

GBT Observing Schedule for July 2006

| Proposal | Investigators | Institute | NRAO Friend | Title | Bands | Back Ends | Days * | Hrs * |
|------------|---|--|--------------|--|-------|-----------|-------------------------|---------|
| BU031 | Ulvestad, J. Neff, S. G. | NRAO - Socorro GSFC | | A Search for Young Supernovae in the Antennae Galaxies [J. Ulvestad] | S | V | 15 30 | 10.00 |
| GBT02A-053 | Heiles, C. E. Roshi, A.D. Robishaw, T. Fisher, R. | University of California Raman Research Institute University of California at Berkeley NRAO Green Bank Facility | | Magnetic fields in Photodissociation regions from Zeeman splitting of Carbon Recombination Lines [C. E. Heiles] | LSC | SP | 1 2 3 4 5 7 12 13 14 | 64.00 |
| 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 Jodrell Bank Jodrell Bank Observatory WVU 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 | Scott Ransom | Timing Binary and Millisecond Pulsars from the Parkes Multibeam Survey [I. Stairs] | L | BOG | 23 | 1.50 |
| GBT05B-042 | Kramer, M. Stairs, I. Camilo, F. McLaughlin, M. Lyne, A. G. Manchester, D.R. N. Possenti, A. D'Amico, N. Burgay, M. Freire, P. Joshi, B. Ferdman, R. | Jodrell Bank University of British Columbia Columbia Astrophysics Laboratory WVU NRAL Australia Telescope Osservatorio di Cagliari Osservatorio di Cagliari Istituto Nazionale di Astrofisica Arecibo Observatory National Centre for Radio Astrophysics (India) University of British Columbia | Scott Ransom | Timing and General Relativity in the Double Pulsar System [M. Kramer] | L8 | BOG | [21 23] | [10.00] |
| GBT05C-023 | Camilo, F. Ransom, S. Gaensler, B.M. Slane, P.O. Lorimer, D. Manchester, D.R. N. | Columbia Astrophysics Laboratory NRAO - CV CFA CfA West Virginia University Australia Telescope | Scott Ransom | PSR J1833-1034, the Very Young Pulsar in the SNR G21.5-0.9 [F. Camilo] | 8 | GB | 31 | 0.50 |
| GBT05C-042 | Ransom, S. Freire, P. Hessels, J. W. T. | NRAO - CV Arecibo Observatory McGill University | Scott Ransom | Timing the Binary and Millisecond Pulsars in NGC6440 and NGC6441 [S. Ransom] | S | GY | 3 4 | 7.00 |

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| | Begin, S. Stairs, I. Camilo, F. Kaspi, V. | University of British Columbia University of British Columbia Columbia Astrophysics Laboratory McGill University | | | | | | |
| GBT05C-046 | Stairs, I. Lorimer, D. | University of British Columbia West Virginia University | Scott Ransom | Timing of a Relativistic Binary and other Pulsars from the Arecibo PALFA Survey [I. Stairs] | L | YG | 8 | 4.00 |
| 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 Colorado at Boulder, University of | Frank Ghigo | Search for 21cm Absorption toward Radio Loud, Extremely Optically Faint Sources [R. Jorgenson] | 3 | S | 8 | 4.25 |
| GBT06A-014 | Tarchi, A. Henkel, C. Brunthaler, A. Braatz, J. A. | Istituto di Radioastronomia Max-Planck-Institut fur Radioa MPIfR NRAO - CV | Jim Braatz | H2O vs Continuum in the Megamaser 3C403: Reverberation Mapping of the Nucleus [J. A. Braatz] | K | S | 7 | 3.25 |
| GBT06A-046 | Langston, G. I. Turner, B. | NRAO-GB NRAO-CV | Glen Langston | A search for the Largest Interstellar Molecule, HC ₁₃ N [G. I. Langston] | U | S | 2 3 4 14 18 19 20 | 33.00 |
| GBT06A-054 | Demorest, P. Backer, D. C. Ferdman, R. Stairs, I. Nice, D. Jacoby, B.A. Bailes, M. Ord, S. | UC Berkeley (Physics) University of California, Berkeley University of British Columbia University of British Columbia Princeton University Naval Research Lab Swinburne University of Technology Swinburne University of Technology | Scott Ransom | Long-term Precision Timing of Millisecond Pulsars [P. Demorest] | L8 | YR | 1 2 3 | 15.00 |
| GBT06A-070 | Camilo, F. Ransom, S. Halpern, J. P. Helfand, D. J. | Columbia Astrophysics Laboratory NRAO - CV Columbia University Columbia University | Scott Ransom | A new radio transient [F. Camilo] | CUSX8 | BGM | 19 20 | 4.00 |
| GBT06A-071 | Camilo, F. Minter, A. Ransom, S. Zimmerman, N. Helfand, D. J. Halpern, J. P. Reynolds, J. E. | Columbia Astrophysics Laboratory NRAO - Green Bank NRAO - CV Columbia University Columbia University Columbia University Australia Telescope National F | | Constraining the distance to the magnetar XTE J1810-197 via HI absorption [F. Camilo] | L | MG | 21 22 | 8.00 |
| GBT06A-072 | Kaspi, V. Champion, David Hessels, J. W. T. | McGill University McGill University McGill University | | ToO GBT Observations of AXP 4U 0142+61 [V. Kaspi] | S | G | 15 | 2.50 |
| GBT06B-006 | Gottlieb, C. A. Bruenken, S. | Harvard University Harvard-Smithsonian Center for | Ron Maddalena | Search for Four C5H2 Carbene Molecules in Space [C. A. Gottlieb] | UX | S | 16 17 (21 23) | 24.00 (22.00) |

