

GBT Observing Schedule for January 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 | | RIPL: Radio Interferometric PLANet Search [G. C. Bower] | X | 5 | 3 9 (17 19 31) | 17.00 (25.50) |
| BB242 | Braatz, J. A. Greenhill, L. J. Condon, J. J. Reid, M. J. Henkel, C. Lo, F.K. Y. | NRAO - CV CfA NRAO-CV Center for Astrophysics Max-Planck-Institut fur Radioa NRAO-CV | Jim Braatz | The Megamaser Cosmology Project [L. J. Greenhill] | K | V | 11 (24 26 27 29) | 12.50 (50.00) |
| GBT04A-003 | Curran, S. Whiting, M. Webb, J. Murphy, M. T. Pihlstrom, Y. Wiklund, T. Francis, P. | University of New South Wales Australia Telescope National Facility University of New South Wales Cambridge, University of UNM Space Telescope Science Institute Australian National University | Carl Bignell | Highly Redshifted HI and OH Absorption in Red Quasars [S. Curran] | A | SP | [31] | [3.00] |
| GBT07A-034 | Braatz, J. A. Condon, J. J. Greenhill, L. J. Henkel, C. Reid, M. J. Lo, F.K. Y. Hao, L. | NRAO - CV NRAO-CV CfA Max-Planck-Institut fur Radioa Center for Astrophysics NRAO-CV Cornell Dept. of Astronomy | Jim Braatz | The Megamaser Cosmology Project: A Survey for H2O Masers in SDSS and 2MRS AGNs [J. A. Braatz] | K | S | 10 | 4.00 |
| GBT07A-035 | Kanekar, N. Shirley, Y.L. | NRAO-AOC University of Arizona | Toney Minter | Using CCH lines to measure changes in fundamental constants [N. Kanekar] | Q | S | (20 22) | (6.00) |
| GBT07A-051 | Hollis, J. M. Remijan, A. Jewell, P. R. Lovas, F. J. | NASA/GSFC National Radio Astronomy Observatory NRAO-CV Nat'l Instit. of Standards and Technology | Ron Maddalena | A GBT Legacy Survey of Prebiotic Molecules Toward SgrB2(N-LMH) and TMC-1 [J. M. Hollis] | XUKBQ | S | 9 13 (25) | 6.25 (2.75) |
| GBT07A-066 | Braatz, J. A. Condon, J. J. Greenhill, L. J. Henkel, C. Reid, M. J. Lo, F.K. Y. | NRAO - CV NRAO-CV CfA Max-Planck-Institut fur Radioa Center for Astrophysics NRAO-CV | Jim Braatz | The Megamaser Cosmology Project [J. A. Braatz] | K | S | 2 3 8 16 (27 28 29 30) | 36.00 (36.42) |
| GBT07A-086 | Bregman, J. N. Irwin, M.J. | University of Michigan Institute of Astronomy | Jim Braatz | The Detection of the Missing Baryons with the NVII Line [J. N. Bregman] | QKB | S | 13 | 3.00 |
| GBT07A-087 | Demorest, P. Jacoby, B.A. Ferdman, R. | UC Berkeley (Physics) Naval Research Lab University of British Columbia | Scott Ransom | Detecting nHz Gravitational Radiation using a Pulsar Timing Array [P. Demorest] | 8L | YR | [17 19 24 26] | [32.00] |

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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| | Backer, D. C. Stairs, I. Nice, D. Lommen, A. Ransom, S. Bailes, M. Cognard, I | University of California, Berkeley University of British Columbia Bryn Mawr College Franklin and Marshall College NRAO - CV Swinburne University of Technology CNRS-Orleans | | | | | | |
| GBT07C-018 | Kanekar, N. Carilli, C. L. Stocke, J. T. | NRAO-AOC NRAO - Socorro University of Colorado | Jim Braatz | A blind GBT Q-band survey for redshifted molecular absorption [N. Kanekar] | Q | S | 3 | 4.50 |
