

VLBA Utilization Report December 2013

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Progm	Observer	Affiliation	Program Title	Bands	Obs Date	Scheduled Hours
BB303	Brunthaler, A. Reid, M. Menten, K. Bower, G. Darling, J. Falcke, H. Garrett, M. Henkel, C. Loeb, A. Lionard, L. Oosterloo, T. Roediger, E. Sjouwerman, L. Tarchi, A. van Gorkom, J.	MPIfR CfA MPIfR Calif., Berkeley Colo., Boulder Nijmegen ASTRON MPIfR CfA UNAM ASTRON Jacobs Univ. NRAO-Socorro INAF Columbia	Proper motion of Galaxies in and beyond the Local Group	1	28	16
BB321	Braatz, J. Condon, J. Constantin, A. Gao, F. Greene, J. Henkel, C. Impellizzeri, V. Kuo, C. Litzinger, E. Lo, K.Y. Reid, M. Wagner, J. Zhao, W.	NRAO-CV NRAO-CV James Madison NRAO-CV Princeton MPIfR NRAO-CV Uva Wurzburg NRAO-CV CfA MPIfR Shanghai	The Megamaser Cosmology Project. VI	1	2,3,13,20,22,24	18
BB334	Boboltz, D. Ohnaka, K. Wittkowski, M.	USNO MPIfR ESO	Imaging the Water Masers Associated with Five Silicate Carbon Stars	1	17	5
BC204	Condon, J. Darling, J. Kovalev, Y. Petrov, L.	NRAO-CV Colo., Boulder Lebedev Inst. NASA	Offset and Binary Black Holes in Nearby Galaxies: Dual-Band Imaging	6	6	24
BD152	Deller, A. Chatterjee, S. Briskin, W. Cordes, J. Lazio, J. Goss, M. Kovalev, Y. Petrov, L.	NRAO-Socorro Cornell NRAO-Socorro Cornell NRAO-Socorro Lebedev Inst. NASA	PSRPI: Mapping the Galactic distribution of pulsars with the VLBA	20	1	2.5
BD170	Deller, A. Middelberg, E.	ASTRON Bochum	Characterizing the mJy compact radio source population with mJIVE-20	20	4,13,17,21	13

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BD174	Deller, A. Briskin, W. Chatterjee, S. Cordes, J. Goss, M. Janssen, G. Lazio, J. Moldon, J. Petrov, L. Stappers, B.	ASTRON NRAO-Socorro Cornell Cornell NRAO-Socorro Jodrell Bank JPL ASTRON Astrogeo Center Manchester	Evaluating error sources in relative astrometry with in-beam calibrators	20,13	5,7,13,14,19,20	7
BF108	Forbrich, J. Berger, E.	Univ. Wien CfA	VLBA Search for Sub-Stellar Companion to the Unusual Ultracool Dwarf 2M1314+1320	6	30,31	12
BH201	Horesh, A. Hallinan, G. Perley, D. Cenko, B. Bellm, E.	Caltech Caltech Caltech NASA Caltech	A VLBA observation of GRB130925A	6	20,22	8
BI038	Immer, K. Reid, M. Menten, K. Sanna, A.	MPIfR CfA MPIfR MPIfR	3D Streaming Motions in the Nuclear Disk of the Milky Way	6	14	7
BK177	Kunert-B, M. Cegłowski, M. Gawronski, M.	Nicolaus Copernicus Nicolaus Copernicus Nicolaus Copernicus	High resolution imaging of radio-loud compact BAL quasars-part II	6	19	13
BL175	Loinard, L. Hartmann, L. Evans, N. Mioduszewski, A. Rodriguez, L. Briceno, C. Torres, R. Dzib, S. Pech, G.	UNAM Mich., Ann Arbor Texas., Austin NRAO-Socorro UNAM CIDA Bonn UNAM UNAM	The Gould's Belt Distances VLBA Survey	4	1,4,7,8,10,13	18
BL188	Lonsdale, C. Lonsdale, C. Kimball, A. Lacy, M. Condon, J. Smith, R.	NRAO-CV MIT NRAO-CV NRAO-CV NRAO-CV Drexel Univ.	VLBA imaging of red mid-IR luminous radio-loud QSOs	6	8,12	16
BL189	Linford, J. Taylor, G. Schinzel, F.	UNM UNM UNM	A VLBA Study of LAT Non-Blazar AGN	6	23	5.5

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Progm	Observer	Affiliation	Program Title	Bands	Obs Date	Scheduled Hours
BL193	Lister, M. Aller, H. Aller, M Arshakian, T. Cohen, M. Gehrels, N. Homan, D. Hong, X. Hovatta, T. Kadler, M. Kellermann, K. Kovalev, Y. Pushkarev, A. Richards, J. Ros, E. Savolainen, T. Tosti, G. Zensus, A.	Purdue Mich., Ann Arbor Mich., Ann Arbor MPIfR Caltech NASA Denison Shanghai Caltech Univ. Wuerzburg NRAO-CV Lebedev Inst. Pulkovo Obs. Purdue Univ of Valencia MPIfR Univ. of Perugia MPIfR	MOJAVE: Jet Kinematics of Accelerating and High-Synchrotron-Peaked Blazars	2	15	24
BM352	Melis, C. Reid, M. Stauffer, J. Mioduszewski, A. Bower, G.	Calif., San Diego CfA Caltech NRAO-Socorro Calif., Berkeley	A VLBA Resolution of the Pleiades Distance Controversy	4	13,20,27	30
BM353	Marscher, A. Jorstad, S. MacDonald, N. Agudo, I. Gomez, J. Larionov, V. Hagen-Thorn, V. Romney, J.	Boston Boston Boston CSIC CSIC St. Petersburg St. Petersburg NRAO-Socorro	Sub-parsec Imaging of the Gamma-ray Emission Regions of Blazars	0.7	16	24
BM379	Gordon, D. Boboltz, D. Fey, A. Fomalont, E.	NASA USNO USNO NRAO-CV	VLBA Geodesy/Astrometry Observations for 2013	13,4	11	24
BM392	Mutel, R. Abuhl, E. Lynch, C. Peterson, W. Guedel, M.	Iowa Iowa Iowa Iowa Vienna	An astrometric study of HR1099: Test of binary interaction model	1	31	0.5
BM397	McKean, J. Deller, A. Lee, M. Moldon, J.	ASTRON ASTRON Tokyo ASTRON	Exploratory follow-up of gravitational lens candidates from the mJIVE-20 survey	6	7,22	3
BP175	Petrov, L. Deller, A. Brisken, W. Moldon, J. Chatterjee, S.	Astrogeo Center ASTRON NRAO-Socorro ASTRON Cornell	Investigation of residual systematic errors in dual-band observables	4,6,13	1,10,26	21.5

