

VLBA Utilization Report December 2010

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	3,6,17,22, 29	40
BB278	Braatz, J. Condon, J. Hao, L. Henkel, C. Impellizeri, V. Lo, K.Y. Reid, M. Vidal, I.	NRAO NRAO Univ. of Texas MPIfR NRAO NRAO CfA MPIfR	The Megamaser Cosmology Project: Year 3		1	30	12
BC170	Creel, B. Claussen, M. Pihlstrom, Y.	UNM NRAO-Socorro UNM	Parallax Measurements of Proto-Planetary and Young Planetary Nebulae		1,20	1	0.25
BC191	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	11,12,19 21	28.50
BD143	Deller, A. Archibald, A. Brisken, W. Chatterjee, S. Kaspi, V. Lorimer, D. McLaughlin, M. Ranson, S. Stairs, I.	NRAO-Socorro McGill Univ. NRAO-Socorro Cornell McGill Univ. West Virginia Univ. West Virginia Univ. NRAO British Columbia	A VLBA parallax of the binary MSP J1023+0038		20	3	4
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	1,11,15 19,20,22 28	21.50
BE057	Edwards, P. Piner, G.	ATNF Whittier College	Four new TeV emitting High Frequency-Peaking BL Lacs		4	28	12
BH172	Hallinan, G. Bourke, S. Brisken, W. Francois Donati, J. Golden, A. Morin, J.	NRAO JIVE NRAO-Socorro CNRS Ireland CNRS	Simultaneous VLBI and Zeeman Doppler Imaging of Algol's Coronal Loop		2	17	4
BL149	Lister, M. Cooper, N. Fromm, C.	Purdue Purdue MPIfR	The VLBA 2cm Mojave/Glast Program		2	24	24
BM292	Ma, C. Behrend, D. Boboltz, D. Fey, A. Fomalont, E. Gaume, R. Gipson, J. Johnston, K. Kingham, K. MacMillian, D. Ojha, R. Thomas, C. Walker, C.	NASA NASA USNO USNO NRAO USNO NASA USNO USNO NASA USNO NASA NRAO-Socorro	VLBA Geodesy/Astrometry observations for 2009		4,13	7	24
BM300	Marti-Vidal, I. Guirado, J. Marcaide, J. Monferrer, S. Ros, E. Zensus, A.	MPIfR Valencia Valencia Valencia MPIfR MPIfR	Dual-Frequency Global High-Precision Astrometry of Active Galactic Nuclei		0.7,2	18	24
BM303	Marscher, A. Agudo, I. Gomez, J. Hagen-Thorn, V. Jorstad, S. Larinov, V.	Boston Univ. IAA IAA St. Peterburg Boston Univ. St. Petersburg	Comprehensive Multiwaveband Monitoring of Gamma-Ray Bright Blazars		0.7 "	4	24
BM333	Marecki, A.	Torun	Motions of the inner lobes of double radio galaxy 1151 + 384		1,2	7	5.5

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BM341	Marecki, A.	Torun	Location of the core in the possibly restarted source 0932+075		1	15	4
B0036	Ojha, R. Cheung, C. Dutka, M. Fuhrmann, L. Giroletti, M. Kadler, M. Kataoka, J. Taylor, G.	USNO NASA CUA MPIFR Bologna NASA Tokyo UNM	High resolution, dual-frequency polarization monitoring of 3c84 in active state		0.7,1	8	12.5
B0038	Orienti, M. Dallacasa, D.	Bologna Bologna	Steep spectrum sources and the duty cycle of the radio emission		4,6	31	5.25
BR145	Reid, M. Bartkiewicz, A. Brunthaler, A. Choi, Y.K. 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 Tokoyo Chinese Academy Nanjing Nanjing	Mapping the Milky Way		1	10,12,14 16,19 23,31	47.5
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		1,4	13	6
BS205	Sarma, A. Momjian, E.	DePaul Univ. NRAO-Socorro	Exploratory VLBA Observation of 44 GHz methanol masers in OMC-2		0.7	14	5
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	8,11,20	6.5
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 Univ. of California Washington Univ. IFAE Univ. of Maryland IAA MPIFR MPIFR MPIFR	Flaring in the 43 GHz Radio Core of M87		0.7	10,23	2
S3111	Kovalev, Y. Petrov, L.	Lebedev NASA	1FGL Active Galactic Nuclei at Parsec Scales		4	5,26	48
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 3,4,6	13	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 Univ. West Virginia NRAO NRL Stanford Centre d' Etudes Obs. de Paris Bonn	Precision Distance and Velocities for Fermi-detected Radio Pulsars		20	11	2

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

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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	1,7,19,24	24.75
BB278	Braatz, J. Condon, J. Hao, L. Henkel, C. Impellizeri, V. Lo, K.Y. Reid, M. Yu-Kuo, C.	NRAO NRAO Univ. of Texas MPIfR NRAO NRAO CfA UVA	The Megasmaser Cosmology Project: Year 3		1	21,28	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	19	12
BC170	Creel, B. Claussen, M. Pihlstrom, Y.	UNM NRAO-Socorro UNM	Parallax Measurements of Proto-Planetary and Young Planetary Nebulae		1,20	30	8
BD143	Deller, A. Archibald, A. Briskin, W. Chatterjee, S. Kaspi, V. Lorimer, D. McLaughlin, M. Ranson, S. Stairs, In.	NRAO-Socorro McGill Univ. NRAO-Socorro Cornell McGill Univ. West Virginia Univ. West Virginia Univ. NRAO British Columbia	A VLBA parallax of the binary MSP J1023+0038		20	17	4
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 the VLBA		20	6,12,17,23,25	14.25
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	Gabuzda, D. Kudryavtseva, N. Lisakov, M. Lister, M. Mahmud, M. McCann, M. Murphy, E. Pushkarev, A. Reichstein, A. Vitrishak, V.	Cork Cork Sternberg Purdue Cork Cork Cork MPIfR Cork Sternberg	18-22cm VLBA Polarization Observations of the 135 MOJAVE-I Sources		20	5	24
BH172	Hallinan, G. Bourke, S. Briskin, W. Francois Donati, J. Golden, A. Morin, J.	NRAO JIVE NRAO-Socorro CNRS Ireland CNRS	Simultaneous VLBI and Zeeman Doppler Imaging of Algol's Coronal Loop		2	27	4
BL149	Lister, M. Cooper, N. Fromm, C.	Purdue Purdue MPIfR	The VLBA 2cm MOJAVE/GLAST Program		2	4,13,20,29	96
BM292	Ma, C. Behrend, D. Boboltz, D. Fey, A. Fomalont, E. Gaume, R. Gipson, J. Johnston, K. Kingham, K. MacMillian, D. Ojha, R. Thomas, C. Walker, C.	NASA NASA USNO USNO NRAO USNO USNO NASA USNO USNO NASA USNO NASA NRAO-Socorro	VLBA Geodesy/ Astrometry Observations for 2009		4,13	17	24

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BO036	Ojha, R. Cheung, C. Dutka, M. Fuhrmann, L. Giroletti, M. Kadler, J. Taylor, G.	USNO NASA CUA MPIFR Bologna Tokyo UNM	High resolution, dual-frequency polarization monitoring of 3C84 in active state		0.7,1	12	12.5
BR145	Reid, M. Bartkiewicz, A. Brunthaler, A. Choi, Y.K. 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 Tokoyo Chinese Academy Nanjing Nanjing	Mapping the Milky Way		1	14,15,16 18,23,26,27	54
BS206	Schinzel, F. Lobanov, A. Taylor, G. Zensus, A.	MPIFR MPIFR UNM MPIFR	Connection between radio and gamma-ray emission of 3C345		20	11	2
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 Univ. of California Washington Univ. IFAE Univ. of California IAA MPIFR MPIFR MPIFR	Flaring in the 43 GHz Radio Core of M87		0.7	12,26	2.25
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	8,10,11	58
S3119	Kovalev, Y. Petrov, L.	Lebedev NASA	1FGL Active Galactic Nuclei at Parsec Scales		0.7	1,6,12	48
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		0.7,0.3,1,2	21	8

Based on Actual Hours Observed

The average downtime was 15.75275 hours 3.70%

Actual observing time was 409.99725 hours

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

Astronomical Observations	=	59.13%	(425.75	hours)
Tests and Calibrations	=	5.38%	(38.75	hours)
Maintenance	=	6.11%	(44.00	hours)
Number of unscheduled hours	=	26.04%	(187.50	hours)
Number of Shutdown hours	=	3.33%	(24.00	hours)

Based on Scaled (128Mbps) Observing Hours

Number of scaled hours of astronomical observations = 1153.574 hrs

Downtime = 3.70% (42.682238 hours)

Actual observing = 1110.891762 hours

VLBA Astronomical Observing October 2010

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Progrm	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	1,7,16,31	31.25
BB269	Briskin, W. Coles, B. Deller, A. Jian 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
BB286	Busch, M. Benner, L. Briskin, W. Brozovic, M. Giorgini, J. Nolan, M.	Caltech JPL NRAO-Socorro JPL JPL NAIC	Radar Speckle Observations of Near-Earth Asteroids		13	29,30	1.5
BB289	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-Socorro Amsterdam McGill Univ. Netherlands Netherlands West Virginia Univ. Uva West Virginia Univ. NRAO British Columbia	Feasibility investigation of measuring astrometric values for pulsar J2222-01		20	1	2
BB295	Bietenholz, M. Bartel, N. Buchner, S. Kondratiev, V. Ransom, S.	York York HarTRAO Netherlands NRAO	Proper motion of the Young Pulsar J0205+6449 in 3C 58		20	18	12
BC191	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	23	9
BC192	Cotton, W. Ragland, S.	NRAO Keck	Magnetic Fields in the Atmosphere of 1K Tau		0.7	17	10
BH167	Hough, D.	Trinity Univ.	Acceleration on 10-100 pc Scales in Lobe-dominated Quasars-Part III		2,4	22	8
BL149	Lister, M. Cooper, N. Fromm, C.	Purdue Purdue MPIfR	The VLBA 2cm MOJAVE/GLAST Program		2	15,25,28	60
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	19	9
BM292	Ma, C. Behrend, D. Boboltz, D. Fey, A. Fomalont, E. Gaume, R. Gipson, J. Johnston, K. Kingham, K. MacMillian, D. Ojha, R. Thomas, C. Walker, C.	NASA NASA USNO USNO NRAO USNO NASA USNO USNO NASA USNO NASA NRAO-Socorro	VLBA Geodesy/Astrometry Observations for 2009		4,13	13	24
BM303	Marscher, A. Agudo, I. Gomez, J. Hagen-Thorn, V. Jorstad, S. Larinov, V.	Boston Univ. IAA IAA St. Peterburg Boston Univ. St. Petersburg	Comprehensive Multiwaveband Monitoring of Gamma-Ray Bright Blazars		0.7	24	24
BM335	Miller-Jones, J. Jonker, P. Nelemans, G. Sivakoff, G.	NRAO Cfa Nijmegen Uva	Astrometry of Aql X-1 and the Luminosity of Type I X-ray bursts		4	17	8

