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VLBA Utilization Report December 2011

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BB240	Bower, G. Bolatto, A. Ford, E. Ketas, P.	Calif., Berkeley Calif., Berkeley Cfa Calif., Berkeley	RIPL: Radio Interferometric Planet Search		4	4,9,17	24
BB278	Braatz, J. Condon, J. Hao, L. Henkel, C. Impellizzeri, V. Kuo, C. Lo, K.Y. Reid, M.	NRAO NRAO Texas., Austin MPIfR NRAO UVa NRAO Cfa	The Megamaser Cosmology Project: Year 3		1	11,27,28,29	40
BB293	Brunthaler, A. Bower, G. Falcke, H. Henkel, C. Marti-Vidal, I. Menten, K. Reid, M.	MPIfR Calif., Berkeley Radbound Univ. MPIfR MPIfR MPIfR Cfa	The evolutio of SN 200Biz in M82		4,6,13,20	19	12
BB294	Braatz, J. Condon, J. Henkel, C. Huchra, J. Humphreys, L. Impellizzeri, V. Kuo, C. Lo, K.Y. Reid, M.	NRAO NRAO MPIfR Cfa ESO NRAO UVa NRAO Cfa	The megamaser cosmology project. IV		1	17	12
BB299	Boyles, J. Archibald, A. Deller, A. Kaspi, V. Kessels, J. Kondratiev, V. Lorimer, D. Lynch, R. McLaughlin, M. Ransom, S. Stairs, I. van Leeuwen, J.	West Virginia McGill Univ. NRAO McGill Univ. ASTRON NFRL West Virginia UVa West Virginia NRAO British Columbia NFRL	Measuring the proper motion and parallax for nearby recycled pulsar J2222-0137		20	4	2
BB301	Blundell, K. Doolin, S. Goodall, P. Heywood, I. Perez, S.	Oxford Oxford Oxford Oxford Oxford	Precession of the circumbinary ruff of the microquasar SS433 on milliarc scales		20	4	11.5
BC170	Creel, B. Claussen, M. Pihlstrom, Y. Sahai, R.	UNM NRAO-Socorro UNM JPL	Parallax Measurements of Proto-Planetary and Young Planetary Nebulae		1,20	5	8.25
BC196	Condon, J. Darling, J. Kovalev, Y. Petrov, L.	NRAO Colo., Boulder Lebedev Inst. NASA	A search for inspiraling, Binary, and Recoiling black holes in nearby galaxies		4,13	1,7,11,19	17
BD152	Deller, A. Brisken, W. Chatterjee, S. Cordes, J. Goss, M. Kovalev, Y. Lazio, J. Petrov, L.	NRAO NRAO Cornell Cornell NRAO-Socorro Lebedev Inst. NRL NASA	PRsBI: Mapping the Galactic distribution of pulsars with the VLBA		20	3,4,6,7,17,18,19,20,21	24.75

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BG207	Giroletti, M. Cotton, W. Edwards, P. Fuhrmann, L. Giovannini, G. Jorstad, S. Kino, M. Kovalev, Y. Krichbaum, T. Marscher, A. Orienti, M. Paneque, D. Perez-Rottes, M. Piner, G. Sokovsky, K.	INAF NRAO ATNF MPIfR INAF Boston NAO Lebedev Inst. MPIfR Boston INAF Stanford IAA Whittier MPIfR	Comprehensive VLBA monitoring of two TeV blazars		0.7,1,2	23	8
BK174	Kanekar, N. Momjian, E.	TIFR NRAO-Socorro	The covering factor of a damped Lyman-alpha system at z=0.6039		20	27	2
BL175	Lionard, L. Briceno, C. Dzib, S. Evans, N. Hartmann, L. Mioduszewski, A. Pech, G. Rodriguez, L. Torres, R.	UNAM CIDA UNAM Texas., Austin Mich., Ann Arbor NRAO-Socorro UNAM UNAM Bonn	The Gould's Belt Distances VLBA Survey		4	1,18	6
BL178	Lister, M. Aller, M. Chang, C. Gehrels, N. Hogan, B. Homan, D. Hovatta, T. Kadler, M. Kellermann, K. Kovalev, Y. Pushkarev, A. Ros, E. Savolainen, T. Zenus, A.	Purdue Mich., Ann Arbor MPIfR NASA Purdue Denison Univ. Purdue Erlangen-Nuremburg NRAO Lebedev Inst. MPIfR Univ. of Valencia MPIfR MPIfR	The VLBA 2cm MOJAVE/Fermi Program		2	12,29	47.75
BM350	Ma, C. Behrend, D. Boboltz, D. Fey, A. Fomalont, E. Gaume, R. Gipson, J. Gordon, D. Johnston, K. Kingham, K. MacMillan, D. Ojha, R. Thomas, C. Walker, C.	NASA NASA USNO USON NRAO USNO NASA NASA USNO USNO NASA USNO NASA NRAO-Socorro	VLBA Geodesy/Astrometry Observations for 2011		4,13	20	24
BM352	Melis, C. Bower, G. Mioduszewski, A. Reid, M. Stauffer, J.	Calif., San Diego Calif., Berkeley NRAO-Socorro Cfa Caltech	A VLBA Resolution of the Pleiades Distance controversy		4	23,30	20
BM353	Marscher, A. Agudo, I. Gomez, J. Hagen-Thorn, V. Jorstad, S. Larionov, V. MacDonald, N. Romney, J.	Boston IAA IAA St. Petersburg Boston St. Petersburg Boston NRAO-Socorro	Sub-parsec imaging of the Gamma-ray emission regions of blazars		0.7	2	24

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BR145	Reid, M. Bartkiewicz, A. Brunthaler, A. Chaoi, Y. Dame, T. Hachisuka, K. Menten, K. Mollenbrock, G. Moscadelli, L. Sanna, A. Sato, M. Xu, Y. Zhang, B. Zheng, X.	Cfa Nicolaus Copernicus MPIfR MPIfR Cfa Shanghai Obs. MPIfR NRAO-Socorro INA INA Tokyo Chinese Academy Nanjing Nanjing	Mapping the milky way		1	1,6,8,9,15 ,16,26,31	50
BR152	Rodriguez, L. Gomez, Y. Lionard, L. Mioduszewski, A.	UNAM UNAM UNAM NRAO-Socorro	The size and morpholgy of the Non-Thermal COmponent in Cyg OB2 #5			10	2
BR161	Rioja, M. Agudo, I. Dodson, R. Gomez, J. Jorstad, S. Marscher, A. Molina, S. Roy, A.	Western Australia Boston Western Australia IAA Boston Boston IAA MPIfR	High-Precision 22 & 43 GHz Astrometric Monitorin of the Cores in CJ287 & 3C273		0.7,1	10	12.5
BS214	Spolaor, S. Fabbiano, G. Lazio, J.	JPL Cfa JPL	Investigating NGC3393 as the Nearest Active Galactic Nucleus Pair		4,13	4,5,7,8	4
BW096	Wayth, R. Briskin, W. Deller, A. Majid, W. Thompson, D. Tingay, S. Wagstaff, K.	Curtin NRAO-Socorro NRAO-Socorro JPL JPL Curtin JPL	A VLBA 330 MHz survey for M81/M82 transients on timescales of ms to Ms		90	4	1
S3128	Chatterjee, S. Briskin, W. Camilo, F. Cordes, J. Deller, A. Fienga, A. Kramer, M. Lazio, J. McLaughlin, M. Ransom, S. Ray, P. Romani, R. Smith, D. Theureau, G. Vlemmings, W.	Cornell NRAO-Socorro Columbia Cornell NRAO Obs. de Paris MPIfR NRL Uest Virginia NRAO NRL Stanford Centr d' Etudes Obs. de Paris Bonn	Presicion distances and velocities for fermi-detected radio pulsars		20	13	3

Based on Actual Hours Observed

The average downtime was 20.28 hours 5.70%

Actual observing time was 335.47 hours

The VLBA was scheduled 100.00% of the time 744 hours of a possible 744 hours

Astronomical Observations = 47.82% (355.75 hours)
Tests and Calibrations = 11.18% (83.20 hours)
Maintenance = 11.80% (87.80 hours)
Number of unscheduled hours = 24.36% (181.25 hours)
Number of shutdown hours = 4.84% (36.00 hours)

Based on Scaled (128Mbps) Observing Hours

Number of scaled hours of astronomical observations = 1133.760hrs

Downtime = 5.70% (1069.1400 hours)

Actual observing =3068.38444 hours

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BB240	Bower, G. Bolatto, A. Ford, E. Kalas, P.	Calif., Berkeley Calif., Berkeley CfA Calif., Berkeley	RIPL: Radio Interferometric Planet Search		4	1,3,13	17
BB278	Braatz, J. Condon, J. Hao, L. Henkel, C. Impellizzeri, V. Lo, K.Y. Reid, M. Yu-Kuo, C.	NRAO NRAO Texas., Austin MPIfR NRAO NRAO CfA UVa	The Megamaser Cosmology Project: Year 3		1	1	8
BB299	Boyles, J. Archibald, A. Deller, A. Hessels, J. Kaspi, V. Kondratiev, V. Leeuwen, J. Lorimer, D. Lynch, R. McLaughlin, M. Ransom, S. Stairs, I.	West Virginia Univ. McGill Univ. NRAO ASTRON McGill Univ. NFRL NFRL West Virginia Univ. UVa West Virginia Univ. NRAO British Columbia	Measuring the proper motion and parallax for nearby recycled pulsar J222-0137		20	18	2
BB301	Blundell, K. Doolin, S. Goodall, P. Heywood, I. Perez, S.	Oxford Oxford Oxford Oxford Oxford	Precession of the circumbinary ruff of the microquasar SS433 on milliarc scales		20	5	11.25
BB302	Busch, M. Benner, L. Brisken, W. Brozovic, M. Giorgini, J. Nolan, M.	Calif., Los Angeles JPL NRAO-Socorro JPL JPL NAIC	Radar Speckle Observations of Near-Earth Asteroids During July-December 2011		13	11,12,13	1.5
BB306	Bietenholz, M. Bartel, N. Brunthaler, A. Chomiuk, L. Rupen, M. Soderberg, A. Zauderer, B.	York York MPIfR CfA NRAO-Socorro CfA CfA	VLBI observations to resolve the ejecta of SN2011dh in M51		4	26	13
BD152	Deller, A. Brisken, W. Chatterjee, S. Cordes, J. Goss, M. Kovalev, Y. Lazio, J. Petrov, L.	NRAO-Socorro NRAO-Socorro Cornell Cornell NRAO-Socorro Lebedev NRL NASA	PRsBI: Mapping the Galactic Distribution of Pulsars with VLBA		13,20	4,10,12,20 ,21,23,24	19.75
BD154	Desmurs, J. Alcolea, J. Bujarrabal, V. Lindqvist, M. Soria-Ruiz, R.	IGN IGN IGN Onsala IGN	Further observations of SiO v=3 J=1-0 maser emission from AGB stars.		0.7	4	8
BF104	Furuya, R. Cesaroni, R. Moscadelli, L. Sanna, A. Shinnaga, H.	NAOJ INA INA INA Caltech	Probing the water maser jet in G19.61-0.3		1	7	8

