

GBT Observing Schedule for February 2005

| Proposal | Investigators | Institute | NRAO Friend | Title | Bands | Back Ends | Days * | Hrs * |
|------------|---|---|----------------|--|-------|-----------|----------------------|-------|
| BB202 | Bower, G. C. Anderson, J. | UC Berkeley Rice University | | Trigonometric Parallax of a Radio Star in the Pleiades [G. C. Bower] | X | V | 6 7 | 8.00 |
| BD103 | Desmurs, J. F. Soria-Ruiz, R. Bujarrabal, V. Alcolea, J. Colomer, F. | Observatorio Astronomico Nacio Observatorio Astronomico Nacio Observatorio Astronomico Nacio Observatorio Astronomico Nacio | | High dynamic range map of SiO maser emission in IRC+10011 [J. F. Desmurs] | Q | V | 13 | 6.25 |
| BU030 | Ulvestad, J. Johnson, K. Neff, S. G. | NRAO University of Virginia GSFC | | A Search for Young Supernovae in Super Star Clusters [J. Ulvestad] | C | V | 26 27 | 10.00 |
| GB053 | Bartel, N. Bietenholz, M. F. | York University York University | | The expansion, structure, and distance of SN 1979C [N. Bartel] | L | V | 24 25 | 7.25 |
| GBT01A-005 | Turner, B. Langston, G. I. | NRAO-CV NRAO-GB | | A High-resolution Spectral Survey Of Tmc-1 At Q-band [B. Turner] | Q | S | 1 2 3 | 13.00 |
| GBT02A-069 | Fisher, R. | NRAO Green Bank Facility | | Galaxy Survey of HI emission [R. Fisher] | L | SP | 18 | 7.00 |
| GBT03B-018 | Shirley, Y.L. Wootten, H. A. | NRAO New Mexico Facilities NRAO-CV | | Probing Hydrocarbon Chemistry with C4H and C4D towards IRAS 16293-2422 [Y.L. Shirley] | Q | S | 16 17 18 19 20 21 | 12.00 |
| GBT03C-028 | Walter, F. Carilli, C. L. Lo, F.K. Y. Bertoldi, F. Cox, P. Fan, X. Strauss, M. Menten, K. M. | MPIfA NRAO NRAO-CV Radioastronomical Institute, University of Bonn IAS/Institut. d'Astrophys. Spatiale Arizona State University Princeton University Max-Planck-Institut Fur Radioa | G. I. Langston | The Molecular Gas Content in z>6 Quasars: Probing the End of Cosmic Reionization [F. Walter] | Q | S | 26 | 6.00 |
| GBT04A-001 | Vanden Bout, P. A. Solomon, P. Carilli, C. L. | NRAO-CV SUNY at Stony Brook NRAO | | Q-Band CO Observations [P. A. Vanden Bout] | Q | S | 19 23 | 12.00 |
| GBT04A-018 | Robishaw, T. Heiles, C. E. Goldsmith, P. F. | University of California at Berkeley University of California Cornell University | | CCS: The Molecular Magnetometer of Choice [T. Robishaw] | X | P | 22 23 24 25 26 | 28.50 |
| GBT04A-035 | Stairs, I. Faulkner, A. Kramer, M. Lyne, A. G. Manchester, D.R. N. Hobbs, G. Possenti, A. | University of British Columbia Nuffield Radio Astronomy Laboratories NRAL NRAL Australia Telescope Australia Telescope National Facility (ATNF) | | Scintillation Velocities for Two Relativistic Binary Pulsars [I. Stairs] | LS | G | 21 | 3.00 |

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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| | Lorimer, D. Kaplan, D.L. Camilo, F. | Osservatorio di Cagliari University of Manchester Massachusetts Institute of Technology (Astrophysics) Columbia Astrophysics Laboratory | | | | | | |
| 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 | | Scintillation studies of the J0737-3039 binary system [B. J. Rickett] | SC | G | 13 14 | 5.75 |
| 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 | 5 6 | 5.00 |
| 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) | | Timing New Binary and Millisecond Pulsars from the Parkes Multibeam Survey [I. Stairs] | L | BCOG | 5 | 2.75 |

