

GBT Observing Schedule for February 2004

| Proposal | Investigators | Institute | NRAO Friend | Title | Bands | Back Ends | Days * | Hrs * |
|------------|---|--|-------------------------------|--|-------|-----------|-----------------------------------|------------------|
| GBT01A-054 | Langston, G. I. Bastian, T. S. | NRAO-GB NRAO | G. I. Langston | Search for Cyclotron Emission from known Extra-Solar Planets [G. I. Langston] | 3 | S | 16 17 18 | 21.50 |
| GBT01A-058 | Briggs, F. H. de Bruyn, A. G. Chengalur, J. Kanekar, N. Lane, W.M. Vermeulen, R. Little, B. | ANU NFRA NCRA (TIFR) Kapteyn Astronomical Institute Naval Research Lab Stichting ASTRON Australian National University | F. D. Ghigo G. I. Langston | High redshift Damped Lyman Alpha Systems against background Radio Galaxies [F. H. Briggs] | 3 | PS | 9 10 11 12 13 14 | 40.75 |
| GBT01A-061 | Lane, W.M. Briggs, F. H. Chengalur, J. Kanekar, N. Kassim, N. E. | Naval Research Lab ANU NCRA (TIFR) Kapteyn Astronomical Institute NRL | G. I. Langston K. O'Neil | A blind search for redshifted HI 21cm Absorption [W.M. Lane] | 3 | SP | 16 19 | 11.00 |
| GBT02A-025 | Hollis, J. M. Jewell, P. R. Lovas, F. J. Mollandal, H. | NASA/GSFC NRAO-GB National Institute of Standards and Technology University of Oslo | R. Maddalena | A Search for the Next Interstellar Aldehyde Sugar: Glyceraldehyde [J. M. Hollis] | UK | S | (25 27 28 29) | (43.75) |
| GBT02A-028 | Braatz, J. A. Langston, G. I. McMullin, J. Garwood, R. | NRAO NRAO-GB NRAO-CV NRAO-CV | J. A. Braatz | Exploring the Radio Spectrum of Orion A and W51 [J. A. Braatz] | LUKQ | S | 6 | 3.50 |
| GBT02A-031 | Lockman, F. J. | NRAO-GB | F. J. Lockman | Galactic HI Mapping of X-Ray, UV, and Optical Deep Fields [F. J. Lockman] | L | SP | 9 10 [22] | 14.25 [11.00] |
| GBT02A-046 | Braatz, J. A. Henkel, C. Wilson, A. S. | NRAO Max-Planck-Institut fur Radioa University of Maryland | J. A. Braatz | Monitoring a Maser Disk in Mrk 1419 [J. A. Braatz] | K | S | (24) | (3.25) |
| GBT02A-063 | Claussen, M. J. Wootten, H. A. Marvel, K. Wilking, B. A. | NRAO-SOC NRAO-CV American Astronomical Society University of Missouri | R. Maddalena A. Minter | Water Maser Monitoring of Low and Intermediate Mass Young Stellar Objects [M. J. Claussen] | K | S | 1 5 23 (24 26) | 10.25 (4.25) |
| GBT02A-069 | Fisher, R. | NRAO Green Bank Facility | | Galaxy Survey of HI emission [R. Fisher] | L | SP | 4 | 4.50 |
| GBT02B-016 | Solomon, P. Vanden Bout, P. A. | SUNY at Stony Brook NRAO-CV | R. Maddalena | Dense Molecular Gas and Star Formation in the High Redshift Universe (HCN) [P. Solomon] | K | S | 1 2 3 4 8 11 12 13 14 15 16 17 | 76.75 |
| GBT03A-006 | Kronberg, P. P. Perley, R. A. Giovannini, G. Ensslin, T. Kassim, N. E. | Los Alamos Labs NRAO - Socorro Istituto di Radioastronomia Max-Planck-Institut fuer Astro NRL | G. I. Langston | Proposal to search for diffuse low frequency synchrotron-radiating extensions of the Coma Cluster [P. P. Kronberg] | 3 | S | 20 | 5.25 |