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| | McCarthy, M. Gupta, H. Thaddeus, P. | Astrophysics Harvard-Smithsonian Center for Astrophysics Harvard-Smithsonian Center for Astrophysics Center for Astrophysics | | | | | | |
| GBT06B-012 | Magnani, L. Douglas, K.A. Wennerstrom, E. Chastain, Raymond Onello, J. | University of Georgia University of California, Berkeley University of Georgia University of Georgia SUNY | Ron Maddalena | OH Observations of the Envelope of MBM 40 [L. Magnani] | L | S | [20 21 22 23 24 25 26 27 28 29 30 31] | [32.00] |
| GBT06B-013 | Foster, Tyler Kerton, C.R. Arvidsson, Kim | NRC Iowa State Univ Iowa State University | Dana Balsler | CTB 102: The Largest HII Region in the Galaxy? [Tyler Foster] | C | S | 31 | 5.50 |
| GBT06B-014 | Freire, P. Ransom, S. Gupta, Y. | Arecibo Observatory NRAO - CV National Centre for Radio Astrophysics | Scott Ransom | Continued timing of the eccentric binary system in the globular cluster NGC 1851 [S. Ransom] | 3 | G | 6 7 8 | 8.75 |
| GBT06B-016 | Bruenken, S. Brown, R. Godfrey, P.D. Thaddeus, P. | Harvard-Smithsonian Center for Astrophysics Monash University Monash University Center for Astrophysics | Frank Ghigo | A Search for the Nucleobase Uracil towards Sagittarius B2 [S. Bruenken] | U | S | (20 21 22 23 24 25 26 27 28 29 30 31) | (32.00) |
| GBT06B-018 | Kramer, M. Stairs, I. McLaughlin, M. Ferdman, R. Camilo, F. Lyne, A. G. Manchester, D.R. N. Possenti, A. D'Amico, N. Burgay, M. Freire, P. | Jodrell Bank University of British Columbia WVU University of British Columbia Columbia Astrophysics Laboratory NRAL Australia Telescope Osservatorio di Cagliari Osservatorio di Cagliari Istituto Nazionale di Astrofisica Arecibo Observatory | Scott Ransom | Timing and General Relativity in the Double Pulsar System [M. Kramer] | 3 | GBY | 8 | 5.00 |
| GBT06B-019 | Minter, A. | NRAO - Green Bank | Toney Minter | Obtaining A Complete Sample Of Pulsar OH Absorption With The GBT [A. Minter] | L | M | 21 23 24 26 28 29 30 [25 27] | 19.00 [10.50] |
| GBT06B-020 | O'Neil, K. Davies, J. Auld, R. Martin, B. Boselli, A. Bothun, G. D. | NRAO - GB Cardiff University University of Cardiff ESO Observatoire de Paris University of Oregon | Karen O'Neil | HI in Galaxies and Environments [K. O'Neil] | L | S | 28 29 30 [21 23] | 30.00 [9.00] |

