

GBT Observing Schedule for October 2009

| 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 | (3 5 26 27) | (51.00) |
| BM311 | Maccarone, T. Gallo, E. Miller-Jones, J. Joseph, Tania Dwelly, T. | U Southampton UC Santa Barbara Oxford University of Southampton MSSL, UCL | Jules Harnett | An accurate position for the radio source in G1 [T. Maccarone] | C | 5 | 6 7 | 7.50 |
| BP157 | Peterson, W. Mutel, R. L. Goss, W. M. | University of Iowa NRAO-SOC | Jules Harnett | Confirmation of Large Coronal Loops on an RS CVN Binary [W. Peterson] | U | 5 | 14 15 17 18 | 21.50 |
| GBT08C-023 | Camilo, F. Ransom, S. Roberts, M. McLaughlin, M. Arzoumanian, Z. Freire, P. Romani, R. W. Halpern, J. P. Ray, P.S. | Columbia Astrophysics Laboratory NRAO - CV Eureka Scientific, Inc. WVU NASA/GSFC Arecibo Observatory Stanford University Columbia University Naval Research Lab | Scott Ransom | GLAST timing at GBT: six key radio-faint pulsars [F. Camilo] | S | G | 7 | 3.75 |
| GBT08C-035 | Braatz, J. A. Condon, J. J. Greenhill, L. J. Henkel, C. Lo, F.K. Y. Reid, M. J. Kuo, C-Y. Zaw, I. Tilak, A. Hao, L. Lah, P. Impellizzeri, C.M.V. | NRAO - CV NRAO-CV CfA Max-Planck-Institut fur Radioa NRAO-CV Center for Astrophysics ASIAA Johns Hopkins Cornell Dept. of Astronomy NRAO | Jim Braatz | The Megamaser Cosmology Project: Year 2 [J. A. Braatz] | K | S | (8 9) | (36.00) |
| GBT09A-034 | Garcia-Marin, M. Eckart, A. Koenig, S. Fischer, S. Zuther, J. Huchtmeier, W. K. Bertram, T. | University of Cologne Max-Planck-Institut fur Radioa | Jules Harnett | 21 cm HI Observations of intermediate-z Clusters of Galaxies [M. Garcia-Marin] | A | S | 1 | 5.50 |
| GBT09A-055 | Stocke, J. T. Darling, J. Yan, T. | University of Colorado Colorado at Boulder, University of | Jules Harnett | A New Approach to Discovering Highly Obscured Radio-Loud Quasars [J. Darling] | A | S | 1 | 2.25 |
| GBT09B-005 | Stocke, J. T. | University of Colorado | Jules Harnett | A Search for HI Absorption Toward Red AGN in | A | S | 1 | 1.50 |

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

* [] 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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| | Darling, J. Yan, T. | Colorado at Boulder, University of | | Non-Elliptical Host Galaxies [J. Darling] | | | | |
| GBT09B-006 | Camilo, F. Ransom, S. Chatterjee, S. Ray, P.S. Lorimer, D. | Columbia Astrophysics Laboratory NRAO - CV Center for Astrophysics Naval Research Lab West Virginia University | Scott Ransom | Three newly discovered pulsars [F. Camilo] | S | U | 12 | 1.25 |
| GBT09B-015 | Armijos, J. Martin-Pintado, J. Requena-Torres, M.A. Martín, S. Rodríguez-Franco, A. | Consejo Superior de Investigaciones (CSIC) Consejo Superior de Investigaciones (CSIC) DAMIR-IEM-CSIC | Jim Braatz | Chemical complexity in the nuclei of galaxies. The nucleus of the Milky way [J. Armijos] | U | S | 1 | 1.50 |
| GBT09B-029 | 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. Perera, B. | Jodrell Bank University of British Columbia WVU University of British Columbia Columbia Astrophysics Laboratory Manchester, University of Australia Telescope Istituto Nazionale di Astrofisica Osservatorio di Cagliari Istituto Nazionale di Astrofisica Arecibo Observatory | Scott Ransom | Timing and General Relativity in the Double Pulsar System [M. Kramer] | 8 | YB | 17 | 5.50 |
| GBT09B-031 | Lynch, R. Ransom, S. Lorimer, D. McLaughlin, M. Stairs, I. Kaspi, V. Cordes, J. M. Champion, D. Archibald, A. Kondratiev, V. Boyles, J. Hessels, J. W. T. McPhee, C. Roberts, M. Kasian, L. van Leeuwen, J. Deneva, J. | Virginia, University of NRAO - CV West Virginia University WVU University of British Columbia McGill University NAIC and Cornell University McGill University West Virginia University West Virginia University ASTRON Eureka Scientific, Inc. University of British Columbia University of British Columbia Cornell University | Scott Ransom | Timing the New GBT 350 MHz Drift Scan Pulsars [R. Lynch] | 8 | U | 16 17 | 4.50 |
| GBT09B-041 | Demorest, P. Nice, D. | UC Berkeley (Physics) Bryn Mawr College | Scott Ransom | Detecting nHz Gravitational Radiation using a Pulsar Timing Array [P. Demorest] | L8 | YU | 16 18 | 17.00 |