VLBA Astronomical Observing October 2010

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
B0036	Ojha, R. Cheung, C. Dutka, M. Fuhrmann, L. Giroletti, M. Kadler, M. Kataoka, J. Taylor, G.	USNO NASA CUA MPIfR Bologna NASA Tokyo UNM	High resolution, dual-frequency polarization monitoring of 3C84 in active state		0.7,1	2	12.25
BR145	Reid, M. Bartkiewicz, A. Brunthaler, A. Choi, Y.K. Dame, T. Hachisuk, K. Menten, K. Mollenbrock, G. Moscadelli, L. Sanna, A. Sato, M. Xu, Y. Zhang, Bo. Zheng, X.	Cfa UNC MPIfR MPIfR Cfa Shanghai MPIfR NRAO-Socorro INA INA Tokoyo Chinese Academy Nanjing Nanjing	Mapping the Milky Way		1,2	1,3,7,11 22,23,28 29	55
BS198	Sarma, A. Momjian, E. Pastorius, M. Romney, J. Troland, T. Vlemmings, W.	DePaul Univ. NRAO-Socorro DePaul Univ. NRAO-Socorro Univ. of Kentucky Bonn	VLBA Observations of water maser polarization in W3(OH)		1	30	12
BV070	van der Horst, A. Garrett, M. Granot, J. Kouveliotou, C. Paragi, Z. Ramirez-Ruiz, E. Taylor, G. Wijers, R.	NASA Netherlands Hertfordshire NASA JIVE Univ. of California UNM Amsterdam	VLBA observations of the new hard X-ray transient MAXI J1659-152		6	2,6,14,19	24
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 Univ. of California Washington Univ. IFAE Univ. of Maryland IAA MPIfR MPIfR MPIfR	Flaring in the 43 GHz Radio Core of M87		0.7	14,29	2
GL035	Lobanov, A. Bremer, M. Hagiwara, Y. Kovalev, Y. Krichbau, T. Zensus, J.	MPIfR IRAM NAOJ KASI MPIfR MPIfR	Microarcsecond-scale structure of extragalactic radio sources at 86 GHz		0.7,3	8	62.25
GT008	Trippe, S. Bremer, M. Krichbaum, T. Neri, R.	IRAM IRAM MPIfR IRAM	Mapping the Polarized Spatial "Fine Structure" of Three Active Galactic Nuclei		0.7,3	8,11	25.25
S2087	Gehrels, N. Kadler, M. Savalainen, T. Sokolovsky, K. Wilms, J.	NASA Univ. Nurnberg MPIfR MPIfR Univ. Nurnberg	Follow-Up Study of the Brightest Gamma-Ray Flares in Fermi Blazars		0.7,1,2,3, 4	18	8
S3125	Savalainen, 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	27	8

VLBA Astronomical Observing October 2010

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
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 Univ. West Virginia NRAO NRL Stanford Centre d' Etudes Obs. de Paris Bonn	Precision Distance and Velocities for Fermi-detected Radio Pulsars		20	5,6	10.5

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BB240	Bower, G. Bolatto, A. Ford, E. Kalas, P.	Calif., Berkeley Calif., Berkeley Cfa Calif., Berkeley	RIPL: Radio Interferometric Planet Search		4	4,8,19,27	32
BB277	Brunthaler, A. Bower, G. Falcke, H. Menten, K. Reid, M.	MPIfR Calif., Berkeley Nijmegen MPIfR Cfa	The evolution of SN 2008iz in M82		4,6,13,20	5	12
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	13	8
BC191	Condon, J. Darling, J. Kovalev, Y. Petrov, L.	NRAO Boulder Lebedev NASA	A Search for in Spiraling, Binary, and Recoiling Black Holes in Nearby Galaxies		4,13	7,11,14,16	30.25
BG196	Gabuzda, D. Kudryavtseva, N. Lisakov, M. Lister, M. Mahmud, M. McCann, M. Murphy, E. Pushkarev, A. Reichstein, A. Vitrishchak, V.	Cork Cork Sternberg Purdue Cork Cork Cork MPIfR Cork Sternberg	18-22cm VLBA Polarization Observations of the 135 MOJAVE-I Sources		20	23	24
BG204	Giroletti, M. Giovannini, G. Kadler, M. Liuzzo, E. Massaro, E. Taylor, G. Tosti, G.	Bologna Bologna Univ. Nurnberg Bologna Univ. of Roma UNM Univ. of Perugia	The jets of BL Lacs and their connection to the gamma-ray emission continued		2,4	1	12
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	8	4
BK163	Yu Kuo, C. Braatz, J. Condon, J. Gugliucci, N. Henkel, C. Impellizzeri, V. Lo, K.Y. Reid, M.	UVa NRAO NRAO UVa MPIfR NRAO NRAO Cfa	Precise Masses of Supermassive Black Holes in Nearby Active Galaxies		1	6,7	24
BL149	Lister, M. Cooper, N. Fromm, C. Kuchibhotia, H.	Purdue Purdue MPIfR Purdue	The VLBA 2cm MOJAVE/GLAST Program		2	17,27,29	72
BL160	Loinard, L. Mioduszewski, A. Rodriguez, L. Torres, R.	UNAM NRAO-Socorro UNAM UNAM	Measuring the distance to the Serpens core with 1% precision		4	3	5
BL176	Loinard, L. Deller, A. Dzib, S. Gomez, Y. Mioduszewski, A. Rodriguez, L. Torres, R.	UNAM NRAO-Socorro UNAM UNAM NRAO-Socorro UNAM UNAM	The distance to Monoceros: one of the nearest high-mass star-forming regions		4	13,20,26	27

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BM292	Ma, C. Behrend, D. Boboltz, D. Fey, A. Fomalont, E. Gaume, R. Gipson, J. Johnston, K. Kingham, K. MacMillian, D. Ojha, R. Thomas, C. Walker, C.	NASA NASA USNO USNO NRAO USNO NASA USNO USNO NASA USNO NASA NRAO-Socorro	VLBA Geodesy/Astrometry Observations for 2009		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 Multivaveband Monitoring of Gamma-Ray Bright Blazars		7	18	24
BM332	Middelberg, E. Alef, W. Brisken, W. Deller, A. Lenc, E. Morgan, J. Norris, R. Rottmann, H. Tingay, S.	Bochum MPIFR NRAO-Socorro NRAO-Socorro ATNF Bologna ATNF MPIFR Curtin Univ.	A wide-field VLBI survey of 508 sources in the Lockman Hole/XXM field		20	3	12
BM348	Majid, W. Brisken, W. Deller, A. Thompson, d. Tingay, S. Wagstaff, K. Wayth, R.	JPL NRAO-Socorro NRAO-Socorro JPL Curtin Univ. JPL Curtin Univ.	Fast transient search pipeline validation with observation of bright pulsars		20	30	2
BR145	Reid, M. Bartkiewicz, A. Brunthaler, A. Choi, Y.K. Dame, T. Hachisuk, K. Menten, K. Mollenbrock, G. Moscadelli, L. Sanna, A. Sato, M. Xu, Y. Zhang, Bo. Zheng, X.	CfA UNC MPIFR MPIFR CfA Shanghai MPIFR NRAO-Socorro INA INA Tokoyo Chinese Academy Nanjing Nanjing	Mapping the Milky Way		1,2	2,5,10,11, 12,19,20, 24,25	77
BY128	Yan, Z. Shen, Z. Wang, N.	Shanghai Shanghai Chinese Academy	VLBA Astrometry of Planet Pulsar PSR B1257+12		20	30	4
BZ039	Zhang, Bo. Menten, K. Reid, M. Zheng, X.	Nanjing MPIFR CfA Nanjing	A Trigonometric Parallax for the Luminous Supergiant VX Sgr		1,7	15	7
S2087	Gehrels, N. Kadler, M. Savalainen, T. Sokolovsky, K. Wilms, J.	NASA Univ. Nurnberg MPIFR MPIFR Univ. Nurnberg	Follow-Up Study of the Brightest Gamma-Ray Flares in Fermi Blazars		1,2,4,6,7	9	8

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
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 Univ. West Virginia NRAO NRL Stanford Centre d' Etudes Obs. de Paris Bonn	Precision Distance and Velocities for Fermi-Detected Radio Pulsars		20	2,24,26	7

Based on Actual Hours Observed

The average downtime was 16.19475 hours 3.90%

Actual observing time was 399.05525 hours

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

Astronomical Observations = 57.67% (415.25 hours)
 Tests and Calibrations = 8.86% (63.60 hours)
 Maintenance = 12.92% (93.00 hours)
 Number of unscheduled hours = 20.58% (148.15 hours)
 Number of Shutdown hours = 0.00% (0.00 hours)

 Based on Scaled (128Mbps) Observing Hours

Number of scaled hours of astronomical observations = 1174.764hrs

Downtime = 3.90% (45.815796 hours)