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BG207	Gioletti, M. Cotton, W. Edwards, P. Fuhrmann, L. Giovannini, G. Jorstad, S. Kino, M. Kovalev, Y. Krichbaum, T. Marscher, A. Orienti, M. Paneque, D. Perez-Torres, M. Piner, G. Sokovsky, K.	Bologna NRAO ATNF MPIfR Bologna Boston Univ. Japan Lebedev MPIfR Boston Univ. Bologna Stanford IAA Whittier MPIfR	Comprehensive VLBA monitoring of two TeV Blazars		0.7,1,2	28	8
BL176	Loinard, L. Deller, A. Dzib, S. Gomez, Y. Mioduszewski, A. Rodriguez, L. Torres, R.	UNAM NRAO-Socorro UNAM UNAM NRAO-Socorro UNAM Bonn	The distance to Monoceros: one of the nearest high-mass star-forming regions		4	6,8	18
BL178	Lister, M. Aller, M. Chang, C. Gehrels, N. Hogan, B. Homan, D. Hovatta, T. Kadler, M. Kellerman, K. Kovalev, Y. Pushkarev, A. Ros, E. Savolainen, T. Zensus, A.	Purdue Michigan., Ann Arbor MPIfR NASA Purdue Denison Univ. Purdue Nuremburg NRAO Lebedev MPIfR Valencia MPIfR MPIfR	The VLBA 2cm MOJAVE/Fermi Program		2	27	24
BM339	Miller-Jones, J. Altamirano, D. Fender, R. Heinz, S. Koerding, E. Maitra, D. Markoff, S. Migliari, S. Remillard, R. Rupen, M. Russell, D. Sarazin, C. Sivakoff, G. Tudose, V.	NRAO Univ. van Amsterdam Southampton Wisconsin CEA Univ. van Amsterdam Univ. van Amsterdam Calif., San Diego Massachusetts NRAO-Socorro Univ. van Amsterdam Uva Ohio NFRL	Probing jet acceleration and collimation in stellar-mass compact objects		4	19	6
BM343	McClintock, J. Reid, M.	Cfa Cfa	Measuring the Parallaxes of the X-ray Binaries Cyg X-1, Cyg X-2 and Cyg X-3		1,2	20	7
BR145	Reid, M. Bartkiewicz, A. Brunthaler, A. Choi, K. Dame, T. Hachisuka, K. Menten, K. Moellenbrock, G. Morscadelli, L. Sanna, A. Sato, M. Xu, Y. Zhang, B. Zhang, Y. Zheng, X.	Cfa UNC MPIfR MPIfR Cfa Shanghai MPIfR NRAO-Socorro Arcetri Arcetri Toyko Chinese Obs. Nanjing Nanjing MPIfR	Mapping the Milky Way		1,2	1,8,11,14, 17,22,25 26,28,30	68.25
BR161	Rioja, M. Bujarrabal, V. Diamond, P. Dodson, R.	Western Australia IGN Jodrell Bank Western Australia	High-Precision 22 & 43 GHz Astrometric Monitoring of the Cores in OJ287 & 3C273		0.7,1	10	12.5

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BS212	Soderberg, A. Berger, E. Bietenholz, M. Brunthaler, A. Frail, D. Rupen, M. Zauderer, B.	Cfa Cfa York MPIfR NRAO-Socorro NRAO-Socorro Cfa	VLBI Observations will reveal the nature of the most peculiar GRB 110328A		1,4	21	7
BS214	Spolaor, S. Fabbiano, G. Lazio, J.	JPL Cfa JPL	Investigating NGC3393 as the Nearest Active Galactic Nucleus Pair		4,13	1,3,19,22,23	5
GM068	McKean, J. Auger, M. Fassnacht, C. Koopmans, L. Lagattuta, D. Vegetti, S.	ASTRON Calif., Santa Barbara Calif., Davis Univ. of Groningen Calif., Davis Massachusetts	Gravitational lensing by a low-mass dwarf galaxy at redshift 0.9		20	6	14
S3125	Savalaninin, T. Gehrels, N. Kovalev, Y. Nilsson, K. Sokolovsky, K.	MPIfR NASA Lebedev Univ. of Turku MPIfR	Filming the jets of the archetypical gamma-ray quasars 3c273 and 3c279 at Sub-Parsec Resolution		0.3,0.7,1,2,4,6	4,29	16
S3128	Briskin, W. Camilo, F. Chatterjee, S. Cordes, J. Deller, A. Fienga, A. Kramer, M. Lazio, J. McLaughlin, M. Ranson, S. Ray, P. Romani, R. Smith, D. Theureau, G. Vlemmings, W.	NRAO-Socorro Columbia Cornell Cornell NRAO-Socorro Obs. de Paris MPIfR NRL West Virginia NRAO NRAL Cfa Obs. de Paris Obs. de Paris Bonn	Precision distances and velocities for fermi-detected radio pulsars		20	5	3

Based on Actual Hours Observed

The average downtime was 9.63 hours 3.30%

Actual observing time was 282.13 hours

The VLBA was scheduled 100.00% of the time 720 hours of a possible 720 hours

Astronomical Observations = 40.52% (291.75 hours)
 Tests and Calibrations = 19.61% (141.75 hours)
 Maintenance = 7.92% (57.00 hours)
 Number of unscheduled hours = 28.62% (206.75 hours)
 Number of shutdown hours = 3.33% (24.00 hours)

 Based on Scaled (128Mbps) Observing Hours

Number of scaled hours of astronomical observations = 942.43 hrs

Downtime = 3.30% (31.10019 hours)

Actual observing = 911.32981 hours

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BA099	Alatalo, K. Nyland, K. Wrobel, J.	Calif., Berkeley NMT NRAO-Socorro	VLBA Observations of the Unusual Galaxy NGC 1266		20	5	8
BB240	Bower, G. Bolatto, A. Ford, E. Kalas, P.	Calif., Berkeley Calif., Berkeley CfA Calif., Berkeley	RIPL: Radio Interferometric Planet Search		4	2,28,31	16
BC196	Condon, J. Darling, J. Kovalev, Y. Petrov, L.	NRAO Colorado., Boulder Lebedev NASA	A Search for Inspiralng, Binary, and Recoiling Black Holes in Nearby Galaxies		4,13	12,15,26	12
BD152	Deller, A. Briskin, W. Chatterjee, S. Cordes, J. Goss, M. Kovalev, Y. Lazio, J. Petrov, L.	NRAO NRAO-Socorro Cornell Cornell NRAO-Socorro Lebedev NRL NASA	PSRPI: Mapping the Galactic distribution of pulsars with the VLBA		20	25,26,28,29	10
BF102	Fomalont, E. Giovannini, G. Kellermann, K. Kovalev, Y. Langston, G. Romney, J.	NRAO Bologna NRAO Lebedev NRAO NRAO-Socorro	Strong Source Search in Support of Radioastron Fringe-Finding		1,6,20	1	7
BG207	Giroletti, M. Cotton, W. Edwards, P. Giovannini, G. Jorstad, S. Kino, M. Kovalev, Y. Krichbaum, T. Marscher, A. Orienti, M. Paneque, D. Perez-Torres, M. Piner, G. Sokovsky, K.	Bologna NRAO ATNF Bologna Boston Japan Obs. Lebedev MPIfR Boston Bologna Stanford IAA Whittier MPIfR	Comprehensive VLBA monitoring of two TeV Blazars		0.7,1,2	29	8
BG208	Gupta, N. Momjian, E. Srianand, R.	NFRA NRAO-Socorro IUCCA	Physical conditions and small-scale structure in the ISM of z=0.08 galaxy		20	1	5
BK173	King, A. Bietenholz, M. Miller, J. Rupen, M.	Michigan., Ann Arbor York Michigan., Ann Arbor NRAO-Socorro	An Extraordinary Flare in teh Nearest LINER		1,4	2	4
BL175	Loinard, L. Briceno, C. Dzib, S. Evans, N. Hartmann, L. Mioduszewski, A. Pech, G. Rodriguez, L. Torres, R.	UNAM CIDA UNAM Texas., Austin Univ. of Michigan NRAO-Socorro UNAM UNAM Bonn	The Gould's Belt Distances VLBA Survey		4	16	6
BL178	Lister, M. Aller, M. Chang, C. Gehrels, N. Hogan, B. Homan, D. Hovatta, T. Kadler, M. Kellerman, K. Kovalev, Y. Pushkarev, A. Ros, E. Savolainen, T. Zensus, A.	Purdue Michigan., Ann Arbor MPIfR NASA Purdue Denison Univ. Purdue Nuremburg NRAO Lebedev MPIfR Valencia MPIfR MPIfR	The VLBA 2cm MOJAVE/Fermi Program		2	3	24.75

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BM339	Miller-Jones, J. Altamirano, D. Fender, R. Heinz, S. Koerding, E. Maitra, D. Markoff, S. Migliari, S. Remillard, R. Rupen, M. Russell, D. Sarazin, C. Sivakoff, G. Tudose, V.	NRAO Univ. van Amsterdam Southampton Wisconsin CEA Univ. van Amsterdam Univ. van Amsterdam Calif., San Diego Massachusetts NRAO-Socorro Univ. van Amsterdam UVa Ohio NFRL	Probing jet acceleration and collimation in stellar-mass compact objects		4,13	11	6
BM350	Behrend, D. Boboltz, D. Fey, A. Fomalont, E. Gaume, R. Gipson, J. Gordon, D. Johnston, K. Kingham, K. Ma, C. MacMillan, D. Ojha, R. Thomas, C. Walker, C.	NASA USNO USNO NRAO USNO NASA NASA NASA NASA NASA NASA NASA NASA NRAO-Socorro	VLBA Goedesy/Astrometry Observations for 2011		4,13	12	24
BM353	Marscher, A. Agudo, I. Gomez, J. Hagen-Thorn, V. Jorstad, S. Larionov, V. MacDonald, N. Romney, J.	Boston IAA IAA St. Petersburg Boston St. Petersburg Boston NRAO-Socorro	Sub-parsec Imaging of the Gamma-ray Emission Regions of Blazars		0.7	16	24
BR145	Reid, M. Bartkiewicz, A. Brunthaler, A. Choi, K. Dame, T. Hachisuka, K. Menten, K. Moellenbrock, G. Morscadelli, L. Sanna, A. Sato, M. Xu, Y. Zhang, B. Zhang, Y. Zheng, X.	Cfa UNC MPIFR MPIFR Cfa Shanghai MPIFR NRAO-Socorro Arcetri Arcetri Tokyo Chinese Obs. Nanjing Nanjing MPIFR	Mapping the Milky Way		1	2,4,13,14, 15,17,20,2 1,22,23,24 ,27,28,30	96.25
BR152	Rodriguez, L. Gomez, Y. Loinard, L. Mioduszewski, A.	UNAM UNAM UNAM NRAO-Socorro	The size and morphology of the Non-Thermal Component in Cyg OB2 #5		4	29	2
BR155	Rioja, M. Bujarrabal, V. Diamond, P. Dodson, R.	Western Australia IGN Jodrell Bank Western Australia	Study of the Astrometric Alignment of S10 Maser Emission at 43/86-GHz in AGBs		0.3,0.7	27	6.25
BR161	Rioja, M. Agudo, I. Dodson, R. Gomez, J. Jorstad, S. Marscher, A. Molina, S. Roy, A.	Western Australia Boston Western Australia IAA Boston Boston IAA MPIFR	High-Precision 22 & 43 GHz Astrometric Monitoring of the Cores in OJ287 & 3C273		0.7,1	30	12.5
BS214	Spolaor, S. Fabbiano, G. Lazio, J.	JPL Cfa JPL	Investigating NGC3393 as the Nearest Active Galactic Nucleus Pair		4,13	15,20,24,2 8	4