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Progm	Observer	Affiliation	Program Title	Bands	Obs Date	Scheduled Hours
BR145	Reid, M. Menten, K. Brunthaler, A. Zheng, X. Zhang, B. Xu, Y. Moscadelli, L. Sanna, A. Moellenbrock, G. Dame, T. Hachisuka, K. Bartkiewicz, A. Sato, M. Choi, Y.	CfA MPIfR MPIfR Nanjing Nanjing Chinese Academy INAF INAF NRAO-Socorro CfA Shanghai Obs. Nicolaus Copernicus Tokyo MPIfR	Mapping the Milky Way	1	1,9	8.25
BR149	Reid, M. Bartkiewicz, A. Brunthaler, A. Choi, 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 INAF MPIfR MPIfR Chinese Academy MPIfR Nanjing	Mapping the Milky Way - A Copy of 09C-125 / BR145 for New Project Code	6	31	7
BW103	Wykes, S. Reynolds, C. Hardcastle, M. Bignall, H. Macquart, J.	Nijmegen Curtin Hertfordshire Curtin Curtin	Circular Polarisation in Centaurus A	2,4,1	24	6
BW107	Walker, C. Junor, B. Hardee, P. Beilicke, M. Krawczynski, H. Cheung, C. McConville, W. Harris, D. Wagner, R. Giroletti, M.	NRAO-Socorro LANL Ala., Tuscaloosa Wash., St. Louis Wash., St. Louis NRL Maryland CfA MPIfR MPIfR MPIfR INAF	Pinpointing the Location of TeV Flares in M87 - 2014 season	1,,7	27	11

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Progm	Observer	Affiliation	Program Title	Bands	Obs Date	Scheduled Hours
GR035	Rosenblatt, P. Dehant, V. Rivoldini, A. Marty, J. Tudose, V. Bahamon, T. Cimo, G. Duev, D. Gurvitis, L. Molera, G. Pogrebenko, S. Vermeersen, B Briskin, W. Lainey, V. Thuillot, W. Huang, C.	Royal Obs. Royal Obs. Royal Obs. France STScI JIVE JIVE JIVE JIVE JIVE JIVE JIVE Netherlands NRAO-Socorro Paris Obs. Paris Obs. Shanghai Obs.	Toward Understanding the origin of Phobos	4	29	13.5
S5259	Chatterjee, S. Briskin, W. Camilo, F. Deller, A. Fienga, A. Guillemot, L. Kramer, M. Lazio, J. McLaughlin, M. Ransom, S. Smit, D. Theureau, G. Vlemmings, W.	Cornell NRAO-Socorro Cornell ASTRON Obs. De Besancon MPIfR MPIfR JPL West Virginia NRAO-CV CENGB Obs. de Paris Chalmers Univ.	Precision distances and velocities for fermi-detected radio pulsars	20	13	3
S5272	Taylor, G. Ferrara, E. Kovalev, Y. Linford, J. Petrov, L. Schinzel, F.	UNM GSFC ASC UNM GSFC UNM	Unveiling unassociated fermi-lat sources with a deep evla/vlba survey	6	2,5	24
S6117	Piner, B. Edwards, P.	Whittier CSIRO	The parsec-scale jets of an expanded sample of tev blazars as seen by the upgraded VLBA	4	23,29	17

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Prog	Observer	Affiliation	Program Title	Bands	Obs Date	Scheduled Hours
S6340	Giroletti, M. D'Ammando, F. Giovannini, G. Lico, R. Orienti, M. Tosti, G	Bologna INAF INAF INAF INAF INAF	Resolving extreme accelerators: high angular resolution observations of gamma-ray sources with third spectrum	6	7,9	16

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BA105	Amiri, N. Darling, J.	Colo. Boulder Colo., Boulder	Probing Magnetic Fields in the Accretion Disks of Supermassive Black Holes		1	23,24,25,2 9	12
BB320	Busch, M. Benner, L. Briskin, W. Brozovic, M. Giorgini, J. Margot, J. Nolan, M.	Calif., Los Angeles JPL NRAO-Socorro JPL JPL Calif., Los Angeles NAIC	Radar Speckle Observations of near-earth asteroids during 2013-2015		13	30	1
BB334	Boboltz, D. Ohnaka, K. Wittkowski, M.	USNO MPIfR ESO	Imaging the water masers associated with five sillicate carbon stars		1	29	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 Inst. NRL NASA	PSRPI: Mapping the galactic distribution of pulsars with the VLBA		113,20	15,17,22,2 3,24,27	15
BD170	Deller, A. Middelberg, E.	ASTRON ASTRON	Characterizing the mJy compact radio source population with mJIVE-20		20	1,3,4,15,1 7	10
BD174	Deller, A. Briskin, W. Chatterjee, S. Cordes, J. Goss, M. Janssen, G. Lazio, J. Moldon, J. Petrov, L. Stappers, B.	ASTRON NRAO-Socorro Cornell Cornell NRAO-Socorro Jodrell Bank JPL ASTRON Astrogeo Center Manchester	Evaluating error sources in relative astrometry with in-beam calibrators		13,20	21,22,28	3
BD176	Deane, R. Barthel, P. Bourke, S. Garrett, M. Heywood, I. Jarvis, M. Mauch, T. Paragi, Z.	Cape Town Kapteyn Inst. Caltech ASTRON Oxford Oxford Hertfordshire JIVE	A deep, wide-field survey of black hole accretion in the CANDLES GOODS-N field		20	1,2	4
BF108	Forbrich, J. Berger, E.	CfA CfA	VLBA Search for Sub-Stellar companion to the unusual ultracool dwarf 2M1314-1320		6	16,27	12
BG217	Gu, M. Chen, Y. Komossa, S. Shen, Z. Wajima, K. Yuan, W. Zensus, A. Zhou, H.	Shanghai Obs. Shanghai Obs. MPIfR Shanghai Obs. Shanghai Obs. Chinese Academy MPIfR China	The radio properties of radio-loud narrow line Seyfert 1 galaxies on pc scale		6	14,24	9.5
BL175	Loinard, L. Briceno, C. Dzib, S. Evans, N. Hartmann, L. Mioduszewski, A. Pech, G. Rodriguez, L. Torres, T.	UNAM CIDA UNAM Texas., Austin Mich., Ann Arbor NRAO-Socorro UNAM UNAM Bonn	The Gould's Belt Distances VLBA Survey		4	6,8,10,17, 30	15

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BL193	Lister, M. Aller, H. Aller, M. Arshakian, T. Cohen, M. Gehrels, N. Homan, D. Hong, X. Hovatta, T. Kadler, M. Kellermann, K. Kovalev, Y. Pushkarev, A. Richards, J. Ros, E. Savolaninen, T. Tosti, G. Zensus, A.	Purdue Mich., Ann Arbor Mich., Ann Arbor MPIfR Caltech NASA Denison Univ. Shanghai Obs. Caltech Wuerzburg Inst. NRAO-CV Lebedev Inst. Pulkovo Obs. Purdue Univ. of Valencia MPIfR Univ of Perugia MPIfR	MOJAVE: Jet Kinematics of Accelerating and High-Synchrotron-Peaked Blazars		2	5,22	16
BM353	Marscher, A. Agudo, I. Gomez, J. Hagen-Thorn, V. Jorstad, S. Larionov, V. MacDonald, N. Romney, J.	Boston CSIC CSIC St. Petersburg Univ. Boston St. Petersburg Univ. Boston NRAO-Socorro	Sub-parsec imaging of the gamma-ray emission regions of blazars		0.7	18	24
BM382	Miller-Jones, J. Altamirano, D. Belloni, T. Fender, R. Koerding, E. Krimm, H. Maitra, D. Markoff, S. Migliari, S. Rupen, M. Russell, D. Russell, T. Sarazin, C. Sivakoff, G. Soria, R. Tudose, V.	Curtin Van Amsterdam INAF Southampton Nijmegen NASSA Mich., Ann Arbor Van Amsterdam Barcelona NRAO-Socorro Van Amsterdam Curtin Virginia Univ. of Alberta Curtin ASTRON	Probing jet acceleration and collimation in stellar-mass black holes		4	7,8,9,10,11,12,14,16,21	28
BM392	Mutel, R. Abuhl, E. Guedel, M. Lynch, C. Peterson, W.	Iowa Iowa Univ. of Vienna Iowa Iowa	An astrometric study of HR1099: test of binary interaction model		1	13,19,26	30
BM397	McKean, J. Deller, A. Lee, M. Moldon, J.	ASTRON ASTRON Tokyo ASTRON	Exploratory follow-up of gravitational lens candidates from the mJIVE-20 survey		6	15	1.5
BN046	Nyland, K. Alatalo, K. Wrobel, J. Young, L.	NMT Calif., Berkeley NRAO-Socorro NMT	HSA Observations of the AGN Driving the Massive Molecular Outflow in NGC 1266		20	1	8.25
BP175	Petrov, L. Briskin, W. Chatterjee, S. Deller, A. Moldon, J.	NASA NRAO-Socorro Cornell ASTRON ASTRON	Investigation of residual systematic errors in dual-band observables		4,6,13	2,6,8,17,30	19.75
BR145	Reid, M. Bartkiewicz, A. Brunthaler, A. Choi, Y. Dame, T. Hachisuka, K. Menten, K. Moellenbrock, 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	30	5.75

