

GBT Observing Schedule for January 2006

| 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 - Socorro University of Bristol CombinatoRx | | Are Radio-Quiet Quasars Superluminal? [R. E. Barvainis] | C | V | 30 | 2.00 |
| BB218 | Bietenholz, M. F. Bartel, N. Rupen, M. P. | York University York University NRAO - SOC | | Does the Ursa Minor Dwarf Spheroidal Host an Intermediate Mass BH? | L | V | 2 | 8.00 |
| BK127 | Knudsen, K.K. Walter, F. Momjian, E. Carilli, C. L. Yun, M. | Max-Planck-Institute for Astronomy, Heidelberg MPIfA Arecibo Observatory (Puerto Rico) NRAO - Socorro University of Massachusetts | | Resolving the AGN and the starburst in an intensely starforming quasar | L | V | 9 | 7.00 |
| BM238 | Momjian, E. Carilli, C. L. Walter, F. Riechers, D. | Arecibo Observatory (Puerto Rico) NRAO - Socorro MPIfA Max-Planck-Institute for Astronomy, Heidelberg | | Testing the AGN vs. AGN+starburst hypotheses in the z = 4:4 QSO BRI 1335-0417 | L | V | 7 | 7.00 |
| GBT01A-005 | Turner, B. Langston, G. I. | NRAO-CV NRAO-GB | F. D. Ghigo | A High-resolution Spectral Survey Of Tmc-1 At Q-band [B. Turner] | Q | S | 6 7 (14 15 16 17 18 19 20) | 6.75 (25.00) |
| GBT04A-038 | Mason, B.S. Readhead, A. C. S. Reeves Diaz, R. Bustos, R. Pearson, T. J. Myers, S. Shepherd, M. C. | NRAO Green Bank Facility Caltech Universidad de Concepcion Universidad de Concepcion Caltech NRAO -SOC Caltech | | GBT Observations of Radio Sources in CBI Intrinsic Anisotropy Fields [B.S. Mason] | B | OD | (31) | (5.50) |
| GBT04B-014 | Kondratko, P.T. Greenhill, L. J. Moran, J. M. Braatz, J. A. | Harvard University CfA CfA NRAO | J. A. Braatz | Anchoring the Extragalactic Distance Scale [P.T. Kondratko] | KU | S | (21 22 23 24 25 26 27 29 30) | (57.00) |
| GBT04C-031 | Kondratko, P.T. Greenhill, L. J. Moran, J. M. Lovell, J.E.J. Kuiper, T. B. H. Jauncey, D. L. | Harvard University CfA CfA ATNFc/o COSSA JPL ATNF | J. A. Braatz | Monitoring of Five NGC4258-like Water Megamasers Discovered with the GBT and the DSN [P.T. Kondratko] | K | S | (31) | (2.50) |
| GBT04C-043 | Ransom, S. Freire, P. 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] | 4 | G | 8 | 2.50 |

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

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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| GBT04C-050 | Lane, W.M. Fisher, R. Kanekar, N. Darling, J. | Naval Research Lab NRAO Green Bank Facility NRAO-AOC Carnegie Institution of Washington (Headquartes) | R. Fisher | Measurement of Variable Redshifted 21cm Absorption [W.M. Lane] | A | P | 29 [22 24] | 1.50 [3.50] |
| GBT05A-011 | Ransom, S. Camilo, F. Stairs, I. Kaspi, V. Hessels, J. W. T. Freire, P. | NRAO Columbia Astrophysics Laboratory University of British Columbia McGill University McGill University Arecibo Observatory | S. Ransom | Timing of the Binary and Millisecond Pulsars in Terzan5 [S. Ransom] | S | GO | 11 | 7.50 |
| 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) | S. Ransom | Precision Timing of Binary and Millisecond Pulsars [P. Demorest] | L8 | COG | 1 3 [31] | 8.00 [3.50] |
| GBT05B-019 | Roberts, M. Hessels, J. W. T. Breton, R. Ransom, S. Kaspi, V. | McGill University (Physics Dept) McGill University McGill University NRAO McGill University | S. Ransom | Examining the Intermittent Emission of PSR J1744-3922 [M. Roberts] | S | GB | [25 27] | [10.00] |
| GBT05B-034 | Stairs, I. Camilo, F. Kramer, M. Faulkner, A. McLaughlin, M. 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 NRAL Australia Telescope National Facility (ATNF) Australia Telescope Osservatorio di Cagliari Osservatorio di Cagliari Istituto Nazionale di Astrofisica University of British Columbia UC Berkeley (Astronomy) University of California, Berkeley UC Berkeley (Physics) Princeton University | S. Ransom | Timing Binary and Millisecond Pulsars from the Parkes Multibeam Survey [I. Stairs] | L | BOG | 1 29 | 10.25 |
| GBT05B-042 | Kramer, M. Stairs, I. Camilo, F. McLaughlin, M. Lyne, A. G. Manchester, D.R. | NRAL University of British Columbia Columbia Astrophysics Laboratory University of Manchester NRAL Australia Telescope | S. Ransom | Timing and General Relativity in the Double Pulsar System [M. Kramer] | L | BOG | 13 14 | 5.00 |