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BW094	Walker, C. Beilicke, M. Cheung, C. Giroletti, M. Hardee, P. Harris, D. Junor, B. Krawczynski, H. Mazin, D. McConville, W. Raue, M. Torres, M. Wagner, R. Wagner, S.	NRAO-Socorro Washington Univ. NRL Bologna Univ. of Alabama CfA Univ. of California Washington Univ. IFAE Maryland MPIfR IAA MPIfR MPIfR	Flaring in the 43 GHz Radio Core of M87		0.7	2	1
BX006	Xu, D. Garrett, M. Michalowski, M. Paragi, Z. Yang, J.	Weizmann NFRL Edinburgh JIVE JIVE	Revealing the Structure of a Gamma-Ray Burst Next Door: GRB 111005A at 56.6 Mpc		2	21	6
GB072	Bartel, N. Bietenholz, M.	York York	Deceleration fo the Shell of SN 1979C, Mass-Loss, and the Distance to Virgo		6	25	14.5
GF017	Fuhrmann, L. Angelakis, E. Ciprini, S. Giroletti, M. Krichbaum, T. Orienti, M. Zensus, A.	MPIfR MPIfR Bologna Bologna MPIfR Bologna MPIfR	The 2008 gamma-ray outburst of PKS1502+106		0.3,0.7	6	69
GL035	Lobanov, A. Bremer, M. Hagiwara, Y. Kovalev, Y. Krichbaum, T. Lee, S. Zensus, J.	MPIfR IRAM Hawaii Moscow MPIfR KASI MPIfR	Microarosecond-scale structure of extragalactic radio sources at 86 GHz		0.3,0.7	10	41
GM066	Marscher, A. Agudo, I. Fuhrmann, L. Jorstad, S. Kovalev, Y. Krichbaum, T. Marti-Vidal, I. Savolainen, T.	Boston Boston MPIfR Boston Lebedev MPIfR MPIfR MPIfR	Continued 3 mm imaging of gamma-ray Blazars		0.3,0.7	9	10
S3125	Savolainen, T. Gehrels, N. Kovalev, Y. Nilsson, K. Sokolovsky, K.	MPIfR NASA Lebedev Univ. of Turku MPIfR	Filming the jets of the archetypicla gamma-ray quasars 3c273 and 3c279 at Sub-Parsec Resolution		0.3,0.7,1, 2	23	8
S3128	Briskin, W. Chatterjee, S. Briskin, W. Camilo, F. Cordes, J. Deller, A. Fienga, A. Kramer, M. Lazio, J. McLaughlin, M. Ransom, S. Ray, P. Romani, R. Smith, D. Theureau, G. Vlemmings, W.	NRAO-Socorro Cornell NRAO-Socorro Columbia Cornell NRAO-Socorro Obs. de paris MPIfR NRL West Virginia NRAO NRAL CfA Obs. de Paris Obs. de Paris Bonn	Precision distances and velocities for fermi-detected radio pulsars		20	14	3

Based on Actual Hours Observed

The average downtime was 19.00 hours 4.40%

Actual observing time was 429.25 hours

The VLBA was scheduled 100.00% of the time 744 hours of a possible 744 hours

Astronomical Observations	=	57.69%	(429.25 hours)
Tests and Calibrations	=	9.82%	(73.05 hours)
Maintenance	=	7.66%	(57.00 hours)
Number of unscheduled hours	=	24.83%	(184.70 hours)
Number of shutdown hours	=	0.00%	(0.00 hours)

Based on Scaled (128Mbps) Observing Hours

Number of scaled hours of astronomical observations = 1203.93 hrs

Downtime = 4.40% (52.97274 hours)

Actual observing = 1150.953256 hours

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BB240	Bower, G. Boiatto, A. Ford, E. Kalas, P.	Calif., Berkeley Calif., Berkeley Cfa Calif., Berkeley	RIPL: Radio Interferometric Planet Search		4	4,11,13,18,25	40
BB293	Bower, G. Brunthaler, A. Falcke, H. Henkel, C. Menten, K. Reid, M. Vidal, I.	Calif., Berkeley MPIfR Nijmegen MPIfR MPIfR Cfa MPIfR	The Evolution of Sn 2008iz in M82		4,6,13,20	23	12
BB316	Boboltz, D. Claussen, M. Wittkowski, M.	UNSO NRAO-Socorro ESO	Multi-wavelength Imaging of the circumstellar Atmosphere of Mira (o Cet)		0.7	27	6
BC196	Condon, J. Darling, J. Kovalev, Y. Petrov, L.	NRAO Boulder Lebedev NASA	A Search for Inspirling, Binary, and Recoiling Black Holes in Nearby Galaxies		4,13	1,7,10	19
BD152	Deller, A. Briskin, W. Chatterjee, S. Cordes, J. Goss, M. Kovalev, Y. Lazio, J. Petrov, L.	NRAO-Socorro NRAO-Socorro Cornell Cornell NRAO-Socorro Lebedev NRL NASA	PRSB1: Mapping the Galactic Distribution of Pulsars with VLBA		13	11	2.5
BG207	Giroletti, M. Cotton, W. Edwards, P. Fuhrmann, L. Giovannini, T. Jorstad, S. Kino, M. Kovalev, Y. Krichbaum, T. Marscher, A. Orienti, M. Paneque, D. Perez-Torres, M. Piner, G. Sokovsky, K.	Bologna NRAO ATNF MPIfR Bologna Boston Univ. Japan Lebedev MPIfR Boston Univ. Bologna Stanford IAA Whittier MPIfR	Comprehensive VLBA monitoring of two TeV Blazars		0.7,1,2	28	8
BK173	King, A. Bietenholz, M. Miler, J. Rupen, M.	Michigan., Ann Arbor York Michigan., Ann Arbor NRAO-Socorro	An Extraordinary Flare in the Nearest LINER		1,4	17,20,26	12
BL149	Lister, M. Cooper, N. Fromm, C.	Purdue Purdue MPIfR	The VLBA 2cm, MOJAVE/GLAST Program		2	12	24.25
BL176	Loinard, L. Deller, A. Dzib, S. Gomez, Y. Mioduszewski, A. Rodriguez, L. Torres, R.	UNAM NRAO-Socorro UNAM UNAM NRAO-Socorro UNAM Bonn	The distance to Monoceros: one of the nearest high-mass star-forming regions		4	15,19,26	27
BM303	Marscher, A. Agudo, I. Gomez, J. Hagen-Thron, V. Jorstad, S. Larinov, V.	Boston Univ. IAA IAA St. Petersburg Boston Univ. St. Petersburg	Comprehensive Multiwaveband Monitoring of Gamma-Ray Bright Blazars		0.7	16	24

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BM339	Miller-Jones, J. Altamirano, D. Fender, R. Heinz, S. Koerding, E. Maitra, D. Markoff, S. Migliari, S. Remillard, R. Rupen, M. Russell, D. Sarazin, C. Sivakoff, G. Tudose, V.	NRAO van Amsterdam Southampton Wisconsin CEA van Amsterdam van Amsterdam Calif., San Diego Massachusetts NRAO-Socorro Univ. van Amsterdam UVa Ohio NFRL	Probing jet acceleration and collimation in stellar-mass compact objects		4,13	4,8,18	14
BR145	Reid, M. Bartkiewicz, A. Brunthaler, A. Choi, Y. Dame, T. Hachisuk, K. Menten, K. Moellenbrock, G. Moscadelli, L. Sanna, A. Sato, M. Xu, Y. Zhang, B. Zheng, X.	Cfa UNC MPIfR MPIfR Cfa Shanghai MPIfR NRAO-Socorro Arcetri Arcetri Toyko Chinese Acedemy Nanjing Nanjing	Mappign the Milky Way		1	2,5,6,9,11 ,15,20,25, 26,29	72
BS212	Soderberg, A. Berger, E. Bietenholz, M. Brunthaler, A. Frail, D. Rupen, M. Zauderer, B.	Cfa Cfa York MPIfR NRAO-Socorro NRAO-Socorro Cfa	VLBI OBSercations will reveal the nature of the most peculiar GRB 110328A		1,4	17	7
BW094	Walker, C. Celicke, M. Cheung, C. Giroletti, M. Hardee, P. Harris, D. Junor, B. Krawczynski, H. Mazin, D. McConville, W. Perez-Torres, M. Raue, M. Wagner, R. Wagner, S.	NRAO-Socorro Washington Univ. NRL IRA Univ. of Alabama Cfa Univ. of California Washington Univ. IFAE Univ. of California IAA MPIfR MPIfR MPIfR	Flaring the 43 GHz Radio Core of M87		0.7	8,9	2.5
BY132	Yusef-Zadeh, F. Brunthaler, A. Cotton, W. Dowell, D. Wardle, M.	Northwestern MPIfR NRAO Caltech Macquarie Univ.	Coordinated Study of Flaring Activity of Sgr A* at 3mm with Hershel		0.3,0.7	1	13.5
S4172	Jorstad, S. Marscher, A.	Boston Univ. Boston Univ.	Exploration of Gamma-Ray Blazars Across the Electromagnetic Spectrum		0.7	19,23,28	48

Based on Actual Hours Observed

The average downtime was 14.92 hours 4.50%

Actual observing time was 316.82 hours

The VLBA was scheduled 100.00% of the time 720 hours of a possible 720 hours

Astronomical Observations = 46.08% (331.75 hours)
Tests and Calibrations = 18.84% (135.65 hours)
Maintenance = 10.88% (78.32 hours)
Number of unscheduled hours = 24.20% (174.27 hours)
Number of shutdown hours = 0.00% (00.00 hours)

Based on Scaled (128Mbps) Observing Hours

Number of scaled hours of astronomical observations = 1094.802 hrs

Downtime = 4.50% (49.26609 hours)

Actual observing =1045.5360 hours

File

VLBA Utilization Report August 2011

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BB240	Bower, G. Bolatto, A. Ford, E. Kalas, P.	Calif., Berkeley Calif., Berkeley CfA Calif., Berkeley	RIPL: Radio Interferometric Planet Search		4	5,13,26	24
BB293	Bower, G. Brunthaler, A. Falcke, H. Henkel, C. Menten, K. Reid, M. Vidal, I.	Calif., Berkeley MPIfR Nijmegen MPIfR MPIfR CfA MPIfR	The Evolution of Sn 2008iz in M82		4,6,13,20	14	12
BB306	Bietenholz, M. Bartel, N. Brunthaler, A. Chomiuk, L. Rupen, M. Soderberg, A. Zauderer, B.	York York MPIfR CfA NRAO-Socorro CfA CfA	VLBI observations to resolve the ejecta of SN2011 dh in M51		1,4	21	13
BC170	Creel, B. Claussen, M. Philstrom, Y.	UNM NRAO-Socorro UNM	Parallax Measurements of Proto-Planetary Young Planetary Nebulae		1,20	8	8.25
BC196	Condon, J. Darling, J. Kovalev, Y. Petrov, L.	NRAO Boulder Lebedev NASA	A Search for Inspiralng, Binary, and Recoiling Black Holes in Nearby Galaxies		4,13	2,6,14,17,30	36.75
BC199	cenko, S. Bloom, J. Bower, G. Frail, D. Horesh, A. Kulkarni, S.	Calif., Berkeley Calif., Berkeley Calif., Berkeley NRAO-Socorro Caltech Caltech	Sw J2058+05: A Possible Second Relativistic Tidal Disruption Flare		1,4	12	8.25
BD152	Delser, A. Briskin, W. Chatterjee, S. Cordes, J. Goss, M. Kovalev, Y. Lazio, J. Petrov, L.	NRAO-Socorro NRAO-Socorro Cornell Cornell NRAO-Socorro Lebedev NRL NASA	PRsBI: Mapping the Galactic Distribution of Pulsars with VLBA		20	11,17,21,26	10
BF100	Forbrich, J. Berger, E. McLean, M.	CfA CfA CfA	Confirmation and astrometric monitoring of the first VLBI-detected brown dwarf		4,13	3	6
BG196	Gubuzda, D. Kudryavtseva, N. Lisakov, M. Lister, M. Mahnud, M. McCann, M. Murphy, E. Pushkarev, A. Reichstein, A. Vitrichchank, V.	Cork Cork SAI Purdue Univ. Cork Cork Cork MPIfR Cork SAI	18-22cm VLBA Polarization Observations of the 135 MOJAVE-1 Sources		20	18	24
BG207	Giroletti, M. Cotton, W. Edwards, P. Fuhrmann, L. Giovannini, T. Jorstad, S. Kino, M. Kovalev, Y. Krichbaum, T. Marscher, A. Orienti, M. Paneque, D. Perez-Torres, M. Piner, G. Sokovsky, K.	Bologna NRAO ATNF MPIfR Bologna Boston Univ. Japan Lebedev MPIfR Boston Univ. Bologna Stanford IAA Whittier MPIfR	Comprehensive VLBA monitoring of two TeV Blazars		0.7,1,2	29	8
BL149	Lister, M. Cooper, N. Fromm, C.	Purdue Purdue MPIfR	The VLBA cm, MOJAVE/GLAST Program		2	15,26	49.5
BL179	Lacy, M. Condon, J. Petric, A. Ridgway, S.	NRAO NRAO Caltech NOAO	A Search for Highly Obscured quasars and AGN in the Spitzer First Look Survey		20	28	10

