

# GBT Observing Schedule for May 2005

Proposal	Investigators	Institute	NRAO Friend	Title	Bands	Back Ends	Days *	Hrs *
BB204	Biggs, A. Porcas, R. Rusin, D.	JIVE MPIfR Univer of Penn		Imaging of the radio jets in the six-image lens system, CLASS B1359+154 [A. Biggs]	L	V	29 30	12.00
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	7 8	15.00
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. Kembal]	Q	V	2	6.00
BN031	Nakashima, J. Kemball, A. J. Deguchi, S.	University of Illinois at Urbana-Champaign Univ. of Illinois Nobeyama Radio Observatory		Maser Spot Distribution in the Molecular Envelope of an Unusual SiO Maser Source IRAS 19312+1950 [J. Nakashima]	Q	V	1	4.00
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	1	4.00
GBT02A-066	Hughes, D. H. Aretxaga, I. Gaztanaga, E. Chapin, E. L. Dunlop, J.S. Devlin, M.J. Wagg, 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 Rutgers Univ. and Univ. of Pennsylvania Instituto Nacional de Astrofisica, Optica y Electronica (INAOE)		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	6 7 8 9 16 17 18	37.50
GBT02A-069	Fisher, R.	NRAO Green Bank Facility		Galaxy Survey of HI emission [R. Fisher]	L	SP	13 20	1.50
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 NRAL University of British Columbia Columbia Astrophysics Laboratory Arecibo Observatory	A. Minter	Scintillation studies of the J0737-3039 binary system [B. J. Rickett]	SC	G	15	5.50
GBT04B-026	Kramer, M. Stairs, I. Camilo, F.	NRAL University of British Columbia Columbia Astrophysics		Timing the First Double Pulsar System [M. Kramer]	8	OG	28 30 31	25.00

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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	McLaughlin, M. Lorimer, D. Lyne, A. G. Manchester, D.R. N. Possenti, A. D'Amico, N. Burgay, M. Freire, Paulo Joshi, B. Ferdman, R.	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						
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	31	0.75
GBT04C-011	Yun, M.	University of Massachusetts		Hydrogen Recombination Lines in Starburst+AGN Systems [M. Yun]	U	S	17 18 19 21 22 (22)	35.00 (7.00)
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	(24 25 26 27)	(6.50)
GBT04C-043	Ransom, S. Freire, Paulo Gupta, Y.	NRAO Arecibo Observatory National Centre for Radio Astrophysics	S. Ransom	Timing the Eccentric Millisecond Pulsar Binary in Globular Cluster NGC 1851 [S. Ransom]	3	G	3	1.00
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	10 11 12 13 14 15 18 20 21 [23 24 25 26]	47.25 [21.00]
GBT05A-011	Ransom, S. Camilo, F.	NRAO Columbia Astrophysics		Timing of the Binary and Millisecond Pulsars in Terzan5 [S. Ransom]	S8	GO	3 5 10 16 17 28 29	43.50

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	Stairs, I. Kaspi, V. Hessels, J. W. T. Freire, Paulo	Laboratory University of British Columbia McGill University McGill University Arecibo Observatory						
GBT05A-013	Robishaw, T. Heiles, C. E.	University of California at Berkeley University of California	R. Maddalena	Threading the Magnetic Slinky: Mapping the Zeeman Effect in the Eridanus/Orion Region [T. Robishaw]	L	P	1 2 4 6 7 8 10 14 20 [23 25] (25 27)	49.25 [6.00] (15.00)
GBT05A-014	Bailes, M. Ord, S. Jacoby, B. Kulkarni, S. R. Camilo, F. Hotan, H. Edwards, Russell	Swinburne University of Technology Swinburne University of Technology Caltech Astronomy Caltech Columbia Astrophysics Laboratory Swinburne University of Technology Australia Telescope National Facility	S. Ransom	A High Sensitivity Millisecond Pulsar Survey [M. Bailes]	3	O	2 6 7 9	22.50
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)	F. D. Ghigo	Survey for CO(1-0) from dusty submillimeter galaxies at known redshifts [A. Blain]	B	S	1 3 4 6	23.00
GBT05A-030	Bania, T. M. Rood, R. T. Balsler, D.S. Quireza, C.	Boston University University of Virginia NRAO - Green Bank University of Virginia		Stalking the Cosmic 3-Helium Abundance [T. M. Bania]	X	SD	21 22 23 24 25 26 27 28	62.50
GBT05A-036	Ransom, S. Hessels, J. W. T. Kaspi, V. Roberts, M.	NRAO McGill University McGill University McGill University (Physics Dept)	S. Ransom	A 350-MHz Survey of the Northern Galactic Plane for Pulsars [S. Ransom]	3	G	3 5 6 9	15.00
GBT05A-037	Roberts, M. Hessels, J. W. T. Ransom, S. Kaspi, V.	McGill University (Physics Dept) McGill University NRAO McGill University	S. Ransom	A Pulsar Survey of Mid-Galactic Latitude EGRET Error Boxes in the North Polar Cap [M. Roberts]	3	G	2 3	6.00
GBT05A-041	Demorest, P. Backer, D. C. Ferdman, R. Stairs, I. Nice, D. Ramachandran,	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	20	7.00