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| | N. Possenti, A. D'Amico, N. Burgay, M. Freire, P. Joshi, B. Ferdman, R. | Osservatorio di Cagliari Osservatorio di Cagliari Istituto Nazionale di Astrofisica Arecibo Observatory National Centre for Radio Astrophysics (India) University of British Columbia | | | | | | |
| GBT05C-004 | O'Dea, C. P. Gallimore, J.F. Baum, S. A. Verdoes Kleijn, G. Owen, F. N. Keel, B.W. C. Ledlow, M. | Rochester Institute of Technology (Physics) Bucknell University Rochester Institute of Technology (CIS) Kapteyn Astronomical Institute NRAO-SOC University of Alabama Gemini Observatory | R. Maddalena | Does Radio Power Depend on Black Hole Mass ? [J.F. Gallimore] | K | S | 11 (17 19) | 3.75 (10.00) |
| GBT05C-009 | Joncas, G. Bariault, L. Boothroyd, A. Landecker, T. L. Lockman, F. J. Martin, P.G. Miville-Deschenes, M. Taylor, A. R. | Universite Laval Universite Laval University of Toronto DRAO NRAO-GB University of Toronto IAS Univ. Paris-Sud University of Calgary | F. J. Lockman | GBT HI Observations of the DRAO Deep Field: Determining Foregrounds for Planck [F. J. Lockman] | L | P | 15 [15 16] | 4.00 [19.50] |
| GBT05C-010 | Chin, Y. Lemme, C. Kaiser, Ralf I. | German Cultural Center Taipei University of Hawaii, Chemistry Department | D.S. Balser | A Search for Interstellar Benzonitrile (C6H5CN) -- A Key Tracer of Benzene [Y. Chin] | UXKC | S | [28 30 31] (20 21 22 23 24 25 26 27 28 30) | [12.25] (34.50) |
| GBT05C-014 | Devine, K. Chandler, C. Brogan, C.L. Shirley, Y.L. Indebetouw, R. Churchwell, E. B. | University of Wisconsin at Madison NRAO-Socorro JCMT University of Arizona University of Virginia University of Wisconsin | R. Maddalena | Ammonia and CCS Observations of GLIMPSE Infrared Dark Clouds [C. Chandler] | K | S | (21 23 25) | (7.75) |
| GBT05C-015 | Henkel, C. Braatz, J. A. Ott, J. Menten, K. M. | Max-Planck-Institut fur Radioa NRAO ATNF Max-Planck-Institut Fur Radioa | J. A. Braatz | Ammonia in Ultraluminous Infrared Galaxies [J. A. Braatz] | K | S | (21 23 31) | (12.75) |
| GBT05C-016 | Bolatto, A. Darling, J. Willott, C. | University of California at Berkeley Carnegie Institution of Washington (Headquartes) Herzberg Institute of Astrophysics | F. D. Ghigo | A Search for HI and Molecular Absorption in an Extremely Reddened QSO [A. Bolatto] | 4K | S | 4 5 14 16 (16) | 13.00 (2.00) |
| GBT05C-018 | Robishaw, T. Heiles, C. E. Quataert, E. | University of California at Berkeley University of California University of California at Berkeley | A. Minter | OH Megamasers in ULIRGs: The Mega-Obvious Place to Look for Zeeman Splitting! [T. Robishaw] | L | P | [21 22 23 24 25 26 27] | [26.00] |