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| | Brosch, N. Brinks, E. Cantinells, Barbara Disney, M. J. de Blok, E. Gavazzi, G. Giovanelli, R. Haynes, M. P. Henning, T. Hoffman, G. L. Irwin, J. Karachentsev, I.D. Kilborn, V.A. Koribalski, B. Linder, S.M. Minchin, R.F. Mornjian, E. Putman, M. Rosenberg, J.L. Sabatini, Sabina Schneider, S. E. Spekkens, K. van Driel, W. | Tel Aviv University INAOE NAIC University College, Cardiff University of Cardiff Universita di Milano Cornell University Cornell University University of New Mexico Lafayette College Queen's University SAO Swinburne Univeristy of Technology Australia Telescope National F Cardiff NAIC Arecibo Observatory (Puerto Rico) University of Michigan Center for Astrophysics, Harvard Osservatorio Astronomico di Roma University of Massachusetts Cornell University DAEC, Observatoir de Meudon | | | | | | | |
| GBT06B-021 | Masters, K. Huchra, J. Crook, A. Macri, L. Jarrett, T.H. | Harvard-Smithsonian Center for Astrophysics Center for Astrophysics MIT National Optical Astronomy Observatory (NOAO) Caltech | Frank Ghigo | Mapping Matter in the Nearby Universe with 2MASS [K. Masters] | L | S | 31 | 1.00 | |
| GBT06B-025 | McLaughlin, M. Lorimer, D. Kramer, M. Stairs, I. Lyne, A. G. | WVU West Virginia University Jodrell Bank University of British Columbia NRAL | Scott Ransom | Low Frequency Observations of RRAT Sources [M. McLaughlin] | 3 | YGB | 7 11 12 | 9.00 | |
| GBT06B-026 | Deneva, J. Cordes, J. M. Lazio, T. J. Bhat, R. Chatterjee, S. Ransom, S. Bower, G. C. Vlemmings, W. Demorest, P. Backer, D. C. | Cornell University NAIC and Cornell University Naval Research Laboratory Swinburne University Center for Astrophysics NRAO - CV UC Berkeley Jodrell UC Berkeley (Physics) University of California, Berkeley | Scott Ransom | Searching for Pulsars and Transient Sources in the Galactic Center [J. Deneva] | XC | G | 9 10 18 19 25 26 | 21.00 | |

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| GBT06B-030 | Martin, P.G. Boothroyd, A. Viero, M. Miville-Deschenes, M. Lockman, F. J. | University of Toronto University of Toronto University of Toronto IAS Univ. Paris-Sud NRAO-GB | Jay Lockman | Characterizing Dust Evolution in Intermediate Velocity Clouds [P.G. Martin] | L | S | 5 6 10 11 17 18 19 20 22 23 25 26 27 28 29 31 | 56.25 |
| GBT06B-031 | Muno, M. P. Ransom, S. Figer, D. | UC Los Angeles NRAO - CV STScI | Scott Ransom | Searching for Pulsars in Massive Young Star Clusters [S. Ransom] | 8 | G | 14 15 | 7.25 |
| GBT06B-032 | Begin, S. Freire, P. Ransom, S. Stairs, I. Hessels, J. W. T. Kaspi, V. Camilo, F. | University of British Columbia Arecibo Observatory NRAO - CV University of British Columbia McGill University McGill University Columbia Astrophysics Laboratory | Scott Ransom | Timing of the Binary and Millisecond Pulsars in M28 [S. Begin] | S | G | 15 16 | 4.00 |
| GBT06B-033 | Hessels, J. W. T. Ransom, S. Kaspi, V. Champion, David Roberts, M. | McGill University NRAO - CV McGill University McGill University Eureka Scientific, Inc. | Scott Ransom | Completing a 350-MHz Survey of the Galactic Plane for Pulsars and Transients [J. W. T. Hessels] | 83 | G | 1 8 9 10 11 12 17 | 35.50 |
| GBT06B-035 | Kent, B. Giovannelli, R. Haynes, M. P. Lockman, F. J. | Cornell University Cornell University Cornell University NRAO-GB | Frank Ghigo | ALFALFA HI Clouds: Milky Way HVCs or Virgo Cluster Harassment Remnants? [B. Kent] | L | S | 3 7 9 14 | 14.50 |
| GBT06B-037 | Weisberg, J. M. Johnston, S. Koribalski, B. Minter, A. Stanimirovic, S. | Carleton College Australia Telescope National Facility (ATNF) Australia Telescope National F NRAO - Green Bank UC Berkeley (Astronomy) | Toney Minter | Probing the Small-Scale Structure of Molecular Gas with Pulsar B1641-45 [J. M. Weisberg] | L | M | 4 5 6 7 8 | 6.42 |
| GBT06B-038 | Crutcher, R. M. Churchwell, E. B. Troland, T. H. Watson, D. Zweibel, E. | University of Illinois University of Wisconsin University of Kentucky University of Wisconsin at Madison University of Wisconsin at Madison (Astronomy) | Toney Minter | Magnetic Fields in GLIMPSE Dark Filaments [R. M. Crutcher] | L | P | 17 18 19 20 24 | 20.25 |
| GBT06B-040 | Kanekar, N. Frail, D. A. Macquart, J.P. van Straten, W. | NRAO-AOC NRAO-SOC NRAO - Soc Astron | Scott Ransom | A Targeted High Frequency Search for Pulsars at the Galactic Center [N. Kanekar] | U | G | 10 11 | 5.00 |
| GBT06B-044 | Ferdman, R. Stairs, I. Backer, D. C. | University of British Columbia University of British Columbia University of California, Berkeley | Scott Ransom | Timing Binary and Millisecond Pulsars from the Parkes Multibeam Survey [R. Ferdman] | L | YGB | 1 17 18 | 7.00 |