Actual observing = 1128.948204 hours

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Progrm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
AY204	Yusef-Zadeh, F. Miller-Jones, J. Roberts, D. Wardle, M.	Northwestern Univ. NRAO Northwestern Univ. MacQuarie Univ.	The Quiescent and Flaring Variability of Agr A		0.7	12,13,14 15,16	35
BB240	Bower, G. Bolatto, A. Ford, E. Kalas, P.	Calif., Berkeley Calif., Berkely CfA Calif., Berkeley	RIPL: Radio Interferometric Planet Search		4	6,9,20,27	32
BB269	Briskin, W. Coles, B. Deller, A. Jian 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	2	4
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	22	8
BC191	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	3,10,11,20 21,29	34.5
BC192	Cotton, W. Ragland, S.	NRAO Keck	Magnetic Fields in the Atmosphere of IK Tau		0.7	12	10
BG196	Gabuzda, D. Kudryavtseva, N. Lisakov, M. Lister, M. Mahmud, M. McCann, M. Murphy, E. Pushkarev, A. Reichstein, A. Vtrishchak, V.	Cork Cork Sternberg Purdue Cork Cork Cork MPIfR Cork Sternburg	18-22cm VLBA Polarization Observations of the 135 MOJAVE-I Sources		20	23	24
BG204	Giroletti, M. Giovannini, G. Kadler, M. Liuzzo, E. Massaro, E. Taylor, G. Tosti, G.	Bologna Bologna Univ. Nurnberg Bologna Univ. of Roma UNM Univ. of Perugia	The jets of BL Lacs and their connection to the gamma-ray emission continued		2,4	29	12
BK163	Yu Kuo, C. Braatz, J. Condon, J. Gugliucci, N. Henkel, C. Impellizzeri, V. Lo, K.Y. Reid, M.	UVA NRAO NRAO UVA MPIfR NRAO NRAO CfA	Precise Masses of Supermassive Black Holes in Nearby Active Galaxies		1	8	11.75
BL149	Lister, M. Cooper, N. Fromm, C. Kuchibhotia, H.	Purdue Purdue MPIfR Purdue	The VLBA 2cm MOJAVE/GLAST Program		2	6,27	48
BM292	Ma, C. Behrend, D. Boboltz, D. Fey, A. Fomalont, E. Gaume, R. Gipson, J. Johnston, K. Kingham, K. MacMillian, D. Ojha, R. Thomas, C. Walker, C.	NASA NASA USNO USNO NRAO USNO NASA USNO USNO NASA USNO NASA USNO NRAO-Socorro	VLBA Geodesy/Astrometry Observations for 2009		4,13	4	24
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	1,21	48

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BM321	Melis, C. Bower, G. Mioduszeowski, A. Reid, M. Stauffer, J.	Calif., San Diego Calif., Berkeley NRAO-Socorro CfA Caltech	Towards a VLBA Resolution of the Pleiades Distance Controversy		4	14,21	20
B0035	Orienti, M. Dallacasa, D.	INAF Bologna	Physical conditions in young radio sources		1,2,4,13,20	5	10
B0036	Ojha, R. Cheung, C. Dutka, M. Fuhrmann, L. Giroletti, M. Kadler, M. Kataoka, J. Taylor, G.	USNO NASA CUA MPIFR Bologna NASA Tokyo UNM	High resolution, Dual-frequency polarization monitoring of 3c84 in active state		0.7,1	19,26	25
BP161	Pihlstrom, Y. Fish, V. Sjouwerman, L.	UNM Haystack NRAO-Socorro	Proper Motions in the Galactic Center		0.7	12	6
BR145	Reid, M. Bartkiewicz, A. Brunthaler, A. Choi, Y.K. Dame, T. Hachisuka, K. Menten, K. Moellenbrock, G. Moscadelli, L. Sanna, A. Sato, M. Xu, Y. Zhang, Bo. Zheng, X.	CfA UNC MPIFR MPIFR CfA Shanghai MPIFR NRAO-Socorro INA INA Tokyo Chinese Academy Nanjing Nanjing	Mapping the Milky Way		1,2,4	9,15,20,23, 25,29	35.25
S2087	Kovalev, Y. Gehrels, N. Kadler, M. Savalainen, T. Sokolovsky, K. Wilms, J.	MPIFR NASA Univ. Nurnberg MPIFR MPIFR Univ. Nurnberg	Follow-Up Study of the Brightest Gamma-Ray Flares in Fermi Blazars		0.7,1,2,4, 6	1,28	16
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 Univ. West Virginia NRAO NRL Stanford Centre d' Etudes Obs. de Paris Bonn	Precision Distance and Velocities for Fermi-Detected Radio Pulsars		20	29	3

Based on Actual Hours Observed

The average downtime was 23.1705 hours 5.70%

Actual observing time was 383.3295 hours

The VLBA was scheduled 100.0% of the time 744 hours of a possible 744 hours

Astronomical Observations	=	54.64%	(406.50 hours)
Tests and Calibrations	=	8.03%	(59.74 hours)
Maintenance	=	10.11%	(75.25 hours)
Number of unscheduled hours	=	27.22%	(202.50 hours)
Number of Shutdown hours	=	0.00%	(0.00 hours)

Based on scaled (128Mbps) Observing Hours

Number of scaled hours of astronomical observations = 1113.18 hrs

Downtime = 5.705 (63.5126 hours)

Actual observing = 1049.72874 hours

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BA095	Amiri, N. Kemball, A. van Langevelde, H. Vlemmings, W.	Univ. of Michigan Univ. of Illinois JIVE Bonn	SIO maser polarization of OH/IR stars		0.7	6	12.0
BA097	Argo, M. Dallacasa, D. Fenech, D. Lenc, E. Mantovani, F. Middelberg, E. Morgan, J. Tingay, S. Wucknitz, O.	Curtin Univ. Bologna London ATNF Bologna Bonn Bologna Curtin Univ. Bonn	Wide-field observations of M31		20	4	7.5
BB240	Bower, G. Bolatto, A. Ford, E. Kalas, P.	Calif., Berkeley Calif., Berkeley CfA Calif., Berkeley	RIPL: Radio Interferometric Planet Search		4	7,9,16,21, 31	40
BB274	Beasley, A. Goss, M.	NEON NRAO-Socorro	Imaging the Magnetic Propeller in AE Aqr		4	2,20,25	24
BB277	Brunthaler, A. Bower, G. Falcke, H. Menten, K. Reid, M.	MPIfR Calif., Berkeley Nijmegen MPIfR CfA	The evolution of SN 2008iz in M82		4,6,13,20	2	12
BB289	Boyles, J. Archibald, A. Deller, A. Hessels, J. Kaspi, V. Kondratiev, V. Leeuwen, J. Lorimer, D. Lynch, R. McLaughlin, M. Ransom, S. Stairs, In.	West Virginia Univ. McGill Univ. NRAO-Socorro Amsterdam McGill Univ. Netherlands Netherlands West Virginia Univ. UvA West Virginia Univ. NRAO British Columbia	Feasibility investigation of measuring astrometric values for pulsar J2222-01		20	1	2
BC191	Condon, J. Darling, J. Kovalev, Y. Petrov, L.	NRAO Boulder Lebedev NASA	A Search for In spiraling, Binary, and Recoiling Black Holes in Nearby Galaxies		4,13	15,21	13
BD149	Day, F. Claussen, M. Pihlstrom, Y. Sahai, R.	UNM NRAO-Socorro UNM JPL	Identifying Suitable Calibrators for VLBA Astrometry Measurements of PPNS		1	4,18	2
BG196	Gabuzda, D. Kudryavtseva, N. Lisakov, M. Lister, M. Mahmud, M. McCann, M. Murphy, E. Pushkarev, A. Reichstein, A. Vitriishchak, V.	Cork Cork Sternberg Purdue Cork Cork Cork MPIfR Cork Sternberg	18-22cm VLBA Polarization Observations of the 135 MOJAVE-I Sources		20	29	24
BG202	Giovannini, G. Giroletti, M. Liuzzo, E. Orienti, M. Taylor, G.	Bologna Bologna Bologna Bologna UNM	VLBA Observations of a complete sample of radio sources		6	10	24
BK163	Yu Kuo, C. Braatz, J. Condon, J. Gugliucci, N. Henkel, C. Impellizzeri, V. Lo, K.Y. Reid, M.	UvA NRAO NRAO UvA MPIfR NRAO NRAO CfA	Precise Masses of Supermassive Black Holes in Nearby Active Galaxies		1	6	12
BL149	Lister, M. Cooper, N. Fromm, C. Kuchibhotla, H.	Purdue Purdue MPIfR Purdue	The VLBA 2cm MOJAVE/GLAST Program		2	12	24

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BL174	Liuzzo, E. Giovannini, G. Giroletti, M. Taylor, G.	Bologna Bologna Bologna UNM	New VLBA observations of two peculiar Brightest Clusters Galaxies		20	27,30	8
BM332	Middelberg, E. Alef, W. Briskin, W. Deller, A. Lenc, E. Morgan, J. Norris, R. Rottmann, H. Tingay, S.	Bochum MPIfR NRAO-Socorro NRAO-Socorro ATNF Bologna ATNF MPIfR Curtin Univ.	A wide-field VLBI survey of 508 sources in the Lockman Hole/XMM field		20	4,16	24
BM335	Miller-Jones, J. Jonker, P. Nelemans, G. Sivakoff, G.	NRAO CfA Nijmegen Uva	Astrometry of Aql X-1 and the Luminosity of Type I X-ray bursts		4	23,24	16
B0036	Ojha, R. Cheung, C. Dutka, M. Fuhrmann, L. Giroletti, M. Kadler, M. Kataoka, J. Taylor, G.	USNO NASA CUA MPIfR Bologna NASA Tokyo UNM	High resolution, dual-frequency polarization monitoring of 3C84 in active state		0.7,1	18	12.5
BR145	Reid, M. Bartkiewicz, A. Brunthaler, A. Choi, Y.K. Dame, T. Hachisuka, K. Menten, K. Moellenbrock, G. Moscadelli, L. Sanna, A. Sato, M. Xu, Y. Zhang, Bo. Zheng, X.	CfA UNC MPIfR MPIfR CfA Shanghai MPIfR NRAO-Socorro INA INA Tokyo Chinese Academy Nanjing Nanjing	Mapping the Milky Way		1	1,26	7.5
BR159	Rushton, A. Dhawan, V. Fender, R. Garrett, M. Maccarone, T. Miller-Jones, J. Paragi, Z. Pooley, G. Spencer, R. Tudose, V.	ESO NRAO-Socorro Southampton Netherlands Southampton NRAO JIVE Cambridge Jodrell Bank Netherlands	High-resolution observations of Cygnus X-1 during a state transition		4,6,13	12,15,17 19,22	26.50
BT110	Taylor, G. Linford, J. Readhead, A. Reeves, R. Richards, J.	UNM UNM Caltech Caltech Caltech	Radio Characteristics of Low Luminosity Fermi AGN		6	3,11,30	32.75
BY128	Yan, Z. Shen, Z. Wang, N.	Shanghai Shanghai Chinese Academy	VLBA Astrometry of Planet Pulsar PSR B1257+12		20	1	3.25
BY129	Yusef-Zadeh, F. Brunthaler, A. Cotton, W. De Pree, C.	Northwestern Univ. MPIfR NRAO Agnes Scott	Confirmation of Non-thermal Radio Continuum Emission from Sgr B2		4	10	8
S2087	Kovalev, Y. Gehrels, N. Kadler, M. Savalainen, T. Sokolovsky, K. Wilms, J.	MPIfR NASA Univ. Nurnberg MPIfR MPIfR Univ. Nurnberg	Follow-Up Study of the Brightest Gamma-Ray Flares in Fermi Blazars		0.7,1,2,4, 6	9	8
SS001	Summer Students	NRAO-Socorro	Summer Student Project		4	9,22	4

