

# GBT Observing Schedule for February 2003

| Proposal   | Investigators   | Institute   | NRAO Friend                   | Title   | Bands | Back Ends | Days *   | Hrs *             |
|------------|---|---|-------------------------------|---|-------|-----------|--|-------------------|
| BB155      | Ball, G. H.<br>Moran, J. M.<br>Greenhill, L. J.   | Harvard-Smithsonian CfA<br>CfA<br>Harvard-Smithsonian   | F. D. Ghigo                   | H2O Maser in M51 - Phased reference observations of M51 AGN [G. H. Ball]                      | K     | V         | 28   | 2.00              |
| GBT01A-014 | Braatz, J. A.<br>Greenhill, L. J.   | NRAO<br>Harvard-Smithsonian   | R. Maddalena                  | Detecting High-Velocity Masers to Reveal Nuclear Disks in Nearby AGNs [J. A. Braatz]          | K     | S         | (12 15 16 18)  | (42.75)           |
| GBT02A-008 | Roberts, M. S.<br>Maddalena, R.<br>Haynes, M. P.<br>Hogg, D. E.                         | NRAO-CV<br>NRAO-Green Bank<br>Cornell University<br>NRAO-CV   | R. Maddalena                  | A Study of the Hydrogen Reservoir Surrounding Galaxies [M. S. Roberts]                        | L     | S         | 5 9 14 16<br>[5 6 7 8 9 10 11<br>12 14 15 16 17<br>18] | 19.75<br>[113.00] |
| GBT02A-012 | Minter, A.<br>Balsler, D.   | NRAO - Green Bank<br>NRAO - Green Bank  | D. Balsler                    | Probing HI Structure On Sub-A.U. - A.U. Scales: Hydrodynamical or MHD Turbulence? [A. Minter] | L     | P         | 17   | 1.00              |
| GBT02A-031 | Lockman, F. J.  | NRAO-GB   |                               | Galactic HI Mapping of X-Ray, UV, and Optical Deep Fields [F. J. Lockman]                     | L     | SP        | 21<br>[19 20 21 24 25<br>26]                           | 4.00<br>[36.75]   |
| GBT02A-049 | Backer, D. C.<br>Stairs, I.<br>Nice, D.<br>Lommen, Andrea                               | University of California, Berkeley<br>University of British Columbia<br>Princeton University<br>University of California, Berkeley                              | G. I. Langston                | Exploration Of Millisecond Pulsar Timing Stability [D. C. Backer]                             | LS48  | CB        | 7 8 14 15  | 24.00             |
| GBT02A-052 | Stairs, I.<br>Manchester, R. N.<br>Lyne, A. G.  | University of British Columbia<br>Australia Telescope<br>NRAL   | F. D. Ghigo<br>G. I. Langston | Continued Multifrequency Monitoring of a Massive Pulsar System [I. Stairs]                    | LS468 | BP        | 6 21   | 8.00              |
| GBT02A-062 | Camilo, F.<br>Halpern, J. P.<br>Stairs, I.<br>Backer, D. C.<br>Arzoumanian, Z.          | Columbia Astrophysics<br>Laboratory<br>Columbia University<br>University of British Columbia<br>University of California, Berkeley<br>NASA/GSFC                 | A. Minter                     | Studying PSR J2229+6114: an Energetic Gamma-ray Emitting Young Pulsar [F. Camilo]             | L     | B         | 22   | 1.50              |
| GBT02B-010 | Henkel, C.<br>Braatz, J. A.<br>Carilli, C. L.<br>Lubowich, D. A.<br>Millar, T.          | Max-Planck-Institut fur Radioa<br>NRAO<br>NRAO<br>American Institute of Physics<br>UMIST  | R. Maddalena                  | The Kinetic Temperature of a Molecular Cloud at z=0.9 (NH3) [C. Henkel]                       | U     | S         | (23)   | (6.00)            |
| GBT02B-019 | Stairs, I.<br>Ransom, S.<br>Kaspi, V.<br>Hessels, Jason<br>Backer, D. C.<br>Lorimer, D. | University of British Columbia<br>McGill University<br>McGill University<br>McGill University<br>University of California, Berkeley<br>University of Manchester | G. I. Langston                | Timing of Newly Discovered Globular Cluster Pulsars [I. Stairs]                               | L8    | B         | 22   | 8.00              |
| GBT02B-021 | Chandler, A.<br>Jacoby, B.<br>Anderson, Stuart<br>Kulkarni, S. R.<br>Prince, T. A.      | Caltech Physics<br>Caltech Astronomy<br>Caltech Physics<br>Caltech<br>Caltech   | A. Minter                     | Timing the Six Millisecond Pulsars in M62 [B. Jacoby]   | L     | B         | 14   | 6.00              |