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| GBT06B-045 | Hewitt, J. Yusef-Zadeh, F. | Northwestern University Northwestern University | Toney Minter | A Continued Search for Supernova Remnant Masers [J. Hewitt] | L | S | 13 | 5.50 |
| GBT06B-049 | Margot, J.L. Peale, S. Jurgens, R. Slade, M. | Cornell University Dept. of Physics, U. of Calif., Santa Barbara JPL JPL | Frank Ghigo | High-precision measurements of the spin of Mercury [J.L. Margot] | X | X | 2 12 | 4.00 |
| GBT06B-050 | Heroux, A.J. Martin, E. Minter, A. Thomas, Kristen Metha, K. | NRAO NRAO NRAO - Green Bank NRAO NRAO | | Green Bank REU Student GBT Exploratory Time [A. Minter] | LK | S | 6 | 8.50 |
| GBT06B-053 | Yun, M. Borthakur, S. Verdes-Montenegro, L. | University of Massachusetts University of Massachusetts Instituto de Astrofisica de An o, L. | | Completing the GBT Survey of Cold Diffuse Intragroup Medium in HCGs [M. Yun] | L | S | 21 | 2.00 |
| Calibratio | NRAO staff | | | Pointing | XC | | (22) | (11.00) |
| Calibratio | Maddalena | | | SCAL | LCS | DSP | 15 | 6.00 |
| Maint | NRAO staff | | | Maintenance | 38 | | 5 6 10 11 12 13 17 18 19 20 24 25 26 27 31 | 144.75 |
| Setup | NRAO staff | | Scott Ransom Frank Ghigo Jim | Observation setup | SL83KUCX | VSPBOGYDR MX | 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 [20 21 22 23 24 25 26 27 28 29 | 50.92 [7.00] (4.75) |

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| | | | | | | | 30] (20 21 22 23 24 26 27 28 29 30) | |
| Tests | NRAO staff | | | Az track tests | | | [22] (25 27) | [11.00] (11.50) |
| Tests | NRAO staff | | | RCO*3 340 MHz | 3 | DSP | 5 | 2.00 |
| Tests | NRAO staff | | | RCO*8 800 MHz | 8 | DSP | 12 | 2.75 |
| Total Hrs | Astronomy | 510.42 | | 61.50 | | | | |
| | Setup | 55.67 | | 7.00 | | | | |
| | Calibration | 17.00 | | | | | | |
| | Maintenance | 144.75 | | | | | | |
| | Un-assigned | | | | | | | |
| | Tests | 16.25 | | 11.0 | | | | |

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