| GBT07C-030 | Bregman, J. N. Irwin, M.J. Ji, J. | University of Michigan Institute of Astronomy | Toney Minter | The Detection of Redshifted Hot Baryons with the NVII Line [J. N. Bregman] | K | S | (20 21 22 23) | (20.00) |
| GBT07C-040 | Birkinshaw, M. Lancaster, K. Kus, A. J. Wilkinson, P. N. | University of Bristol Torun Center for Astronomy University of Manchester | Brian Mason | Investigating the radio--source environment of clusters in the OCRA SZ samples [K. Lancaster] | B | K | (20 21 22 23) | (12.50) |
| GBT07C-051 | Balser, D.S. Goss, W. M. | NRAO - Green Bank NRAO-SOC | Dana Balser | Pilot Project to Survey Galaxies for Young Nuclear Star Clusters [D.S. Balser] | Q | S | (31) | (3.00) |
| GBT07C-070 | Pisano, D.J. Wagg, J. Koo, D. | NRAO-GB NRAO - Soc Space Telescope Science Instit | D.J. Pisano | Searching for CO emission from z~1 Luminous Compact Blue Galaxies [D.J. Pisano] | Q | S | (20 22 24 26 28 30 31) | (19.00) |
| GBT08A-020 | Hessels, J. W. T. Ransom, S. Kaspi, V. Roberts, M. Champion, D. Stappers, B. | Universiteit van Amsterdam NRAO - CV McGill University Eureka Scientific, Inc. McGill University Netherlands Foundation for Research in Astronomy | Scott Ransom | Completing the GBT350 Pulsar and Transient Survey of the North Galactic Plane [J. W. T. Hessels] | 8 | G | [24 26] | [3.00] |
| GBT08B-014 | Kanekar, N. Chengalur, J. Ghosh, T. | NRAO-AOC NCRA (TIFR) Arecibo Observatory | Ron Maddalena | Probing changes in fundamental constants with conjugate satellite OH lines [N. Kanekar] | L | S | 1 2 3 5 6 7 9 10 11 14 15 [27 28 29 30] | 49.00 [26.00] |
| GBT08B-017 | Deneva, J. Cordes, J. M. Lazio, T.J.W. | Cornell University NAIC and Cornell University Naval Research Laboratory | Scott Ransom | Spectrum Estimation and Timing of Two Highly Dispersed Pulsars Near SGR A* [J. Deneva] | S | G | [24 26] | [2.00] |
| GBT08B-021 | Stairs, I. Thorsett, S. Arzoumanian, Z. | University of British Columbia University of California, Santa Cruz NASA/GSFC | Scott Ransom | The Pulsar Triple System in M4 [I. Stairs] | L | B | 1 | 1.25 |
| GBT08B-023 | Ferdman, R. Stairs, I. Kramer, M. | University of British Columbia University of British Columbia Jodrell Bank | Scott Ransom | Timing Binary Pulsars from the Parkes Multibeam Survey [R. Ferdman] | L | BY | 1 [28 30 31] | 4.00 [7.75] |

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| | McLaughlin, M. Demorest, P. Nice, D. Burgay, M. Camilo, F. D'Amico, N. Hobbs, G. Lorimer, D. Lyne, A. G. Manchester, D.R. N. Possenti, A. Faulkner, A. Backer, D. C. | WVU UC Berkeley (Physics) Bryn Mawr College Istituto Nazionale di Astrofisica Columbia Astrophysics Laboratory Osservatorio di Cagliari Australia Telescope National Facility (ATNF) West Virginia University Manchester, University of Australia Telescope Istituto Nazionale di Astrofisica University of Manchester University of California, Berkeley | | | | | | |
| GBT08B-025 | 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. | Jodrell Bank University of British Columbia WVU University of British Columbia Columbia Astrophysics Laboratory Manchester, University of Australia Telescope Istituto Nazionale di Astrofisica Osservatorio di Cagliari Istituto Nazionale di Astrofisica Arecibo Observatory | Scott Ransom | Timing and General Relativity in the Double Pulsar System [M. Kramer] | 8 | YBG | 14 15 [17 19 20 21 22 23] | 7.50 [20.00] |