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| | Stairs, I. Ransom, S. Ferdman, R. Lommen, A. Backer, D. C. Gonzalez, M. | University of British Columbia NRAO - CV University of British Columbia Franklin and Marshall College University of California, Berkeley | | | | | | |
| GBT09B-043 | DeCesar, M. Ransom, S. Stairs, I. Lorimer, D. McLaughlin, M. Kaspi, V. Archibald, A. van Leeuwen, J. Miller, C. | NRAO - CV University of British Columbia West Virginia University WVU McGill University University of British Columbia University of Maryland | Scott Ransom | A Search for Radio Pulsations from Low-Mass X-ray Binaries [M. DeCesar] | S | U | 1 | 2.75 |
| GBT09C-008 | Rood, R. T. Bania, T. M. Balser, D.S. | University of Virginia Boston University NRAO - Green Bank | Dana Balser | Constraining Galactic Chemical Evolution: 3-Helium Benchmark Abundances in S209 - copy [R. T. Rood] | X | DS | 11 12 | 10.00 |
| GBT09C-014 | Camilo, F. Ransom, S. Gaensler, B.M. Lorimer, D. | Columbia Astrophysics Laboratory NRAO - CV CFA West Virginia University | Scott Ransom | The energetic pulsar J1747-2809 in the supernova remnant G0.9+0.1 [F. Camilo] | S | U | 11 12 14 25 | 8.75 |
| GBT09C-076 | Kondratiev, V. Otte, N. Lyutikov, M. | West Virginia University McGill University | Scott Ransom | Crab Pulsar Giant Pulses: Is Correlation Between Radio and VHE Bands Real? [V. Kondratiev] | X | U | 25 26 | 8.00 |
| GBT09C-086 | Arzoumanian, Z. Ransom, S. | NASA/GSFC NRAO - CV | Scott Ransom | Followup of the GBT's discovery of a 24 ms pulsar in SNR G76.9+1.0 [Z. Arzoumanian] | S | U | 15 16 | 12.00 |
| GLST021284 | Camilo, F. Ransom, S. Roberts, M. McLaughlin, M. | Columbia Astrophysics Laboratory NRAO - CV Eureka Scientific, Inc. WVU | Scott Ransom | GREEN BANK TELESCOPE TIMING OF KEY FERMI PULSARS [F. Camilo] | S8 | UG | 2 16 31 | 13.25 |
| Maint | NRAO staff | | | Maintenance | | | 1 7 13 14 19 20 21 22 23 24 | 166.00 |
| Maint | NRAO staff | | | Open Day | S | S | 25 | 3.00 |
| Maint | NRAO staff | | | Turret Upgrade | | | 27 28 29 30 | 73.00 |
| Tests | Harris | | | BZ tests | B | Z | 7 | 3.00 |
| Tests | Ransom | | | GUPPI | S | | 24 | 4.00 |
| Tests | Hunter | | | HOLO | X | | 31 | 6.00 |

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| Tests | Minter | | | RCO | K84 | | 7 14 30 | 4.50 |
| Total Hrs | Astronomy | 213.50 | | | | | | |
| | Maintenance | 242.00 | | | | | | |
| | Un-assigned | | | | | | | |
| | Tests | 17.50 | | | | | | |

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