Based on Actual Hours Observed

The average downtime was 5.205 hours 1.50%

Actual observing time was 341.795 hours

The VLBA was scheduled 100.0% of the time 744 hours of a possible 744 hours

Astronomical Observations	=	46.64%	(347.00 hours)
Tests and Calibrations	=	7.96%	(59.20 hours)
Maintenance	=	14.09%	(104.80 hours)
Number of unscheduled hours	=	31.32%	(233.00 hours)
Number of Shutdown hours	=	0.00%	(0.00 hours)

Based on Scaled (128Mbps) Observing Hours

Number of scaled hours of astronomical observations = 1071.102 hrs

Downtime = 1.50% (16.06653 hours)

Actual observing = 1055.03547 hours

VLBA Utilization Report June 2010

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	4,12,19	24
BB287	Boboltz, D. Karovicova, I. Ohnaka, K. Scholz, M. Wittkowski, M.	USNO USNO MPIFR Univ. of Heidelberg ESO	Multi-wavelength Imaging of the Mira Variable RR Aquilae		0.7, 1	12,26	10
BD137	Doi, A. Asada, K.	JAXA JAXA	VLBA imaging of radio-loud BAL quasars		4,6,20	25	10
BE056	Edge, A. Crawford, C. Croston, J. Fabian, A. Hamer, S. Jonstone, R. Russell, H. Taylor, G.	Durham Cambridge Hertfordshire Cambridge Durham Cambridge Cambridge UNM	A VLBA survey of cool core radio sources-the heart of the beast		6	1	12.75
BF100	Forbrich, J. Berger, E. McLean, M.	CfA CfA CfA	Confirmation and astrometric monitoring of the first VLBI-detected brown dwarf		4,13	25	6
BG187	Gugliucci, N. Braatz, J.	Uva NRAO	NGC 23 and UGC 3193: Two New and Unusual Water Megamasers		1	11	8
BG196	Gabuzda, D. Kudryavtseva, N. Mahmud, M. McCann, M. Pushkarev, A. Reichstein, A.	Cork Cork Cork Cork MPIFR Cork	18-22cm VLBA Polarization Observations of the 135 MOJAVE-I Sources		20	18	24
BG199	Gupta, N. Noterdaeme, P. Petitjean, P. Srianand, R.	ATNF IUCAA IAP IUCAA	VLBA radio structure and detectability of 21cm absorption at 0.5,z,3.5		20	10	17.5
BG204	Giroletti, M. Giovannini, G. Kadler, M. Liuzzo, E. Massaro, E. Taylor, G. Tosti, G.	Bologna Bologna Univ. Nurnberg Bologna Univ. of Roma UNM Univ. of Perugia	The jets of BL Lacs and their connection to the gamma-ray emission continued		2,4	1	12
BH152	Homan, D. Aller, H. Lister, M. Wardle, J.	Denison Michigan Purdue Brandeis	Full Stokes Spectra of Parsec-Scale Jets: Moldeing the 3-D Magnetic Field		1,2,4	26	72
BL149	Lister, M. Cooper, N. Fromm, C. Kuchibhotla, H.	Purdue Purdue MPIFR Purdue	The VLBA 2cm MOJAVE/GLAST Program		2	19	24
BL160	Loinard, L. Mioduszewski, A. Rodriguez, L. Torres, R.	UNAM NRAO-Socorro UNAM UNAM	Measuring the distance to the Serpens core with 1% precision		4	9	5
BL170	Liu, X. Lazio, J. Shen, Y. Strauss, M.	Princeton USNO Harvard Princeton	Unveiling Binary Supermassive Black Holes in Double-Peaked Narrow-Line AGNs		4	4	6
BM292	Ma, C. Behrend, D. Boboltz, D. Fey, A. Fomalont, E. Gaume, R. Gipson, J. Johnston, K. Kingham, K. MacMillian, D. Ojha, R. Thomas, C. Walker, C.	NASA NASA USNO USNO NRAO USNO NASA USNO USNO NASA USNO NASA NRAO-Socorro	VLBA Geodesy/Astrometry Observations for 2009		4,13	23	24

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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	14	24
BM332	Middelberg, E. Alef, W. Briskin, W. Deller, A. Lenc, E. Morgan, J. Norris, R. Rottmann, H. Tingay, S.	Bochum MPIfR NRAO-Socorro NRAO ATNF Bologna ATNF MPIfR Curtin Univ.	A wide-field VLBI survey of 508 sources in the Lockman Hole/XMM field		20	3	12
BM346	Miller-Jones, J. Jonker, P.	NRAO Cfa	Constraining the space motion of the strange black hole transient XTE J1752-223		4	17	6
BM347	Moin, A. Chandra, P. Frail, D. Phillips, C. Taylor, G. Tingay, S. Wieringa, M.	Curtin Univ. RMCC NRAO-Socorro ATNF UNM Curtin Univ. ATNF	High Resolution Monitoring of GRB 100418a		4,6	22	8
BR145	Reid, M. Bartkiewicz, A. Brunthaler, A. Choi, Y.K. Dame, T. Hachisuka, K. Menten, K. Moellenbrock, G. Moscadelli, L. Sanna, A. Sato, M. Xu, Y. Zhang, Bo. Zheng, X.	Cfa Nicolaus Copernicus MPIfR MPIfR Cfa Shanghai MPIfR NRAO-Socorro Inst.de Astrofisica Inst.de Astrofisica Univ. of Tokyo Chinese Academy Nanjing Nanjing	Mapping the Milky Way		1,2,4	2,5,7,8,10 13,14,17	47
BR146	Roca-Sogorg, M. Agudo, I. Gomez, J.	Inst. de Astrofisica Inst. de Astrofisica Inst. de Astrofisica	Multifrequency study of 3C120:the inner jet and beyond		2,4,6	21	12
BT108	Tingay, S. Wayth, R.	Curtin Curtin	Searching for dual radio cores in AGN with double-peaked optical emission lines		20	5	15
BT110	Taylor, G. Linford, J. Readhead, A. Reeves, R. Richards, J. Richards, J.	UNM UNM Caltech Caltech Caltech Caltech	Radio Characteristics of Low Luminosity Fermi AGN		6	30	11
BY128	Yan, Z. Shen, Z. Wang, N.	Shanghai Shanghai Chinese Academy	VLBA Astrometry of Planet Pulsar PSR B1257+12		20	30	1
GB071	Beswick, R. Bower, G. Brunthaler, A. Falcke, H. Fenech, D. Henkel, C. Menten, K. Muxlow, T. Reid, M.	Jodrell Bank Calif., Berkeley MPIfR Nijmegen London MPIfR MPIfR Jodrell Bank Cfa	An intriguing new radio sources in M82: The First extragalactic micor-quasar?		20	7	10
S2087	Kovalev, Y. Gehrels, N. Kadler, M. Savalainen, T. Sokolovsky, K. Wilms, J.	MPIfR NASA Univ. Nurnberg MPIfR MPIfR Univ. Nurnberg	Follow-Up Study of the Brightest Gamma-Ray Flares in Fermi Blazars		0.7,1,2,4, 6	25	8

Based on Actual Hours Observed

The average downtime was 29.87525 hours 7.30%

Actual observing time was 379.37475 hours

The VLBA was scheduled 100.0% of the time 720 hours of a possible 720 hours

Astronomical Observations	=	409.25%	(56.84 hours)
Tests and Calibrations	=	114.40%	(15.89 hours)
Maintenance	=	78.50%	(10.90 hours)
Number of unscheduled hours	=	117.85%	(16.37 hours)
Number of Shutdown hours	=	0.00%	(0.00 hours)

Based on Scaled (128Mbps) Observing Hours

Number of scaled hours of astronomical observations = 955.316 hrs

Downtime = 7.30% (69.738068 hours)

