

# GBT Observing Schedule for December 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	Frank Ghigo	RIPL: Radio Interferometric PLANet Search [G. C. Bower]	X	5	4 12 27	26.00
BB261	Braatz, J. A. Condon, J. J. Greenhill, L. J. Henkel, C. Lo, F.K. Y. Reid, M. J. Kuo, C-Y. Zaw, I. Tilak, A. Hao, L. Lah, P.	NRAO - CV NRAO-CV CfA MPIfR NRAO-CV Center for Astrophysics UVA NYU CfA Cornell Dept. of Astronomy	Jim Braatz	The Megamaser Cosmology Project: Year 2 [J. A. Braatz]	K	5	6 22 23	25.00
GBT08C-035	Braatz, J. A. Condon, J. J. Greenhill, L. J. Henkel, C. Lo, F.K. Y. Reid, M. J. Kuo, C-Y. Zaw, I. Tilak, A. Hao, L. Lah, P. Impellizzeri, C.M.V.	NRAO - CV NRAO-CV CfA MPIfR NRAO-CV Center for Astrophysics UVA NYU CfA Cornell Dept. of Astronomy NRAO	Jim Braatz	The Megamaser Cosmology Project: Year 2 [J. A. Braatz]	K	S	1 2 5 6 11 12 14 16 17 18 20 21 26 27 29 30	71.00
GBT09A-058	Rosen, R. McLaughlin, M. Lorimer, D. Heatherly, S.	NRAO-GB WVU WVU NRAO-GB	Scott Ransom	Confirmation Observations of New Pulsars Discovered by the PSC [R. Rosen]	3	G	3	1.50
GBT09B-006	Camilo, F. Ransom, S. Chatterjee, S. Ray, P.S. Lorimer, D.	Columbia NRAO-CV Center for Astrophysics NRL WVU	Scott Ransom	Three newly discovered pulsars [F. Camilo]	S	U	11 24	2.50
GBT09B-024	Ransom, S. Camilo, F. Ray, P.S. Roberts, M.	NRAO-CV Columbia NRL Eureka Scientific	Scott Ransom	Searching for Radio Pulsars in Fermi Bright Unidentified Sources [S. Ransom]	8	U	20 21 22	11.25
GBT09B-029	Kramer, M. Stairs, I. McLaughlin, M. Ferdman, R. Camilo, F.	Jodrell Bank UBC WVU Obs. de Paris Columbia	Scott Ransom	Timing and General Relativity in the Double Pulsar System [M. Kramer]	8	YB	17	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

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	Lyne, A. G. Manchester, D.R. N. Possenti, A. D'Amico, N. Burgay, M. Freire, P. Perera, B.	Manchester U ATNF Istituto di Astrofisica Istituto di Astrofisica NAIC UWV						
GBT09B-031	Lynch, R. Ransom, S. Lorimer, D. McLaughlin, M. Stairs, I. Kaspi, V. Cordes, J. M. Champion, D. Archibald, A. Kondratiev, V. Boyles, J. Hessels, J. W. T. McPhee, C. Roberts, M. Kasian, L. van Leeuwen, J. Deneva, J.	UVA NRAO-CV WVU WVU UBC McGill NAIC and Cornell MPIfR McGill NFRA WVU U Amsterdam UBC Eureka Scientific University of British Columbia UC Berkeley Cornell	Scott Ransom	Timing the New GBT 350 MHz Drift Scan Pulsars [R. Lynch]	8	U	18	2.25
GBT09B-041	Demorest, P. Nice, D. Stairs, I. Ransom, S. Ferdman, R. Lommen, A. Backer, D. C. Gonzalez, M.	NRAO-CV Bryn Mawr College UBC NRAO-CV Obs. de Paris Franklin and Marshall College UC Berkeley	Scott Ransom	Detecting nHz Gravitational Radiation using a Pulsar Timing Array [P. Demorest]	8	YU	21	10.50
GBT09B-058	Lynch, R. Ransom, S.	UVA NRAO-CV	Scott Ransom	Continued Timing of Six Globular Cluster Millisecond Pulsars [R. Lynch]	S	U	18	1.25
GBT09B-060	Yusef-Zadeh, F. Braatz, J. A.	Northwestern NRAO - CV		Confirmation of Absorption by Water Molecules Toward the Galactic Center [J. A. Braatz]	K	S	14	2.50
GBT09B-061	Heatherly, S. Rosen, R.	NRAO-GB NRAO-GB		Maintenance Observing with the GBT [S. Heatherly]	38	U	5 10 11 13 18 19 20 28	70.00
GBT09B-062	Demorest, P. Ransom, S. Stairs, I. Nice, D. Bailes, M. Ferdman, R.	NRAO-CV NRAO-CV UBC Bryn Mawr College Swinburne University of Technology		Confirming Eclipses in the PSR J1909-3744 System [P. Demorest]	3	UY	2	1.50

