

# GBT Observing Schedule for April 2005

Proposal	Investigators	Institute	NRAO Friend	Title	Bands	Back Ends	Days *	Hrs *
BB196	Bartel, N. Bietenholz, M. F. Rupen, M. P.	York University York University NRAO - NM		Resolving the pulsar/black-hole nebula in the center of SN 1986J's shell [N. Bartel]	K	V	25	12.00
BF083	Forbrich, J. Massi, M. Ros, E. Menten, K. M.	MPIfR MPIfR MPIfR Max-Planck-Institut Fur Radioa		Protostar VLBI [J. Forbrich]	X	V	30	4.25
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	23 24 25	30.00
BK119	Kemball, A. J. Diamond, P. J.	Univ. of Illinois MERLIN/VLBI National Facility		New Constraints On Sio Maser Physics And Agb Models Using The High Sensitivity Array [A. J. Kemball]	Q	V	17	6.00
BN032	Nakai, Naomasa Yamauchi, A. Sato, N. Diamond, P. J.	Tsukuba University Nobeyama Radio Observatory Nobeyama Radio Observatory MERLIN/VLBI National Facility		Water-Vapor Megamaser in the LINER IC1481 [Naomasa Nakai]	K	V	23	10.00
BW080	Wrobel, J. Ulvestad, J. Ho, L.	NRAO-SOC NRAO The Observatories of the Carnegie Institution of Washington		Radio Emission from the Candidate IMBH in NGC 4395 [J. Wrobel]	L	V	30	4.00
GBT01A-020	Hollis, J. M. Jewell, P. R. Snyder, L. E. Lovas, F. J.	NASA/GSFC NRAO-GB University of Illinois National Institute of Standards and Technology		A GBT Q-band Search Strategy for Interstellar Glycine [J. M. Hollis]	Q	S	1 (5 7)	7.00 (15.00)
GBT01A-034	Combes, F. Despois, D. Wlodarczak, G. Wootten, H. A. Guelin, M.	DEMIRM, Observatoire de Paris Universite de Bordeaux University of Lille, France NRAO-CV Domaine Universitaire de Greno		Search For Glycine And Precursors [F. Combes]	Q	S	(9 11 12 13 14 15 16 18 19 20 21 22)	(65.50)
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	(18 19 20 21 22 23 25 26 28)	(56.00)
GBT03B-011	Widicus, S. Blake, G. Braakman, R.	Caltech Caltech Caltech		A search for sugars in hot cores [S. Widicus]	QK	SP	(4 6 8)	(21.00)
GBT03C-033	Roberts, D.A. Yusef-Zadeh, F. Maddalena, R.	North Western University Northwestern University NRAO-Green Bank	R. Maddalena	A 7mm Recombination Line Search for High Velocity Ionized Gas Toward Sgr A West and Sgr A* [D.A. Roberts]	Q	S	(19 21)	(10.00)

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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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	[19 21]	[10.00]
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)	K. O'Neil	Multi-Epoch Multi-Frequency Scintillation Velocity Measurements of the Double-Pulsar Binary J0737-3039 [S. Ransom]	8L	BG	2 3 [4]	14.00 [7.00]
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	[27 29]	[4.00]
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	(6 8 9)	(15.00)

