

# GBT Observing Schedule for November 2004

Proposal	Investigators	Institute	NRAO Friend	Title	Bands	Back Ends	Days *	Hrs *
BB190	Bietenholz, M. F. Bartel, N.	York University York University		Supernova 2001em: Does it have a GRB Jet?	X	V	22 23	12.00
BG150	Giovannini, G. Feretti, L. Giroletti, M. Taylor, G.B. Edwards, P.G.	Istituto di Radioastronomia Istituto di Radioastronomia Bologna NRAO - Socorro Institute of Space and Astrona		Jet and Counter-Jet emission in Markarian 501	L	V	26	8.00
BK114	Kondratko, P.T. Greenhill, L. J. Moran, J. M. Reid, M. J.	Harvard University Harvard-Smithsonian CfA Center for Astrophysics		Follow-up Imaging of Three NGC4258-like Water Megamasers Discovered with the GBT [P.T. Kondratko]	K	V	27 28	30.00
GBT01A-029	Eales, S. Carilli, C. L. Dunne, L. Iverson, R. J.	Cardiff University NRAO Cardiff University Astronomy Technology Centre		A First Investigation of the Origin of Galaxies with the GBT [S. Eales]	K	S	(20 21 22 23 24 26 27 28 29 30)	(108.00)
GBT02A-035	Yun, M. Carilli, C. L. Rupen, M. P. Wootten, H. A. Bertoldi, F. Eales, S. Iverson, 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	(7 8 10)	(44.50)
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	3	9.00
GBT02A-069	Fisher, R.	NRAO Green Bank Facility		Galaxy Survey of HI emission [R. Fisher]	L	SP	4	6.00
GBT02C-050	Blain, A. Chapman, S. Iverson, R. J. Smail, I. Owen, F. N.	Caltech Astronomy Caltech Physics Astronomy Technology Centre University of Durham NRAO-SOC		Survey for CO(1-0) from dusty galaxies at the highest redshifts [A. Blain]	K	S	(29 30)	(17.50)
GBT02C-054	Braatz, J. A. Henkel, C. Wilson, A. S. Greenhill, L. J. Moran, J. M.	NRAO Max-Planck-Institut für Radioa University of Maryland Harvard-Smithsonian CfA		Measuring Nuclear Disks in NGC 1386 and IC 2560 (H <sub>2</sub> O) [J. A. Braatz]	K	S	(10 11 12 14)	(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

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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	6 [8]	7.00 [7.00]
GBT04A-018	Robishaw, T. Heiles, C. E. Goldsmith, P. F.	University of California at Berkeley University of California Cornell University		CCS: The Molecular Magnetometer of Choice [T. Robishaw]	X	P	(13 14 15 16 17 18 19)	(71.50)
GBT04A-029	Ransom, S. Camilo, F. Stairs, I. Kaspi, V. Kaplan, D.L.	NRAO Columbia Astrophysics Laboratory University of British Columbia McGill University Caltech		S-band Pulsar Observations of Terzan5 and Liller1 [S. Ransom]	S	G	[7 10]	[12.00]
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	[11 14]	[4.00]
GBT04B-011	Rickett, B. J. McLaughlin, M. Coles, W. A. Lyne, A. G. Stairs, I. Camilo, F. Freire, Paulo	UCSD University of Manchester University of California, San Diego NRAL University of British Columbia Columbia Astrophysics Laboratory Arecibo Observatory		Scintillation studies of the J0737-3039 binary system [B. J. Rickett]	SC	G	[7 10]	[10.00]
GBT04B-022	Troland, T. H. Benjamin, R.A. Lockman, F. J.	University of Kentucky University of Wisconsin-Whitewater NRAO-GB	F. J. Lockman	The magnetic field in a compact high velocity cloud [T. H. Troland]	L	P	1 2	2.00
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.	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		Timing the First Double Pulsar System [M. Kramer]	L8	OG	6 [8]	5.50 [5.00]

