

GBT Observing Schedule for June 2010

| Proposal | Investigators | Institute | NRAO Friend | Title | Bands | Back Ends | Days * | Hrs * |
|------------|---|--|--------------|--|-------|-----------|------------------------------------|--------|
| BB240 | Bower, G. C. Bolatto, A. Ford, E. Kalas, P. | UC Berkeley University of California at Berkeley University of Amsterdam Calif.-Berkeley | Frank Ghigo | RIPL: Radio Interferometric PLanet Search [G. C. Bower] | X | 5 | 4 12 18 19 | 25.50 |
| GBT07A-051 | Hollis, J. M. Remijan, A. Jewell, P. R. Lovas, F. J. | NASA/GSFC National Radio Astronomy Observatory NRAO-CV Nat'l Instit. of Standards and Technology | Tony Remijan | A GBT Legacy Survey of Prebiotic Molecules Toward SgrB2(N-LMH) and TMC-1 [A. Remijan] | BQ | S | 7 8 | 7.50 |
| GBT08C-078 | Cotton, B.W. D. Mason, B.S. Dicker, S. Korngut, P. Devlin, M.J. | NRAO-CV NRAO-GB UPenn UPenn UPenn | Brian Mason | MUSTANG Observations of Cygnus A [B.S. Mason] | M | | 11 19 20 | 7.25 |
| GBT09A-007 | Lockman, F. J. Burton, W. B. | NRAO-GB UVA | Jay Lockman | Straightening Out the Galactic Warp [F. J. Lockman] | L | S | 29 30 | 7.75 |
| GBT09B-041 | Demorest, P. Nice, D. Stairs, I. Ransom, S. Ferdman, R. Lommen, A. Backer, D. C. Gonzalez, M. | NRAO-CV Bryn Mawr College UBC NRAO-CV Obs. de Paris Franklin and Marshall College UC Berkeley | Scott Ransom | Detecting nHz Gravitational Radiation using a Pulsar Timing Array [P. Demorest] | 8L | YU | 13 14 17 18 | 17.00 |
| GBT09C-057 | Ransom, S. Lorimer, D. McLaughlin, M. Stairs, I. Kaspi, V. Roberts, M. Lynch, R. van Leeuwen, J. van Leeuwen, J. Kondratiev, V. Boyles, J. Hessels, J. W. T. Archibald, A. Jenet, F. | NRAO-CV WVU WVU UBC McGill Eureka Scientific UVA UC Berkeley UC Berkeley NFRA WVU U Amsterdam McGill | Scott Ransom | A 350-MHz Pulsar Survey of the Northern Celestial Cap [S. Ransom] | 3 | U | 1 2 3 4 5 6 7 14 15 16 18 19 20 | 112.75 |
| GBT09C-093 | Heatherly, S. Rosen, R. | NRAO-GB NRAO-GB | Rachel Rosen | Maintenance Observing with the GBT [S. Heatherly] | 83 | YU | 13 23 24 25 26 27 28 29 | 78.75 |
| GBT10A-022 | Miller, J. McLaughlin, M. Boyles, J. | WVU WVU WVU | Scott Ransom | Continued Timing of Rotating Radio Transients [J. Miller] | 8 | U | 11 12 | 5.25 |