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BR149	Reid, M. Bartkiewicz, A. Brunthaler, A. Choi, Y. Dame, T. Hachisuka, K. Menten, K. Moellenbrock, 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 MPIfR MPIfR Chinese Academy MPIfR Nanjing	Mapping the milky way-a copy of 09C-125/BR145 for new project code		6	1,2,23,24	24.75
BR198	Reid, M.	CfA	Mapping the Milky Way-copy		1,6	3,4,5,6,7, 9,11	48.75
GA030	Anderson, J. Agudo, I. Alberdi, A. Bach, U. Bell, M. Bernahrt, S. Cassadio, C. Cawthorne, T. Eilek, J. Fromm, C. Gomez, J. Homan, D. Jorstad, S. Keck, M. Kovalev, Y. Krichbaum, T. Lee, S. Lobanov, A. Marscher, A. Marti, J. Molina, S. Nihikawa, K. Perez-Torres, M. Pla, M. Ros, E. Savolainen, T. Taylor, G. Won, B. Zensus, A.	MPIfR CSIC CSIC MPIfR MPA MPIfR CSIC Central Lancashire NMT MPIfR CSIC Denison Univ. Boston Boston Lebedev Inst. MPIfR KASI MPIfR Boston Unvi. of Valencia CSIC Alabama CSIC Univ. of Valencia Univ. of Valencia MPIfR UNM KASI MPIfR	Probing the innermost regions of AGN jets and their magnetic fields		0.7,1,2	10	14.50
S5259	Chatterjee, S. Brisken, W. Camilo, F. Deller, A. Fienga, A. Guillemot, L. Kramer, M. Lazio, J. McLaughlin, m. Ransom, S. Smith, D. Theureau, G. Vlemmings, W.	Cornell NRAO-Socorro Cornell ASTRON Obs. de Besancon MPIfR MPIfR JPL West Virginia NRAO-CV CENGB Obs. de Paris Chalmers Univ.	Precision distances and velocities for fermi-detected radio pulsars		20	1,12,15	15
S6117	Piner, B. Edwards, P.	Whittier CSIRO	The parsec-scale jets of an expanded sample of tev blazars as seen by the upgraded VLBA		0.7,1	4	8
S6340	Giroletti, M. D'Ammando, F. Giovannini, G. Lico, R. Orienti, M. Tosti, G.	Bologna INAF INAF INAF INAF INAF	Resolving extreme accelerators: high angular resolution observations of gamma-ray sources with third spectrum		6	22	8

Based on Actual Hours Observed

The average downtime was 52.32 hours 13.60%

Actual observing time was 332.42 hours

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

Astronomical Observations = 53.44% (384.75 hours)
Tests and Calibrations = 6.15% (44.25 hours)
Maintenance = 9.62% (69.25 hours)
Number of unscheduled hours = 24.47% (197.75 hours)
Number of shutdown hours = 3.33% (24.00 hours)

Based on Scaled (128Mbps) Observing Hours

Number of scaled hours of astronomical observations = 3226.741hrs

Downtime =13.60% (438.836776 hours)

Actual observing =2787.9042 hours

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BB152	Deller, A. Briskin, W. Chatterjee, S. Cordes, J. Goss, M. Kovalev, Y. Lazio, J. Petrov, L.	ASTRON NRAO-Socorro Cornell Cornell NRAO-Socorro Lebedev NRL NASA	PSRPI: Mapping the galactic distribution of pulsars with the VLBA		20	1	2.4
BB326	Barrett, P. Beasley, A. Boboltz, D. Dieck, C. Godon, P. Mason, P. Singh, K.	GW Univ. NRAO-CB USNO USNO Villanova Univ. NMSU TIFR	VLBA Astrometry of six magnetic cataclysmic variables		4	20	5
BD170	Deller, A. Middelberg, E.	ASTRON ASTRON	Characterizing the mJy compact radio source population with mJIVE-20		20	3,28,30	3
BD174	Deller, A. Briskin, W. Chatterjee, S. Cordes, J. Goss, M. Janssen, G. Lazio, J. Moldon, J. Petrov, L. Stappers, B.	ASTRON NRAO-Socorro Cornell Cornell NRAO-Socorro Jodrell Bank JPL ASTRON Astrogeo Center Manchester	Evaluating error sources in relative astrometry with in-beam calibrators		13,20	1	2
BD176	Deane, R. Barthel, P. Bourke, S. Garrett, M. Heywood, I. Jarvis, M. Mauch, T. Paragi, Z.	Cape Town Kapteyn Inst. Caltech ASTRON Oxford Oxford Hertfordshire JIVE	A deep, wide-field survey of black hole accretio in the CANDELS Goods-n Field		20	1,3,20,23, 26,27,28	14
BG217	Gu, Minfeng Chen, Y. Komossa, S. Shen, Z. Wajima, K. Yuan, W. Zensus, A. Zhou, H.	Shanghai Obs. Shanghai Obs. MPIfR Shanghai Obs. Shanghai Obs. Chinese Academy MPIfR China	The radio properties of radio-loud narrow line Seyfert 1 galaxies on pc scale		6	25	5
BJ079	Jones, D. Dhawan, V. Fomalont, E. Romney, J.	JPL NRAO-Socorro NRAO-CV NRAO-Socorro	Planetary Ephemeris improvement through spacecraft astrometry		4	29	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 Mich., Ann Arbor NRAO-Socorro UNAM UNAM Bonn	The Gould's belt distances VLBA survey		4	2,22,23,26, 27,28,29, 30	24
BP175	Petrov, L. Briskin, W. Chatterjee, S. Deller, A. Moldon, J.	Astrogeo Center NRAO-Socorro Cornell ASTRON ASTRON	Investigation of residual systematic errors in dual-band observables		4,6,13	26	2.5