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Program	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BM303	Marscher, A. Agudo, I. Gomez, J. Hagen-Thorn, V. Jorstad, S. Larinonov, V.	Boston Univ. IAA IAA St. Petersburg Boston Univ. St. Petersburg	Comprehensive Multiwaveband Monitoring of Gamma-Ray Bright Blazars		0.7	23	24
BM350	Ma, C. Behrend, D. Bobltz, D. Fey, A. Fomalont, E. Gaume, R. Gipson, J. Gordon, D. Johnston, K. Kingham, K. MacMillan, D. Ojha, R. Thomas, C. Walker, C.	NASA NASA USNO USNO NRAO USNO NASA NASA USNO USNO NASA USNO NASA NRAO-Socorro	VLBA Geodesy/Astrometry Observations for 2011		4,13	2	24
BR145	Reid, M. Bartkiewicz, A. Brunthaler, A. Choi, Y. Dame, T. Hachisuk, K. Menten, K. Moellenbrock, G. Moscadelli, L. Sanna, A. Sato, M. Xu, Y. Zhang, B. Zheng, X.	Cfa UNC MPIfR MPIfR Cfa Shanghai MPIfR NRAO-Socorro Arcetri Arcetri Toyko Chinese Acedemy Nanjing Nanjing	Mapping the Milky Way		1,2	7,8,20,27	28
BR152	Rodriguez, L. Gomez, Y. Loinard, L. Mioduszewski, A.	UNAM UNAM UNAM NRAO-Socorro	The size and Morphology of the Non-Thermal Component in Cyg 082 #5		4	30	2
BR161	Rioja, M. Agudo, I. Dodson, R. Gomez, J. Jorstad, S. Marscher, A. Molina, S. Roy, A.	Western Australia Boston Univ. Western Australia IAA Boston Univ. Boston Univ. IAA MPIfR	High-Precision 22 & 43 GHz Astrometric Monitoring of the Cores in OJ287 & 3C273		0.7,1	20	12.5
BT117	Tarchi, A. Braatz, J. Castangia, P. Columbano, A. Panessa, F.	INAF NRAO INAF INAF INAF	Water masers in NLSy1: The nuclear gas in NGC4051 and NGC5506 at sub-pc scales		1	1	4.25
BW094	Walker, C. Celicke, M. Cheung, C. Giroletti, M. Hardee, P. Harris, D. Junor, B. Krawczynski, H. Mazin, D. McConville, W. Perez-Torres, M. Raue, M. Wagner, R. Wagner, S.	NRAO-Socorro Washington Univ. NRL IRA Univ. of Alabama Cfa Univ. of California Washington Univ. IFAE Univ. of California IAA MPIfR MPIfR MPIfR	Flaring the 43 GHz Radio Core of M87		0.7	11,25	2.5
BY132	Yusef-Zadeh, F. Brunthaler, A. Cotton, W. Dowell, D. Wardle, M.	Northwestern MPIfR NRAO Caltech Macquarie Univ.	Coordinated Study of Flaring Activity of Sgr A* at 3mm with Hershel		0.3,0.7	0.3,0.7	31

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
S3125	Savolainin, T. Gehrels, N. Kovalev, Y. Nilsson, K. Sokolovsky, K.	MPIFR NASA Lebedev Univ. of Turku MPIFR	Filming the jets of the archetypical gamma-ray quasars 3c273 & and 3c279 at Sub-Parsec Resolution		0.3,0.7,1, 2	1,22	16

Based on Actual Hours Observed

The average downtime was 22.83 hours 6.80%

Actual observing time was 302.67 hours

The VLBA was scheduled 100.00% of the time 744 hours of a possible 744 hours

Astronomical Observations = 43.65% (324.75 hours)
 Tests and Calibrations = 14.66% (109.10 hours)
 Maintenance = 13.18% (98.05 hours)
 Number of unscheduled hours = 28.51% (212.10 hours)
 Number of shutdown hours = 0.00% (0.00 hours)

 Based on Scaled (128Mbps) Observing Hours

Number of scaled hours of astronomical observations = 1001.78 hrs

Downtime = 6.80% (68.120904 hours)

Actual observing = 933.657096 hours

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VLBA Utilization Report July 2011

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BB240	Bower, G. Bolatto, A. Ford, E. Kalas, P.	Calif., Berkeley Calif., Berkeley CfA Calif., Berkeley	RIPL: Radio Interferometric Planet Search		4	1,3,10,22,31	40
BB307	Beilicke, M. Fortson, L. Galante, N. Krawczynski, H. Majumdar, P. Marscher, A. Perkins, J. Walker, C.	Washington, St. Louis Minnesota CfA Washington, St. Louis UCLA Boston Univ. NASA NRAO-Socorro	Pinpointing the emission region of a recent VHE gamma-ray flare of BL Lacertae		0.7	6,29	24
BC196	Condon, J. Darling, J. Kovalev, Y. Petrov, L.	NRAO Boulder Lebedev NASA	A Search for Inspirling, Binary, and Recoiling Black Holes in Nearby Galaxies		4,13	24,27	15
BD152	Deller, A. Brisken, W. Chatterjee, S. Cordes, J. Goss, M. Kovalev, Y. Lazio, J. Petrov, L.	NRAO-Socorro NRAO-Socorro Cornell Cornell NRAO-Socorro Lebedev NRL NASA	PRsBI: Mapping the Galactic distribution of Pulsars with VLBA		20	1,7,8,10,14,19,20,26	19.5
BF104	Furuya, R. Cesaroni, R. Moscadelli, L. Sanna, A. Shinnaga, H.	NAOJ INA INA INA Caltech	Probing the water maser jet in G19.61-0.3		1	24	8
BG207	Giroletti, M. Cotton, W. Edwards, P. Fuhrmann, L. Giovannini, T. Jorstad, S. Kino, M. Kovalev, Y. Krichbaum, T. Marscher, A. Orienti, M. Paneque, D. Perez-Torres, M. Piner, G. Sokovsky, K.	Bologna NRAO ATNF MPIfR Bologna Boston Univ. Japan Lebedev MPIfR Boston Univ. Bologna Stanford IAA Whittier MPIfR	Comprehensive VLBA monitoring of two TeV blazars		0.7,1,2	28	8
BG208	Gupta, N. Momjian, E. Srianand, R.	NFRA NRAO-Socorro IUCCA	Physical conditions and small-scale structure in the ISM of z=0.08 galaxy		20	27	5
BH168	Hovatta, T. Aller, M. Aller, H. Homan, D. Lister, M. Savolainen, T.	Purdue Michigan., Ann Arbor Michigan., Ann Arbor Denison Univ. Purdue MPIfR	Follow-up Investigation of Faraday Plasma in Quasar Jets		1,2,4	9	24
BL149	Lister, M. Cooper, N. Fromm, C.	Purdue Purdue MPIfR	The VLBA 2cm, MOJAVE/GLAST Program		2	15,24	49
BL175	Loinard, L. Briceno, C. Dzib, S. Evans, N. Hartmann, L. Mioduszewski, A. Pech, G. Rodriguez, L. Torres, R.	UNAM CIDA UNAM Texas., Austin Univ. of Michigan NRAO-Socorro UNAM UNAM Bonn	The Gould's Belt Distances VLBA Survey		4	4	6
BL179	Lacy, M. Condon, J. Petric, A. Ridgway, S.	NRAO NRAO Caltech NOAO	A search for highly obscured quasars and AGN in the Spitzer First Look Survey		20	3,12	20

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BM303	Marscher, A. Agudo, I. Gomez, J. Hagen-Thorn, V. Jorstad, S. Larionov, V.	Boston Univ. IAA IAA St. Petersburg Boston Univ. St. Petersburg	Comprehensive Multiwaveband Monitoring of Gamma-Ray Bright Blazars		0.7	21	24
BR145	Reid, M. Bartkiewicz, A. Brunthaler, A. Choi, Y. Dame, T. Hachisuk, K. Menten, K. Moellenbrock, G. Moscadelli, L. Sanna, A. Sato, M. Xu, Y. Zhang, B. Zheng, X.	Cfa UNC MPIfR MPIfR Cfa Shanghai MPIfR NRAO-Socorro Arcetri Arcetri Tokyo Chinese Academy Nanjing Nanjing	Mapping the Milky Way		1	2,17,30	22
BR152	Rodriguez, L. Gomez, Y. Loinard, L. Mioduszewski, A.	UNAM UNAM UNAM NRAO-Socorro	The size and Morphology of the Non-Thermal Component in Cyg 082 #5		4	8	2
BS212	Soderberg, A. Berger, E. Bietenholz, M. Brunthaler, A. Frail, D. Rupen, M. Zauderer, B.	Cfa Cfa York MPIfR NRAO-Socorro NRAO-Socorro Cfa	VLBI Observations will reveal the nature of the most peculiar GRB 110328A		1,4	17	7
BT117	Tarchi, A. Braatz, J. Castangia, P. Columbano, A. Panessa, F.	INAF NRAO INAF INAF INAF	Water masers in NLSy1: The nuclear gas in NGC4051 and NGC5506 at sub-pc scales		1	16,31	10
BW094	Walker, C. Celicke, M. Cheung, C. Giroletti, M. Hardee, P. Harris, D. Junor, B. Krawczynski, H. Mazin, D. McConville, W. Perez-Torres, M. Raue, M. Wagner, R. Wagner, S.	NRAO-Socorro Washington Univ. NRL IRA Univ. of Alabama Cfa Univ. of California Washington Univ. IFAE Univ. of California IAA MPIfR MPIfR MPIfR	Flaring the 43 GHz Radio Core of M87		0.7	2,16,29	3
BY128	Yan, Z. Shen, Z. Wang, N.	Shanghai Shanghai Chinese Observatory	VLBA Astrometry of Planet Pulsar PRSB1257+12		20	7	4
S3125	Savolainin, T. Gehrels, N. Kovalev, Y. Nilsson, K. Sokolovsky, K.	MPIfR NASA Lebedev Univ. of Turku MPIfR	Filming the jets of the archetypical gamma-ray quasars 3c273 and 3c279 at Sub-Parsec Resolution		0.7,1,2	8	8
S3128	Chatterjee, S. Briskin, W. Camilo, F. Cordes, J. Deller, A. Fienga, A. Kramer, M. Lazio, J. McLaughlin, M. Ransom, S. Ray, P. Romani, R. Smith, D. Theureau, G. Vlemmings, W.	Cornell NRAO-Socorro Columbia Cornell NRAO-Socorro Obs. de Paris MPIfR NRL West Virginia NRAO NRAL Cfa Obs. de Paris Obs. de Paris Bonn	Precision distances and velocities for fermi-detected radio pulsars		20	19	3

Based on Actual Hours Observed

The average downtime was 18.33 hours 6.00%

Actual observing time was 287.17 hours

The VLBA was scheduled 100.00% of the time 744 hours of a possible 744 hours

Astronomical Observations = 41.06% (305.50 hours)
Tests and Calibrations = 24.27% (180.60 hours)
Maintenance = 68.75% (9.24 hours)
Number of unscheduled hours = 25.42% (189.15 hours)
Number of shutdown hours = 0.00% (0.00 hours)