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	Ferdman, R.	Astrophysics (India) University of British Columbia						
GBT04B-028	Ransom, S. Kaspi, V. Backer, D. C. Ramachandran, R. Demorest, P. Arons, J.	NRAO McGill University University of California, Berkeley UC Berkeley (Astronomy) UC Berkeley (Physics) UC Berkeley (Astronomy)		Multi-Epoch Multi-Frequency Scintillation Velocity Measurements of the Double-Pulsar Binary J0737-3039 [S. Ransom]	8L	BG	2 3	13.00
GBT04B-029	Stairs, I. Camilo, F. Kramer, M. Faulkner, A. 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.	University of British Columbia Columbia Astrophysics Laboratory NRAL 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		Timing New Binary and Millisecond Pulsars from the Parkes Multibeam Survey [I. Stairs]	L	BCOG	12 [24 29] (11 14)	7.00 [4.00] (2.00)
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	1 2 4 6 [7 8 10 29]	24.00 [9.00]
GBT04C-012	Donovan, J. Camilo, F.	Columbia University Columbia Astrophysics Laboratory		Deep Searches for Young Pulsars in ``Shell'' Supernova Remnants [J. Donovan]	8	BG	(11 14)	(1.00)
GBT04C-013	Jacoby, B. Bailes, M. Ord, S. Kulkarni, S. R. Hotan, H. van Straten, W.	Caltech Astronomy Swinburne University of Technology Swinburne University of Technology Caltech Swinburne University of Technology Astron		Precision Pulsar Timing [B. Jacoby]	8L	R	9 [11 14]	6.00 [4.00]
GBT04C-018	Bolatto, A. Darling, J.	University of California at Berkeley		A Search for Cosmological HI Absorption Systems Toward Radio Selected Flat-Spectrum Sources [A.	4	S	[27 29]	[6.00]

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		Carnegie Institution of Washington (Headquartes)		Bolatto]				
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	1	8.00
GBT04C-032	Dyer, K. Robishaw, T. Cornwell, T. J.	NRAO-SO University of California at Berkeley NRAO-SOC		Large-Scale Polarized Emission in Supernova Remnant SN1006 [K. Dyer]	L	P	[20 21]	[12.00]
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	[6 7 8 9 10 11 13 15 16 18 19 20 21 22 23 24 26 29 30]	[92.00]
GBT04C-041	Braatz, J. A. Henkel, C.	NRAO Max-Planck-Institut fur Radioa		Monitoring Extragalactic H2O Masers Discovered with the GBT [J. A. Braatz]	K	S	(11 14)	(6.00)
GBT04C-051	Matthews, B. Robishaw, T. Heiles, C. E.	Calif., Berkeley University of California at Berkeley University of California		Probing Magnetic Field Strength and Geometry of the Orion Filament [B. Matthews]	L	S	[12 13 14 15 16 17 18 19 20]	[56.00]
GBT04C-052	Kanekar, N. Chengalur, J. Ghosh, T.	Kapteyn Astronomical Institute NCRA (TIFR) Arecibo Obseratory		A Search for 21cm absorption in a high metallicity DLA at z = 2.462 [N. Kanekar]	4	S	[21 22 23 24]	[12.00]
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	[11 14]	[6.00]
Comm	Mason			Comm Ka	K	DSP	3 4 (7 8 10)	8.00 (12.50)
Comm	NRAO staff			Comm Q band	Q	DSP	(6 7 8 9 10 11 12 17 18 19 20 23)	(61.50)
Shutdown	NRAO staff			Un-assigned Shutdown			24 25 26	36.00
Calibratio	Ghigo			System Cal	KU	DSP	(21)	(9.00)

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Maint	NRAO staff			Maintenance			2 5 9 19 23 [16 18 30]	42.50 [25.50]
Maint	NRAO staff			Shutdown prep			24	1.00
Maint	NRAO staff			Startup			26	3.00
Not Sched	NRAO staff						(11 14 15)	(6.00)
Setup	NRAO staff			Observation setup	XLKU8SC4	VSPBGOCR	1 2 3 4 6 9 12 22 26 27 28 [6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 26 28 29 30] (7 8 10 11 13 14 15 16 18 20 21 23 26 28 29 30)	18.00 [52.00] (24.00)
Tests	NRAO staff			M&C Install	LCKUS	DSP	19	1.00
Tests	NRAO staff			M&C Integ	LCKU	DSP	12 17 [12 14]	6.50 [5.50]
Tests	NRAO staff			M&C Regression	LCKUS	DSP	[13 15]	[20.00]
Tests	NRAO staff			PCO GG57	S	V	17	8.50
Tests	NRAO staff			PTCS	KUSLC	DSP	(12 13 14 15 27 28)	(55.00)
Tests	NRAO staff			PTCS tests	K	DSP	4 5	12.00
Tests	NRAO staff			RCO Q band	Q	DSP	5 6	9.00
Tests	NRAO staff			RCO S band	S	DSP	2 3	4.50
Tests	NRAO staff			RCO*4 450 MHz	4	DSP	[17 19]	[6.00]
Tests	NRAO staff			Software tests	L	DSP	1	2.00
Total Hrs	Shutdown	36.00						
	Astronomy	400.00	239.00					
	Setup	42.00	52.00					
	Commissioning	82.00						
	Calibration	9.00						

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	Maintenance	46.50	25.5					
	Un-assigned	6.00						
	Tests	98.50						

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