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BR149	Reid, M. Bartkiewicz, A. Brunthaler, A. Choi, Y. Dame, T. Hachisuka, K. Menten, K. Moellenbrock, G. Moscadelli, L. Sanna, A. Sato, M. Xu, Y. Zhang, B. Zheng, X.	CfA Nicolaus Copernicus MPIfR MPIfR CfA Shanghai Obs. MPIfR NRAO-Socorro INAF MPIfR MPIfR Chinese Academy MPIfR Nanjing	Mapping the milky way-a copy of 09c-125/ BR145 for new project code		6	1,18,19,20 ,21,22,23, 25,26,27,2 9,30,31	89
BR198	Reid, M.	CfA	Mapping the milky way-copy		1,6	1,2,3	17.75
BY134	Yusef-Zadeh, F. Brunthaler, A. Cotton, E. Haggard, D. Wardle, M.	Northwestern Univ. MPIfR NRAO-CV Northwestern Univ. Macquarie Univ.	Joint VLBA/Chandra/EVLA Monitoring of the gas cloud G2 as it Encounters Sgr A*		0.7,3	4,28	15
GL038	Pla, M. Kovalev, Y. Lobanov, A. Muxlow, T. Savolainen, T.	Univ. of Valencia Lebedev MPIfR Manchester MPIfR	Structure and physics of compact jets in AGN radio astron		20	24	14.75
S5259	Chatterjee, S. Briskin, W. Camilo, F. Deller, A. Fienga, A. Guillemot, L. Kramer, M. Lazio, J. McLaughlin, M. Ransom, S. Ray, P. Romani, R. Smith, D. Theureau, G. Vlemmings, W.	Cornell NRAO-Socorro Cornell ASTRON Obs. de Besancon MPIfR MPIfR JPL West Virginia NRAO-CV NRL Stanford CENGB Obs. de Paris Chalmers Univ.	Precision distances and velocities for fermi-detected radio pulsars		20	31	3
S5272	Taylor, G. Ferrara, E. Kovalev, Y. Linford, J. Petrov, L. Schinzel, F.	UNM GSFC ASC UNM GSFC UNM	Unveiling unassociated fermi-lat sources with a deep evla/vlba survey		6	19	12
S6117	Piner, B. Edwards, P.	Whittier CSIRO	The parsec-scale jets of an expanded sample of tev blazars as seen by the upgraded VLBA		4	21,24	12
S6340	Giroletti, M. D'Ammando, F. Giobvannini, G. Lico, R. Orienti, M. Tosti, G.	Bologna INAF INAF INAF INAF INAF	Resolving extreme accelerators: high angular resolutio observations of gamma-ray sources with thard spectrum		6	3,4	16

Based on Actual Hours Observed

The average downtime was 41.10 hours 16.60%

Actual observing time was 247.60 hours

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

Astronomical Observations = 33.28% (247.60 hours)
Tests and Calibrations = 3.90% (29.00 hours)
Maintenance = 3.16% (23.50 hours)
Number of unscheduled hours = 40.19% (299.00 hours)
Number of shutdown hours = 0.00% (00.00 hours)

Based on Scaled (128Mbps) Observing Hours

Number of scaled hours of astronomical observations = 1980.504 hrs

Downtime =16.60% (328.76366 hours)

Actual observing =1651.7403 hours

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BB337	Bower, G. Brunthaler, A. Deller, A. Demorest, P. Eatough, R. Eatough, R. Falcke, H.	Calif., Berkeley MPIfR ASTRON NRAO-CV MPIfR MPIfR ASTRON	Proper motion of the galactic center soft gamma-ray repeater 1745-29		2,4	20	6
BD170	Deller, A. Middelberg, E.	ASTRON Ruhr-Bochum	Characterizing the mJy compact radio source population with mJIVE-20		20	3,5,7,8	7
BD176	Deane, R. Barthel, P. Bourke, S. Garrett, M. Heywood, I. Jarvis, M. Mauch, T. Paragi, Z.	Cape Town Kapteyn Inst. Caltech ASTRON Oxford Oxford Hertfordshire JIVE	A deep, wide-field survey of black hole accretion in the CANDELS GOODS-N field		20	13,14,19	6
BH011	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 Inst. NRL NASA	PSRPI: Mapping the galactic distribution of pulsars with the VLBA		0.3	27	11.50
BH181	Hallinan, G. Bourke, S. Briskin, W. Deller, A. Harding, L. Konopacky, Q.	NRAO-CV JIVE NRAO-Socorro NRAO-Socorro Ireland Calif., Los Angeles	Dynamical Mass Measurement of a brown dwarf binary system		6	20	5
BL175	Loinard, L. Briceno, C. Dzib, S. Evans, N. Hartmann, L. Miodusewski, 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		4,6	1,2,3,5,7, 16,19,24,2 5	66
BM071	Marscher, A. Agudo, I. Bremer, M. Gomez, J. Hodgson, J. Jorstad, S. Keck, M. Krichbaum, T. MacDonald, N. Rani, B.	Boston IAA IRAM IAA MPIfR Boston Boston MPIfR Boston MPIfR	Continued 3mm Imaging of Gamma-ray Blazars		0.3	26,27	60.50
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-CV USNO NASA NASA USNO USNO USNO NASA NASA USNO NASA NRAO-Socorro	VLBA Geodesy/Astrometry Observations for 2011		4,13	11	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	14,21	20
BM384	Morgan, J. Bignall, H. Macquart, J.	INAF Curtin Curtin	Probing the turbulence in the ISM in the core and disk M31		20	1,15	12.50

VLBA Utilization Report September 2013

Progrm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BN048	Niinuma, K. Doi, A. Kino, M.	Yamagushi Univ. JAXA JAXA	Dense follow-up of giant GeV flare from Mrk 421 with multi-frequency astrometry		0.7,1,2,4, 13	2	4.5
BR149	Reid, M. Bartkiewicz, A. Brunthaler, A. Choi, Y. Dame, T. Hachisuka, K. Menten, K. Moellenbrock, 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 MPIfR MPIfR Chinese Academy MPIfR Nanjing	Mapping the milky-way A copy of 09C-125/BR 145 for new project code		6	12,13,16,2 3,25	32.25
BR187	Fender, R. Bower, G. Falcke, H. Ponti, G. Rushton, A.	Southampton Calif., Berkeley Radboud Univ. MPE Southampton	Simultaneous radio and x-ray monitoring of the G2 encounter with Sgr A*		0.7,1	22	8
BR198	Reid, M.	Cfa	Mapping the Milky Way-copy		1,6	10,13,15,1 8,21,24,30	44.25
BS032	Savolainen, T. Anderson, J. Giovannini, G. Hada, K. Kovalev, Y. Krichbaum, T. Lee, S. Lobanov, A. Orienti, M. Sohn, B. Tingay, S.	MPIfR MPIfR INAF INAF Lebedev Inst. MPIfR KASI MPIfR INAF KASI Curtin Univ.	The nuclear structure in nearby AGN at very high resolution with Radio Astron		0.7,1,2,6	21,22	14
BS228	Strader, J. Briskin, W. Chomiuk, L. Deller, A. Maccarone, T. Miller-Jones, J. Seth, A.	Michigan NRAO-Socorro Michigan ASTRON Southampton Curtin Cfa	Proper Motion confirmation of black holes in a globular cluster		4	7,9	8
BS230	Salter, C. Ghosh, T. Minchin, R. Momjian, E.	NAIC NAIC NAIC NRAO-Socorro	Continued Monitoring of a remarkable radio outburst in NGC660		4	9	12
BT123	Tafoya, D. Kastner, J. Montez, R. Ramstedt, S. Vlemmings, W.	Onsala Space Obs. Rochester Inst. Rochester Inst. Bonn Onsala Space Obs.	Measuring the magnetic field of the x-ray AGB star R UMa		0.7	16	8
BY134	Brunthaler, A. Cotton, W. Haggard, D. Wardle, M.	MPIfR NRAO-CV Northwestern Inst. Macquarie Univ.	Joint VLBA/Chandra/EVLA Monitoring of the Gas Cloud G2 as it Encounters Sgr A*		0.3,0.7	14	8