Based on Scaled (128Mbps) Observing Hours

Number of scaled hours of astronomical observations = 1062.148hrs

Downtime = 6.00% (63.72888 hours)

Actual observing = 998.41912 hours

File

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BB240	Bower, G. Aglatto, A. Ford, E. Kalas, P.	Calif., Berkeley Calif., Berkeley CfA Calif., Berkeley	RIPL: Radio Interferometric Planet Search		4	17,18,24	24
BB286	Busch, M. Benner, L. Briskin, W. Brozovic, M. Giorgini, J. Nolan, M.	Caltech JPL NRAO-Socorro JPL JPL NRAO	Radar Speckle Observations of Near-Earth Asteroids		4	26	0.5
BB297	Batejat, F. Conway, J. Diamond, P. Lonsdale, C. Parra, R.	Onsala Onsala Jodrell Bank MIT ESO	Characterisation of newly detected rapidly varying resolved sources in Arp220		4,6,20	11	12
BB299	Boyles, J. Archibald, A. Deller, A. Hessels, J. Kaspi, V. Kondratiev, V. Leeuwen, J. Lorimer, D. Lynch, R. McLaughlin, M. Ransom, S. Stairs, I.	West Virginia Univ. McGill Univ. NRAO ASTRON McGill Univ. NFRL NFRL West Virginia Univ. UVA West Virginia Univ. NRAO British Columbia	Measuring the proper motion and parallax for nearby recycled pulsar J222-0137		20	2	2
BC196	Condon, J. Darling, J. Kovalev, Y. Petrov, L.	NRAO Boulder Lebedev NASA	A Search for Inspirling, Binary, and Recoiling Black Holes in Nearby Galaxies		4,13	3,7,14,19,22	32.75
BD152	Deller, A. Briskin, W. Chatterjee, S. Cordes, J. Goss, M. Kovalev, Y. Lazio, J. Petrov, L.	NRAO-Socorro NRAO-Socorro Cornell Cornell NRAO-Socorro Lebedev NRL NASA	PSRPI: Mapping the Galactic distribution of Pulsars with VLBA		20	1,2,10,11,14,16,21,23,27	34.75
BD156	Desmurs, J. Alcolea, J. Bergman, P. Bujarrabal, V. de Vicente, P. Lindqvist, M. Soria-Ruiz, R.	IGN IGN Onsala IGN IGN Onsala IGN	A full polarization study of SiO maser emission in Chi Cyg		0.7	3	6
BG207	Giroletti, M. Cotton, W. Edwards, P. Fuhrmann, L. Giovannini, G. Jorstad, S. Kino, M. Kovalev, Y. Krichbaum, T. Marscher, A. Orienti, M. Paneque, D. Perez-Torres, M. Piner, G. Sokovsky, K.	Bologna NRAO ATNF MPIfR Bologna Boston Univ. Japan Lebedev MPIfR Boston Univ. Bologna Stanford IAA Whittier MPIfR	Comprehensive VLBA monitoring of two TeV Blazars		0.7,1,2	1,29	13.75
BL149	Lister, M. Cooper, N. Fromm, C.	Purdue Purdue MPIfR	The VLBA 2cm, MOJAVE/GLAST Program		2	6,18,24	72
BM303	Marscher, A. Agudo, I. Gomez, J. Hagen-Thorn, V. Jorstad, S. Larionov, V.	Boston Univ. IAA IAA St. Petersburg Boston Univ. St. Petersburg	Comprehensive Multiwaveband Monitoring of Gamma-Ray Bright Blazars		0.7	12	24

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BM350	Ma, C. Behrend, D. Boboltz, D. Fey, A. Fomalont, E. Gaume, R. Gipson, J. Gordon, D. Johnston, K. Kingham, K. MacMillan, D. Ojha, R. Thomas, C. Walker, C.	NASA NASA USNO USNO NRAO USNO NASA NASA USNO USNO NASA USNO NASA NRAO-Socorro	VLBA Geodesy/Astrometry Observations for 2011		4,13	28	24
BR145	Reid, M. Bartkiewicz, A. Brunthaler, A. Choi, Y. Dame, T. Hachisuk, K. Menten, K. Moellenbrock, G. Moscadelli, L. Sanna, A. Sato, M. Xu, Y. Zhang, B. Zheng, X.	Cfa UNC MPIfR MPIfR Cfa Shanghai MPIfR NRAO-Socorro Arcetri Arcetri Tokyo Chinese Academy Nanjing Nanjing	Mapping the Milky Way		1,2	2,20,26,27,28,30	42
BR155	Rioja, M. Bujarrabal, V. Diamond, P. Dodson, R.	Western Australia OAN Jodrell Bank Western Australia	Study of the Astrometric Alignment of SiO Maser Emission at 43/86-GHz in AGBs		0.3,0.7	21,25	12.5
BR161	Rioja, M. Agudo, I. Dodson, R. Gomez, J. Jorstad, S. Marscher, A. Molina, S. Roy, A.	Western Australia Boston Univ. Western Australia IAA Boston Univ. Boston Univ. IAA MPIfR	High-Precision 22 & 43 GHz Astrometric Monitoring of the Cores in OJ287 & 3C273		0.7,1	5	12.5
BW094	Walker, C. Celicke, M. Cheung, C. Giroletti, M. Hardee, P. Harris, D. Junor, B. Krawczynski, H. Mazin, D. McConville, W. Perez-Torres, M. Raue, M. Wagner, R. Wagner, S.	NRAO-Socorro Washington Univ. NRL IRA Univ. of Alabama Cfa Univ. of California Washington Univ. IFAE Univ. of California IAA MPIfR MPIfR MPIfR	Flaring the 43 GHz Radio Core of M87		0.7	3,17	2
BW096	Wayth, R. Briskin, W. Deller, A. Majid, W. Thompson, D. Tingay, S. Wagstaff, K.	Curtin NRAO-Socorro NRAO-Socorro JPL JPL Curtin JPL	A VLBA 330 MHz Survey for M81/M82 transients on timescales of ms to Ms		90	10	1
GG074	Gupta, N. Oosterloo, T. Paragi, Z. Pidopryhora, Y. Srianand, R.	ASTRON ASTRON JIVE JIVE IUCAA	Parsec scale structure in ISM and the nature of 21-cm absorbers		20	8	12
GV021	Vlemmings, W. Freire, P. Kirsten, F. Kramer, M. van Langevelde, H.	MPIfR MPIfR MPIfR MPIfR JIVE	Low frequency VLBI of M15: Identifying possible new pulsars		90	4	5
GW022	Wucknitz, O. Kramer, M. Verbiest, J.	MPIfR MPIfR MPIfR	Angular and temporal scatter broadening of pulsars		20,90	5,8	16

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
S3125	Savolainin, T. Gehrels, N. Kovalev, Y. Nilsson, K. Sokolovsky, K.	MPIfR NASA Lebedev Univ. of Turku MPIfR	Filming the jets of the archetypical gamma-ray quasars 3c273 and 3c279 at Sub-Parsec Resolution		0.3,0.7,2	17	8
S3128	Chatterjee, S. Brisken, W. Camilo, F. Cordes, J. Deller, A. Fienga, A. Kramer, M. Lazio, J. McLaughlin, M. Ransom, S. Ray, P. Romani, R. Smith, D. Theureau, G. Vlemmings, W.	Cornell NRAO-Socorro Columbia Cornell NRAO-Socorro Obs. de Paris MPIfR NRL West Virginia NRAO NRL CfA Obs. de Paris Obs. de Paris Bonn	Precision distances and velocities for fermi-detected radio pulsars		20	16,22	3

Based on Actual Hours Observed

The average downtime was 17.62775 hours 4.90%

Actual observing time was 342.12225 hours

The VLBA was scheduled 100.00% of the time 720 hours of a possible 720 hours

Astronomical Observations = 49.97% (359.75 hours)
 Tests and Calibrations = 12.53% (90.24 hours)
 Maintenance = 12.81% (92.25 hours)
 Number of unscheduled hours = 24.69% (177.76 hours)
 Number of shutdown hours = 0.00% (0.00 hours)

 Based on Scaled (128Mbps) Observing Hours

Number of scaled hours of astronomical observations = 1090.878hrs

Downtime = 4.90% (53.453022 hours)

Actual observing = 1037.424978 hours

VLBA Utilization Report May 2011

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BB240	Bower, G. Colatto, A. Ford, E. Kalas, P.	Calif., Berkeley Calif., Berkeley CfA Calif., Berkeley	RIPL: Radio Interferometric Planet Search		4	1,14,20,30	23
BB286	Busch, M. Benner, L. Briskin, W. Brozovic, M. Giorgini, J. Nolan, M.	Caltech JPL NRAO-Socorro JPL JPL NRAO	Radar Speckle Observations of Near-Earth Asteroids		4	29	1
BB293	Bower, G. Brunthaler, A. Falcke, H. Henkel, C. Menten, K. Reid, M. Vidal, I.	Calif., Berkeley MPIfR Nijmegen MPIfR MPIfR CfA MPIfR	The Evolution of Sn 2008biz in M82		4,6,13,20	12	12
BB297	Batejat, F. Conway, J. Diamond, P. Lonsdale, C. Parra, R.	Onsala Onsala Jodrell Bank MIT ESO	Characterisation of newly detected rapidly varying resolved sources in Arp220		4,6,20	16,17	15
BB298	Bruni, G. Benn, C. Carballo, R. Dallacasa, D. Gonzalez-Serrano, J. Holt, J. Jimenez-Lujan, F. Mack, K. Montengro-Montes, F.	Bologna Inst de Astrofisica IFCA Bologna IFCA Leiden IFCA Bologna ESO	Morphology and orientation of Radio Loud Broad Absorption Line Quasars		4,6	1,2	10
BB299	Boyles, J. Archibald, A. Deller, A. Hessels, J. Kaspi, V. Kondratiev, V. Leeuwen, J. Lorimer, D. Lynch, R. McLaughlin, M. Ransom, S. Stairs, I.	West Virginia Univ. McGill Univ. NRAO ASTRON McGill Univ. NFRL NFRL West Virginia Univ. UVA West Virginia Univ. NRAO Univ. British Columb	Measuring the proper motion and parallax for nearby recycled pulsar J2222-0137		20	19	2
BB300	Beasley, A. Goss, M.	NEON NRAO-Socorro	Imaging the Magnetic Propeller in AE Aqr-II		4	26	8
BC170	Creel, B. Claussen, M. Pihlstrom, Y.	UNM NRAO-Socorro UNM	Parallax Measurements of Proto-Planetary and Young Planetary Nebulae		1,20	2	8.5
BC196	Condon, J. Darling, J. Kovalev, Y. Petrov, L.	NRAO Boulder Lebedev NASA	A Search for Inspiralng, Binary,, and Recoiling Black Holes in Nearby Galaxies		4,13	13,15,16 30	21.5
BD152	Deller, A. Briskin, W. Chatterjee, S. Cordes, J. Goss, M. Kovalev, Y. Lazio, J. Petrov, L.	NRAO-Socorro NRAO-Socorro Cornell Cornell NRAO-Socorro Lebedev NRL NASA	PSRPI: Mapping the Galactic distribution of Pulsars with VLBA		20	3,4,13,14 16,17,19 20,28,30 31	35