Actual observing = 885.577932 hours

P. I. e.

VLBA Utilization Report May 2010

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	5,16,20,28	32
BB274	Beasley, A. Goss, M.	NEON NRAO-Socorro	Imaging the Magnetic Propeller in AE Aqr		4	17	8
BB277	Brunthaler, A. Bower, G. Falcke, H. Menten, K. Reid, M.	MPIfR Calif., Berkeley Nijmegen MPIfR CfA	The evolution of SN 2008iz in M82		4,6,13,20	4	12
BB281	Belicke, M. Junor, W. Krawczynski, H. Ly, C. Marscher, A. Mazin, D. Piner, G. Wagner, R. Walker, C.	Washington Univ. LANL Washington Univ. Calif., Los Angeles Boston IFAE Whittier MPIfR NRAO-Socorro	Pinpointing the TeV gamma-ray emission region of blazars with the VLBA		0.7,1	30	10
BB282	Biggs, A. Iverson, R. Weiss, A.	ESO Univ. of Edinburgh MPIfR	Observing the relationship between AGN and star formation at high redshift		20	17	12
BC188	Choi, Y. Brunthaler, A. Menten, K. Reid, M.	MPIfR MPIfR MPIfR CfA	Parallax of the PPN OH 231.8+4.2-a Laboratory of Advanced Stellar Evolution		0.7,1	1	8
BD143	Deller, A. Archibald, A. Brisken, W. Chatterjee, S. Kaspi, V. Lorimer, D. McLaughlin, M. Ransom, S. Stairs, I.	NRAO-Socorro McGill Univ. NRAO-Socorro Sydney McGill Univ. West Virginia Univ. West Virginia Univ. NRAO-Socorro British Columbia	A VLBA parallax of the binary MSP J1023+0038		20	15,29	8
BD148	Deller, A. Brisken, W. Chatterjee, S. Cordes, J. Goss, M. Lazio, J.	NRAO-Socorro NRAO-Socorro Cornell Cornell NRAO-Socorro NRL	A pulsar astrometry pilot project to identify in-beam calibrators with the VLBA		20	23	4
BE056	Edge, A. Crawford, C. Croston, J. Fabian, A. Hamer, S. Jonstone, R. Russell, H. Taylor, G.	Durham Cambridge Hertfordshire Cambridge Durham Cambridge Cambridge UNM	A VLBA survey of cool core radio sources-the heart of the beast		6	31	1.5
BF100	Forbrich, J. Berger, E. McLean, M.	CfA CfA CfA	Confirmation and astrometric monitoring of the first VLBI-detected brown dwarf		4,13	27	6
BG196	Gabuzda, D. Kudryavtseva, N. Mahmud, M.	Cork Cork Cork	18-22cm VLBA Polarization Observations of the 135 MOJAVE-I Sources		20	21	24
BH159	Hachisuka, K. Brunthaler, A. Menten, K. Mochizuk, N. Reid, M.	SHAO MPIfR MPIfR JAXA Harvard	Distance of water maser source at the Outer arm II		1	14	6
BK163	Yu Kuo, C. Braatz, J. Condon, J. Gugliucci, N. Henkel, C. Impellizzeri, V. Lo, K.Y. Reid, M.	Uva NRAO NRAO Uva MPIfR NRAO NRAO CfA	Precise Masses of Supermassive Black Holes in Nearby Active Galaxies		1	22	12

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BK166	Koerding, E. Cheung, C. Corbel, S. Fuhmann, L. Giroletti, M. Max-Moerbeck, W. Richards, J. Schinzel, F. Sokovsky, K.	CEA NRL CEA MPIfR Bologna Caltech Caltech MPIfR MPIfR	Monitoring the likely GeV emitting NOVA V407 Cyg		6,20	4,14,21	12
BL149	Lister, M. Cooper, N. Fromm, C. Kuchibhotla, H.	Purdue Purdue MPIfR Purdue	The VLBA 2cm MOJAVE/GLAST Program		2	23	24
BL170	Liu, X. Lazio, J. Shen, Y. Strauss, M.	Princeton NRL Harvard Princeton	Unveiling Binary Supermassive Black Holes in Double-Peaked Narrow-Line AGNs		4	21,27	12
BM272	Menten, K. Brunthaler, A. Moscadelli, L. Ried, M. Xheng, X. Xu, Y.	MPIfR MPIfR Arecibo Obs. CfA Nanjing MPIfR	Parallaxes to Outer Galaxy H2O Masers: The Rotation Curve of the Milky Way		1	5	10
BM303	Marscher, A. Agudo, I. Gomez, J. Hagen-Thorn, V. Jorstad, S. Larionov, V.	Boston IAA IAA St. Petersburg Boston St. Petersburg	Comprehensive Multiwaveband Monitoring of Gamma-ray Bright Blazars		0.7	19	24
BM308	Miller-Jones, J. Fender, R. Markoff, S. Migliari, S. Remillard, R. RUpen, M. Russell, D. Sarazin, C. Sivakoff, G.	NRAO Southampton UVA UCSD MIT NRAO-Socorro UVA Virginia Ohio-State	Probing jet acceleration and collimation in stellar-mass compact objects		4	2,6	15.5
BR138	Ribo, M. Moldon, J. Paredes, J.	Barcelona Barcelona Barcelona	Who is coming from SNR G016.8-01.1? Unveiling the nature of LS5039		6	4	6
BR145	Reid, M. Bartkiewicz, A. Brunthaler, A. Choi, Y.K. Dame, T. Hachisuka, K. Menten, K. Mollenbrock, G. Moscadelli, L. Sanna, A. Sato, M. Xu, Ye. Zhang, Bo. Zheng, X.	Harvard UNC MPIfR MPIfR Harvard Shanghai MPIfR NRAO-Socorro INA INA Tokyo Chinese Academy Nanjing Nanjing	Mapping the Milky Way		1,4	12,16,21	15.25
BS198	Sarma, A. Momjian, E. Pastorius, M. Romney, J. Troland, T. Vlemmings, W.	DePaul Univ. NRAO-Socorro DePaul Univ. NRAO-Socorro Univ. of Kentucky Bonn	VLBA Observations of water maser polarization in W3(OH)		1	26	12
BT107	Tarchi, A. Castangia, P. Sanna, A.	Inst. de Astrofisica Inst. de Astrofisica Inst. de Astrofisica	Special offer in the Arp299 system:two H2O + one OH megamasers included		20	28	12.25

VLBA Utilization Report May 2010

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BW093	Walker, C. Beilicke, M. Chenung, C. Hardee, P. Harris, D. Junor, B. Krawczynski, H. Ly, C. Mazin, D. McConville, W. Raue, M. Wagner, R.	NRAO-Socorro Washington Univ. NASA Univ. of Alabama CfA UC-LANL Washington Univ. Calif., Los Angeles IFAE Univ. of Maryland MPIfR MPIfR	Confirming the Association of Flaring TeV Emission with the Core of M87, II		0.7,1	1,15,30	32.5
BZ039	Zhang, Bo. Menten, K. Reid, M. Zheng, X.	Nanjing MPIfR Harvard Nanjing	A Trigonometric Parallax for the Luminous Supergiant VX Sgr		0.7,1	3,6	15
GA024	Araya, E. Goss, M. Hofner, P. Pihlstrom, Y.	NRAO NRAO-Socorro NMT UNM	A New Astrophysical Maser? H2CO 2cm Emission in NGC 7538 IRS1		0.3,0.7	7	16
GB071	Beswick, R. Bower, G. Brunthaler, A. Falcke, H. Fenech, D. Henkel, C. Menten, K. Muxlow, T. Reid, M.	Jodrell Bank Calif., Berkeley MPIfR Nijmegen London MPIfR MPIfR Jodrell Bank CfA	An intriguing new radio sources in M82: The first extragalactic micro-quasar?		6	29	10
GF016	Finn, S. Chambers, E. Jackson, J. Rathborne, J. Simon, R. Stojimirovic, I.	Boston Boston Boston CfA Univ. of Cologne Boston	Kinematic Distances to Northern Infrared Dark Clouds		0.3,0.7	7	11
GK042	Kanekar, N. Carilli, C. Stocke, J.	NRAO-Socorro NRAO-Socorro Univ. of Colorado	A blind GBT Q-band survey for redshifted molecular absorption		0.3,0.7	8	16
GM065	Mangum, J. Cotton, B. Mason, B. Shirley, Y.	NRAO NRAO NRAO Univ. of Arizona	Tracing Protstellar Mass During Star Formation with 9mm Continuum		0.3,0.7	8	72
S2087	Kovalev, Y. Gehrels, N. Kadler, M. Savalainen, T. Sokolovsky, K. Wilms, J.	MPIfR NASA Univ. Nurnberg MPIfR MPIfR Univ. Nurnberg	Follow-Up Study of the Brightest Gamma-Ray Flares in Fermi Blazars		1,2,4,6,.7	15,24	16

Based on Actual Hours Observed

The average downtime was 24.7 hours 5.20%

Actual observing time was 450.3 hours

The VLBA was scheduled 100.0% of the time 744 hours of a possible 744 hours

Astronomical Observations	=	63.84%	(475.00 hours)
Tests and Calibrations	=	7.86%	(58.50 hours)
Maintenance	=	9.01%	(67.00 hours)
Number of unscheduled hours	=	19.29%	(143.50 hours)
Number of Shutdown hours	=	0.00%	(0.00 hours)

Based on Scaled (128Mbps) Observing Hours

Number of scaled hours of astronomical observations = 1187.046 hrs

Downtime = 5.20% (61.726392 hours)

Actual observing = 1125.319608 hours

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VLBA Utilization Report April 2010

Program	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	1,11,20,28	32
BB261	Braatz, J. Gondon, 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 Australia Nat'l U. NRAO CfA CfA UVa UNY	The Megamaser Cosmology Project: Year 2		1	12	12
BB269	Brisken, W. Coles, B. Deller, A. Jian 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	28	4
BB278	Braatz, J. Condon, J. Hao, L. Henkel, C. Impellizzeri, V. Lo, K.Y. Reid, M. Yu Kuo, C	NRAO NRAO Univ. Texas-Austin MPIfR NRAO NRAO CfA UVa	The Megamaser Cosmology Project: Year 3		1	2,5	24
BB291	Brocksopp, C. Corbel, S. Fender, R. Paragi, Z. Tzioumis, A. Yang, J.	UCL CEA Southampton JIVE Australia Nat'l U. JIVE	Catch the decaying radio core of the new X-ray transient XTE J1752-223		6	25,29	12
BD150	Day, F. Pihlstrom, Y.	UNM UNM	Determining positions of BP150 VLBA calibrators		20	28	3
BF100	Forbrich, J. Berger, E. McLean, M.	CfA CfA CfA	Confirmation and astrometric monitoring of the first VLBI-detected brown dwarf		4,13	5,26	14
BG187	Gugliucci, N. Braatz, J.	UVA NRAO	NGC 23 and UGC 3193: Two New and Unusual Water Megamasers		1	4	8
BH163	Hada, K. Doi, A. Inoue, M. Nagai, H.	NAO JAXA NAO NAO	Precise astrometry of the core of the low-luminosity AGN NGC 4579		0.7,1,2,4,6,13	8,17	24
BK166	Koerding, E. Cheung, C. Corbel, S. Fuhmann, L. Giroletti, M. Max-Moerbeck, W. Richards, J. Schinzel, F. Sokovsky, K.	CEA NRL CEA MPIfR Bologna Caltech Caltech MPIfR MPIfR	Monitoring the likely GeV emitting NOVA V407 Cyg		4,6,20	2,6,10,15,21,29	24
BL169	Loinard, L. Deller, A. Dzib, S. Gomez, Y. Mioduszewski, A. Rodriguez, L. Torres, R.	UNAM NRAO-Socorro UNAM UNAM NRAO-Socorro UNAM UNAM	The distance to Monoceros: one of the nearest high-mass star-forming regions		4	3,11	10
BM272	Menten, K. Brunthaler, A. Moscadelli, L. Reid, M. Xheng, X. Xu, Y.	MPIfR MPIfR Arecetri Obs. CfA Nanjing MPIfR	Parallaxes to Outer Galaxy H2O Masers: The Rotation Curve of the Milky Way		1	21, 22	18