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

# GBT Observing Schedule for February 2003

| Proposal   | Investigators  | Institute  | NRAO Friend    | Title   | Bands   | Back Ends | Days *  | Hrs *            |
|------------|--|--|----------------|---|---------|-----------|---|------------------|
|            | Backer, D. C.  | University of California, Berkeley   |                |   |         |           |   |                  |
| GBT02C-023 | Lockman, F. J.   | NRAO-GB  | F. J. Lockman  | A Study of the HI Clouds in the Galactic Halo [F. J. Lockman]                 | L       | SPD       | [9 15 16 17 18<br>19 20 24 25 26]                             | [64.75]          |
| GBT02C-033 | Liszt, H.<br>Gerin, M.<br>Lucas, R.                                    | NRAO-CV<br>Ecole Normale Superieure<br>IRAM (Grenoble)   | F. D. Ghigo    | Search for C4H absorption in diffuse clouds at 19 GHz [H. Liszt]              | K       | S         | (7 8 9)   | (37.50)          |
| GBT02C-034 | Camilo, F.<br>Stairs, I.<br>Lorimer, D.<br>Backer, D. C.<br>Ransom, S. | Columbia Astrophysics<br>Laboratory<br>University of British Columbia<br>University of Manchester<br>University of California, Berkeley<br>McGill University | A. Minter      | Timing observations of the young pulsar in supernova remnant 3C58 [F. Camilo] | 8L      | B         | 22  | 4.00             |
| GBT03A-001 | Petrie, P<br>Turner, B.<br>Dunbar, R. C.                               | Australian National University<br>NRAO-CV<br>Case Western Reserve University   | F. D. Ghigo    | A Search For MgNC In Tmc [B. Turner]  | K       | SP        | (19 21 23)  | (24.00)          |
| GBT03A-027 | Ransom, S.<br>Kaspi, V.  | McGill University<br>McGill University   | G. I. Langston | Confirmation observations of a Newly Discovered Pulsar [S. Ransom]            | L8      | B         | 22  | 2.00             |
| Comm       | Ghigo  |  |                | Obs Checkout  | K       | S         | (10 11 14 17 19<br>25 26 28)                                  | (75.00)          |
| Comm       | O'Neil   |  |                | Spect checkout  | K       | S         | (20 23 24 28)   | (24.75)          |
| Comm       | Maddalena<br>Ghigo<br>O'Neil   |  |                | Training & Obs checkout   |         |           | (5 6 7)   | (19.75)          |
| Shutdown   | NRAO staff   |  |                | Un-assigned Shutdown  |         |           | 1 2 3 4   | 50.00            |
| Maint      | NRAO staff   |  |                | Maintenance   |         |           | 1 2 3 4 5 6 7 10<br>11 12 13 14 18<br>19 20 24 25 26<br>27 28 | 170.00           |
| Setup      | NRAO staff   |  |                | Observation setup   | KLS486U | VSPCB     | 5 6 7 9 14 16<br>17 21 22 28<br>(7 8 9 12 15 16<br>19 21 23)  | 13.75<br>(10.00) |
| Tests      | NRAO staff   |  |                | Baseline tests  | LSCXUK  | DSP       | 4 6 11 13 18 20<br>24 25 27                                   | 63.00            |
| Tests      | Minter   |  |                | M&C Reg tests   | LKSCXU  | DSP       | 10  | 8.00             |
| Tests      | Prestage   |  |                | PTCS tests  | LCSXKU  | DSP       | 12 13 26 27   | 31.00            |

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

# GBT Observing Schedule for February 2003

| Proposal  | Investigators | Institute | NRAO Friend | Title | Bands | Back Ends | Days * | Hrs * |
|-----------|---------------|-----------|-------------|-------|-------|-----------|--------|-------|
| Total Hrs | Shutdown      | 50.00     |             |       |       |           |        |       |
|           | Astronomy     | 190.50    | 214.50      |       |       |           |        |       |
|           | Setup         | 23.75     |             |       |       |           |        |       |
|           | Commissioning | 119.50    |             |       |       |           |        |       |
|           | Maintenance   | 170.00    |             |       |       |           |        |       |
|           | Un-assigned   | 16.25     |             |       |       |           |        |       |
|           | Tests         | 102.00    |             |       |       |           |        |       |
|           |               |           |             |       |       |           |        |       |

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