VLBA Utilization Report September 2013

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
GA030	Anderson, J. Agudo, I. Alberdi, A. Bach, U. Bell, M. Bernhart, S. Cassadio, C. Cawthorne, T. Eilek, J. Fromm, C. Gomez, J. Homan, D. Jorstad, S. Keck, M. Kovalev, Y. Krichbaum, T. Lee, S. Lobanov, A. Marscher, A. Marti, J. Molina, S. Nishikawa, K. Perez-Torres, M. Pla, M. Ros, E. Savolainen, T. Taylor, G. Won, B. Zensus, A.	MPIfR CSIC CSIC MPIfR MPA MPIfR CSIC Central Lancashire NRAO-Socorro MPIfR CSIC Denison Unvi. Boston Boston Lebedev Inst. MPIfR KASI MPIfR Boston Univ. of Valencia CSIC CSPAR CSIC Univ. of Valencia Univ. of Valencia MPIfR UNM KASI MPIfR	Probing the innermost regions of AGN jets and their magnetic fields		2,4,6,20	29	14
GH011	Hodgson, J. Bremer, M. D'Ammando, F. Fuhrmann, L. Giroletti, M. Hada, K. Krichbaum, T. Lico, R. Liuzzo, E. Nagai, H. Orienti, M.	MPIfR IRAM INAF MPIfR INAF INAF MPIfR INAF INAF Japan INAF	High-resolution 220 Rs imaging of the jet nozzle in 3C84		0.3	27	11.50
S5259	Chatterjee, S. Briskin, W. Camilo, F. Deller, A. Fienga, A. Guillemot, L. Kramer, M. Lazio, J. McLaughlin, M. Ransom, S. Ray, P. Romani, R. Smith, D. Theureau, G. Vlemmings, W.	Cornell NRAO-Socorro Cornell ASTRON Obs. de Besancon MPIfR MPIfR JPL West Virginia NRAO-CV NRL Stanford CENGB Obs. de Paris Chalmers Univ.	Precison distances and velocities for fermi-detected radio pulsars		20	5,20,23	9
S6117	Piner, B.	Whittier	The parsec-scale jets of an expanded sample of TEV Blazars as seen by the upgraded VLBA		4	19	8
S6340	Giroletti, M. D'Ammando, F. Giovannini, G. Lico, R. Orienti, M. Tosti, G.	Bologna INAF INAF INAF INAF Univ. of Perugia	Resolving extreme accelerations: high angular resolution observations of gamma-ray sources with hard spectrum		6	30	8

Based on Actual Hours Observed

The average downtime was 41.10 hours 9.90%

Actual observing time was 374.140 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 = 9.39% (67.57 hours)
Maintenance = 9.85% (70.90 hours)
Number of unscheduled hours = 23.09% (166.27 hours)
Number of shutdown hours = 0.00% (00.00 hours)

Based on Scaled (128Mbps) Observing Hours

Number of scaled hours of astronomical observations = 3682.330 hrs

Downtime = 9.90% (364.55067 hours)

Actual observing =3317.7793 hours

VLBA Utilization Report August 2013

File

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BB320	Busch, M. Benner, L. Briskin, W. Brozovic, M. Giorgini, J. Margot, J. Nolan, M.	Calif., Los Angeles JPL NRAO-Socorro JPL JPL Calif., Los Angeles NAIC	Radar Speckle Observations of Near-Earth Asteroids During 2013-2015		13	7,28,29,	1.5
BB325	Bannister, K. Briskin, W. Deller, A. Max-Moerbeck, W. Maxquart, J. Tingay, S. Wayth, R.	CSIRO NRAO-Socorro ASTRON Caltech Curtin Univ. Curtin Univ. Curtin Univ.	Prompt high-and low-time resolution VLBA follow-up of GRBs		20	5,22	1.5
BB326	Barrett, P. Beasley, A. Boboltz, D. Dieck, C. Godon, P. Mason, P. Singh, K.P.	G.W. Univ. NRAO-CV USNO USNO Villanova Univ. NMSU TIFR	VLBA Astrometry of Six Magnetic Cataclysmic Variables		4	17,30	10
BC215	Cenko, B. Bower, G. Frail, D. Perley, D.	NASA Calif., Berkeley NRAO-Socorro Caltech	Resolving the relativistic outflow from the nearby GRB 130702A		4	15	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 Inst. NRL NASA	PSRPI: Mapping the Galactic distribution of pulsars with the VLBA		20	2,4,6,15,1 6,22,24	19.75
BD155	Dzib, S. Boden, A. Lionard, L. Mioduszewski, A. Rodriguez, L. Torres, R.	UNAM Caltech UNAM NRAO-Socorro UNAM Bonn	The first dynamical determination of the mass of a very young Herbig AeBe Star		4	18,20	13
BD170	Deller, A. Middelberg, E.	ASTRON Ruhr-Bochum	Characterizing the mJy compact radio source population with mJIVE-20		20	2,3,4,10,1 6,18,22,24 29,31	29
BF106	Franco-Hernandez, R. Moran, J. Rodriguez, L. Vlemmings, W.	CfA CfA UNAM Onsala Space Obs.	The magnetic field and the structure of a disk in a massive young star		1	19	4
BG222	Gwinn, C. Johnson, M. Kovalev, Y. Popov, M. Vladimir, S.	Calif., Santa Barbara Calif., Santa Barbara Lebedev Inst. Lebedev Inst. Lebedev Inst.	Search for Substructure in the Scattering Disk of Pulsar B1933+16		90	1	1.5
BK182	Kharb, P. Das, M.	Indian Inst. Indian Inst.	Does the Spiral Galaxy KISSR1494 host a Double AGN?		6,20	10	3
BL175	Loiuard, L. Briceno, C. Dzib, S. Evans, N. Hartmann, L. Mioduszewski, A. Peach, G. Rodriguez, L. Torres, R.	UNAM CIDA UNAM Texas., Austin Mich., Ann Arbor NRAO-Socorro UNAM UNAM Univ. of Bonn	The Gould's Belt Distances VLBA Survey		4	1,7,19	9

VLBA Utilization Report August 2013

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BL178	Lister, M. Aller, M. Chang, C. Gehrels, N. Hogan, B. Homan, D. Hovatta, T. Kadler, M. Kellermann, K. Kovalev, Y. Pusharev, A. Ros, E. Savolainen, T. Zensus, A.	Purdue Mich., Ann Arbor MPIfR NASA Purdue Denison Univ. Purdue Univ. Erlangen-Nuremburg NRAO-CV Lebedev Inst. MPIfR Univ. of Valencia MPIfR MPIfR	The VLBA 2cm MOJAVE/Fermi Program		2	12,20	48
BM352	Melis, C. Bower, G. Miodusewski, A. Reid, M. Stauffer, J.	Calif., San Diego Calif., Berkeley NRAO-Socorro CfA Caltech	A VLBA Resolution of the Pleides Distance Controversy		4	3,10,17,24 ,31	49.50
BM353	Marscher, A. Agudo, I. Gomez, J. Hagen-Thorn, V. Jorstad, S. Larionov, B. 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	26	24
BM376	Mao, M. Blanchard, J. Momjian, E. Owen, F.	NRAO-Socorro Univ. of Tasmania NRAO-Socorro NRAO-Socorro	Why is there a giant radio source in a spiral galaxy?		20	18	3
BM396	Mesler, R. Pihlstrom, Y.	UNM UNM	Direct Resolution of GRB 130427A		6	1	4.5
BM397	McKean, J. Deller, A. Lee, M. Moldon, J.	ASTRON ASTRON Tokyo ASTRON	Exploratory follow-up of gravitational lens candidates from the mJIVE-20 survey		6	28	1.5
BN045	Ninuma, K. D'Ammando, F. Doi, A. Fujisawa, K. Giroletti, M. Hada, K. Kazunori, A. Kino, M. Koyama, S. Nagai, H. Orienti, M.	Yamaguchi Univ. INAF JAXA Yamaguchi Univ. INAF NAO NAO NAO NAO NAO INAF	Limits on the core position jitter of Mrk 421 at 1.3cm		1	18	3
BN047	Niinuma, K. Doi, A. Fujinaga, Y. Fujisawa, K. Kimura, A. Kino, M.	Yamaguchi Univ. JAXA Yamaguchi Univ. Yamaguchi Univ. Yamaguchi Univ. NAO	The VLBA imaging for radio weak blazar candidates		2,4,13	28,29	4
BN048	Niinuma, K. Doi, A. Kino, M.	Yamaguchi Univ. JAXA JAXA	Dense follow-up of giant GeV flare from Mrk 421 with multi-frequency astrometry		0.7,1,2,4, 13	11,28	9
BO043	O'Sullivan, S. Tingay, S.	CSIRO Curtin Univ.	VLBI spectroplarimetry of the Centaurus A Jet		6	9,23	12
BP171	Petrov, L.	Astrogeo Center	Low cost densification of the VLBA calibrator list		6	1	2.75