VLBA Utilization Report April 2010

Progrm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BM308	Miller-Jones, J. Fender, R. Koending, E. Markoff, S. Migliari, S. Remillard, R. Rupen, M. Russell, D. Sarazin, C. Sivakoff, G.	NRAO Southampton CEA UVA UCSD MIT NRAO-Socorro UVA UVA Ohio State	Probing jet acceleration and collimation in stellar-mass compact objects		4	22,23,25,30	29.5
BM327	McLean, M. Berger, E. Forbrich, J.	Cfa Cfa Cfa	VLBA Observations of the M Dwarf 2M131420+132001: Resolving a Binary		4	2	8
BR145	Reid, M. Bartkiewicz, A. Brunthaler, A. Choi, Y.K. Dame, T. Hachisuka, K. Menten, K. Moellenbrock, G. Moscadelli, L. Sanna, A. Sato, M. Xu, Y. Zhang, Bo. Zheng, X.	Cfa Nicolaus Copemicus MPIfR MPIfR Cfa Shanghai MPIfR NRAO-Socorro Inst.de Astrofisica Inst.de Astrofisica Univ. of Tokyo Chinese Academy Nanjing Nanjing	Mapping the Milky Way		4,2,1	3,9,13,15, 16,17,23, 24,27,30	62
BV069	Vlemmings, W. Humphreys, L. Maercker, M. Ramstedt, S. van Langevelde, H.	Bonn ESO Bonn Bonn JIVE	The SiO masers of the recent nova symbiotic star V407 Cyg		0.7	2,6	8
BW093	Walker, C. Beilicke, M. Chenung, C. Hardee, P. Harris, D. Junor, B. Krawczynski, H. Ly, C. Mazin, D. McConville, W. Raue, M. Wagner, R.	NRAO-Socorro Washington Univ. NASA Univ. of Alabama Cfa UC-LANL Washington Univ. Calif., Los Angeles IFAE Univ. of Maryland MPIfR MPIfR	Confirming the Association of Flaring TeV Emission with the Core of M87, II		1,0.7	4,19,30	22
S2053	Jorstad, S. Marscher, A.	Boston Univ. Boston Univ.	Correlation between Gamma-Ray Variations and Disturbances in the Jets of Blazars		0.7	7,10,15	

Based on Actual Hours Observed

The average downtime was 21.3875 hours 5.90%

Actual observing time wa 341.1125 hours

The VLBA was scheduled 100.0% of the time 744 hours of a possible 744 hours

Astronomical Observations = 50.35% (362.50 hours)
 Tests and Calibrations = 8.44% (60.75 hours)
 Maintenance = 14.78% (106.41 hours)
 Number of unscheduled hours = 26.44% (190.34 hours)
 Number of Shutdown hours = 0.00% (0.00 hours)

 Based on Scaled (128Mbps) Observing Hours

Number of scaled hours of astronomical observations = 1095.012 hrs

Downtime = 5.90% (64.605708 hours)

Actual observing = 1030.406292 hours

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VLBA Utilization Report March 2010

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	2,15,19,27 , 28	40
BD146	Deneva, J. Chatterjee, S. Cordes, J. Deller, A. Lazio, J.	Cornell Sydney Cornell NRAO-Socorro NRL	Astrometry of a New Galactic Center Pulsar		4,6	1	2.5
BD147	Dallacasa, D. Orienti, M.	Bologna INAF	Faint high frequency peakers		2,4	1,4	11.5
BD148	Deller, A. Brisken, W. Chatterjee, S. Cordes, J. Goss, M. Lazio, J.	NRAO-Socorro NRAO-Socorro Cornell Cornell NRAO-Socorro NRL	A pulsar astrometry pilot project to identify in-beam calibrators with the VLBA		20	28	4
BF100	Forbrich, J. Berger, E. McLean, Margaret	CfA CfA CfA	Confirmation and Astrometric monitoring of the first VLBI-detected brown dwarf		4,13	18,26	12
BG196	Gabuzda, D. Kudryavtseva, N. Mahmud, M.	Cork Cork Cork	18-22cm VLBA Polarization Observations of the 135 MOJAVE-I Sources		20	7	24
BK159	Kanekar, N. Momjian, E.	NRAO-Socorro NRAO-Socorro	The Compact Structure of QSO's behind Damped Lyman-alpha Systems at $z \sim 1.3$		90	29	4.75
BK166	Koerding, E. Cheung, C. Fuhrmann, L. Giroletti, M. Max-Moerbeck, W. Richards, J. Schinzel, F. Sokovsky, K.	CEA NRL MPIfR Bologna Caltech Caltech MPIfR MPIfR	Monitoring the likely GeV emitting Nova V407 Cyg		6,4,20	28	3
BL149	Lister, M. Cooper, N. Fromm, C. Kuchibhotla, H.	Purdue Purdue MPIfR Purdue	The VLBA 2cm Mojave/GLAST Program		2	10	24
BL160	Loinard, L. Mioduszewski, A. Rodriguez, L. Torres, R.	UNAM NRAO-Socorro UNAM UNAM	Measuring the distance to the Serpens core with 1% precision		4	12	5
BL169	Loinard, L. Deller, A. Dzib, S. Gomez, Y. Mioduszewski, A. Rodriguez, L. Torres, R.	UNAM NRAO-Socorro UNAM UNAM NRAO-Socorro UNAM UNAM	The distance to Monoceros: one of the nearest high-mass star-forming regions		4	28	5
BL170	Liu, X. Lazio, J. Shen, Y. Strauss, M.	Princeton NRL Harvard Princeton	Unveiling Binary Supermassive Black Holes in Double-Peaked Narrow-Line AGNs		4	30	6
BM303	Marscher, A. Agudo, I. Gomez, J. Hagen-Thorn, V. Jorstad, S. Larionov, V.	Boston IAA IAA St. Petersburg Boston St. Petersburg	Comprehensive Multiwaveband Monitoring of Gamma-ray Bright Blazars		0.7	6	24
BM319	Massi, M. Bernado, M. Boboltz, D. Kerp, J. Menten, K. Neidhoefer, J. Ros, E. Torricelli, G.	MPIfR MPIfR USN Bonn MPIfR MPIfR MPIfR Inst. de Astrofisica	Interacting Conrornae of two T Tauri stars. Part II		4	1,2,3	34
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	12	10

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BM326	Miller-Jones, J. Jonker, P. Maccarone, T. Nelemans, G.	NRAO CfA Southampton Nijmegen	Resolving the jets in the X-ray binary SWIFT J1753.5-0127		4	30	8
BN041	Nakai, N. Diamond, P. Ishihara, Y. Yamauchi, A.	Tsukuba Univ. Manchester Hokkaido Univ. NAO	Determination of the distance to an AGN IC2560 by observing a water maser disk		1	27	7
BR145	Reid, M. Bartkiewicz, A. Brunthaler, A. Choi, Y.K. Dame, T. Hachisuka, K. Menten, K. Moellenbrock, G. Moscadelli, L. Sanna, A. Sato, M. Xu, Y. Zhang, Bo. Zheng, X.	CfA Nicolasus Copernicus MPIfR MPIfR CfA Shanghai MPIfR NRAO-Socorro Inst.de Astrofisica Inst.de Astrofisica Univ. of Tokyo Chinese Academy Nanjing Nanjing	Mapping the Milky Way		1,2,4	3,8,13,20, 29	27
BR146	Sogorb-Roca, M. Agudo, I. Gomez, J.	Inst. de Astrofisica Inst. de Astrofisica Inst. de Astrofisica	Multifrequency study of 3C120:the inner jet and beyond		2,4,6	14	12
BV069	Vlemmings, W. Humphreys, L. Maercker, M. Ramstedt, S. van Langevelde, H.	Bonn ESO Bonn Bonn JIVE	The SiO masers of the recent nova symbiotic star V407 Cyg		.7	29,20	8
BW091	Wrobel, J. Greene, J. Ho, L.	NRAO-Socorro Princeton Carnegie	Local Analogs of the First Active Galactic Nuclei: GH 10		20	31	8
GA025	An, T. Hardcastle, M. Hong, X. Worral, D.	Shanghai Hertfordshire Shanghai Bristol	Polarization observations of 3C48 using the global VLBI array at 18 and 6 cm		6,20	9,21	16
GB070	Bartel, N. Beasley, A. Bietenholz, M.F. Cannon, W. Conway, J. Graham, D. Rupen, M. Umana, G. Venturi, T.	York Caltech York York OSO MPIfR NRAO-Socorro IRA Bologna	SN1993J: Late-time evolution at 18 cm		20	5	24
GB071	Brunthaler, A. Beswick, R. Bower, G. Falcke, H. Fenech, D. Henkel, C. Menten, K. Muxlow, T. Reid, M.	MPIfR Jodrell Bank Calif., Berkeley Nijmegen London MPIfR MPIfR Jodrell Bank CFA	An intriguing new radio sources in M82: The first extragalactic micro-quasar?		6	23	10
GC034	Charlot, P. Bourda, G. Collioud, A. Garrington, S. Porcas, R.	Bordeaux Bordeaux Bordeaux Jodrell Bank MPIfR	Searching for candidate radio sources for the Gaia astrometric ink. III		4,13	23	48
GH009	Hallinan, G. Antonova, I. Bourke, S. Briskin, W. Butler, R. Doyle, G. Golden, A. Harding, L.	Univ., Ireland Univ., Sofia JIVE NRAO-Socorro Univ., Ireland Armagh Observatory Univ., Ireland Univ., Ireland	Establishing the Radio Active Component of Two Tight Binary Ultracool Dwarfs		4,6	21,22	10
S2087	Kovalev, Y. Gehrels, N. Kadler, M. Savolainen, T. Sokolovsky, K. Wilms, J.	MPIfR NASA Univ. Nurnberg MPIfR MPIfR Univ. Nurnberg	Follow-Up Study of the Brightest Gamma-Ray Flares in Fermi Blazars		0.7,1,2,4, 6	18	8