VLBA Utilization Report May 2011

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BG207	Giroletti, M. Cotton, W. Edwards, P. Fuhrmann, L. Giovannini, G. Jorstad, S. Kino, M. Kovalev, Y. Krichbaum, T. Marscher, A. Orienti, M. Paneque, D. Perez-Torres, M. Piner, G. Sokovsky, K.	Bologna NRAO ATNF MPIfR Bologna Boston Univ. Japan Lebedev MPIfR Boston Univ. Bologna Stanford IAA Whittier MPIfR	Comprehensive VLBA monitoring of two TeV Blazars		0.7,1,2	31	2.5
BL149	Lister, M. Cooper, N. Fromm, C.	Purdue Purdue MPIfR	The VLBA 2cm MOJAVE/GLAST Program		2	21,26	48
BM303	Marscher, A. Agudo, I. Gomez, J. Hagen-Thorn, V. Jorstad, S. Larionov, V.	Boston Univ. IAA IAA St. Petersburg Boston Univ. St. Petersburg	Comprehensive Multiwaveband Monitoring of Gamma-Ray Bright Blazars		0.7	22	24
BR138	Ribo, M. Moldon, J. Paredes, J.	Barcelona Barcelona Barcelona	Who is coming from SNR G016.8-011? Unveling the nature of LS 5039		6	4	6
BR145	Reid, M. Bartkiewicz, A. Brunthaler, A. Choi, Y. Dame, T. Hachisuk, K. Menten, K. Moellenbrock, G. Moscadelli, L. Sanna, A. Sato, M. Xu, Y. Zhang, B. Zheng, X.	Cfa UNI MPIfR MPIfR Cfa Shanghai MPIfR NRAO-Socorro INA INA Toyko Chinese Academy Nanjing Nanjing	Mapping the Milky Way		1	12,13,15,2 1,24,25,29 ,31	56
BR152	Rodriguez, L. Gomez, Y. Loinard, L. Mioduszewski, A.	UNAM UNAM UNAM NRAO-Socorro	The size and Morphologh of the Non-Thermal Component in Cyg OB2 #5		4	14	2
BS210	Soderberg, A. Berger, E. Bietenholz, M. Brunthaler, A. Frail, D. Rupen, M. Zauderer, B.	Cfa Cfa York MPIfR NRAO-Socorro NRAO-Socorro Cfa	VLBI observations will reveal the nature of the most peculiar GRB 110328A		1,4	5,28	12
BW094	Walker, C. Celicke, M. Cheung, C. Giroletti, M. Hardee, P. Harris, D. Junor, B. Krawczynski, H. Mazin, D. McConville, W. Perez-Torres, M. Raue, M. Wagner, R. Wagner, S.	NRAO-Socorro Washington Univ. NRL IRA Univ. of Alabama Cfa Univ. of California Washington Univ. IFAE Univ. of California IAA MPIfR MPIfR MPIfR	Flaring the 43 GHz Radio Core of M87		0.7	4,20	2
GF016	Fuhrmann, L. Angelakis, E. Giprini, S. Giroletti, M. Krichbaum, T. Zensus, J.	MPIfR MPIfR INFN Bologna MPIfR MPIfR	The X-Ray Outburst of PKS 1502+106 in 2008 Discovered by Fermi-GST Search for the X-Ray Emission Side		0.7,3	7	15

VLBA Utilization Report May 2011

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
GL035	Bremer, M. Hagiwara, Y. Kovalev, Y. Krichbaum, T. Lee, S. Lobanov, A. Zensus, J.	IRAM NAOJ Lebedev MPIfR Korea Inst. MPIfR MPIfR	Microarcsecond-scaled structure of extragalactic radio sources at 86 GHz		0.7,3	5	34
GM066	Marscher, A. Agudo, I. Bremer, M. Fuhrmann, L. Jorstad, A. Kovalev, Y. Krichbaum, T. Marti-Vidal, I. Savolainen, T.	Boston Univ. IAA IRAM MPIfR Boston Univ., MPIfR MPIfR MPIfR MPIfR	Continued 3 mm Imaging of Gamma-Ray Blazars		0.7,3	8	61.5
GT009	Trippe, S. Bremer, M. Krichbaum, T.	IRAM IRAM MPIfR	Polarization conversion and the magnetic field geometry of 3C 84		0.7,3	8	15
S3125	Savolainen, T. Gehrels, N. Kovalev, Y. Nilsson, K. Sokolovsky, K.	MPIfR NASA Lebedev Univ. of Turku MPIfR	Filming the jets of the archetypical gamma-ray quasars 3c273 and 3c279 at Sub-Parsec Resolution		0.7,1,2,3, 4	3,28	16

Based on Actual Hours Observed

The average downtime was 14.19 hours 3.30%

Actual observing time was 415.81 hours

The VLBA was scheduled 100.00% of the time 744 hours of a possible 744 hours

Astronomical Observations = 57.80% (430.00 hours)
 Tests and Calibrations = 9.80% (72.90 hours)
 Maintenance = 10.66% (79.30 hours)
 Number of unscheduled hours = 21.75% (161.18 hours)
 Number of shutdown hours = 0.00% (00.00 hours)

 Based on Scaled (128Mbps) Observing Hours

Number of scaled hours of astronomical observations = 1303.106hrs

Downtime = 3.30% (43.002498 hours)

Actual observing =1260.103502 hours

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VLBA Utilization Report April 2011

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BB240	Bower, G. Bolatto, A. Ford, E. Kalas, P.	Calif., Berkeley Calif., Berkeley CfA Calif., Berkeley	R IPL: Radio Interferometric Planet Search		4	10,16,18 30	17.25
BB296	Bietenholz, M. Bartel, N. Brunthaler, A. Soderberg, A.	York York MPIfR Princeton	Does SN 2003gk Harbour an Off-Axis GRB Jet?		4	21	5
BB298	Bruni, G. Benn, C. Carballo, R. Dallacasa, D. Gonzalez-Serrano, J Holt, J. Jimenez-Lujan, F. Mack, K. Montengro-Montes, F	Bologna Inst. de Astrofisica IFCA Bologna IFCA Leiden IFCA Bologna ESO	Morphology and orientation of Raio Loud Broad Absorption Line Quasars		4	4,7,22,25	20.5
BB300	Beasley, A. Goss, M.	NEON NRAO-Socorro	Imaging the Magnetic Propeller in AE Agr-II		4	20	8
BB304	Bower, G. Bloom, J. Cenko, B.	Calif., Berkeley Calif., Berkeley Calif., Berkeley	The Peculiar Swift event GRB110328A/Swift J16449.3+573451		4	1,3	8
BC196	Condon, J. Darling, J. Kovalev, Y. Petrov, L.	NRAO Boulder Lebedev NASA	A Search for Inspirling, Binary, and Recoiling Black Holes in Nearby Galaxies		4,13	19,26	11
BD152	Deller, A. Kovalev, Y. Briskin, W. Chatterjee, S. Cordes, J. Goss, M. Lazio, J. Petrov, L.	NRAO-Socorro Lebedev NRAO-Socorro Cornell Cornell NRAO-Socorro NRL NASA	PSRPI: Mapping the Galactic Distribution of Pulsars with VLBA		20	13,18,19 20,26,27 29,30	22.5
BD154	Desmurs, J. Alcolea, J. Bujarrabal, V. Lindqvist, M. Soria-Ruiz, R.	IGN IGN IGN Onsala IGN	Further observations of SiO v=3 J=1-0 maser emission from AGB stars.		0.7	17	8
BF104	Furuya, R. Cesaroni, R. Moscadelli, L. Sanna, A. Shinnaga, H.	NAOJ INA INA INA Caltech	Probing the water maser jet in G19.61-0.3		1	23	8
BG207	Gioletti, M. Cotton, W. Edwards, P. Fuhrmann, L. Giovannini, G. Jorstad, S. Kino, M. Kovalev, Y. Krichbaum, T. Marscher, A. Orienti, M. Paneque, D. Perez-Torres, M. Piner, G. Sokovsky, K.	Bologna NRAO ATNF MPIfR Bologna Boston Univ. Japan Lebedev MPIfR Boston Univ. Bologna Stanford IAA Whittier MPIfR	Comprehensive VLBA monitoring of two TeV blazars		0.7,1,2	25	8
BL149	Lister, M. Cooper, N. Fromm, C.	Purdue Purdue MPIfR	The VLBA 2cm MOJAVE/GLAST Program		2	11,27	24
BL175	Loinard, L. Briceno, C. Dzib, S. Evans, N. Hartmann, L. Mioduszewski, A. Pech, G. Rodriguez, L. Torres, R.	UNAM CIDA UNAM Texas., Austin Univ. of Michigan NRAO-Socorro UNAM UNAM Bonn	The Gould's Belt Distances VLBA Survey		4	2	6
BL182	Lobanov, A. Horns, D. Muxlow, T.	MPIfR Hamburg Jodrell Bank	Deciphering the Crab Nebula: High-resolution imaging of flaring emission		20	29	10

VLBA Utilization Report April 2011

Progrm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BM303	Marscher, A. Agudo, I. Gomez, J. Hagen-Thorn, V. Jorstad, S. Larionov, V.	Boston Univ. IAA IAA St. Petersburg Boston Univ. St. Petersburg	Comprehensive Multiwaveband Monitoring of Gamma-ray Bright Blazars		0.7	21	24
BM336	Miller-Jones, J. Corbel, S. McCollough, M. Paragi, Z. Tavani, M. Tudose, V.	NRAO CEA Cfa JIVE INAF NFRA	The connection between gamma-ray emission and radio jets in Cygnus X-3		2,4	1,3,4,8	21
BM350	Ma, C. Behrend, D. Bololtz, D. Fey, A. Fomalont, E. Gaume, R. Gipson, J. Gordon, D. Johnston, K. Kingham, K. MacMillan, D. Ojha, R. Thomas, C. Walker, C.	NASA NASA USNO USNO NRAO USNO NASA NASA USNO USNO NASA USNO NASA NRAO-Socorro	VLBA Geodesy/Astrometry Observations for 2011		4,13	5	24
BR145	Reid, M. Bartkiewicz, A. Brunthaler, A. Choi, Y. Dame, T. Hachisuk, K. Menten, K. Moellenbrock, G. Moscadelli, L Sanna, A. Sato, M. Xu, Y. Zhang, B. Zheng, X.	Cfa UNI MPIfR MPIfR Cfa Shanghai MPIfR NRAO-Socorro INA INA Toyko Chinese Academy Nanjing Nanjing	Mapping the Milky Way		1	1,3,5,9,15 16,18,25 30	63.75
BS210	Berger, E. Bietenholz, M. Brunthaler, A. Frail, D. Rupen, M. Soderberg, A. Zauderer, B.	Cfa York MPIfR NRAO-Socorro NRAO-Socorro Cfa Cfa	VLBI observations will reveal the nature of the most peculiar GRB 110328A		1,4	2,8	14
BW094	Walker, C. Celicke, M. Cheung, C. Giroletti, M. Hardee, P. Harris, D. Junor, B. Krawczynski, H. Mazin, D. McConville, W. Perez-Torres, M. Raue, M. Wagner, R. Wagner, S.	NRAO-Socorro Washington Univ. NRL IRA Univ. of Alabama Cfa Univ. of California Washington Univ. IFAE Univ. of California IAA MPIfR MPIfR MPIfR	Flaring the 43 GHz Radio Core of M87		0.7	11,23	2
BY128	Shen, Z. Wang, N. Yan, Z.	Shanghai Chinese Observatory Shanghai	VLBA Astrometry of Planet Pulsar PSRB1257+12		20	16,29	8
S3125	Savolainen, T. Gehrels, N. Kovalev, Y. Nilsson, K. Sokolovsky, K.	MPIfR NASA Lebedev Univ. of Turku MPIfR	Filming the jets of the archetypical gamma-ray quasars 3c273 and 3c279 at Sub-Parsec Resolution		0.7,1,2,3	13	8

Based on Actual Hours Observed

The average downtime was 15.408 hours 4.80%

Actual observing time was 305.592 hours

The VLBA was scheduled 100.00% of the time 720 hours of a possible 720 hours

Astronomical Observations = 44.58% (321.00 hours)

Tests and Calibrations = 10.38% (74.75 hours)

Maintenance = 12.06% (86.80 hours)

Number of unscheduled hours = 32.98% (237.45 hours)

Number of shutdown hours = 0.00% (0.00 hours)

Based on Scaled (128Mbps) Observing Hours

Number of scaled hours of astronomical observations = 985.156hrs

Downtime = 4.70% (47.287488 hours)

