GBT Observing Schedule for December 2004

Proposal	Investigators	Institute	NRAO Friend	Title	Bands	Back Ends	Days *	Hrs *
BB191	Barvainis, R. E. Ulvestad, J. Birkinshaw, M. Lehar, J.	National Science Foundation NRAO University of Bristol CombinatoRx		Are Radio-Quiet Quasars Superluminal?	C	V	26	10.00
BG155	Greenhill, L. J. Madejski, G. M. Henkel, C. Peck, A.B. Braatz, J. A. Wilson, A. S.	Harvard-Smithsonian Stanford Max-Planck-Institut fur Radioa CfA NRAO University of Maryland		Mapping the Accretion disk in the IC2560 AGN and implications for H0	K	V	30	7.00
BH128	Hough, D. H. Aars, C.	Trinity University Trinity U		Deep Imaging of Faint Nuclei in SCR FR-II Quasars and Radio Galaxies with the High Sensitivity Array	X	V	23	8.00
BJ054	Jackson, N. Browne, I. W. A. York, T. Mao, S. Porcas, R. Biggs, A.	NRAL NRAL Jodrell Bank University of Manchester MPIfR JIVE		Detection of a third image in CLASS B1030+074	L	V	27	4.00
BP116	Piner, B.G. Edwards, P.G. Jones, D. L. Murphy, D. W.	Whittier College Institute of Space and Astrona JPL JPL		Space VLBI without the Space: Using the High Sensitivity Array to Measure High Brightness Temperatures	C	V	27	6.00
BW076	Winn, J. Rusin, D. Kochanek, C. S.	CfA CfA Ohio State		Gravitational lensing by a supermassive black hole [J. Winn]	X	V	24	10.00
GBT01A-029	Eales, S. Carilli, C. L. Dunne, L. Ivison, 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	(2 3)	(24.00)
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	(19 20 21 22 23)	(50.00)
GBT02C-025	Greve, T.R. Ivison, R. J. Carilli, C. L. Papadopoulos, P. P. Lewis, G.F.	Caltech (Physics, Maths and Astronomy) Astronomy Technology Centre NRAO Leiden University Sydney U		CO(1-0) in the 'big five' high-z sources [T.R. Greve]	K	S	(4 6 7 8 9)	(39.50)
GBT02C-050	Blain, A. Chapman, S. Ivison, R. J.	Caltech Astronomy Caltech Physics Astronomy Technology Centre		Survey for CO(1-0) from dusty galaxies at the highest redshifts [A. Blain]	K	S	(1 2)	(17.50)

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	Smail, I. Owen, F. N.	University of Durham NRAO-SOC						
GBT03A-011	Walter, F. Carilli, C. L. Yun, M. Bertoldi, F. Menten, K. M. Scoville, N. Z.	NRAO New Mexico Facilities NRAO University of Massachusetts MPIfR Max-Planck-Institut Fur Radioa Caltech		The Molecular Gas Content of Quasars at z~4.5 [F. Walter]	K	S	(11 13 14 15 16 17 18 19)	(109.00)
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-Precison Timing of Binary Pulsars at the GBT [I. Stairs]	L	PG	[31]	[2.00]
GBT04B-014	Kondratko, P.T. Greenhill, L. J. Moran, J. M. Braatz, J. A.	Harvard University Harvard-Smithsonian CfA NRAO		Anchoring the Extragalactic Distance Scale [P.T. Kondratko]	KU	S	(30 31)	(23.50)
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	[4 6 31]	[11.00]
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,	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		Timing New Binary and Millisecond Pulsars from the Parkes Multibeam Survey [I. Stairs]	L	BCOG	[4 6 31]	[6.00]