Based on Actual Hours Observed

The average downtime was 14.247 hours 3.60%

Actual observing time was 381.503 hours

The VLBA was scheduled 100.0% of the time 744 hours of a possible 744 hours

Astronomical Observations	=	53.19%	(395.75 hours)
Tests and Calibrations	=	9.41%	(70.00 hours)
Maintenance	=	10.28%	(76.50 hours)
Number of unscheduled hours	=	27.12%	(201.75 hours)
Number of Shutdown hours	=	0.00%	(0.00 hours)

Based on Scaled (128Mbps) Observing Hours

Number of scaled hours of astronomical observations = 1251.752 hrs

Downtime = 3.60% (45.063072 hours)

Actual observing = 1206.688928 hours

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VLBA Utilization Report February 2010

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, 10, 14	24.00
BB274	Beasley, A. Goss, M.	NEON NRAO	Imaging the Magnetic Propeller in AE Aqr		1	4	8.0
BB277	Brunthaler, A. Bower, G. Falcke, H. Henkel, C. Menten, K. Reid, M.	MPIfR Calif., Berkeley Nijmegen MPIfR MPIfR CfA	The evolution of SN 2008biz in M82		13, 20, 4, 6	6	12.0
BB280	Bruni, G. Benn, C. Carballo, R. Dallacasa, D. Gonzalez-Serrano, J. Heinz-Mack, K. Holt, J. Jimenez-Lujan, F. Montenegro-Montes, S. Salemo, E.	Bologna IAC IFCA Bologna IFCA Bologna Leiden University IFCA ESO Bologna	Morphology and orientation of Radio Loud Broad Absorption Line Quasars		4, 6	19, 22, 26, 28	24.00
BB290	Brocksopp, C. Corbel, S. Fender, R. Paragi, Z. Tzioumis, A. Yang, J.	UCL CEA Southampton JIVE Australia Nat'l U. JIVE	A Major Jet Ejection Event from the X-ray Transient XTE J1752-223?		6	18, 23, 26	15.0
BD142	Desmurs, F. Alcolea, J. Bujarrabal, V. Colomer, F. Lindqvist, M. Soria-Ruiz, R.	IGN IGN IGN IGN OSO IGN	Sio v=3 J=1-0 maser emission from AGB stars		.7	1	6.5
BD146	Deneva, J. Chatterjee, S. Cordes, J. Deller, A. Lazio, J.	Cornell Sydney Cornell NRAO NRL	Astrometry of a New Galactic Center Pulsar		4, 6	27, 28	5.0
BD147	Dallascas, D. Orienti, M.	Bologna INAF	Faint high frequency peakers		2, 4	15, 20	12.5
BD148	Deller, A. Briskin, W. Chatterjee, S. Cordes, J. Goss, M. Lazio, J.	NRAO NRAO Cornell Cornell NRAO NRL	A pulsar astrometry pilot project to identify in-beam calibrators with the VLBA		20	18	4.0
BE055	Edwards, P. Piner, G.	CSIRO Whittier	Seven new TeV gamma-ray emitting High-Peaked BL Lacs		4, 2	15	12.0
BE056	Edge, A. Crawford, C. Croston, J. Fabian, A. Hamer, S. Jonstone, R. Russel, H. Taylor, G.	Durham Cambridge Hertfordshire Cambridge Durham Cambridge Cambridge UNM	A VLBA survey of cool core radio sources-the heart of the best		6	5	14.0
BG196	Gabuzda, D. Kudryavtseva, N. Lisakov, M. Lister, M. Mahmud, M. McCann, M. Murphy, E. Pushkarev, A. Reichstein, A. Vitrishchak, V.	UCC UCC Sternberg Purdue UCC UCC UCC MPIfR UCC Sternberg	18-22 cm VLBA Polarization Observations of the 135 MOJAVE-1 Sources		20	3	24.0
BG197	Giroletti, M. Giovannini, G. Kadler, M. Liuzzo, E. Massaro, E. Taylor, G. Tosti, G.	Bologna Bologna Erlangen INAF Univ. Roma UNM Univ. Perugia	The jets of BL Lacs and their connection to the gamma-ray emission		2, 4	25	12.0

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BG199	Gupta, N. Noterdaeme, P. Petitjean, P. Srianand, R.	Australia IUCAA IAP IUCAA	VLBA radio structure and detectability of 21cm absorption at $0.5 < z < 3.5$		20	21	11.0
BL149	Lister, M. Cooper, N. Fromm, C. Kuchibhotla, H.	Purdue Purdue MPIFR Purdue	The VLBA 2cm MOJAVE/GLAST Program		2	11	24.0
BM303	Marscher, A. Agudo, I. Gomez, J. Hagen-Thorn, V. Jorstad, S. Larionov, V.	Boston IAA IAA St. Petersburg Boston St. Petersburg	Comprehensive Multiwaveband Monitoring of Gamma-ray Bright Blazars		.7	10	24.0
BM317	Miller-Jones, J. Jonker, P. Maccarone, T. Nelemans, G.	NRAO Harvard Southampton Nijmegen	Exploratory HSA observations of the X-ray binary SWIFT J1753.5-0127		4	6	2.0
BM319	Massi, M. Boboltz, D. Kaufman, M. Kerp, J. Menten, K. Neidohoefer, J. Ros, E. Torricelli, G.	MPIFR USN MPIFR Univ. Bonn MPIFR MPIFR MPIFR INA	Interacting Coronae of two T Tauri stars. Part II		4	25, 26, 27, 28	36.0
BM323	Marecki, A. Konar, C.	Univ. Torun Bangalore	Cores of giant radio galaxies		2, 6	23	12.0
BR145	Reid, M. Bartkiewicz, A. Brunthaler, A. Choi, Y.K. Dame, T. Hachisuka, K. Menten, K. Mollenbrock, G. Moscadelli, L. Sanna, A. Sato, M. Xu, Ye. Zhang, Bo. Zheng, X.	Harvard UNC MPIFR MPIFR Harvard Shanghai MPIFR NRAO INA INA Tokyo Chinese Academy Nanjing Nanjing	Mapping the Milky Way		4, 2, 1	9, 10, 13, 18, 19, 20, 24	34.75
BS194	Schinzal, F. Lobanov, A. Taylor, G. Zensus, A.	MPIFR MPIFR UNM MPIFR	Follow-up monitoring of a flaring event in 3C 345		.7, 1, 2	15	10.0
S2087	Kovalev, Y. Gehrels, N. Kadler, M. Savolainen, T. Sokolovsky, K. Wilms, J.	MPIFR NASA Erlangen MPIFR MPIFR Erlangen	Follow-UP Study of the Brightest Gamma-Ray Flares In Fermi Blazars		4, 6, .7, 1, 2	7, 21	16.0

Based on Actual Hours Observed

The average downtime was 27.421 hours 6.80%

Actual observing time was 375.829 hours

The VLBA was scheduled 100.0% of the time 744 hours of a possible 744 hours

Astronomical Observations	=	60.01%	(403.25 hours)
Tests and Calibrations	=	11.09%	(74.50 hours)
Maintenance	=	13.84%	(93.00 hours)
Number of unscheduled hours	=	15.07%	(101.25 hours)
Number of Shutdown hours	=	0.00%	(0.00 hours)

Based on Scaled (128Mbps) Observing Hours

Number of scaled hours of astronomical observations = 1026.146 hrs

Downtime = 6.80% (69.777928 hours)

Actual observing = 956.368072 hours

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VLBA Utilization Report February 2010

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, 10, 14	24.00
BB274	Beasley, A. Goss, M.	NEON NRAO	Imaging the Magnetic Propeller in AE Aqr		1	4	8.0
BB277	Brunthaler, A. Bower, G. Falcke, H. Henkel, C. Menten, K. Reid, M.	MPIfR Calif., Berkeley Nijmegen MPIfR MPIfR CfA	The evolution of SN 200Biz in M82		13, 20, 4, 6	6	12.0
BB280	Bruni, G. Benn, C. Carballo, R. Dallacasa, D. Gonzalez-Serrano, J. Heinz-Mack, K. Holt, J. Jimenez-Lujan, F. Montenegro-Montes, Salerno, E.	Bologna IAC IFCA Bologna IFCA Bologna Leiden University IFCA ESO Bologna	Morphology and orientation of Radio Loud Broad Absorption Line Quasars		4, 6	19, 22, 26, 28	24.00
BB290	Brocksopp, C. Corbel, S. Fender, R. Paragi, Z. Tzioumis, A. Yang, J.	UCL CEA Southampton JIVE Australia Nat'l U. JIVE	A Major Jet Ejection Event from the X-ray Transient XTE J1752-223?		6	18, 23, 26	15.0
BD142	Desmurs, F. Alcolea, J. Bujarrabal, V. Colomer, F. Lindqvist, M. Soria-Ruiz, R.	IGN IGN IGN IGN OSO IGN	Sio v=3 J=1-0 maser emission from AGB stars		.7	1	6.5
BD146	Deneva, J. Chatterjee, S. Cordes, J. Deller, A. Lazio, J.	Cornell Sydney Cornell NRAO NRL	Astrometry of a New Galactic Center Pulsar		4, 6	27, 28	5.0
BD147	Dallascas, D. Orienti, M.	Bologna INAF	Faint high frequency peakers		2, 4	15, 20	12.5
BD148	Deller, A. Brisken, W. Chatterjee, S. Cordes, J. Goss, M. Lazio, J.	NRAO NRAO Cornell Cornell NRAO NRL	A pulsar astrometry pilot project to identify in-beam calibrators with the VLBA		20	18	4.0
BE055	Edwards, P. Piner, G.	CSIRO Whittier	Seven new TeV gamma-ray emitting High-Peaked BL Lacs		4, 2	15	12.0
BE056	Edge, A. Crawford, C. Croston, J. Fabian, A. Hamer, S. Jonstone, R. Russel, H. Taylor, G.	Durham Cambridge Hertfordshire Cambridge Durham Cambridge Cambridge UNM	A VLBA survey of cool core radio sources-the heart of the best		6	5	14.0
BG196	Gabuzda, D. Kudryavtseva, N. Lisakov, M. Lister, M. Mahmud, M. McCann, M. Murphy, E. Pushkarev, A. Reichstein, A. Vitrichchak, V.	UCC UCC Sternberg Purdue UCC UCC UCC MPIfR UCC Sternberg	18-22 cm VLBA Polarization Observations of the 135 MOJAVE-I Sources		20	3	24.0
BG197	Giroletti, M. Giovannini, G. Kadler, M. Liuzzo, E. Massaro, E. Taylor, G. Tosti, G.	Bologna Bologna Erlangen INAF Univ. Roma UNM Univ. Perugia	The jets of BL Lacs and their connection to the gamma-ray emission		2, 4	25	12.0