Actual observing = 937.868512 hours

VLBA Utilization Report March 2011

File

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BB240	Bower, G. Bolatto, A. Ford, E. Kalas, P.	Calif., Berkeley Calif., Berkeley CfA Calif., Berkeley	RIPL: Radio Interferometric Planet Search		4	4,9,22,27	32
BB293	Bower, G. Brunthaler, A. Falcke, H. Henkel, C. Menten, K. Reid, M. Vidal, I.	Calif., Berkeley MPIFR Nijmegen MPIFR MPIFR CfA MPIFR	The Evolution of Sn 2008iz in M82		4,6,13,20		12
BB300	Beasley, A. Goss, M.	NEON NRAO-Socorro	Imaging the Magnetic Propeller in AE Aqr-II		4	14	8
BC196	Condon, J. Darling, J. Kovalev, Y. Petrov, L.	NRAO Boulder Lebedev NASA	A search for Inspiring, Binary, and Recoiling Black Holes in Nearby Galaxies		4,13	12,14,24	19.5
BD152	Deller, A. Briskin, W. Chatterjee, S. Cordes, J. Goss, M. Kovalev, Y. Lazio, J. Petrov, L.	NRAO-Socorro NRAO-Socorro Cornell Cornell NRAO-Socorro Lebedev NRL NASA	PSRPI: Mapping the Galactic Distribution of Pulsars with VLBA		20	7,12,15,28	11.5
BF100	Forbrich, J. Berger, E. McLean, M.	CfA CfA CfA	Confirmation and astrometric monitoring of the first VLBI-detected brown dwarf		4,13	8	6
BG207	Giroletti, M. Cotton, W. Edwards, P. Fuhrmann, L. Giovannini, G. Jorstad, S. Kino, M. Kovalev, Y. Krichbaum, T. Marscher, A. Orienti, M. Paneque, D. Perez-Torres, M. Piner, G. Sokovskiy, K.	Bologna NRAO ATNF MPIFR Bologna Boston Univ. Japan Lebedev MPIFR Boston Univ. Bologna Stanford IAA Whittier MPIFR	Comprehensive VLBA monitoring of two TeV blazars		0.7,1,2	29	8
BG209	Gurvits, L. Calves, G. Cimo, G. Duev, D. Pogrenbenko, S.	JIVE Aalto Univ. JIVE JIVE JIVE	Pride-VLBI tracking of the venus express spacecraft		4	28	2.25
BH165	Hada, K. Doi, A. Inoue, M. Nagai, H.	Japan JAXA Japan Japan	Multi-calibrator astrometry of the core of the low-luminosity AGN M 14		0.7,1,2,4,6,13	7,10,23,30	40
BJ073	Johnston, K. Boboltz, D. Fey, A. Fomalont, E. Ojha, R.	USNO USNO USNO NRAO USNO	AGN Stability and the Celestial Reference Frame: Additional Session		0.7,1,3	1	6.5
BL149	Lister, M. Cooper, N. Fromm, C.	Purdue Purdue MPIFR	The VLBA 2cm MOJAVE/GLAST Program		2	5,11	48
BL176	Loiand, L. Deller, A. Dzib, S. Gomez, Y. Mioduszewski, A. Rodriguez, L. Torres, R.	UNAM NRAO-Socorro UNAM UNAM NRAO-Socorro UNAM Bonn	The distance to Monoceros: one of the nearest high-mass star-forming regions		4	19,25	17.5
BM303	Marscher, A. Agudo, I. Gomez, J. Hagen-Thron, V. Jorstad, S. Larionov, V.	Boston Univ. IAA IAA St. Petersburg Boston Univ. St. Petersburg	Comprehensive Multiwaveband Monitoring of Gamma-ray Bright Blazars		0.7	1	24

VLBA Utilization Report March 2011

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BM336	Miller-Jones, J. Corbel, S. McCullough, M. Paragi, Z. Tavani, M. Tudose, V.	NRAO CEA CFA JIVE INAF Netherlands	The connection between gamma-ray emission and radio jets in Cygnus X-3		2,4	25,26,28 29	20
BR145	Reid, M. Bartkiewicz, A. Brunthaler, A. Choi, Y. Dame, T. Hachisuk, K. Menten, K. Mollenbrock, G. Moscadelli, L. Sanna, A. Sato, M. Xu, Y. Zhang, B. Zheng, X.	CFA UNM MPIfR MPIfR CFA Shanghai MPIfR NRAO-Socorro INA INA Toyko Chinese Academy Nanjing Nanjing	Mapping the Milky Way		1	5,7,9,11 13,18,19,2 0 21,25,26 28	88.50
BR152	Rodriguez, L. Gomez, Y. Loinard, L. Mioduszewski, A.	UNAM UNAM UNAM NRAO-Socorro	The Size and Morphology of the Non-Thermal Component in Cyg OB2 #5		4	21	2
BR161	Rioja, M. Agudo, I. Dodson, R. Gomez, J. Jorstad, S. Marcher, A. Molina, S. Roy, A.	Univ. Australia Boston Univ. Univ. Australia IAA Boston Univ. Boston Univ. IAA MPIfR	High-Precision 22 & 43 GHz Astrometric Monitoring of the Cores in OJ287 & 3C273		0.7,1	30	12.5
BW094	Walker, C. Belicke, M. Cheung, C. Giroletti, M. Hardee, P. Harris, D. Junor, B. Krawczynski, H. Mazin, D. McConville, W. Perez-Torres, M. Raue, M. Wagner, R. Wagner, S.	NRAO-Socorro Washington Univ. NRL IRA Univ. of Alabama CFA Univ. of California Washington Univ. IFAE Univ. of California IAA MPIfR MPIfR MPIfR	Flaring the 43 GHz Radio Core of M87		0.7	15,28	2
GC034	Campbell, B. Campbell, D. Carter, L. Ghent, R.	Smithsonian Cornell Smithsonian Smithsonian	Radar Studies of the Moons Geologic History and Resource Potential		4,13	15,16	38
S3125	Savolainen, T. Gehrels, N. Kovalev, Y. Marscher, A. Nilsson, K.	MPIfR NASA Lebedev Boston Univ. Univ. of Turku	Filming the jets of the archetypical gamma-ray quasars 3C273 and 3C279 at Sub-Parsec Resolution		0.3,0.7,1, 2	21	8

Based on Actual Hours Observed

The average downtime was 19.09375 hours 4.70%

Actual observing time was 387.15625 hours

The VLBA was scheduled 100.00% of the time 744 hours of a possible 744 hours

Astronomical Observations	=	54.60%	(406.25 hours)
Tests and Calibrations	=	9.90%	(73.65 hours)
Maintenance	=	10.25%	(76.25 hours)
Number of unscheduled hours	=	25.25%	(187.85 hours)
Number of shutdown hours	=	0.00%	(0.00 hours)

Based on Scaled (128Mbps) Observing Hours

Number of scaled hours of astronomical observations = 1256.058hrs

Downtime = 4.70% (59.034726 hours)

Actual observing = 1197.023274 hours

VLBA Astronomical Observing February 2011

File

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BB240	Bower, G. Bolatto, A. Ford, E. Kalas, P.	Calif., Berkeley Calif., Berkeley CfA Calif., Berkeley	RIPL: Radio Interferometric Planet Search		4	1,8,15,23	24
BB261	Braatz, J. Condon, J. Greenhill, L. Hao, L. Henkel, C. Lah, P. Lo, K.Y. Reid, M. Tilak, A. Yu Kuo, C. Zaw, I.	NRAO NRAO CfA Cornell MPIfR ANU NRAO CfA CfA UVa NYU	The Megamaser Cosmology Project: Year 2		1	12	12
BB300	Beasley, A. Goss, M.	NEON NRAO-Socorro	Imaging the Magnetic Propeller in AE Agr-11		4	19	8
BC170	Creel, B. Claussen, M. Pihlstrom, Y.	UNM NRAO-Socorro UNM	Parallax Measurements of Proto-Planetary and Young Planetary Nebulae		1,20	14	8.5
BC189	Claussen, M.	NRAO-Socorro	Proper Motions of the SiO Masers in Globular Cluster Terzan 12		0.7	27	1
BC196	Condon, J. Darling, J. Kovalev, Y. Petrov, L.	NRAO Boulder Lebedev NASA	A Search for Inspiralng, Binary, and Recoiling Black Holes in Nearby Galaxies		4,13	1,7,16,19, 27	34.75
BD152	Deller, A. Brisken, W. Chatterjee, S. Cordes, J. Goss, M. Kovalev, Y. Lazio, J. Petrov, L.	NRAO-Socorro NRAO-Socorro Cornell Cornell NRAO-Socorro Lebedev NRL NASA	PSRPI: Mapping the Galactic distribution of pulsars with the VLBA		20	2,4,8,9,18 ,21,24,25, 27	27.25
BG207	Giroletti, M. Cotton, W. Edwards, P. Fuhrmann, L. Giovannini, G. Jorstad, S. Kino, M. Kovalev, Y. Krichbaum, T. Marscher, A. Orienti, M. Paneque, D. Perez-Torres, M. Piner, G. Sokovsky, K.	Bologna NRAO ATNF MPIfR Bologna Boston Univ. Japan Lebedev MPIfR Boston Univ. Bologna Stanford IAA Whittier MPIfR	Comprehensive VLBA monitoring of two TeV blazars		0.7,1,2	25	8
BJ067	Jones, D. Border, J. Dhawan, V. Fomalont, E. Lanyi, G. Romney, J.	JPL JPL NRAO-Socorro NRAO JPL NRAO-Socorro	VLBA Astrometry of Cassini: The Sequel		4	21	4.25
BJ073	Johnston, K. Boboltz, D. Fey, A. Fomalont, E. Ojha, R.	USNO USNO USNO NRAO USNO	AGN Stability and the Celestial Reference Frame: Additional session		0.7,1,4	28	1.5
BL149	Lister, M. Cooper, N. Fromm, C.	Purdue Purdue MPIfR	The VLBA 2cm MOJAVE/GLAST Program		2	20,27	47.5

VLBA Astronomical Observing February 2011

Progrm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BL166	Lanyi, G. Boboltz, D. Charlo, P. Fey, A. Fomalont, E. Geldzahler, B. Gordon, D. Jacobs, C. Ma, C. Naudet, C. Romney, J. Sovers, O. Zhang, L.	JPL USNO Bordeaux Obs. USNO NRAO NASA NASA JPL NASA JPL NRAO-Socorro JPL JPL	High Precision K/Q-band Astrometry		1,4,13	5	25.25
BM272	Menten, K. Brunthaler, A. Moscadelli, L. Reid, M. Xheng, X. Xu, Y.	MPIfR MPIfR Arecti Obs. CfA Nanjing MPIfR	Parallaxes to Outer Galaxy H2O Masers: The Rotation Curve of the Milky Way		1	26	7.25
BM303	Marscher, A. Agudo, I. Gomez, J. Hagen-Thron, V. Jorstad, S. Larionov, V.	Boston Univ. IAA IAA St. Petersburg Boston Univ. St. Petersburg	Comprehensive Multiwaveband Monitoring of Gamma-Ray Bright Blazars		0.7	4	24
BM321	Melis, C. Bower, G. Mioduszewski, A. Reid, M. Stauffer, J.	Calif., San Diego Calif., Berkeley NRAO-Socorro CfA Caltech	Towards a VLBA Resolution of the Pleiades Distance Controversy		4	13	10
BM350	Ma, C. Behrend, D. Boboltz, D. Fey, A. Fomalont, E. Gaume, R. Gipson, J. Gordon, D. Johnston, K. Kingham, K. MacMillan, D. Ojha, R. Thomas, C. Walker, C.	NASA NASA USNO USNO NRAO USNO NASA NASA USNO USNO NASA USNO NASA NRAO-Socorro	VLBA Geodesy/Astrometry Observations for 2011		4,13	23	24
BR145	Reid, M. Bartkiewicz, A. Brunthaler, A. Choi, Y. Dame, T. Hachisuk, K. Menten, K. Moeilenbrock, G. Moscadelli, L. Sanna, A. Sato, M. Xu, Y. Zhang, B. Zheng, X.	CfA UNC MPIfR MPIfR CfA Shanghai MPIfR NRAO-Socorro INA INA Tokyo Chinese Academy Nanjing Nanjing	Mapping the Milky Way		1	11,15,16 21,25	35
BR155	Rioja, M. Bujarrabal, V. Diamond, P. Dodson, R.	Univ. Western Austra OAN Jodrell Bank Univ. Western Austra	Study of the Astrometric Alignment of SiO Maser Emission at 43/86-GHz in AGBs		0.7,3	15	6.25
BS206	Schinzal, F. Lobanov, A. Taylor, G. Zensus, A.	MPIfR MPIfR UNM MPIfR	Connection between radio and gamma-ray emission of 3C345		20	7	2.5