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	R. Backer, D. C. Demorest, P. Nice, D.	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	23 [4 6 10 12 18 19 20 22 23 31]	4.00 [50.50]
GBT04C-021	Wang, Y. Zheng, X.W. Zhang, Q. Ho, P. T. P.	CfA Nanjing University Harvard-Smithsonian Center for Astrophysics Smithsonian Astrophysical Obse		Large-scale structures, fragmentation and cluster formation in OMC-2 and OMC-3 [Y. Wang]	K	S	(4 5 6 7)	(18.50)
GBT04C-022	Ma, C. Lim, J.	National Taiwan University Academia Sinica, IAA		Search for HI gas in the Central Molecular-Gas-Rich Elliptical Galaxies of Rich Clusters [C. Ma]	L	S	27 28 29 30	41.50
GBT04C-023	Knight, H. Jacoby, B. Bailes, M. Ord, S. Kulkarni, S. R. Hotan, H.	Swinburne University of Technology Caltech Astronomy Swinburne University of Technology Swinburne University of Technology Caltech Swinburne University of Technology		High Time Resolution Giant Pulse Searches [H. Knight]	8L	O	[14 15 16 17]	[26.00]
GBT04C-025	McLaughlin, M. Lyne, A. G. Kramer, M. Lorimer, D. Stairs, I. Manchester, D.R. N.	University of Manchester NRAL NRAL University of Manchester University of British Columbia Australia Telescope		Investigating a New Class of Transient Radio Sources [M. McLaughlin]	8	G	5 8 9 [9 11 13] (13)	12.00 [21.50] (4.25)
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 3 4 5 6 7 8 9 10 11 12 13 18 19 20 21 22]	[62.00]
GBT04C-039	Bower, G. C. Ramachandran, R. Muno, M. P.	UC Berkeley UC Berkeley (Astronomy) UC Los Angeles MIT		Searching for Radio Pulsations from X-ray Sources with Radio Counterparts in the Galactic Center [G. C. Bower]	X	G	20 22	9.00

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	Baganoff, F. K.							
GBT04C-040	Margot, J.L. Peale, S. Slade, M.	Cornell University Dept. of Physics, U. of Calif., Santa Barbara JPL		The interior of Mercury revealed by its spin dynamics [J.L. Margot]	X	O	10 12 18 19	12.50
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	(4 6 8 10 14 16)	(24.50)
GBT04C-057	Cameron, Patrick Pannuti, T. Rho, J. Jacoby, B.	Caltech Astronomy MIT Caltech IPAC Caltech Astronomy		Search for radio pulsations from a new X-ray pulsar in CTB 1 [Patrick Cameron]	8	BGS	[4 5 6 7]	[16.50]
Comm	Mason			Comm Ka	B	DSP	(3 4 5 6 31)	(24.00)
Comm	NRAO staff			Comm Q band	Q	DSP	(1 7 8 15 17)	(33.00)
Shutdown	NRAO staff			Un-assigned Shutdown			24 25 26	36.00
Maint	NRAO staff			Maintenance			1 8 21 28 [3 7 9 14 15 16 17]	34.00 [59.50]
Maint	NRAO staff			Shutdown prep			24	1.00
Maint	NRAO staff			Startup			26	1.00
Not Sched	NRAO staff						(5 7 8 10 12 13 14 16 18 19 21 24 26)	(44.25)
Setup	NRAO staff			Observation setup	CKXLU8S	VSDPGOBC	5 8 9 10 12 18 19 20 22 23 24 26 27 28 29 30 [1 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 31] (1 2 4 6 7 8 9 10 12 13 14 15 16 17 18 19 20 21 22 30 31)	18.75 [44.00] (30.00)

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Tests	NRAO staff			M&C Integ	LSC	DSP	27 29 30	15.50
Tests	Braatz			M&C Reg			[31]	[8.50]
Tests	NRAO staff			PTCS	CXLKUBSQ	DSP	1 (9 10 11 12 20 22)	8.00 (59.75)
Tests	NRAO staff			RCO*8 800 MHz	8	DSP	1 [1 3]	1.00 [3.00]
Tests	Norrod			SPBL	L	DSP	8 9	3.00
Total Hrs	Shutdown	36.00						
	Astronomy	434.75	195.50					
	Setup	48.75	44.00					
	Commissioning	57.00						
	Maintenance	36.00	59.50					
	Un-assigned	44.25						
	Tests	87.25						

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