VLBA Utilization Report August 2013

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BR149	Reid, M. Bartkiewicz, A. Brunthaler, A. Chao, Y. Dame, T. Hachisuka, K. Menten, K. Moellenbrock, 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 MPIfR MPIfR Chinese Academy MPIfR Nanjing	Mapping the Milky Way-A copy of 09C-125/BR145 fir New Project Code		4	4	3.75
BR186	Ransom, S. Archibald, A. Chatterjee, S. Deller, A. Hessels, J. Kaplan, D. Lorimer, D. Lynch, R. McLaughlin, M. Stairs, I.	Uva McGill Univ. Cornell ASTRON NFRL Wisc., Milwaukee West Virginia McGill Univ. West Virginia British Columbia	Astrometry of a millisecond pulsar in a stellar triple system		20	9,25,29	9
BR187	Rushton, A. Bower, G. Falcke, H. Fender, R. Ponti, G.	Southampton Calif., Berkeley Radbound Southampton MPE	Simultaneous radio and x-ray monitoring of the G2 encounter with Sgr A*		0.7,1	30	7.75
BS229	Sadler, E. Allison, J. Edwards, P. Hancock, P. Tingay, S. Tzioumis, A.	Sydney Sydney CSIRO Sydney Curtin CSIRO	Young compact radio galaxies in the local universe		1	25	8
BT123	Tafoya, D. Kastner, J. Montez, R. Ramstedt, S. Vlemmings, W.	Onsala Space Obs. Rochester Inst. Rochester Inst. Bonn Onsala Space Obs.	Measuring the magnetic field of the x-ray AGB star R Uma		1	19	8
BY134	Brunthaler, A. Cotton, W. Haggard, D. Wardle, M.	MPIfR NRAO-CV Northwestern Inst. Macquarie Univ.	Joint VLBA/Chandra/EVLA Monitoring of the Gas cloud G2 as it Encounter Sgr A*		0.7,3	11	8
S5259	Chatterjee, S. Briskin, W. Camilo, F. Deller, A. Fienga, A. Guillemot, L. Kramer, M. Lazio, J. McLaughlin, M. Ransom, S. Ray, P. Romani, R. Smith, D. Theureau, G. Vlemmings, W.	Cornell NRAO-Socorro Cornell ASTRON Obs. de Besancon MPIfR MPIfR JPL West Virginia NRAO-CV NRL Stanford CENGB Obs. de Paris Chalmers Univ.	Precision distances and velocities for fermi-detected radio pulsars		20	9,17,19,22	12
S5272	Taylor, G. Ferrara, E. Kovalev, Y. Linford, J. Petrov, L. Schinzel, F.	UNM GSFC ASC UNM GSFC UNM	Unveiling unassociated fermi-lat sources with a deep EVLA/VLBA survey		20	6	12
S6117	Piner, B.	Whittier	The parsec-scale jets of an expanded sample of TEV Blazars as seen by the upgraded VLBA		0.7,1,4	16,23,29,30	28

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VLBA Utilization Report July 2013

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BB303	Brunthaler, A. Bower, G. Darling, J. Falcke, H. Garrett, M. Henkel, C. Loeb, A. Loinard, L. Menten, K. Oosterloo, T. Reid, M. Roediger, E. Sjouwerman, L. Tachi, A. van Gorkom, J.	MPIfR Calif., Berkeley Colo., Boulder Radbound ASTRON MPIfR CfA UNAM MPIfR ASTRON CfA Jacobs Univ. NRAO-Socorro INAF Columbia	Proper motion of Galaxies in and beyond the local group		1	7	12
BB337	Bower, G. Brunthaler, A. Deller, A. Demorest, P. Eatough, R. Falcke, H.	Calif., Berkeley MPIfR ASTRON NRAO-CV MPIfR Radbound	Proper Motion of the Galactic Center Soft Gamma-Ray Repeater 1745-29		4	13	6
BC204	Condon, J. Darling, J. Kovalev, Y. Petrov, L.	NRAO-CV Colo., Boulder Lebedev Inst. NASA	Offset and Binary Black Holes in Nearby Galaxies: Dual-Band Imaging		6	21	24
BC215	Cenko, B. Bower, G. Frail, D. Perley, D.	NASA Calif., Berkeley NRAO-Socorro Caltech	Resolving the relativistic outflows from the nearby GRB 130702A		1	13,25	8
BD152	Deller, A. Brisken, W. Chatterjee, S. Cordes, J. Goss, M. Kovalev, Y. Lazio, J. Petrov, L.	ASTRON NRAO-Socorro Cornell Cornell NRAO-Socorro Lebedev Inst. NRL NASA	PSRPI: Mapping the Galactic distribution of pulsars with the VLBA		20	8,15,16,17, 24,27	21.75
BD170	Deller, A. Middelberg, E.	ASTRON Ruhr-Bochum	Characterizing the mJy compact radio source population with mJIVE-20		20	2,6,7,8,16, 17,20,26, 28,29	18
BE063	Edge, A. Crawford, C. Croston, J. Fabian, A. Grainge, K. Hamer, S. Hogan, M. Johstone, R. Russell, H. Salome, P. Taylor, G. McNamara, B.	Durham Cambridge Southampton Cambridge Cambridge Durham Durham Cambridge Cambridge IRAM UNM Univ. of Waterloo	A VLBA Survey of cool core radio sources-the heart of the beast		6	6	2
BG216	Gomez, J. Agudo, I. Casadido, C. Dodson, R. Fromm, C. Jorstad, S. Marscher, A. Martí, J. Molina, S. Perucho, M. Rioja, M.	IAA Boston Univ. IAA Western Australia MPIfR Boston Univ. Boston Univ. Univ. of Valencia IAA Univ. of Valencia Western Australia	The mm-VLBI radio core and its connection with gamma-ray flares in AGN jets		0.3,0.7,1, 2,6	5	12
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	1,4,14,16, 19	15