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| GBT05C-019 | Robishaw, T. Heiles, C. E. | University of California at Berkeley University of California | A. Minter | The Galactic Arachnid in the Ursa Major Loop [T. Robishaw] | L | P | 18 28 30 [16 17 18 19 20 21 22 23 25 26 27 28] (24 26) | 9.25 [114.50] (16.00) |
| GBT05C-021 | Miville-Deschenes, M. Boulanger, F. Lockman, F. J. Boothroyd, A. Martin, P.G. | IAS Univ. Paris-Sud Institut d'Astrophysique Spatiale NRAO-GB University of Toronto University of Toronto | F. J. Lockman | Characterizing Dust in High Velocity Clouds [F. J. Lockman] | L | P | 2 3 8 9 10 11 13 14 | 32.00 |
| GBT05C-022 | Braatz, J. A. Henkel, C. | NRAO Max-Planck-Institut fur Radioa | J. A. Braatz | The Accretion Disks and Supermassive Black Holes in NGC 2273 and NGC 4051 [J. A. Braatz] | K | S | 11 12 | 4.00 |
| GBT05C-023 | Camilo, F. Ransom, S. Gaensler, B.M. Slane, P.O. Lorimer, D. Manchester, D.R. N. | Columbia Astrophysics Laboratory NRAO CFA CfA University of Manchester Australia Telescope | S. Ransom | PSR J1833-1034, the Very Young Pulsar in the SNR G21.5-0.9 [F. Camilo] | 8 | GB | 9 | 1.50 |
| GBT05C-026 | Devlin, T. Devlin, M.J. Mason, B.S. | Rutgers University Rutgers Univ. and Univ. of Pennsylvania NRAO Green Bank Facility | B.S. Mason | Polarization of 30 GHz emission from extra-galactic sources [T. Devlin] | XQ | P | 1 | 3.00 |
| GBT05C-029 | Thuan, T. X. Izotov, Y. Hibbard, J. E. Hunt, L. | University of Virginia Kiev Observatory NRAO-CV INAF-Istituto di Radioastronomia | K. O'Neil | The HI Content of Extremely Metal-deficient Blue Compact Dwarf Galaxies [J. E. Hibbard] | L | S | 4 5 | 11.75 |
| GBT05C-031 | Kepley, A. Wilcots, E. Robishaw, T. Heiles, C. E. Zweibel, E. | University of Wisconsin at Madison (Astronomy) University of Wisconsin University of California at Berkeley University of California University of Wisconsin at Madison (Astronomy) | A. Minter | Magnetic Fields in Dwarf Irregular Galaxies: NGC 4214 [A. Kepley] | X | P | 12 | 3.75 |
| GBT05C-033 | Krco, M. Goldsmith, P. F. | Cornell University Cornell | K. O'Neil | Structure and Formation of the Filamentary Cloud L204 [M. Krco] | L | S | 14 15 (17 18 19 20) | 13.00 (6.00) |
| GBT05C-034 | Kameno, S. Nakai, N. Sawada-Satoh, S. Sato, N. Yoshikawa, Ryo | NAO Tsukuba University Academia Sinica Institute of Astronomy and Astrophysics Nobeyama Radio Observatory University of Tokyo | K. O'Neil | Water maser tomography through molecular torus of NGC 1052 [S. Kameno] | K | S | 11 12 | 3.00 |

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| GBT05C-037 | Kanekar, N. Carilli, C. L. Langston, G. I. Stocke, J. T. Menten, K. M. Rocha, G. | NRAO-AOC NRAO - Socorro NRAO-GB University of Colorado Max-Planck-Institut Fur Radioa University of Cambridge | G. I. Langston | Measuring changes in fundamental constants with redshifted OH lines [N. Kanekar] | A | S | 18 [16 17 18 19 20 21 22 23 24 25 26 27] | 1.50 [58.00] |
| GBT05C-041 | Agueros, M. Camilo, F. Anderson, S. B. | Columbia Astrophysics Laboratory University of Washington | S. Ransom | Detecting Pulsar Companions to Two Very Low-Mass White Dwarfs [M. Agueros] | 8 | G | 11 | 6.00 |
| GBT05C-042 | Ransom, S. Freire, P. Hessels, J. W. T. Begin, S. Stairs, I. Camilo, F. Kaspi, V. | NRAO Arecibo Observatory McGill University University of British Columbia University of British Columbia Columbia Astrophysics Laboratory McGill University | S. Ransom | Timing the Binary and Millisecond Pulsars in NGC6440 and NGC6441 [S. Ransom] | S | GY | 5 | 7.00 |
| GBT05C-046 | Stairs, I. Lorimer, D. | University of British Columbia University of Manchester | S. Ransom | Timing of a Relativistic Binary and other Pulsars from the Arecibo PALFA Survey [I. Stairs] | L | YG | 13 | 4.00 |
| GBT05C-051 | Braatz, J. A. Gugliucci, N. | NRAO University of Virginia | J. A. Braatz | A Snapshot Survey for H2O Megamasers in Nearby, Luminous Galaxies [J. A. Braatz] | K | S | 5 | 2.50 |
| GBT05C-056 | Freire, P. Ransom, S. Stairs, I. Hessels, J. W. T. Kaspi, V. Camilo, F. Begin, S. | Arecibo Observatory NRAO University of British Columbia McGill University McGill University Columbia Astrophysics Laboratory University of British Columbia | S. Ransom | A GBT S-band Globular Cluster Survey: Phase B [P. Freire] | S | G | 3 10 22 [14] (17 18 19 20 21 23 25 27) | 17.50 [3.00] (42.75) |
| GBT05C-057 | Jorgenson, R. Wolfe, A. M. Prochaska, J. Darling, J. | University of California at San Diego University of California-San D University of California Carnegie Institution of Washington (Headquartes) | F. D. Ghigo | Search for 21cm Absorption toward Radio Loud, Extremely Optically Faint Sources [R. Jorgenson] | 4A | S | 6 7 8 29 | 23.25 |
| GBT06A-001 | Fish, V.L. | NRAO New Mexico Facilities | A. Minter | SiH: The Hiding Hydride [V.L. Fish] | C | S | [31] | [7.00] |
| GBT06A-008 | Minter, A. | NRAO - Green Bank | A. Minter | A Better Approach To Finding Pulsars With OH Absorption [A. Minter] | L | S | 2 6 8 | 13.00 |
| GBT06A-009 | Condon, J. J. Braatz, J. A. Lo, F.K. Y. | NRAO-CV NRAO NRAO-CV | J. A. Braatz | H_0 and Dark Energy [J. J. Condon] | K | S | (31) | (4.00) |
| GBT06A-018 | McMullin, J. Balsler, D.S. | NRAO-SOC NRAO - Green Bank | | Isotopic Abundances in Planetary Nebulae [D.S. Balsler] | Q | S | (16 17 18 19) | (20.00) |