| GBT08B-034 | Minter, A. Lockman, F. J. Benjamin, R.A. | NRAO - Green Bank NRAO-GB University of Wisconsin-Whitewater | Toney Minter | The Magnetic Field in the HVC Smith's Cloud and the Galactic Halo [A. Minter] | L | S | [31] | [3.00] |
| GBT08B-035 | Darling, J. Willett, K. | Colorado at Boulder, University of University of Colorado at Boulder | Frank Ghigo | A High Redshift OH Megamaser Survey [J. Darling] | 8 | S | [18 25] | [12.25] |
| GBT08B-045 | Boyles, J. Ransom, S. Lorimer, D. McLaughlin, M. Kondratiev, V. Stairs, I. McPhee, C. Archibald, A. Kaspi, V. Hessels, J. W. T. Lynch, R. Cordes, J. M. Roberts, M. Kasian, L. van Leeuwen, J. | West Virginia University NRAO - CV West Virginia University WVU West Virginia University University of British Columbia McGill University Universiteit van Amsterdam Virginia, University of NAIC and Cornell University Eureka Scientific, Inc. University of British Columbia University of British Columbia | Scott Ransom | Extending phase connection on new drift-scan pulsars [J. Boyles] | 8 | G | 25 [24 26] | 1.50 [2.00] |

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| | Deneva, J. Champion, D. | Cornell University McGill University | | | | | | |
| GBT08C-009 | Smail, I. Genzel, R. Ivison, R. J. Hainline, L. Blain, A. W. Tacconi, L. J. Bertoldi, F. Greve, T.R. Neri, R. Chapman, S.C. Harris, A. Baker, A.C. Cox, P. Omont, A. | University of Durham University of California, Berkeley Edinburgh, University of Caltech (Physics, Maths and Astronomy) Caltech Astronomy MPE U Bonn Caltech (Physics, Maths and Astronomy) IRAM U of Cambridge University of Maryland University of Maryland IAS/Instit. d'Astrophys. Spatiale Inst. d'Astrophysique de Paris | Frank Ghigo | A Combined GBT/PdBI CO Survey of Submm Galaxies [I. Smail] | B | Z | (17 18 19 25) | (40.00) |
| GBT08C-010 | Courtois, H. Tully, R.B. Fisher, R. Bonhomme, N. | Institute for Astronomy Institute for Astronomy NRAO Green Bank Facility | Toney Minter | Bulk motions of filaments in the Local Universe - Large Proposal - 08C [H. Courtois] | L | S | 6 7 | 3.50 |
| GBT08C-014 | Camilo, F. Ransom, S. Halpern, J. P. Reynolds, J. E. | Columbia Astrophysics Laboratory NRAO - CV Columbia University Australia Telescope National F | Scott Ransom | Studying the magnetar XTE J1810-197 [F. Camilo] | S | G | 10 [24 26] | 0.75 [1.50] |
| GBT08C-023 | Camilo, F. Ransom, S. Roberts, M. McLaughlin, M. Arzoumanian, Z. Freire, P. Romani, R. W. Halpern, J. P. Ray, P.S. | Columbia Astrophysics Laboratory NRAO - CV Eureka Scientific, Inc. WVU NASA/GSFC Arecibo Observatory Stanford University Columbia University Naval Research Lab | Scott Ransom | GLAST timing at GBT: six key radio-faint pulsars [F. Camilo] | S8 | GB | 10 15 [24 26] | 5.75 [7.50] |
| GBT08C-027 | Margot, J.L. Peale, S. Slade, M. | Cornell University Dept. of Physics, U. of Calif., Santa Barbara JPL | Frank Ghigo | Spin state and interior of Mercury [J.L. Margot] | X | X | 12 13 14 | 4.50 |