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

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| | Keane, E. Lyne, A. G. Kramer, M. Lorimer, D. | Manchester U Manchester U Jodrell Bank WVU | | | | | | |
| GBT10A-043 | Free, N. Shields, J. Lockman, F. J. | Ohio U Ohio U NRAO-GB | Jay Lockman | M33 And Its Association with Local Group Gas [F. J. Lockman] | L | S | 30 | 4.50 |
| GBT10A-059 | Courtois, H. Tully, R.B. Fisher, R. Makarov, D. Karachentsev, I.D. Mitronova, S. | Institute for Astronomy Institute for Astronomy NRAO-CV Special AO Special AO Special AO | Ron Maddalena | Bulk motions of filaments in the Local Universe - Flat Galaxies Catalog [H. Courtois] | L | S | 1 | 1.25 |
| GBT10A-061 | Ransom, S. Ray, P.S. Camilo, F. Roberts, M. | NRAO-CV NRL Columbia Eureka Scientific | | Timing of a 3.1ms pulsar discovered in a Fermi LAT unidentified gamma-ray source [S. Ransom] | L | U | 6 9 | 1.75 |
| GBT10A-072 | Cordiner, M. Charnley, S.B. Millar, T. Buckle, J. | NASA GSFC Queen's U Belfast Cavendish | Jim Braatz | A Targeted Search for Hydrocarbon Anions: Probing the Evolution of Dense Clouds [M. Cordiner] | B | S | 11 | 8.75 |
| GBT10A-073 | Baker, A.C. Harris, A. Swinbank, M. Smail, I. Edge, A. Ivison, R. J. Hainline, L. | Rutgers U Maryland U Durham U Durham U Durham ROE U Maryland | Ron Maddalena | The CO(1-0) profile of the brightest submillimeter galaxy- and its sidekick [A.C. Baker] | B | S | 10 | 3.50 |
| GBT10B-003 | Curran, S. Whiting, M. Webb, J. Bignell, R.C. | University of New South Wales Australia Telescope National Facility University of New South Wales NRAO - GB | Daniel Perera | Atomic and Molecular Gas in the Most Distant Galaxies [S. Curran] | 3 | S | 1 6 15 16 17 21 | 15.50 |
| GBT10B-010 | Wagg, J. Kanekar, N. | ESO NCRA | Daniel Perera | The molecular gas content of Lyman Alpha emitters at z~6.5 [J. Wagg] | U | S | 18 20 | 5.00 |
| GBT10B-014 | Frayser, D.T. Privon, G. Evans, A. Maddalena, R. Chan, B. Stierwalt, S. Armus, L. Appleton, P. N. Sanders, D. B. | NRAO-GB UVA NRAO NRAO-Green Bank Caltech Cornell SSC/IPAC Caltech IfA Manoa | Dave Frayer | GBT HI Observations of the GOALS LIRG Sample [D.T. Frayer] | L | S | 4 19 20 | 14.75 |

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| | U, V. Surace, J. Mazzarella, J. M. Petric, A. Haan, S. Morganti, R. | IfA Manoa Caltech Caltech IPAC Caltech NFRA/ASTRON | | | | | | |
| GBT10B-017 | Lynch, R. Ransom, S. | UVA NRAO-CV | Scott Ransom | Exploring the MSP Content of NGC5986 [R. Lynch] | S8 | U | 7 8 9 10 12 13 | 11.25 |
| GBT10B-018 | Lynch, R. Archibald, A. Boyles, J. Champion, D. Cordes, J. M. Deneva, J. Hessels, J. W. T. Kasian, L. Kaspi, V. Kondratiev, V. van Leeuwen, J. Lorimer, D. McLaughlin, M. McPhee, C. Ransom, S. Roberts, M. Stairs, I. | UVA McGill WVU MPIfR NAIC and Cornell Cornell U Amsterdam University of British Columbia McGill NFRA UC Berkeley WVU WVU UBC NRAO-CV Eureka Scientific UBC | Scott Ransom | Long-term Monitoring of Key Drift Scan Pulsars [R. Lynch] | LS | YU | 7 | 2.50 |
| GBT10B-019 | Ginsburg, A. Battersby, C. Zeiger, B. Darling, J. Bally, J. | U Colorado U Colorado U Colorado U Colorado U Colorado | Ron Maddalena | Densitometry of young star-forming complexes throughout the Galaxy [A. Ginsburg] | U | S | 21 | 3.25 |
| GBT10B-021 | Lovell, A. Howell, E. | Agnes Scott College Arecibo Observatory | Frank Ghigo | OH Observations of Comets C/2009 R1 McNaught and 103P/Hartley 2 [A. Lovell] | L | P | 13 18 19 20 | 27.00 |
| GBT10B-026 | Willett, K. Darling, J. | U Colorado U Colorado | Daniel Perera | A targeted search for OH megamasers in the COSMOS field [K. Willett] | 8 | S | 8 9 10 11 | 19.25 |
| GBT10B-033 | Kramer, M. Stairs, I. McLaughlin, M. Ferdman, R. Camilo, F. Lyne, A. G. Manchester, D.R. N. Possenti, A. D'Amico, N. Burgay, M. | Jodrell Bank UBC WVU Obs. de Paris Columbia Manchester U ATNF Istituto di Astrofisica Istituto di Astrofisica Istituto di Astrofisica NAIC | Scott Ransom | Timing and General Relativity in the Double Pulsar System [M. Kramer] | 8 | Y | 13 | 5.50 |