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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| GBT03A-014 | Lockman, F. J. | NRAO-GB | F. J. Lockman | Halo HI Clouds: Distribution and Properties [F. J. Lockman] | L | PD | [29] | [6.00] |
| GBT03A-015 | Lane, W.M. Kanekar, N. Ellison, S.E. Chengalur, J. | Naval Research Lab Kapteyn Astronomical Institute European Southern Observatory NCRA (TIFR) | K. O'Neil | A Search for 21cm Absorption in High Redshift Damped Lyman-Alpha Absorbers [W.M. Lane] | 3 | P | 19 20 | 3.00 |
| GBT03A-016 | Stairs, I. Manchester, D.R. N. Lyne, A. G. | University of British Columbia Australia Telescope NRAL | A. Minter | The Physics of a Massive Pulsar System [I. Stairs] | L | BP | 21 | 2.25 |
| GBT03B-013 | Yun, M. Schneider, S. E. Brinks, E. Bravo-Alfaro, H. | University of Massachusetts University of Massachusetts INAOE Universidad de Guanajuato, Mexico | G. I. Langston | An Unbiased HI Survey of the Coma Cluster and Beyond [M. Yun] | L | S | 2 3 5 6 7 8 9 [23 24 25 26 27 28 29] | 46.00 [51.75] |
| GBT03B-015 | Ransom, S. Stairs, I. Kaspi, V. Hessels, J. W. T. Backer, D. C. | McGill University University of British Columbia McGill University McGill University University of California, Berkeley | A. Minter | Timing the Pulsars in the Globular Cluster M30 [S. Ransom] | LS | B | 23 | 7.25 |
| GBT03B-027 | Butner, H. M. Charnley, S.B. Kuan, Y. J. Ehrenfreund, P. Botta, O. Kisiel, Z. Despois, D. | Arizona Radio Observatory NASA/Ames Research Center Academia Sinica Leiden University Leiden University Institute of Physics, Polish Academy of Sciences Universite de Bordeaux | A. Minter | K-band Search for Quinoline and Isoquinoline [H. M. Butner] | K | S | 8 11 12 | 31.00 |
| GBT03B-030 | Benjamin, R.A. Lockman, F. J. | University of Wisconsin-Whitewater NRAO-GB | F. J. Lockman | High Velocity Clouds Interacting with the Milky Way? [R.A. Benjamin] | L | P | 1 2 | 13.00 |
| GBT03C-009 | Darling, J. | Carnegie Institution of Washington (Headquartes) | A. Minter | A Direct Measurement of Fine Structure "Constant" Evolution from OH and HI Absorption Lines [J. Darling] | 3 | S | 15 | 9.00 |
| GBT03C-031 | Jacoby, B. Anderson, S. Kulkarni, S. R. Kaplan, D.L. Backer, D. C. | Caltech Astronomy Caltech Physics Caltech Caltech University of California, Berkeley | A. Minter | Timing the pulsars in M62, NGC 6544, and NGC 6624 and Search for Ultra-fast pulsars [B. Jacoby] | L8 | BS2 | 28 | 7.00 |
| GBT04A-045 | Roberts, M. Hessels, J. W. T. Ransom, S. Kaspi, V. Tam, C.R. | McGill University (Physics Dept) McGill University McGill University McGill University McGill | A. Minter | Timing of Three Binary Pulsars Discovered in a Survey of Mid-Latitude EGRET Error Boxes [M. Roberts] | L8 | BG | 29 | 1.75 |

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| | Livingstone, M. Backer, D. C. Crawford, F. Kaplan, D.L. | McGill University of California, Berkeley Haverford College Caltech | | | | | | |
| GG053 | Garrett, M. Garrington, S. T. Muxlow, T. W. B. | JIVE NRAL NRAL | F. D. Ghigo | High resolution radio observations of the Hubble Deep Field Region. [M. Garrett] | L | V | 20 21 22 23 | 34.00 |
| Maint | NRAO staff | | | Install 340 MHz Feed | | | 7 | 6.50 |
| Maint | NRAO staff | | | Maintenance | | | 3 6 10 13 17 20 [24 25 26 27] | 52.50 [35.00] |
| Not Sched | NRAO staff | | | | | | (28) | (1.50) |
| Setup | NRAO staff | | | Observation setup | 3468UKLQS | SPDB2GV | 1 2 3 4 5 6 8 9 10 11 12 13 14 15 16 17 19 20 21 22 23 28 29 [22 23 24 25 26 28 29] (24 25 26 27 28) | 41.00 [9.00] (7.00) |
| Tests | Maddalena Prestage Balser | | | Holography | UHCK | SD | 4 5 | 7.00 |
| Tests | Fleming | | | M&C Integ tests | ULC | SDP | 4 | 4.00 |
| Tests | Fleming | | | MC Integ | CKQUS | DSP | 9 | 4.00 |
| Tests | Braatz | | | MC Reg | CKQUS | DSP | 7 8 | 12.00 |
| Tests | Balser Rood | | | PCO 2A41 | X | DSP | 26 27 28 | 17.00 |
| Tests | Ghigo | | | PCO 3C1 | L | O | 3 5 | 10.00 |
| Tests | Ghigo | | | PCO 3C2 | CK | SDP | 4 | 4.00 |
| Tests | Langston | | | PCO 3C26 | U | S | 4 | 3.50 |
| Tests | Minter | | | PCO 4A22 | K | S | 18 | 6.00 |
| Tests | O'Neil | | | PCO 4A29 | S | G | [29] | [5.00] |
| Tests | Ghigo | | | PCO 4A41 | KX | DSP | 15 | 7.00 |

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| Tests | Prestage | | | PTCS | QKUXSCL | DSP | 21 (22 23 24 25 26 29) | 8.75 (76.00) |
| Tests | Prestage Maddalena | | | PTCS/Holography | LCSXUKQ | DSP | 18 19 | 24.00 |
| Tests | Norrod | | | Q band | Q | S | 5 | 5.00 |
| Tests | Minter | | | RCO*3 | 3 | DSP | 7 | 3.00 |
| Tests | Langston | | | RCO*8 | 8 | DSP | [27 28] | [6.00] |
| Tests | NRAO staff | | | RFI Tests Fisher | L | P | [23 25] | [7.00] |
| Total Hrs | Astronomy | 393.25 | | 68.75 | | | | |
| | Setup | 48.00 | | 9.00 | | | | |
| | Maintenance | 59.00 | | 35.00 | | | | |
| | Un-assigned | 4.50 | | | | | | |
| | Tests | 191.25 | | 18 | | | | |

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