

# GBT Observing Schedule for August 2004

Proposal	Investigators	Institute	NRAO Friend	Title	Bands	Back Ends	Days *	Hrs *
GBT02A-021	Lockman, F. J. Roshi, A.D. Balsler, D.S.	NRAO-GB Raman Research Institute NRAO - Green Bank	D.S. Balsler	A Search for Recombination Lines from Diffuse Gas in the Galactic Center Region [F. J. Lockman]	LSC	S	12 13 23 24 25 26 27 28 29 30 31	54.00
GBT02A-028	Braatz, J. A. Langston, G. I. McMullin, J. Garwood, R.	NRAO NRAO-GB NRAO-CV NRAO-CV		Exploring the Radio Spectrum of Orion A and W51 [J. A. Braatz]	KQ	S	(31)	(4.50)
GBT02A-046	Braatz, J. A. Henkel, C. Wilson, A. S.	NRAO Max-Planck-Institut fur Radioa University of Maryland		Monitoring a Maser Disk in Mrk 1419 [J. A. Braatz]	K	S	(27 29)	(7.00)
GBT02A-069	Fisher, R.	NRAO Green Bank Facility		Galaxy Survey of HI emission [R. Fisher]	L	SP	2	1.00
GBT03C-001	Coster, A. Phelps, E.	MIT Lincoln Laboratory MIT Lincoln Laboratory	F. D. Ghigo	Ionospheric Effects on Coherence Time Scales [A. Coster]	4LX	O	2 3 4 5 6	28.00
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	13 14	7.00
GBT04A-003	Curran, S. Whiting, M. Webb, J. Murphy, M. T. Pihlstrom, Y. Wiklund, T. Francis, P.	University of New South Wales 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]	4	SP	5 6 8	5.75
GBT04A-017	Crosthwaite, L. Turner, J. L. Meier, D. L. Tsai, C.	Astute Networks UCLA University of Illinois at Urbana-Champaign UC Los Angeles		A Search For HI Tidal Interaction Debris in the Vicinity of NGC 5253 [L. Crosthwaite]	L	S	5 6 7	14.75
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	9 10 11	10.00
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	15	2.00

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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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]	L8	BG	14	1.75
GBT04B-003	Singhal, Alok Fisher, R. O'Neil, K. Murphy, E. M.	University of Virginia NRAO Green Bank Facility NRAO - GB University of Virginia		The Connection between Galaxy Kinematics and HI Line Widths as Applied to the Distance Scale [Alok Singhal]	L	PS	5 10 13 15	35.00
GBT04B-004	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	6 7 8 9	32.00
GBT04B-007	Law, C. Yusef-Zadeh, F. Maddalena, R. Cotton, B.W. D. Roberts, D.A.	Northwestern University Northwestern University NRAO-Green Bank NRAO-CV North Western University		A Study of the Galactic Center Lobe [C. Law]	C	P	1	2.00
GBT04B-008	Knight, Haydon Bailes, M. Ord, S. Jacoby, B. Kulkarni, S. R. Camilo, F. Hotan, H.	Swinburne University of Technology Swinburne University of Technology Swinburne University of Technology Swinburne University of Technology Caltech Astronomy Caltech Columbia Astrophysics Laboratory Swinburne University of Technology		A High Sensitivity Millisecond Pulsar Survey [Haydon Knight]	83	R	14 20 21 22	31.50
GBT04B-009	Lazio, T. J. Cordes, J. M.	Naval Research Laboratory NAIC and Cornell University		Direct Detection of Baryons in the Local Group: Giant Pulses from Extragalactic Pulsars [T. J. Lazio]	3	G	17 18 19 20 21	49.50
GBT04B-010	Campbell, B. Campbell, D. B.	Smithsonian Institute Cornell University		70-cm Wavelength Bistatic Radar Observations of the Lunar Highlands [B. Campbell]	4	O	6 7 8	9.00
GBT04B-017	Lovell, A. Schloerb, F. P. Howell, E.	Agnes Scott College University of Massachusetts Arecibo Observatory		OH Observations of Long-Period Comets [A. Lovell]	L	P	21 22	24.00
GBT04B-018	Jacoby, B. Bailes, M. Ord, S. Kulkarni, S. R. Hotan, H.	Caltech Astronomy Swinburne University of Technology Swinburne University of Technology		Precision Pulsar Timing [B. Jacoby]	L	2O	1	16.00

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	van Straten, Willem	Caltech Swinburne University of Technology Astron						
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	15	5.00
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	14	2.25
GBT04B-036	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	1 2	11.00
GBT04B-037	Ransom, S.	McGill University		A Pilot 350MHz Survey for Fast Pulsars [S. Ransom]	3	GB	22 23 24 26 29	34.00

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	Kaspi, V. Roberts, M.	McGill University McGill University (Physics Dept)					30	
Maint	NRAO staff			Maintenance			2 3 4 9 10 11 12 16 17 18 19 23 24 25 26 30 31	204.00
Maint	NRAO staff			RCO*4 recabling	4	DSP	5 6	4.25
Not Sched	NRAO staff						27	2.50
Setup	NRAO staff			Observation setup	LSCKQ483	SDPOBG2C	1 2 4 5 6 7 8 9 10 12 13 14 15 17 18 19 20 21 22 23 24 25 26 27 28 29 30 (27 29 31)	54.00 (3.00)
Tests	Ghigo Shelton			API	KLCSU	DSP	4 12	11.00
Tests	Fleming			M&C Install	L	DSP	19	2.00
Tests	Fleming			M&C Integ	LCSKU	DSP	8 11 16	13.75
Tests	Braatz			M&C Reg tests			15 16	9.00
Tests	GG057			PCO	SXC	V	27	6.50
Tests	Prestage			PTCS	KLCSUQ	DSP	3 4 31	11.00
Tests	NRAO staff			RCO X band	X	DSP	17 25 28	27.50
Tests	NRAO staff			RCO*3 340 MHz	3	DSP	16 17	2.00
Tests	NRAO staff			RCO*8 800 MHz	8	DSP	10	1.00
Tests	O'Neil			Spigot tests	L	SG	11	5.50
Total Hrs	Astronomy Setup Maintenance Un-assigned Tests	387.00 57.00 208.25 2.50 89.25						

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