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| GBT06A-032 | Braatz, J. A. Lo, F.K. Y. Jewell, P. R. | NRAO NRAO-CV NRAO-GB | | A Search for the First SiO Megamaser [J. A. Braatz] | Q | S | (15 16) | (11.00) |
| GBT06A-039 | Camilo, F. Gaensler, B.M. Lorimer, D. Ransom, S. | Columbia Astrophysics Laboratory CFA University of Manchester NRAO | S. Ransom | Deep Searches of Three Pulsar Wind Nebulae [F. Camilo] | S | G | 8 | 6.50 |
| GBT06A-043 | Morgan, L. Urquhart, J. Thompson, M. | National Radio Astronomy Observatory (NRAO) University of Leeds The University Of Hertfordshire | L. Morgan | OH Masers In Triggered Star Forming Regions [L. Morgan] | L | S | 1 16 [31] | 5.50 [0.50] |
| GBT06A-044 | Darling, J. Stocke, J. T. Willett, K. | Carnegie Institution of Washington (Headquartes) University of Colorado University of Colorado at Boulder | | Intrinsic HI and OH Absorption in Compact Radio Sources at High Redshift [J. Darling] | 4A | S | 3 4 6 7 29 30 [29] (18 20) | 26.00 [4.00] (7.00) |
| GBT06A-062 | Margot, J.L. Campbell, D. B. Jurgens, R. Slade, M. | Cornell University Cornell University JPL JPL | | Venus spin dynamics [J.L. Margot] | X | X | 23 28 29 | 6.25 |
| Comm | NRAO staff | | | HF Comm | QB | DSP | 5 6 9 10 12 13 (25 26 27 28) | 44.00 (24.50) |
| Maint | NRAO staff | | | Install 450 MHz | | | 3 | 3.00 |
| Maint | NRAO staff | | | Install 800 MHz | | | 9 | 3.00 |
| Maint | NRAO staff | | | Install PF1 | | | 30 | 4.00 |
| Maint | NRAO staff | | | Maintenance | | | 4 10 13 [17 19 24 26 31] (20 27) | 21.25 [42.50] (8.00) |
| Setup | NRAO staff | | | Observation setup | 8CLQBKU4AS X | GBVSODPCY X | 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 18 22 23 28 29 30 [14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31] (14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31) | 33.00 [19.50] (26.00) |
| Tests | O'Neil | | | Astrid tests | L | DSP | 6 | 2.00 |

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| Tests | Clark | | | M&C Tests | L | DSP | 8 | 2.00 |
| Tests | NRAO staff | | | M&C tests | L | DSP | (31) | (5.50) |
| Tests | NRAO staff | | | Poln tests Mason | X | DSP | 1 2 | 4.00 |
| Tests | Minter | | | RCO 6A40 | K | PD | (28) | (1.50) |
| Tests | NRAO staff | | | RCO 800 | 8 | DSP | 30 | 3.00 |
| Tests | NRAO staff | | | RCO PF2 | A | DSP | 16 | 2.00 |
| Tests | NRAO staff | | | RCO*4 450MHz | 4 | DSP | 4 | 2.50 |
| Tests | NRAO staff | | | RCO*8 800 MHz | 8 | DSP | 9 | 2.00 |
| Total Hrs | Astronomy | 550.25 | 261.75 | | | | | |
| | Setup | 59.00 | 19.50 | | | | | |
| | Commissioning | 68.50 | | | | | | |
| | Maintenance | 39.25 | 42.50 | | | | | |
| | Un-assigned | 2.50 | | | | | | |
| | Tests | 24.50 | | | | | | |

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