| GBT08C-035 | Braatz, J. A. Condon, J. J. Greenhill, L. J. Henkel, C. Lo, F.K. Y. Reid, M. J. | NRAO - CV NRAO-CV CfA Max-Planck-Institut fur Radioa NRAO-CV Center for Astrophysics | Jim Braatz | The Megamaser Cosmology Project: Year 2 [J. A. Braatz] | K | S | (31) | (5.25) |

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| | Kuo, C-Y. Zaw, I. Tilak, A. Hao, L. Lah, P. | ASIAA Johns Hopkins Cornell Dept. of Astronomy | | | | | | |
| GBT08C-049 | Lynch, R. Ransom, S. Freire, P. Stairs, I. | Virginia, University of NRAO - CV Arecibo Observatory University of British Columbia | Scott Ransom | Timing of Newly Discovered MSPs in the Globular Cluster NGC6517 [R. Lynch] | S | U | 18 | 6.00 |
| GBT08C-059 | Barriault, L. Joncas, G. Martin, P.G. Lockman, F. J. | Universite Laval University of Toronto NRAO-GB | Jay Lockman | GBT OH Observations at high galactic latitudes [L. Barriault] | L | S | 6 7 10 13 14 [18 27 29] | 16.00 [13.00] |
| GBT08C-065 | Wolfe, A. M. Jorgenson, R. Robishaw, T. Heiles, C. E. Prochaska, J. | University of California-San D University of California at San Diego University of California at Berkeley University of California University of California | Toney Minter | Search for Zeeman Splitting at High Redshift [A. M. Wolfe] | 8 | P | [20 21 22 23] | [26.00] |
| GBT08C-073 | Harris, A. Baker, A.C. Zonak, S. Sharon, C. | University of Maryland University of Maryland University of Maryland | Toney Minter | A CO(1-0) Survey of Dusty Galaxies at High Redshift [A. Harris] | B | Z | 1 (16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31) | 5.00 (96.75) |
| GBT08C-084 | Camilo, F. Halpern, J. P. Ransom, S. Gotthelf, E.V. | Columbia Astrophysics Laboratory Columbia University NRAO - CV University of Columbia | Scott Ransom | New pulsar identifications of TeV gamma-ray sources [F. Camilo] | S | G | 2 4 5 7 | 21.75 |
| GBT08C-086 | Kasian, L. Stairs, I. Kramer, M. Lorimer, D. Ransom, S. Freire, P. | University of British Columbia University of British Columbia Jodrell Bank West Virginia University NRAO - CV Arecibo Observatory | Scott Ransom | Continued GBT timing of a highly relativistic binary pulsar [L. Kasian] | LS | GY | 5 | 2.00 |
| GBT08C-088 | Pineda, J. Rosolowsky, E. Foster, J. Arce, H.G. Caselli, P. Myers, P. C. Goodman, A. A. | Harvard-Smithsonian Center for Astrophysics Harvard-Smithsonian Center for Astrophysics Am. Museum of Natural History Harvard-Smithsonian Center for Astrophysics Center for Astrophysics Center for Astrophysics | Jules Harnett | The COMPLETE GBT Ammonia Mapping of Perseus - v2.0 [J. Pineda] | K | S | 2 9 15 (21 23) | 14.25 (6.00) |

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| GBT08C-091 | Archibald, A. Boyles, J. Lorimer, D. McLaughlin, M. Ransom, S. Kondratiev, V. Stairs, I. Kaspi, V. McPhee, C. Hessels, J. W. T. Lynch, R. Cordes, J. M. Roberts, M. Kasian, L. van Leeuwen, J. Deneva, J. Champion, D. | West Virginia University West Virginia University WVU NRAO - CV West Virginia University University of British Columbia McGill University Universiteit van Amsterdam Virginia, University of NAIC and Cornell University Eureka Scientific, Inc. University of British Columbia University of British Columbia Cornell University McGill University | | Following up a potential new millisecond pulsar [A. Archibald] | S | G | 4 5 | 7.25 |