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	R.							
GBT05A-042	Baker, A.C. Mulchaey, J. S. Zabludoff, A. I. O'Neil, K.	University of Maryland Carnegie Institution of Washington (Carnegie Obs.) University of Arizona NRAO - GB	K. O'Neil	HI Observations of Isolated Ellipticals [A.C. Baker]	L	S	14 19 28 29 30 31 [24 25 26 27]	34.50 [6.50]
GBT05A-048	Camilo, F. Ransom, S. Gaensler, B.M. Lorimer, D. Manchester, D.R. N.	Columbia Astrophysics Laboratory NRAO CFA University of Manchester Australia Telescope		Exploratory Time Request: Have we detected the very young pulsar in SNR G21.5-0.9? [F. Camilo]	8	BG	12	1.00
GBT05A-051	Yun, M.	University of Massachusetts		VLA HI observations of HCG~40 [M. Yun]	L	SP	18	1.00
GBT05A-052	Lazio, T. J. Jacoby, B. Brogan, C.L. Gaensler, B.M. Gelfand, J. Lazendic, Jasmina Kassim, N. E. McClure-Griffiths, N.	Naval Research Laboratory Caltech Astronomy JCMT CFA CfA Massachusetts Institute of Technology (Astrophysics) NRL CSIRO		Pulsar Counterpart to the TeV Source HESS J1813-178? [T. J. Lazio]	S	G	30 31	2.00
GBT05B-011	Minter, A.	NRAO - Green Bank	A. Minter	Using Pulsar HI Absorption to Determine the Distance to the Local Spiral Arm in the Second Quadrant of the Galaxy [A. Minter]	L	P	[22]	[7.00]
Maint	NRAO staff			Maintenance			4 5 11 12 18 19 [24 25 26 27]	50.00 [34.00]
Not Sched	NRAO staff						(28 30 31)	(6.25)
Setup	NRAO staff			Observation setup	LKQSC8U3BX	VSPGOBCD2	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 31 [22 23 24 25 26] (22 24 25 26 27)	76.50 [7.00] (5.00)
Tests	Ghigo			Astrid tests	LSK	DSP	7	2.00

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Tests	NRAO staff			M&C Integ	LCS	DSP	10 11 15 17	19.00
Tests	NRAO staff			M&C Reg tests	LS	DSP	16	9.00
Tests	NRAO staff			M&C Tests	LSQ	DSP	20	3.00
Tests	NRAO staff			M&C tests	KQB	DSP	13	10.00
Tests	NRAO staff			PTCS	KQBU	DSP	12 13	15.00
Tests	Robishaw			Poln Tests	L	P	10	2.00
Tests	NRAO staff			RCO 800 MHz	8	DSP	11 13	4.50
Tests	Maddalena			TCALS L band	L	DSP	3	2.00
Tests	Jewell			UCT			12	1.50
Total Hrs	Astronomy	490.25	40.50					
	Setup	81.50	7.00					
	Maintenance	50.00	34.00					
	Un-assigned	6.25						
	Tests	116.00						

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