VLBA Utilization Report July 2013

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BL178	Lister, M. Anderson, J. Edwards, P. Gurvits, L. Jauncey, D. Kardashev, N. Kellerman, K. Kovalev, Y. Lobanov, A. Romney, J. Schilizzi, R. Sokolovsky, K. Zensus, A.	Purdue MPIfR ATNF JIVE ATNF Lebedev Inst. NRAO-CV Lebedev Inst. MPIfR NRAO-Socorro Jodrell Bank Lebedev Inst. MPIfR	Getting closer to SMBhs with the space VLBI interferometer Radio-Astron-VLA		2	8,22,30	72
BL188	Lonsdale, C. Condon, J. Kimball, A. Lacy, M. Lonsdale, C. Smith, R.	NRAO-CV NRAO-CV NRAO-CV NRAO-CV NRAO-CV Drexel Univ.	VLBA imaging of red mid-IR luminous radio-loud QSOs		6	3,14,18	24
BM352	Melis, C. Bower, G. Miodusewski, A. Reid, M. Stauffer, J.	Calif., San Diego Calif., Berkeley NRAO-Socorro Cfa Caltech	A VLBA Resoluton of the Pleides Distance Controversy		4	6,13,20	30
BM353	Marscher, A. Agudo, I. Gomez, J. Hagen-Thorn, V. Jorstad, S. Larionov, V. MacDonald, N. Romney, J.	Boston Univ. IAA IAA St. Petersburg Boston Univ. St. Petersburg Boston Univ. NRAO-Socorro	Sub-parsec Imaging of the Gamma-ray Emission Regions of Blazars		0.7	1,28	48
BM387	McClintock, J. Reid, M.	Cfa Cfa	A Parallax for Cyg X-3: Does it Contain a Black Hole or Neutron Star?		0.7	12	1.5
BM397	McKean, J. Deller, A. Lee, M. Moldon, J.	ASTRON ASTRON Tokyo ASTRON	Exploratory follow-up of gravitational lens candidates from the mJIVE-20 survey		6	27	1.5
BN048	Niinuma, K. Doi, A. Kino, M.	Yamaguchi Univ. JAXA JAXA	Dense follow-up of giant GeV flare from Mrk 421 with mulit-frequency astrometry		0.7,1,2,4, 13	3,14,27	13.5
BR149	Reid, M. Bartkiewicz, A. Brunthaler, A. Choi, Y. Dame, T. Hachisuka, K. Menten, K. Moellenbrock, 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 MPIfR MPIfR Chinese Academy MPIfR Nanjing	Mapping the Milky Way- A copy of 09C-125/BR 145 for New Project Code		1,6 4.25	19,30	4.25
BS224	Sanna, A. Brunthaler, A. Carrasco-Gonzalez, Kramer, B. Menten, K. Moscadelli, L. Reid, M. van der Tak, F.	MPIfR MPIfR MPIfR MPIfR INA Cfa SRON	Probing high-mass star formation with OH masers: AFGL 2591 & G9.62+0.20		20	2,4	16
BY134	Yusef-Zadeh, F. Brunthaler, A. Cotton, W. Haggard, D. Wardle, M.	Northwestern MPIfR NRAO-CV Northwestern Macquarie Univ.	Joint VLBA/Chandra/EVLA Monitoring of the Gas cloud G2 as it Encouners Sgr A*		0.3,0.7	27	8

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Based on Scaled (128Mbps) Observing Hours

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file

VLBA Utilization Report June 2013

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BA103	An, T. Frey, S. Hong, X. Komossa, S. Paragi, Z. Shen, Z.	Shanghai Obs. Inst. of Geodesy Shanghai Obs. MPIfR JIVE Shanghai Obs.	VLBA observations of four dual AGNs at 18cm		20	15	6
BA104	Alves, F. Girart, J. Torrelles, J. Vlemmings, W.	Bonn IECC IECC OSO	Water masers in a low-mass protostar: tracing the 3D magnetic field structure		1	2	5
BB303	Brunthaler, A. Bower, G. Darling, J. Falcke, H. Garrett, M. Henkel, C. Loeb, A. Loinard, L. Menten, K. Oosterloo, T. Reid, M. Roediger, E. Sjouerman, L. Tarchi, A. van Gorkom, J.	MPIfR Calif., Berkeley Colo., Boulder Radboud Univ. ASTRON MPIfR Cfa UNAM MPIfR ASTRON Cfa Jacobs Univ. NRAO-Socorro INAF Columbia	Proper motion of galaxies in and beyond the local group		1	9,17,25	36
BB320	Busch, M. Benner, L. Briskin, W. Brozovic, M. Giorgini, J. Margot, J. Nolan, M.	Calif., Los Angeles JPL NRAO-Socorro JPL JPL Calif., Los Angeles NAIC	Radar speckle observations of near-earth asteroids during 2013-2015		13	6	0.5
BB336	Brunthaler, A. Bower, G. Eatough, R. Falcke, H. Freire, P. Kramer, M. Lazarus, P.	MPIfR Calif., Berkeley MPIfR Radboud Univ. MPIfR MPIfR MPIfR	Proper motion of the galactic center soft gamma ray repeater		4	1	6
BB337	Bower, G. Brunthaler, A. Deller, A. Demorest, P. Eatough, R. Falcke, H.	Calif., Berkeley MPIfR ASTRON NRAO-CV MPIfR Radboud	Proper motion of the Galactic Center Soft Gamma-Ray Repeater 1745-29		2	30	6.25
BD152	Deller, A. Briskin, W. Chatterjee, S. Cordes, J. Goss, M. Kovalev, Y. Lazio, J. Petrov, L.	ASTRON NRAO-Socorro Cornell Cornell NRAO-Socorro Lebedev Inst. NRL NASA	PSRPI: Mapping the galactic distribution of pulsars with the VLBA		13,20	2,4,8,15,16,18,19,23,29,	29.75
BD170	Deller, A. Middelberg, E.	ASTRON Ruhr-Bochum	Characterizing the mJy compact radio source population with mJIVE-20		20	8,10,12,16,17	8
BD177	Doeleman, S. Fish, V. Hughes, D. Loinard, L. Schloerb, P.	Haystack Obs. Haystack Obs. INAOEP UNAM Univ. Mass	3mm VLBI with the LMT		0.3,0.7,4	24,26	6
BE063	Edge, A. Crawford, C. Croston, J. Fabian, A. Grainge, K. Hamer, S. Hogan, M. Johnstone, R. McNamara, B. Russell, H. Salome, P. Taylor, G.	Durham Cambridge Southampton Cambridge Cambridge Durham Durham Cambridge Univ. of Waterloo Cambridge IRAM UNM	A VLBA survey of cool core radio sources-the heart of the beast		6	17	2