| GBT09A-002 | Anderson, L. Bania, T. M. Balsler, D.S. Rood, R. T. | Boston University NRAO - Green Bank University of Virginia | Dana Balsler | Discovering Milky Way HII Regions [L. Anderson] | X | DS | 14 [25 28 30] | 3.75 [7.92] |
| GBT09A-007 | Lockman, F. J. Burton, W. B. | NRAO-GB | Jay Lockman | Straightening Out the Galactic Warp [F. J. Lockman] | L | S | 1 [17 19] | 5.50 [19.00] |
| GBT09A-017 | Lockman, F. J. Chynoweth, K. Langston, G. I. | NRAO-GB NRAO-GB | Jay Lockman | GBT HI Observations of "Wright's Cloud" [F. J. Lockman] | L | S | [20 22 31] | [23.25] |
| GBT09A-046 | Chynoweth, K. Langston, G. I. Holley-Bockelmann, K. | NRAO-GB | Glen Langston | A Search for Faint Extended HI in Nearby Galaxy Groups - copy [K. Chynoweth] | L | S | 5 6 7 9 10 11 13 15 [16 17 18 19 21 23 24 25 26 28 30 31] | 41.50 [68.50] |
| GBT09A-072 | Nigra, L. Gallagher III, J. S. Stanimirovic, S. Lockman, F. J. Nidever, D. Majewski, S.R. | University of Wisconsin Wisconsin NRAO-GB Virginia, University of University of Virginia | Jay Lockman | Diagnosing the Agents of Aging on the Magellanic Stream [L. Nigra] | L | S | 1 2 4 14 [16 18 24 25 26] | 20.75 [20.75] |
| GBT09A-075 | Lynch, R. Ransom, S. Freire, P. Lorimer, D. Stairs, I. | Virginia, University of NRAO - CV Arecibo Observatory West Virginia University University of British Columbia | Scott Ransom | Searching for New Pulsars in Six Globular Clusters [R. Lynch] | S | U | [26 27 28 29 30] | [8.00] |
| GLST011217 | Tomsick, J.A. Corbel, S. | Calif.-San Diego CEA-Saclay | Jim Braatz | Probing the High Energy Emission of Microquasars with Multi-wavelength observations [J.A. Tomsick] | CX | SD | 2 9 (21 23 28 30) | 5.00 (10.00) |

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| | Migliari, S. Pottschmidt, K. Wilms, J. Rodriguez, J. Pooley, G. G. | Amsterdam Switzerland Mullard Radio Astronomy Observ | | | | | | |
| Calibratio | Ghigo | | | Gain Cal | Q | DSP | 12 | 7.00 |
| Maint | NRAO staff | | | Install PF1 | 8 | | 12 | 4.75 |
| Maint | NRAO staff | | | Maintenance [Install PF1 | | | 5 | 4.75 |
| Maint | NRAO staff | | | Maintenance [Install Mustang] | | | 6 | 8.50 |
| Maint | NRAO staff | | | Maintenance | A | | 8 12 15 16 20 [20 21 22 23 27 29] | 25.75 [51.00] |
| Not Sched | NRAO staff | | | | | | (21 23 25) | (5.25) |
| Tests | Ghigo | | | RCO*8 | 8 | S-GBT | 14 | 1.00 |
| Tests | NRAO staff | | | Holography | H | | 4 | 7.00 |
| Tests | NRAO staff | | | Mustang YGOR | M | | 11 12 | 15.00 |
| Tests | NRAO staff | | | Mustang Array 3 | M | | 13 (21 23) | 6.00 (12.00) |
| Tests | NRAO staff | | | Mustang OOF | M | | (24 26) | (8.00) |
| Tests | NRAO staff | | | RCO*A | A | DSP | [27 29] | [4.00] |
| Total Hrs | Astronomy Calibration Maintenance Un-assigned Tests | 642.92 7.00 43.75 6.25 49.00 | 306.42 51.00 4.00 | | | | | |

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