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GBT05A-001	Kanekar, N. Ellison, S.E.	NRAO-AOC University of Victoria		A Search for 21cm absorption in a high metallicity DLA at z = 2.193 [N. Kanekar]	4	S	10 [8 9 10 11]	3.00 [23.00]
GBT05A-003	Campbell, B. Carter, L. Campbell, D. B.	Smithsonian Institute Smithsonian Institution Cornell University		Radar Mapping of the Moon at 70-cm Wavelength Using Arecibo and the GBT [B. Campbell]	4	O	9 10 11	10.50
GBT05A-007	Widicus, S. Blake, G.	Caltech Caltech		A Ka- and Q-band complex molecule survey of Orion and Sagittarius B2(N-LMH) [S. Widicus]	B	S	(4 5 7)	(12.00)
GBT05A-009	Reach, W. T. Robishaw, T. Heiles, C. E.	Caltech Spitzer Science Center University of California at Berkeley University of California	F. J. Lockman	Mapping a galactic "worm" from W43 to the halo [W. T. Reach]	L	S	3 [4 5 6 7 8 9 11 13 15 16 18]	11.00 [64.00]
GBT05A-011	Ransom, S. Camilo, F. Stairs, I. Kaspi, V. Hessels, J. W. T. Freire, Paulo	NRAO Columbia Astrophysics Laboratory University of British Columbia McGill University McGill University Arecibo Observatory		Timing of the Binary and Millisecond Pulsars in Terzan5 [S. Ransom]	S	GO	[12 14]	[11.00]
GBT05A-013	Robishaw, T. Heiles, C. E.	University of California at Berkeley University of California		Threading the Magnetic Slinky: Mapping the Zeeman Effect in the Eridanus/Orion Region [T. Robishaw]	L	P	[27 29 30] (27 29 30)	[13.50] (21.00)
GBT05A-017	Blain, A. Chapman, S. Iverson, R. J. Smail, I. Hainline, Laura	Caltech Astronomy Caltech Physics Astronomy Technology Centre University of Durham Caltech (Physics, Maths and Astronomy)		Survey for CO(1-0) from dusty submillimeter galaxies at known redshifts [A. Blain]	B	S	(27 28 29 30)	(10.25)
GBT05A-024	Campbell, D. B. Campbell, B. Carter, L. Margot, J.L. Stacy, N.	Cornell University Smithsonian Institute Smithsonian Institution Cornell University Defence Science and Technology Organization, Australia		S-Band Radar Mapping of the Lunar Polar Regions [D. B. Campbell]	S	O	13 14 15 16 17 18	24.00
GBT05A-032	Greve, T.R. Iverson, R. J. Papadopoulos, P. Smail, I. Blain, A.	Caltech (Physics, Maths and Astronomy) Astronomy Technology Centre Institute for Astronomy, ETH Zurich, Switzerland University of Durham Caltech Astronomy		Probing the dense, starforming gas in high-redshift starburst galaxies [T.R. Greve]	K	S	(4 5 6 7 8 10 16 17)	(53.00)
GBT05A-037	Roberts, M. Hessels, J. W. T. Ransom, S.	McGill University (Physics Dept) McGill University NRAO		A Pulsar Survey of Mid-Galactic Latitude EGRET Error Boxes in the North Polar Cap [M. Roberts]	3	G	[26 27 28 29 30]	[17.00]

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	Kaspi, V.	McGill University						
GBT05A-038	Stinebring, D. R. Minter, A. Ransom, S. Hill, Alexander	Oberlin College NRAO - Green Bank NRAO Oberlin College	A. Minter	Pulsar Scintillation Arc Time Variations [D. R. Stinebring]	8L	PG	1 2	16.50
GBT05A-040	Baker, A.C. Harris, A. Genzel, R.	University of Maryland University of Maryland University of California, Berkeley	K. O'Neil	CO(1-0) Observations of Four Submillimeter Galaxies [A.C. Baker]	B	S	(12 13 14 15)	(4.00)
GBT05A-041	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	[19 21]	[14.00]
Maint	NRAO staff			Install L band	L		2	2.50
Maint	NRAO staff			Maintenance			1 12 14 15 18 [5 6 7 8 19 20 21 22 26 27 28 29]	38.25 [102.00]
Not Sched	NRAO staff						(3 6 11 13 15 16 18 19 20 21 22 23 24 25 27 29 30)	(44.00)
Setup	NRAO staff			Observation setup	KXQL84BS3	VSDPOGBC	1 2 3 9 10 11 13 14 15 16 17 18 23 24 25 30 [4 5 6 7 8 9 10 11 12 13 14 15 16 18 19 21 26 27 28 29 30] (4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 25 26 27 28 29 30)	22.25 [28.00] (54.75)
Tests	NRAO staff			GenTests	KBQS	DSP	(10 16 17 18 19 20 21 22 26 27 28 29)	(78.00)
Tests	NRAO staff			PTCS	KQLS	DSP	(8 9 10 11)	(37.00)
Tests	NRAO staff			RCO		DSP	12	2.50

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Tests	NRAO staff			RCO L band	L	DSPG	[26 28] 2 3 [4]	[4.00] 6.00 [3.75]
Total Hrs	Astronomy	435.00	163.50					
	Setup	77.00	28.00					
	Maintenance	40.75	102.00					
	Un-assigned	44.00						
	Tests	123.50	7					

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