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BW094	Walker, C. Belicke, M. Cheung, C. Giroletti, M. Hardee, P. Harris, D. Junor, B. Krawczynski, H. Mazin, D. McConville, W. Perez-Torres, M. Raue, M. Wagner, R. Wagner, S.	NRAO-Socorro Washington Univ. NRL IRA Univ. of Alabama CfA Univ. of California Washington Univ. IFAE Univ. of California IAA MPIfR MPIfR MPIfR	Flaring in the 43 GHz Radio Core of M87		0.7	4,26	2.5
BW095	Walker, C. Beilick, M. Cheung, C. Giroletti, M. Hardee, P. Harris, D. Junor, B. Krawczynski, H. Ly, C. Mazin, D. McConville, W. Perez-Torres, M. Raue, M. Wagner, R. Wagner, S.	NRAO-Socorro Washington Univ. NASA Bologna Univ. of Alabama CfA LANL Washinton Univ. STSci IFAE Maryland IAA MPIfR MPIfR MPIfR	Confirming the Association of Flaring TeV Emission with the Core of M87, III		0.7,1	13	11
BY128	Yan, Z. Shen, Z. Wang, N.	Shanghai Shanghai Chinese Observatory	VLBA Astrometry of Planet Pulsar PSRB1257+12		20	17	4
S3125	Savolainen, T. Gehrels, N. Kovalev, Y. Nilsson, K. Sokolovsky, K.	MPIfR NASA Lebedev Univ. of Turku MPIfR	Filming the jets of the archetypical gamma-ray quasars 3c273 and 3c279 at Sub-Parsec Resolution		0.3,0.7,1 2,4,6	22	8

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BB240	Bower, G. Bolatto, A. Ford, E. Kalas, P.	Calif., Berkeley Calif., Berkeley Cfa Calif., Berkeley	RIPL: Radio Interferometric Planet Search		4	3,10,19,29	32
BB269	Brisken, W. Coles, B. Deller, A. Gao, J. Pierre-Macquart, J. Rickett, B. Tingay, S.	NRAO-Socorro Calif., San Diego NRAO-Socorro Calif., San Diego Caltech Calif., San Diego Curtin Univ.	A Distance to the extreme scintillating pulsar B0834+06		4,13,20	29	4.5
BB293	Bower, G. Brunthaler, A. Falcke, H. Henkel, C. Menten, K. Reid, K. Vidal, I.	Calif., Berkeley MPIFR Nijmegen MPIFR MPIFR MPIFR MPIFR	The Evolution of SN 2008iz in M82		4,6,13,20	7	12
BC195	Cavagnolo, K. Edge, A. Ferrari, C. Momjian, E.	Univ. of Waterloo Durham Nice NRAO-Socorro	Imaging the misdirected QSO of IRAS 09104+4109		6	11	12
BC196	Condon, J. Darling, J. Kovalev, Y. Petrov, L.	NRAO Boulder Lebedev NASA	A Search for Inspiralng, Binary, and Recoiling Black Holes in Nearby Galaxies		4,13	13,15,20 21	35.75
BD151	Deane, R. Garrett, M. Heywood, I. McKean, J. Rawlings, S.	Oxford NFRA Oxford NFRA Oxford	A gravitationally lensed starburst/AGN composite at z=2.3		90	12	8
BD152	Deller, A. Brisken, W. Chatterjee, S. Cordes, J. Goss, M. Kovalev, Y. Lazio, J. Petrov, L.	NRAO-Socorro NRAO-Socorro Cornell Cornell NRAO-Socorro Lebedev NRL NASA	PSRPI: Mapping the Galactic Distribution of pulsars with the VLBA		20	3,6,8,14 24,26,27 28,29	22.25
BE057	Edwards, P. Piner, G.	ATNF Whittier	Four new TeV emitting High Frequency-Peaking BL Lacs		1	18	4
BF104	Furuya, R. Cesaroni, R. Moscadelli, L. Sanna, A. Shinnaga, H.	NAOJ INA INA INA Caltech	Probing the water maser jet in G19.61-0.23		1	17	8
BG201	Giovannini, G. Gioletti, M. Liuzzo, E. Orienti, M. Taylor, G.	Bologna Bologna Bologna Bologna UNM	VLBA Observations of an old friend: B2 1144+35B		1,4	31	8.25
BG205	Greenhill, L. Chandler, C. Goddi, C. Humphreys, L. Matthews, L.	Cfa NRAO-Socorro ESO ESO Haystack	Resolving Outflow Launch and Collimation 10-100 AU from a High-mass YSO		0.7,3	24	8
BG207	Gioletti, M. Cotton, W. Edwards, P. Fuhmann, L. Giovannini, G. Jorstad, S. Kino, M. Kovalev, Y. Krichbaum, T. Marscher, A. Orienti, M. Paneque, D. Perez-Torres, M. Piner, G. Sokovsky, K.	Bologna NRAO ATNF MPIFR Bologna Boston Univ. Japan Lebedev MPIFR Boston Univ. Bologna Stanford IAA Whittier MPIFR	Comprehensive VLBA monitoring of two TeV blazars		0.7,1,2	14	8
BL149	Lister, M. Cooper, N. Fromm, C.	Purdue Purdue MPIFR	The VLBA 2cm MOJAVE/Glast Program		2	22	23

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Progrm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BL166	Lanyi, G. Boboltz, D. Charlo, P. Fey, A. Fomalont, E. Geldzahler, B. Gordon, D. Jacobs, C. Ma, C. Naudet, C. Romney, J. Sovers, O. Zhang, L.	JPL USNO Bordeaux Obs. USNO NRAO NASA NASA JPL NASA JPL NRAO-Socorro JPL JPL	High Precision K/Q-band Astrometry		1,4,13	14	24
BM303	Marscher, A. Agudo, I. Gomez, J. Hagen-Thorn, V. Jorstad, S. Larinov, V.	Boston Univ. IAA IAA St. Petersburg Boston Univ. St. Petersburg	Comprehensive Multiwaveband Monitoring of Gamma-Ray Bright Blazars		0.7	2	24
B0035	Orienti, M. Dallacasa, D.	IRA Bologna	Physical conditions in young radio sources		1,2,4,6,13 20	28	10
B0036	Ojha, R. Cheung, C. Dutka, M. Fuhrmann, L. Giroletti, M. Kadler, M. Kataoka, J. Taylor, G.	USNO NASA Catholic Univ. MPIfR Bologna NASA Tokyo UNM	High resolution, dual-frequency polarization monitoring of 3c84 in active state		0.7,1	16	12.5
B0038	Orienti, M. Dallacasa, D.	Bologna Bologna	Steep spectrum sources and the duty cycle of the radio emission		4,6	16,21	15
BP161	Pihlstrom, Y. Fish, V. Sjouwerman, L.	UNM Haystack NRAO-Socorro	Proper Motions in the Galactic Center		0.7	7,10	12
BR145	Reid, M. Bartkiewicz, A. Brunthaler, A. Choi, Y. Dame, T. Hachisuk, K. Menten, K. Mollenbrock, G. Moscadelli, L. Sanna, A. Sato, M. Xu, Y. Zhang, B. Zheng, X.	Cfa UNC MPIfR MPIfR Cfa Shanghai MPIfR NRAO-Socorro INA INA Tokyo Chinese Academy Nanjing Nanjing	Mapping the Milky Way		1	1,4,30	15.5
BR152	Rodriguez, L. Gomez, Y. Loiuard, L. Mioduszewski, A.	UNAM UNAM UNAM NRAO-Socorro	The Size and Morphology of the Non-Thermal Component in Cyg OB2 #5		4	31	2.25
BR156	Reynolds, C. O'Dea, C. Punsly, B.	Curtin Univ. Rochester Emerald	The Nuclear Environment of the First Radio Loud BASQSO J1556+3517		2,4,6,20	24	8
BR158	Ramstedt, S. Ferreira, M. Kemball, A. Maercker, M. Olofsson, H. Vlemmings, W.	Bonn Bonn Univ. of Illinois Bonn Onsala Bonn	The SiO masers close to the binary AGB star W Aql		0.7	20	9
BS206	Sivakoff, G. Deller, A. Dhawan, V. Miller-Jones, J.	UVA NRAO-Socorro NRAO-Socorro NRAO	The Ultimate VLBA Calibrator Search for Galactic Black Hole X-ray Binaries		20	6,8,12,19	11

VLBA Utilization Report January 2011

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BW094	Walker, C. Beilcke, M. Cheung, C. Giroletti, M. Hardee, P. Harris, D. Junor, B. Krawczynski, H. Mazin, D. McConville, W. Perez-Torres, M. Raue, M. Wagner, R. Wagner, S.	NRAO-Socorro Washington Univ. NRL IRA Univ. of Alabama Cfa LANL Washington Univ. IFAE Maryland IAA MPIfR MPIfR MPIfR	Flaring the 43 GHz Radio Core of M87		0.7	4,18	2
BW095	Walker, C. Beilick, M. Cheung, C. Giroletti, M. Hardee, P. Harris, D. Junor, B. Krawczynski, H. Ly, C. Mazin, D. McConville, W. Perez-Torres, M. Raue, M. Wagner, R. Wagner, S.	NRAO-Socorro Washington Univ. NASA Bologna Univ. of Alabama Cfa LANL Washington Univ. STSci IFAE Maryland IAA MPIfR MPIfR MPIfR	Confirming the Association of Flaring TeV Emission with the Core of M87, III		0.7,1	22	11
BY128	Yan, Z. Shen, Z. Wang, N.	Shanghai Shanghai Chinese Observatory	VLBA Astrometry of Planet Pulsar PSR B1257+12		20	8	4
S3111	Kovalev, Y. Petrov, L.	Lebedev NASA	1FGL Active Galactic Nuclei at Parsec Scales		4	9	24
S3125	Savolainen, T. Gehrels, N. Kovalev, Y. Nilsson, K. Sokolovsky, K.	MPIfR NASA Lebedev Univ. of Turku MPIfR	Filming the jets of the archetypical gamma-ray quasars 3c273 and 3c279 at Sub-Parsec Resolution		0.7,1,2,3	6,25,30	24

Based on Actual Hours Observed

The average downtime was 14.079 hours 3.80%

Actual observing time was 356.421 hours

The VLBA was scheduled 100.00% of the time 744 hours of a possible 744 hours

Astronomical Observations = 49.80% (370.50 hours)
 Tests and Calibrations = 10.92% (81.25 hours)
 Maintenance = 9.14% (68.00 hours)
 Number of unscheduled hours = 25.84% (192.25 hours)
 Number of Shutdown hours = 4.30% (32.00 hours)

 Based on Scaled (128Mbps) Observing Hours

Number of scaled hours of astronomical observations = 1084.71 hrs

Downtime = 3.80% (41.21898 hours)

Actual observing = 1043.49102 hours