

GBT Observing for September 2002

| Proposal | Investigators | Institute | NRAO Friend | Title | Bands | Back Ends | Days | Hrs |
|------------|--|--|---------------|---|-------|-----------|----------------------------|-------|
| BA057 | Andre, P. Lestrade, J. F. Bontemps, Sylvain Charlot, P. Ducourant, C. | Centre d'Etudes de Saclay Observatoire de Paris / DEMIRMD Observatoire de Bordeaux Observatoire de Bordeaux Observatoire de Bordeaux | Ghigo, F. D. | Kinematics and distances of the rho Oph Protocluster | X | V | 7 8 13 14 | 18.00 |
| GBT01A-079 | Thorsett, S. Stairs, I. Arzoumanian, Z. | University of California NRAO - Green Bank NASA/GSFC | Ghigo, F. D. | Timing Fast Pulsars at the GBT | L | P | 22 | 4.00 |
| GBT02A-003 | Darling, J. Giovannelli, R. | Cornell University Cornell University | Ghigo, F. D. | Do Hyperluminous IR Galaxies Produce OH Gigamasers? | L | S | 1 | 3.25 |
| GBT02A-012 | Minter, A. Balsler, D. | NRAO - Green Bank NRAO - Green Bank | Balsler, D. | Probing HI Structure On Sub-A.U. - A.U. Scales: Hydrodynamical or MHD Turbulence? | L | P | 6 21 | 4.00 |
| GBT02A-021 | Lockman, F. J. Roshi, A.D. Balsler, D. | NRAO-GB NRAO-GB NRAO - Green Bank | Balsler, D. | A Search for Recombination Lines from Diffuse Gas in the Galactic Center Region | LSC | S | 5 6 12 20 | 20.25 |
| GBT02A-038 | Thilker, D. Braun, R. Walterbos, R. Corbelli, E. Lockman, F. J. Murphy, E. M. | Johns Hopkins University NFRA New Mexico State University Osservatorio Astrofisico Arcet NRAO-GB University of Virginia | Maddalena, R. | Probing the ultra-low NH environment and outer disks of M31 and M33 | L | S | 17 18 19 20 24 25 26 27 | 51.00 |
| GBT02A-052 | Stairs, I. Manchester, R. N. Lyne, A. G. | NRAO - Green Bank Australia Telescope NRAL | Ghigo, F. D. | Continued Multifrequency Monitoring of a Massive Pulsar System | 6LS | BP | 15 | 4.00 |
| GBT02A-060 | Nice, D. Stairs, I. Arzoumanian, Z. | Princeton University NRAO - Green Bank NASA/GSFC | Ghigo, F. D. | Timing and Polarimetry of Two Eclipsing Binary Pulsars | L8 | PS | 28 29 | 14.00 |
| GBT02A-062 | Camilo, F. Halpern, J. P. Stairs, I. Backer, D. C. Arzoumanian, Z. | Columbia Astrophysics Laborato Columbia University NRAO - Green Bank University of California NASA/GSFC | Ghigo, F. D. | Studying PSR J2229+6114: an Energetic Gamma-ray Emitting Young Pulsar | L | B | 21 | 1.00 |
| GBT02B-009 | Roshi, A.D. Deshpande, A.A. | NRAO-GB Raman Research Institute | Balsler, D. | AU scale HI structures: a probe using scattering of pulsar signals | L | P | 1 2 3 4 | 15.00 |
| GBT02B-019 | Stairs, I. Ransom, S. Kaspi, V. Hessels, Jason Backer, D. C. Lorimer, D. | NRAO - Green Bank McGill University McGill University McGill University University of California University of Manchester | Ghigo, F. D. | Timing of Newly Discovered Globular Cluster Pulsars | L | B | 21 | 8.00 |
| GBT02B-021 | Chandler, A. Jacoby, B. | Caltech Physics Caltech Astronomy | Ghigo, F. D. | Timing the Six Millisecond Pulsars in M62 | L | B | 10 11 | 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

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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| | Anderson, Stuart Kulkarni, S. R. Prince, T. A. Backer, D. C. | Caltech Physics Caltech Caltech University of California | | | | | | |
| GBT02C-023 | Lockman, F. J. | NRAO-GB | Lockman, F. J. | A Study of the HI Clouds in the Galactic Halo | L | SPD | 4 7 8 13 14 15 16 17 22 23 24 25 26 27 28 31 | 54.90 |
| GBT02C-034 | Camilo, F. Stairs, I. Lorimer, D. Backer, D. C. Ransom, S. | Columbia Astrophysics Laborato NRAO - Green Bank University of Manchester University of California McGill University | Ghigo, F. D. | Timing observations of the young pulsar in supernova remnant 3C58 | 8L | B | 21 | 4.00 |
| Comm | NRAO Staff | | | | L | SPD | 5 6 7 8 9 11 12 13 14 15 16 17 20 21 22 23 27 28 29 30 | 186.83 |
| Maint | NRAO Staff | | | | | | 3 4 5 6 9 10 11 12 16 17 18 19 23 24 25 26 30 | 200.50 |
| Setup | NRAO Staff | | | | XLSC68 | VPSBD | 1 2 4 6 7 8 10 11 13 14 15 16 17 18 19 20 21 22 24 25 26 27 28 29 | 33.50 |
| Tests | NRAO Staff | | | | L68 | Roshi | 1 2 3 4 9 10 11 18 19 21 22 23 24 | 93.75 |

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