

# GBT Observing Schedule for April 2010

| Proposal   | Investigators   | Institute   | NRAO Friend   | Title  | Bands | Back Ends | Days *                           | Hrs *   |
|------------|---|---|---------------|--|-------|-----------|----------------------------------|---------|
| BB240      | Bower, G. C.<br>Bolatto, A.<br>Ford, E.<br>Kalas, P.  | UC Berkeley<br>University of California at Berkeley<br>University of Amsterdam<br>Calif.-Berkeley   | Frank Ghigo   | RIPL: Radio Interferometric PLANet Search [G. C. Bower]                                      | X     | 5         | (1 4 11 12 17 18<br>19 20 25 28) | (68.00) |
| BF100      | Forbrich, J.<br>Berger, E.<br>McLean, Margaret  | CfA<br>CfA<br>CfA   | Frank Ghigo   | Confirmation and astrometric monitoring of the first VLBI-detected brown dwarf [J. Forbrich] | X     | 5         | 28 29                            | 8.50    |
| BL169      | Loinard, L.<br>Dzib, S.<br>Gomez, L.<br>Mioduszewski, A.<br>Deller, A.<br>Torres, R.M.<br>Rodriguez, L. F.  | Instituto de Astronomia (UNAM, Morelia, Mexico)<br><br>UNAM<br>NRAO - SOC<br>Swinburne<br>UNAM<br>Instituto de Astronomia, UNAM   | Frank Ghigo   | The distance to Monoceros: one of the nearest high-mass star-forming regions [L. Loinard]    | X     | 5         | 3 11                             | 11.00   |
| BN041      | Nakai, N.<br>Yamauchi, A.<br>Ishihara, Y.<br>Diamond, P. J.   | Tsukuba University<br>Nobeyama Radio Observatory<br>Nobeyama Radio Observatory<br>MERLIN/VLBI National Facility   | Jules Harnett | Determination of the distance to an AGN IC2560 by observing a water maser disk [N. Nakai]    | K     | 5         | 8 9                              | 7.50    |
| GBT09B-006 | Camilo, F.<br>Ransom, S.<br>Chatterjee, S.<br>Ray, P.S.<br>Lorimer, D.  | Columbia<br>NRAO-CV<br>Center for Astrophysics<br>NRL<br>WVU  | Scott Ransom  | Three newly discovered pulsars [F. Camilo]   | S     | U         | 10                               | 1.25    |
| GBT09B-029 | Kramer, M.<br>Stairs, I.<br>McLaughlin, M.<br>Ferdman, R.<br>Camilo, F.<br>Lyne, A. G.<br>Manchester, D.R.<br>N.<br>Possenti, A.<br>D'Amico, N.<br>Burgay, M.<br>Freire, P.<br>Perera, B. | Jodrell Bank<br>UBC<br>WVU<br>Obs. de Paris<br>Columbia<br>Manchester U<br>ATNF<br>Istituto di Astrofisica<br>Istituto di Astrofisica<br>Istituto di Astrofisica<br>MPIfR | Scott Ransom  | Timing and General Relativity in the Double Pulsar System [M. Kramer]                        | 8     | YB        | 15                               | 5.50    |
| GBT09B-031 | Lynch, R.<br>Ransom, S.<br>Lorimer, D.<br>McLaughlin, M.<br>Stairs, I.<br>Kaspi, V.<br>Cordes, J. M.<br>Champion, D.  | UVA<br>NRAO-CV<br>WVU<br>WVU<br>UBC<br>McGill University<br>NAIC and Cornell<br>ATNF  | Scott Ransom  | Timing the New GBT 350 MHz Drift Scan Pulsars [R. Lynch]                                     | 8     | U         | 16 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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|            | Archibald, A.<br>Kondratiev, V.<br>Boyles, J.<br>Hessels, J. W. T.<br>McPhee, C.<br>Roberts, M.<br>Kasian, L.<br>van Leeuwen, J.<br>Deneva, J. | West Virginia University<br>WVU<br>ASTRON<br><br>Eureka Scientific<br>University of British Columbia<br>University of British Columbia<br>Cornell |              |   |       |           |                |       |