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| | Freire, P. Perera, B. | UWV | | | | | | |
| GBT10B-036 | Masui, K. Suarez, E. Peterson, J. Pen, U-L Chang, T-C Bandura, K. Fisher, J. | U Toronto Carnegie Mellon Carnegie Mellon U Toronto UT/CITA Carnegie Mellon NRAO | Jules Harnett | Study of Velocity Distortions Using 21cm Intensity Mapping [E. Suarez] | 8 | S | 14 | 4.50 |
| GBT10B-037 | Nigra, L. Stanimirovic, S. Gallagher III, J. S. Lockman, F. J. Nidever, D. Majewski, S.R. | U Wisconsin U Wisconsin U Wisconsin NRAO-GB UVA UVA | Jay Lockman | The Agents of Aging on the Magellanic Stream [L. Nigra] | L | S | 1 3 4 5 6 12 19 | 27.50 |
| GBT10B-038 | Stairs, I. Thorsett, S. Arzoumanian, Z. Sigurdsson, S. | UBC UC Santa Cruz USRA Penn State | Scott Ransom | The Pulsar Triple System in M4 [I. Stairs] | L | UY | 1 | 0.75 |
| GBT10B-039 | Zeiger, B. Darling, J. | U Colorado U Colorado | Jules Harnett | 356 MHz (321-322) Formaldehyde as a Contaminant in Epoch of Reionization Surveys [B. Zeiger] | 3 | S | 5 6 8 | 9.25 |
| GBT10B-042 | Langston, G. I. | NRAO-GB | Glen Langston | Temperature of TMC-CP from a Fit to Molecular Line HC_5N and HC_7N Intensities [G. I. Langston] | X | S | 1 | 1.00 |
| GLST021284 | Camilo, F. Ransom, S. Roberts, M. McLaughlin, M. | Columbia NRAO-CV Eureka Scientific WVU | Scott Ransom | GREEN BANK TELESCOPE TIMING OF KEY FERMI PULSARS [F. Camilo] | S38 | UG | 8 9 20 21 | 11.75 |
| GV020 | Vlemmings, W. Kramer, M. Freire, P. van Langevelde, H.J. | Argelander-Institut fuer Astronomie Jodrell Bank NAIC JIVE | | Millisecond pulsar proper motions: VLBI mapping of the Globular Cluster M15 [W. Vlemmings] | L | 5 | 4 5 | 6.50 |
| Maint | NRAO staff | | | Maintenance | | | 2 3 7 8 9 10 11 14 15 16 17 18 21 22 23 24 25 26 27 28 29 30 | 229.50 |
| Tests | pointing day | | | PTCS | BX | | 2 10 11 16 17 30 | 17.50 |
| Tests | 342 | | | RFI Checkout | 3XLS8 | | 2 4 10 11 12 | 5.25 |
| Tests | 800 | | | Receiver Checkout | 83UL | | 8 14 17 29 | 5.00 |

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| Tests | NRAO staff | | | turret | L | | 25 30 | 16.00 |
| Total Hrs | Astronomy | 446.75 | | | | | | |
| | Maintenance | 229.50 | | | | | | |
| | Un-assigned | | | | | | | |
| | Tests | 43.75 | | | | | | |

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