairs]	3	SG	22 24 [21 23 24 25]	2.67 [14.67]
GBT04C-055	Hewitt, J. Yusef-Zadeh, F. Braatz, J. A. Palmer, P.	Northwestern University Northwestern University NRAO University of Chicago		A Search for OH(4765 MHz) Maser Emission Associated with Supernova Remnant Masers using the GBT [J. Hewitt]	C	S	[30]	[9.00]
GBT04C-056	Demorest, P. Backer, D. C. Ferdman, R. Stairs, I. Nice, D. Ramachandran, R.	UC Berkeley (Physics) University of California, Berkeley University of British Columbia University of British Columbia Princeton University UC Berkeley (Astronomy)		Precision Timing of Binary and Millisecond Pulsars [P. Demorest]	L8	COG	13 14 [12 13 14 15]	7.00 [14.00]
GM055	Marcaide, J. M. Marti-Vidal, I. Guirado, J. C. Alberdi, A. Lara, L. Perez-Torrez, M. A. Ros, E. Diamond, P. J. Shapiro, I. I. Preston, R. A. Schilizzi, R. T. Mantovani, F. Trigilio, C. Van Dyk, S.D. Weiler, K. W. Sramek, R. A. Whitney, A. R.	Universitat de Valencia University of Valencia Universidad de Valencia Instituto de Astrofisica de An University of Granada IAA MPIfR MERLIN/VLBI National Facility Center for Astrophysics JPL JIVE Istituto di Radioastronomia Istituto di Radioastronomia CN Caltech Naval Research Lab NRAO-SOC Haystack Observatory		Monitoring The Expansion Of Sn 1993j At 6 And 18 Cm [J. M. Marcaide]	C	V	31	11.00

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GR024	Ramachandran, R. Deshpande, A.A. Gwinn, C. R. Ghosh, T.	UC Berkeley (Astronomy) Arecibo Observatory University of California, Sant Arecibo Observatory		Measuring apparent angular size of pulsars behind HII regions [R. Ramachandran]	3	V	21 25	7.00
Comm	Mason			Comm Ka	B	DSP	(8 10 12 14 20 21 23 24 26 27 28 29)	(67.50)
Calibratio	NRAO staff			K band Cal	K	SDP	(6 11 12 14)	(16.50)
Calibratio	Ghigo			System Calib	KUSLC	DSP	(21 24)	(20.00)
Maint	NRAO staff			Maintenance			4 5 6 7 12 13 14 15 19 [20 22 26 27 28 29]	90.50 [51.00]
Not Sched	NRAO staff						(21 22 23 24 25 29 30 31)	(23.58)
Setup	NRAO staff			Observation setup	XKUL83SC	SDBPGOCR	2 9 13 21 22 24 25 31 [1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30] (1 2 3 4 5 7 8 10 12 14 15 16 17 18 23 25 27 29 30)	11.00 [77.83] (22.00)
Tests	NRAO staff			PTCS	KUXCSL	DSP	(8 9 10 11 19 20 21 22 25 26 27 28)	(137.25)
Tests	Mason			RCO Ka	B	DSP	2	8.00
Tests	NRAO staff			RCO*3 340MHz	3	DSP	19	1.50
Tests	NRAO staff			RCO*8 800 MHz	8	DSP	[27 29]	[4.00]
Tests	Norrod			SPBL	KU	DSP	(6 8 30)	(10.00)
Tests	Ghigo			Software tests	8	DSP	2	1.25

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Total Hrs	Astronomy	334.92	419.00					
	Setup	33.00	77.83					
	Commissioning	67.50						
	Calibration	36.50						
	Maintenance	90.50	51.00					
	Un-assigned	23.58						
	Tests	158.00						

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