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	Gonzalez, M. Lommen, A. Backer, D. C.	Obs. de Paris  Franklin and Marshall College UC Berkeley						
GBT09C-001	Bania, T. M. Anderson, L. Balsler, D.S. Rood, R. T.	Boston University  NRAO - Green Bank University of Virginia	Dana Balsler	Discovering Milky Way HII Regions [T. M. Bania]	X	DS	7 17 24 27 29	29.25
GBT09C-006	Magnani, L. Cotten, D.	University of Georgia	Daniel Perera	OH as a Tracer of "Dark" Molecular Gas [L. Magnani]	L	S	28 31	13.75
GBT09C-014	Camilo, F. Ransom, S. Gaensler, B.M. Lorimer, D.	Columbia NRAO-CV CFA WVU	Scott Ransom	The energetic pulsar J1747-2809 in the supernova remnant G0.9+0.1 [F. Camilo]	S	U	23	1.75
GBT09C-037	Urquhart, J. Morgan, L. Hoare, M.G. Figura, C.	University of Leeds St Mary's University University of Leeds	Jim Braatz	The RMS survey: probing the environments of young massive stars [J. Urquhart]	K	S	17	4.00
GBT09C-040	Di Francesco, J. Allen, T. Fischer, W. Poteet, C. Maret, S.	NRC-CNRC U Toledo U Toledo U Toledo UJF Grenoble	Daniel Perera	The Role of Environment in the Formation of Orion Protostars [J. Di Francesco]	K	S	10 15 16 26 27	9.25
GBT09C-050	Sajina, A. Partridge, R. B. Devlin, M.J. Korngut, P. Dicker, S. Evans, T.	University of British Columbia Haverford College UPenn UPenn UPenn	Brian Mason	90 GHz Flux Densities of Radio Source that Dominate the Confusion in SZ Surveys [A. Sajina]	M		5	3.25
GBT09C-054	Darling, J. Johnson, K. Brogan, C.L.	U Colorado UVA NRAO	Dana Balsler	A Sensitive Survey for Water Masers in Star-Forming Galaxies [J. Darling]	K	S	1 2 4 11 14 20 24	34.25
GBT09C-057	Ransom, S. Lorimer, D. McLaughlin, M. Stairs, I. Kaspi, V. Roberts, M. Lynch, R. van Leeuwen, J. van Leeuwen, J. Kondratiev, V. Boyles, J. Hessels, J. W. T.	NRAO-CV WVU WVU UBC McGill Eureka Scientific UVA UC Berkeley UC Berkeley NFRA WVU U Amsterdam	Scott Ransom	A 350-MHz Pulsar Survey of the Northern Celestial Cap [S. Ransom]	3	U	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 22 23 24 27 28 29 31	178.00