| GBT09B-041 | Demorest, P.<br>Nice, D.<br>Stairs, I.<br>Ransom, S.<br>Ferdman, R.<br>Lommen, A.<br>Backer, D. C.<br>Gonzalez, M.                             | NRAO-CV<br>Bryn Mawr College<br>UBC<br>NRAO-CV<br>Obs. de Paris<br>Franklin and Marshall College<br>UC Berkeley                                   | Scott Ransom | Detecting nHz Gravitational Radiation using a Pulsar Timing Array [P. Demorest]         | L8    | YU        | 18 19 20 21    | 17.00 |
| GBT09C-014 | Camilo, F.<br>Ransom, S.<br>Gaensler, B.M.<br>Lorimer, D.  | Columbia<br>NRAO-CV<br>CFA<br>WVU   | Scott Ransom | The energetic pulsar J1747-2809 in the supernova remnant G0.9+0.1 [F. Camilo]           | S     | U         | 24             | 1.75  |
| GBT09C-051 | Braatz, J. A.<br>Condon, J. J.<br>Reid, M. J.<br>Henkel, C.<br>Lo, F.K. Y.<br>Kuo, C-Y.<br>Impellizzeri, C.M.V.<br>Hao, L.                     | NRAO - CV<br>NRAO-CV<br>Center for Astrophysics<br>MPIfR<br>NRAO-CV<br>UVA<br>NRAO<br>Cornell Dept. of Astronomy                                  | Jim Braatz   | The Megamaser Cosmology Project: Year 3 [J. A. Braatz]                                  | K     | S         | 10 12 13 14 15 | 40.00 |
| GBT09C-086 | Arzoumanian, Z.<br>Ransom, S.  | NASA/GSFC<br>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         | 10             | 4.00  |
| GBT09C-092 | Zeiger, B.<br>Darling, J.  | University of Colorado<br>U ColoradoBoulder   |              | Water and OH Masers in the Atmosphere of an Extrasolar Planet [B. Zeiger]               | K     | S         | 2              | 2.00  |
| GBT10A-022 | Miller, J.<br>McLaughlin, M.<br>Boyles, J.<br>Keane, E.<br>Lyne, A. G.<br>Kramer, M.<br>Lorimer, D.  | WVU<br>WVU<br>WVU<br>Manchester U<br>Manchester U<br>Jodrell Bank<br>WVU  | Scott Ransom | Continued Timing of Rotating Radio Transients [J. Miller]                               | 8     | U         | 22             | 5.00  |
| GBT10A-049 | Rosen, R.<br>McLaughlin, M.<br>Lorimer, D.<br>Heatherly, S.  | NRAO-GB<br>WVU<br>WVU<br>NRAO-GB  | Rachel Rosen | Confirmation and Follow-up Observations of New Pulsars Discovered by the PSC [R. Rosen] | 38    | U         | 4 21           | 4.00  |

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| GBT10A-061 | Ransom, S.<br>Ray, P.S.<br>Camilo, F.<br>Roberts, M.      | NRAO-CV<br>NRL<br>Columbia<br>Eureka Scientific |              | Timing of a 3.1ms pulsar discovered in a Fermi LAT unidentified gamma-ray source [S. Ransom] | L     | U         | 9                      | 1.00   |
| GLST021284 | Camilo, F.<br>Ransom, S.<br>Roberts, M.<br>McLaughlin, M. | Columbia<br>NRAO-CV<br>Eureka Scientific<br>WVU | Scott Ransom | GREEN BANK TELESCOPE TIMING OF KEY FERMI PULSARS [F. Camilo]                                 | S8    | UG        | 2 14 16 30             | 13.00  |
| Maint      | NRAO staff  |   |              | Maintenance  |       |           | 5 6 7 8 13 20 22<br>27 | 110.00 |
| Tests      | 800   |   |              | TRCO   |       |           | 13 20 22               | 4.50   |
| Total Hrs  | Astronomy<br>Maintenance<br>Un-assigned<br>Tests          | 194.00<br>110.00<br><br>4.50                    |              |  |       |           |                        |        |

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