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| | | Princeton University | | | | | | |
| GBT04C-006 | Vanden Bout, P. A. Solomon, P. Maddalena, R. | NRAO-CV SUNY at Stony Brook NRAO-Green Bank | | Q-Band Search for High Redshift Carbon Monoxide Line Emission [P. A. Vanden Bout] | Q | SD | 2 5 6 12 13 17 | 22.00 |
| GBT04C-012 | Donovan, J. Camilo, F. | Columbia University Columbia Astrophysics Laboratory | | Deep Searches for Young Pulsars in ``Shell'' Supernova Remnants [J. Donovan] | 8 | BG | 7 | 1.00 |
| GBT04C-028 | Chandler, C. Brogan, C.L. Shirley, Y.L. Indebetouw, R. | NRAO-Socorro JCMT NRAO New Mexico Facilities University of Wisconsin at Madison (Astronomy) | | A search for CCS in massive protostellar candidates and infrared dark clouds [C. Chandler] | K | S | 6 19 | 12.00 |
| GBT04C-037 | Shirley, Y.L. Wootten, H. A. Shepherd, D. | NRAO New Mexico Facilities NRAO-CV NRAO-Socorro | G. I. Langston | GBT & VLA Ammonia Thermometry Towards Low-mass Star-forming Cores [Y.L. Shirley] | K | S | 5 11 15 19 | 26.25 |
| GBT04C-041 | Braatz, J. A. Henkel, C. | NRAO Max-Planck-Institut fur Radioa | J. A. Braatz | Monitoring Extragalactic H2O Masers Discovered with the GBT [J. A. Braatz] | K | S | 3 | 5.00 |
| GBT04C-049 | Kovalev, Jr., Y. Tyulbashev, S. | NRAO Green Bank Facility Pushino Radio Astronomical Observatory of Astro Space Center, Lebedev | | GBT Broad-Band Spectrometric Measurements of Large Faraday Rotations in AGN [Y. Kovalev Jr.] | CS | S | 14 | 6.00 |
| GBT05A-002 | Fish, V.L. | NRAO New Mexico Facilities | | A Search for Interstellar OD in Massive Star-Forming Regions [V.L. Fish] | L | S | 15 16 | 10.50 |
| 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 | 17 18 19 | 9.50 |
| GBT05A-004 | Kavars, D. Dickey, J. M. Skillman, E. | University of Minnesota Univ. of Minnesota University of Minnesota | | OH Observations of HI Self-Absorption Clouds [D. Kavars] | L | S | 20 21 25 28 | 20.50 |
| GBT05A-010 | Robishaw, T. Heiles, C. E. | University of California at Berkeley University of California | | Constraining the Magnetic Field in the Taurus Molecular Cloud [T. Robishaw] | L | P | 21 22 23 24 27 28 | 40.75 |
| 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] | S8 | GO | 13 | 6.00 |

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| GBT05A-015 | Kondratko, P.T. Greenhill, L. J. Braatz, J. A. Moran, J. M. | Harvard University Harvard-Smithsonian NRAO CfA | | Search for Extragalactic Water Maser Emission with the GBT: Independent Measurement of the Hubble Constant [P.T. Kondratko] | K | S | 1 2 | 19.00 |
| GBT05A-016 | Donovan, J. Camilo, F. | Columbia University Columbia Astrophysics Laboratory | | Deep Searches for Young Pulsars in ``Shell'' Supernova Remnants [J. Donovan] | 8 | BG | 7 | 10.00 |
| GBT05A-021 | Smits, D. De Witt, A. | University of South Africa University of South Africa | | Shock-excited OH (1720 MHz) masers in Herbig-Haro Objects [D. Smits] | L | S | 4 5 7 | 14.75 |
| GBT05A-034 | Hibbard, J. E. Corbin, Michael Vacca, W. | NRAO-CV Arizona State University SOFIA-USRA | | Ultracompact Blue Dwarfs: Galaxy Formation in the Local Universe? [J. E. Hibbard] | L | S | 4 10 | 13.00 |
| 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] | LS8 | COG | 12 28 | 9.75 |
| 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 | 3 4 10 11 14 17 18 22 24 | 47.25 |
| GBT05A-045 | Roychowdhury, Suparna Mohan, R. Roshi, A.D. | Raman Research Institute Raman Institute Raman Research Institute | G. I. Langston | A search for HI 21-cm line emission towards cooling flow clusters with 12CO line emission [Suparna Roychowdhury] | L | S | 9 14 | 11.25 |
| GM059 | Marcaide, J. M. Marti-Vidal, I. Guirado, J. C. Alberdi, A. Perez-Torres, M. Lara, L. Ros, E. Stockdale, C. Weiler, K. W. Sramek, R. A. Panagia, N. Van Dyk, S.D. | Universitat de Valencia University of Valencia Universidad de Valencia Instituto de Astrofisica de An Istituto di Radioastronomia University of Granada MPIfR NRL Naval Research Lab NRAO-SOC Space Telescope Science Instit Caltech | | ToO Observations of SN2004et at 1.3 and 3.6cm [J. M. Marcaide] | X | V | 20 | 12.00 |

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| Maint | NRAO staff | | | Maintenance | | | 3 4 8 9 16 17 24 25 | 67.00 |
| Setup | NRAO staff | | | Observation setup | XQCLS8K4 | VSPGOBCD | 1 2 3 4 5 6 7 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 | 74.75 |
| Tests | Prestage | | | GFM tests | LSKQ | DSP | 2 | 2.50 |
| Tests | NRAO staff | | | M&C Integ | LCKQ | DSP | 8 9 10 16 | 23.00 |
| Tests | Braatz | | | M&C Reg Tests | LCKQ | DSP | 14 15 | 11.00 |
| Tests | NRAO staff | | | M&C Tests | L | DSP | 6 | 2.25 |
| Tests | Minter | | | NL Tests | L | DSP | 27 | 4.75 |
| Tests | Langston | | | PCO | L | S | 18 | 4.00 |
| Tests | NRAO staff | | | PTCS | BKQ | DSP | 1 7 8 22 23 24 | 34.75 |
| Tests | Maddalena | | | S&X tests | SX | DSP | 2 | 3.50 |
| Tests | Lacasse | | | Spect Tests | L | S | 14 | 2.00 |
| Tests | Ghigo | | | Tests S2+M5 | L | M5 & S2 | 5 | 3.25 |
| Total Hrs | Astronomy | 439.25 | | | | | | |
| | Setup | 74.75 | | | | | | |
| | Maintenance | 67.00 | | | | | | |
| | Un-assigned | | | | | | | |
| | Tests | 91.00 | | | | | | |

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