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	Archibald, A. Jenet, F.	McGill						
GBT09C-058	Ransom, S. Freire, P. Stairs, I. Hessels, J. W. T. Lynch, R.	NRAO-CV NAIC UBC U Amsterdam UVA	Scott Ransom	Long Term Timing of 55 Recycled Pulsars in Bulge Globular Clusters [S. Ransom]	8	U	18 20	9.00
GBT09C-063	Jensen, E.		Toney Minter	Faraday Rotation of MESSENGER CF During Superior Conjunction [E. Jensen]	X	P	10	5.25
GBT09C-065	Andersson, B-G. Heiles, C. E.	JPL University of California	Toney Minter	Validating the Chandrasekhar-Fermi method with H I Zeeman data [B-G. Andersson]	L	S	28 29 30 31	24.00
GBT09C-067	Bagla, J.S. Kanekar, N. Loeb, A.	Institute for Astronomy NCRA Center for Astrophysics	Jim Braatz	A search for redshifted 3HeII emission from Lyman- $\alpha$ blobs at $z \sim 3.09$ [N. Kanekar]	S	S	2 7 8 15	18.25
GBT09C-069	Kanekar, N.	NCRA	Ron Maddalena	Probing changes in the proton-electron mass ratio with radio molecular lines. [N. Kanekar]	U	S	1	3.00
GBT09C-072	Stairs, I. McPhee, C. Lynch, R. Ransom, S.	UBC UBC UVA NRAO-CV	Scott Ransom	Eclipses in a New Galactic Black-Widow Pulsar [I. Stairs]	83	UY	16 26 28	16.25
GBT09C-075	Bandura, K. Peterson, J. Pen, U-L Chang, T-C	Carnegie Mellon Carnegie Mellon U Toronto UT/CITA	Ron Maddalena	HI Brightness Mapping of zCOSMOS field [K. Bandura]	8	S	22	7.75
GBT09C-076	Kondratiev, V. Otte, N. Lyutikov, M.	NFRA McGill University	Scott Ransom	Crab Pulsar Giant Pulses: Is Correlation Between Radio and VHE Bands Real? [V. Kondratiev]	X	U	15	4.00
GBT09C-085	McLaughlin, M. Keane, E. Miller, J. Lyne, A. G. Kramer, M. Lorimer, D.	WVU Manchester U WVU Manchester U Jodrell Bank WVU	Scott Ransom	Continued Timing of Rotating Radio Transient Sources [M. McLaughlin]	8	U	21	4.50
GBT09C-090	Cosmovici, C. Pluchino, S. Pogrebenko, S.V. Braatz, J. A.	JIVE NRAO - CV	Jim Braatz	Confirmation of a Water Maser Detection in Lalande 21185 [J. A. Braatz]	K	S	28 29	5.00
GLST021284	Camilo, F. Ransom, S. Roberts, M. McLaughlin, M.	Columbia NRAO-CV Eureka Scientific WVU	Scott Ransom	GREEN BANK TELESCOPE TIMING OF KEY FERMI PULSARS [F. Camilo]	S8	UG	11 13 16 22 23	12.00

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GLST021296	Roberts, M. McLaughlin, M. Hessels, J. W. T. Ransom, S. Ray, P.S. Kerr, M.	Eureka Scientific WVU U Amsterdam NRAO-CV NRL U Washington	Scott Ransom	A PULSAR SURVEY OF FERMI SOURCES NOT IN THE BRIGHT SOURCE LIST [M. Roberts]	3	U	28 29	3.00
Shutdown	NRAO staff			Un-assigned Shutdown			24 25 26	36.00
Maint	NRAO staff			Maintenance			3 4 5 9 15 17 20 22 24 26 30	50.00
Tests	Demorest			GUPPI	L		9	0.25
Tests	NRAO staff			efficiency	KXS		21 22	2.25
Tests	Tim			spectrometer	L		9	0.75
Tests	Coherent GC tests			GUPPI	LS8		9 18 20 30	3.50
Tests	Shelton			M&C Integ	L		2 8 15	9.50
Tests	Shelton			M&C Reg	L		9	5.50
Tests	Mason			Mustang	M		1	4.50
Tests	Servo			PTCS	XQ		7 17	6.00
Tests	NRAO staff			RCO*3	3		22	0.50
Tests	NRAO staff			RCO*8	8		15	1.50
Tests	Ku			RFI Checkout	UX3L		10 24 26 28	7.00
Total Hrs	Shutdown Astronomy Maintenance Un-assigned Tests	36.00 616.75 50.00  41.25						

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