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BG199	Gupta, N. Noterdaeme, P. Petitjean, P. Srianand, R.	Australia IUCAA IAP IUCAA	VLBA radio structure and detectability of 21cm absorption at $0.5 < z < 3.5$		20	21	11.0
BL149	Lister, M. Cooper, N. Fromm, C. Kuchibhotla, H.	Purdue Purdue MPIFR Purdue	The VLBA 2cm MOJAVE/GLAST Program		2	11	24.0
BM303	Marscher, A. Agudo, I. Gomez, J. Hagen-Thorn, V. Jorstad, S. Larionov, V.	Boston IAA IAA St. Petersburg Boston St. Petersburg	Comprehensive Multiwaveband Monitoring of Gamma-ray Bright Blazars		.7	10	24.0
BM317	Miller-Jones, J. Jonker, P. Maccarone, T. Nelemans, G.	NRAO Harvard Southampton Nijmegen	Exploratory HSA observations of the X-ray binary SWIFT J1753.5-0127		4	6	2.0
BM319	Massi, M. Boboltz, D. Kaufman, M. Kerp, J. Menten, K. Neidohoefer, J. Ros, E. Torricelli, G.	MPIFR USN MPIFR Univ. Bonn MPIFR MPIFR MPIFR INA	Interacting Coronae of two T Tauri stars. Part II		4	25, 26, 27, 28	36.0
BM323	Marecki, A. Konar, C.	Univ. Torun Bangalore	Cores of giant radio galaxies		2, 6	23	12.0
BR145	Reid, M. Bartkiewicz, A. Brunthaler, A. Choi, Y.K. Dame, T. Hachisuka, K. Menten, K. Mollenbrock, G. Moscadelli, L. Sanna, A. Sato, M. Xu, Ye. Zhang, Bo. Zheng, X.	Harvard UNC MPIFR MPIFR Harvard Shanghai MPIFR NRAO INA INA Tokyo Chinese Academy Nanjing Nanjing	Mapping the Milky Way		4, 2, 1	9, 10, 13, 18, 19, 20, 24	34.75
BS194	Schinzel, F. Lobanov, A. Taylor, G. Zensus, A.	MPIFR MPIFR UNM MPIFR	Follow-up monitoring of a flaring event in 3C 345		.7, 1, 2	15	10.0
S2087	Kovalev, Y. Gehrels, N. Kadler, M. Savolainen, T. Sokolovsky, K. Wilms, J.	MPIFR NASA Erlangen MPIFR MPIFR Erlangen	Follow-UP Study of the Brightest Gamma-Ray Flares In Fermi Blazars		4, 6, .7, 1, 2	7, 21	16.0

Based on Actual Hours Observed

The average downtime was 24.429 hours 6.80%

Actual observing time was 334.821 hours

The VLBA was scheduled 100.0% of the time 744 hours of a possible 744 hours

Astronomical Observations	=	53.46%	(359.25 hours)
Tests and Calibrations	=	11.09%	(74.50 hours)
Maintenance	=	13.84%	(93.00 hours)
Number of unscheduled hours	=	21.61%	(145.25 hours)
Number of Shutdown hours	=	0.00%	(0.00 hours)

Based on Scaled (128Mbps) Observing Hours

Number of scaled hours of astronomical observations = 880.598 hrs

Downtime = 6.80% (59.880664 hours)

Actual observing = 820.717336 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		4.0	9, 16, 29	24.00
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 UNY	The Megamaser Cosmology Project: Year 2		1	14, 15, 27	36.0
BB269	Briskin, W. Coles, B. Deller, A. Jian Gao, J. Pierre-Macquart, J. Rickett, B. Tingay, S.	NRAO Calif., San Diego NRAO Calif., San Diego Caltech Calif., San Diego Curtin Univ	A distance to the extreme scintillating pulsar B0834+06		4, 13, 20	29	4.0
BD142	Desmurs, F. Alcolea, J. Bujarrabal, V. Colomer, F. Lindqvist, M. Soria-Ruiz, R.	IGN IGN IGN IGN IGN IGN	SiO v=3 J=1-0 maser emission from AGB stars		.7	31	1.75
BD149	Day, F. Claussen, M. Pihlstrom, Y. Sahai, R.	UNM NRAO UNM JPL	Identifying Suitable Calibrators for VLBA Astrometry Measurements of PPNs		20	26	2.0
BE055	Edwards, P. Piner, G.	CSIRO Whittier	Seven new TeV gamma-ray emitting High-Peaked BL Lacs		4	1	12.0
BH159	Hachisuka, K. Brunthaler, A. Menten, K. Mochizuki, N. Reid, M.	SHAO MPIfR MPIfR JAXA Harvard	Distance of water maser source at the Outer arm II		1	24	6.0
BJ071	Johnston, K. Boboltz, D. Fey, A. Fomalont, E. Ojha, R.	USN USN USN NRAO USN	AGN Core Wander and the Stability of the ICRF		4	31	1.0
BK159	Kanekar, N. Momjian, E.	NRAO NRAO	The Compact Structure of QSOs behind Damped Lyman-alpha Systems at z~1.3.		90	4	2.25
BL149	Lister, M. Cooper, N. Fromm, C. Kuchibhotla, H.	Purdue Purdue MPIfR Purdue	The VLBA 2cm Mojave/GLAST Program		2	16	24.0
BL168	Loar, A. Wrobel, J.	NRAO NRAO	Size Constraints on the Binary Black Hole Candidate SDSS J1536+0441		4	9	5.0
BM303	Marscher, A. Agudo, I. Gomez, J. Hagen-Thorn, V. Jorstad, S. Larionov, V.	BU IAA IAA St. Petersburg BU St. Petersburg	Comprehensive Multiwaveband Monitoring of Gamma-ray Bright Blazars		.7	10	24.0
BM308	Miller-Jones, J. Fender, R. Koerding, E. Markoff, S. Migliari, S. Remillard, R. Rupen, M. Russell, D. Sarazin, C. Sivakoff, G.	NRAO Southampton Koerding UWM UCSD MIT NRAO UVA Virginia Ohio State	Probing jet acceleration and collimation in stellar-mass compact objects		4	2, 13, 14, 16, 21	30.0
BM310	Momjian, E. Carilli, C. Wang, Wei-Hao	NRAO NRAO NRAO	Resolving the Radio Emission of the Luminous SMG GOODS 850-36		20	7, 8	16.0
BO035	Orienti, M. Dallacasa, D.	INAF Bologna	Physical conditions in young radio sources		4, 6, 13, 20, 2	3, 6	16.0

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BR141	Reid, M. Gou, L. McColintock, J. Narayan, R. Remillard, R.	CfA CfA CfA. CfA U Mass.	The Spin of the Black Hole in Cygnus X-1		13, 4	25	10.0
BR145	Reid, M. Bartkiewicz, A. Brunthaler, A. Choi, Y.K. Dame, T. Hachisuke, K. Menten, K. Mollenbrock, G. Moscadelli, L. Sanna, A. Sato, M. Xu, Ye. Zhang, Bo. Zheng, X.	CfA UNC MPIFR MPIFR CfA Shanghai MPIFR NRAO INdA INdA Tokyo Chinese Nanjing Nanjing	Mapping the Milky Way		2, 1, 4	7, 13, 15, 19, 22, 24, 26, 30, 31	38.75
BS194	Schinzel, F. Lobanov, A. Taylor, G. Zensus, A.	MPIFR MPIFR UNM MPIFR	Follow-up monitoring of a flaring event in 2c 345		1, 2, .7	31	10.0
BS196	Stoche, J. Darling, J. Yan, T.	Boulder Boulder Boulder	Mapping Compact Radio Sources in Non-Elliptical Host Galaxies		20	3, 11	20.0
BW093	Walker, C. Beilicke, M. Chenung, C. Hardee, P. Harris, D. Junor, B. Krawczynski, H. Ly, C. Mazin, D. McConville, W. Raue, M. Wagner, R.	NRAO WUSTL NASA UA CfA UC WUSTL UCLA IFAE UMD MPIFR MPIF	Confirming the Association of Flaring TeV Emission with the Core of M87, II		.7, 1	18	10.75
S2078	Taylor, G. Readhead, A.	UNM Caltech	The Parsec-Scale Characteristics of Fermi AGN		6	4	11.0
S2087	Kovalev, Y. Gehrels, N. Kakler, M. Savolainen, T. Sokolovsky, K. Wilms, J.	MPIFR NASA Erlangen MPIFR MPIFR Erlangen	Follow-Up Study of the Brightest Gamma-Ray Flares in Fermi Blazars		4, 6, .7, 1, 2	18, 24, 26	24.0

Based on Actual Hours Observed

The average downtime was 41.7195 hours 12.70%

Actual observing time was 286.7805 hours

The VLBA was scheduled 100.0% of the time 744 hours of a possible 744 hours

Astronomical Observations = 44.15% (328.50 hours)
 Tests and Calibrations = 12.19% (90.71 hours)
 Maintenance = 9.14% (68.00 hours)
 Number of unscheduled hours = 31.96% (237.79 hours)
 Number of Shutdown hours = 2.55% (19.00 hours)

 Based on Scaled (128Mbps) Observing Hours

Number of scaled hours of astronomical observations = 966.476 hrs

Downtime = 12.70% (122.742452 hours)

Actual observing = 843.733548 hours