

GBT Observing Schedule for December 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 | R IPL: Radio Interferometric PLANet Search [G. C. Bower] | X | 5 | (5 12 13 16 19 26 27) | (59.50) |
| BB261 | 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. | NRAO - CV NRAO-CV CfA MPIfR NRAO-CV Center for Astrophysics UVA NYU CfA Cornell Dept. of Astronomy | Jim Braatz | The Megamaser Cosmology Project: Year 2 [J. A. Braatz] | K | 5 | 22 23 (6 7 28 29) | 12.50 (37.50) |
| 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 MPIfR NRAO-CV Center for Astrophysics UVA NYU CfA Cornell Dept. of Astronomy NRAO | Jim Braatz | The Megamaser Cosmology Project: Year 2 [J. A. Braatz] | K | S | 11 12 13 14 16 | 38.00 |
| GBT09B-006 | Camilo, F. Ransom, S. Chatterjee, S. Ray, P.S. Lorimer, D. | Columbia NRAO-CV Center for Astrophysics NRL WVU | Scott Ransom | Three newly discovered pulsars [F. Camilo] | S | U | 11 | 1.25 |
| 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 UBC WVU Obs. de Paris Columbia Manchester U ATNF Istituto di Astrofisica Istituto di Astrofisica Istituto di Astrofisica MPIfR | Scott Ransom | Timing and General Relativity in the Double Pulsar System [M. Kramer] | 8 | YB | 17 | 5.50 |
| GBT09B-031 | Lynch, R. | UVA | Scott Ransom | Timing the New GBT 350 MHz Drift Scan Pulsars [R. | 8 | U | 18 | 4.50 |

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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| | 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. | NRAO-CV WVU WVU UBC McGill University NAIC and Cornell ATNF West Virginia University WVU ASTRON Eureka Scientific University of British Columbia University of British Columbia Cornell | | Lynch] | | | | |
| 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] | L8 | YU | 20 21 | 17.00 |
| GBT09C-014 | Camilo, F. Ransom, S. Gaensler, B.M. Lorimer, D. | Columbia NRAO-CV CFA WVU | Scott Ransom | The energetic pulsar J1747-2809 in the supernova remnant G0.9+0.1 [F. Camilo] | S | U | 23 | 1.75 |
| GBT09C-063 | Jensen, E. | | Toney Minter | Faraday Rotation of MESSENGER CF During Superior Conjunction [E. Jensen] | X | P | 10 | 5.25 |
| GBT09C-065 | Andersson, B-G. Heiles, C. E. | JPL University of California | Toney Minter | Validating the Chandrasekhar-Fermi method with H I Zeeman data [B-G. Andersson] | L | S | 28 29 30 31 | 26.75 |
| 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 | 13 15 17 18 20 21 | 16.00 |
| 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] | S8 | UG | 11 16 23 | 9.00 |
| Shutdown | NRAO staff | | | Christmas Holiday | | | 24 25 26 | 36.00 |
| Maint | NRAO staff | | | Maintenance | | | 3 4 9 15 17 22 24 26 30 | 60.50 |

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| Tests | Harris | | | BZ tests | B | Z | 24 | 4.00 |
| Tests | Ransom | | | GUPPI | S | | 5 26 | 9.50 |
| Tests | Hunter | | | HOLO | X | | 19 20 | 6.00 |
| Tests | Hunter | | | Mustang OOF | M | | 2 10 24 | 12.00 |
| Tests | Mason | | | Mustang | M | | 6 7 8 26 27 | 12.00 |
| Tests | Hunter | | | Quadrant detector | X | | 17 | 2.50 |
| Tests | Minter | | | RCO | 8 | | 15 22 | 3.00 |
| Tests | Minter | | | Scal | L | | 18 19 | 3.00 |
| Tests | Hunter | | | Servo | X | | 19 | 4.00 |
| Total Hrs | Shutdown | 36.00 | | | | | | |
| | Astronomy | 234.50 | | | | | | |
| | Maintenance | 60.50 | | | | | | |
| | Un-assigned | | | | | | | |
| | Tests | 56.00 | | | | | | |

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