VLBA Utilization Report June 2013

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BI038	Inner, K. Menten, K. Reid, M. Sanna, A.	MPIFR MPIFR CfA MPIFR	3D Streaming Motions in the Nuclear Disk of Milky Way		6	18	7
BJ079	Jones, D. Dhawan, V. Fomalont, E. Romney, J.	JPL NRAO-Socorro NRAO-CV NRAO-Socorro	Planetary Ephemeris Improvement through Spacecraft Astrometry		4	14	4
BL175	Lionard, L. Briceno, C. Dzib, S. Evans, N. Hartman, 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	6,10,11,15 ,16,23,28	24
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. Zensus, A.	Purdue Mich., Ann Arbor MPIFR NASA Purdue Denison Univ. Purdue Erlangen-Nuremburg NRAO-CV Lebedev Inst. MPIFR Univ. of Valencia MPIFR MPIFR	The VLBA 2cm MOJAVE/Fermi Program		2	2	24
BL188	Lonsdale, C. Condon, J. Kimball, A. Lacy, M. Lonsdale, C. Smith, R.	NRAO-CV NRAO-CV NRAO-CV NRAO-CV Haystack Drexel Univ.	VLBA imaging of red mid-IR luminous radio-loud OSOs		6	27	7.75
BM335	Miller-Jones, J. Jonker, P. Nelemans, G. Sivakoff, G.	NRAO-CV CfA Radboud Univ. Uva	Astrometry of Aql X-1 and the luminosity of Type I x-ray bursts		4	21	6
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-CV USNO NASA NASA USNO USNO USNO NASA USNO NASA NRAO-Socorro	VLBA Geodesy/Astrometry Observations for 2011		4,13	19	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	1,7,14,21, 28	50
BM380	Miller-Jones, J. Cumming, A. Galloway, D. Jonker, P. Kuulkers, E. Migliari, S.	Curtin McGill Univ. Monash Univ. CfA ESA Barcelona	Calibrating the luminosity of Type I X-ray bursts via the parallax of 4U0614+091		4	24	4
BM388	Marecki, A.	Nicolaus Copernicus	Effects owed to differential light-travel time in 3C328 radio galaxy		6,20	8	6

VLBA Utilization Report June 2013

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BN045	Niinuma, K. D'Ammando, F. Doi, A. Fujisawa, K. Giroletti, M. Hada, K. Kazunori, A. Kino, M. Koyama, S. Nagai, H. Orienti, M.	Yamaguchi Univ. INAF JAXA Yamaguchi Univ. INAF NAO NAO NAO NAO NAO INAF	Limits on the core position jitter of Mrk 421 at 1.3 cm		1	9	3
BN048	Niinuma, K. Doi, A. Kino, M.	Yamaguchi Univ. JAXA JAXA	Dense follow-up of giant GeV flare from Mrk 421 with multi-frequency astrometry		0.7,1,2,4,13	6,16	9.1
B0043	O'Sullivan, S. Tingay, S.	CSIRO Curtin	VLBI spectropolarimetry of the Centaurus A jet		6	11,25	12
BP171	Petrov, L.	Astrogeo Center	Lost cost densification of the VLBA calibrator list		6	8	3.25
BR145	Reid, M. Bartkiewicz, A. Brunthaler, A. Choi, Y. Dame, T. Hachisuka, K. Menten, K. Moellenbrock, 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	10	7
BR149	Reid, M. Bartkiewicz, A. Brunthaler, A. Choi, Y. Dame, T. Hachisuka, K. Menten, K. Moellenbrock, 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 MPIfR MPIfR Chinese Academy MPIfR Nanjing	Mapping the Milky Way-A Copy of 09C-125 /BR145 for New Project Code		1,6	6,11,23,24,25,29	23.25
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	8	12.5
BW102	Wrobel, J. Assef, R. Djorgovski, G. Fu, H. Myers, A. Riechers, D. Stockton, A. Yan, L. Zhang, Z.	NRAO-Socorro JPL Caltech Caltech Wyoming Cornell Hawaii., Manoa Caltech MPIfR	VLBA Confirmation of a Kiloparsec-Scale Dual AGN		6	29	6
BW106	Walker, C. Hardee, P. Junor, B. Ly, C.	NRAO-Socorro Ala., Tuscaloosa Calif., Los Angeles STScI	Time Dependence of Distortions of the M87 Jet		0.7	3	11
GZ013	Zwaan, M. Biggs, A. Briggs, F. Liske, J.	ESO ESO ANU ESO	Small scale structure in the ISM of a nearby galaxy		20	5	13
S4195	Petrov, L.	NASA	2FGL Active galactic nuclei at parsec scales		6	21	24.25

VLBA Utilization Report June 2013

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
S5259	Chatterjee, S. Brinken, W. Camilo, F. Cordes, J. Deller, A. Fienga, A. Guillemot, L. Kramer, M. Lazio, J. McLaughlin, M. Ransom, S. Ray, P. Romani, R. Smith, D. Theureau, G. Vlemmings, W.	Cornell NRAO-Socorro Columbia Cornell ASTRON Obs. de Besancon MPIfR MPIfR JPL West Virginia NRAO-CV NRL Stanford CENBG Obs. de Paris Chalmers Univ.	Precision distances and velocities for fermi-detected radio pulsars		20	6,16,19	9

Based on Actual Hours Observed

The average downtime was 28.39 hours 7.00%

Actual observing time was 377.208 hours

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

Astronomical Observations = 56.33% (405.60 hours)
 Tests and Calibrations = 6.51% (46.85 hours)
 Maintenance = 14.96% (107.70 hours)
 Number of unscheduled hours = 22.20% (159.85 hours)
 Number of shutdown hours = 0.00% (00.00 hours)

 Based on Scaled (128Mbps) Observing Hours

Number of scaled hours of astronomical observations = 3216.678 hrs

Downtime = 7.00% (225.16746 hours)

Actual observing = 2991.51054 hours

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VLBA Utilization Report May 2013

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BA104	Alves, F. Girart, J. Torrelles, J. Vlemmings, W.	Bonn IEEC IEEC OSO	Water masers in a low-mass protostar: tracing the 3D magnetic field structure		1	28	5
BB336	Bower, G. Brunthaler, A. Eatough, R. Falcke, H. Freire, P. Kramer, M. Lazarus, P.	Calif., Berkeley MPIfR MPIfR Radbound MPIfR MPIfR MPIfR	Proper Motion of the Galactic Center Soft Gamma Ray Repeater		4	10	6
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	14	8.25
BD152	Deller, A. Brinken, W. Chatterjee, S. Cordes, J. Goss, M. Kovalev, Y. Lazio, J. Petrov, L.	ASTRON NRAO-Socorro Cornell Cornell NRAO-Socorro Lebedev Inst. NRL NASA	PSRPI: Mapping the Galactic distribution of pulsars with the VLBA		13,20	1,8,10,11, 19,20,21,2 3,26,27,29	34.50
BD162	Doeleman, S. Brunthaler, A. Fish, V. Honma, M. Reid, M.	Haystack MPIfR Haystack NAO CfA	Measuring the distance to the Galactic Center: Parallax of SgrA*		0.3,0.7	5	7
BD170	Deller, A. Middelberg, E.	ASTRON Ruhr-Bochum	Characterizing the mJy compact radio source population with mJIVE-20		20	8,19,25,26 ,27,	12
BE063	Edge, A. Crawford, C. Croston, J. Fabian, A. Grainge, K. Hamer, S. Hogan, M. Johnstone, R. McNamara, B. Russell, H. Salome, P. Taylor, G.	Durham Cambridge Southampton Cambridge Cambridge Durham Durham Cambridge Waterloo Cambridge IRAM UNM	A VLBA survey of cool core radio sources-the heart of the beast		6	22	2
BH194	Horesh, A. Bourke, S. Hallinan, G. Kulkarni, S. Mooley, K.	Caltech Caltech Caltech Caltech Caltech	VLBA Observations of a recent Tidal-Disruption-Event candidate		4	30	5
BL175	Loinard, L. Briceno, C. Dzib, S. Evans, N. Hartman, 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	1,10,21,23 ,24,27,29, 30	27
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. Savolaninen, T. Zensus, 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	5	24

VLBA Utilization Report May 2013

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BM352	Melis, C. Bower, G. Mioduszewski, A. Reid, M. Stauffer, J.	Calif., San Diego Caltech NRAO-Socorro CfA Caltech	A VLBA Resolution of the Pleiades Distanace Controverey		4	11	10
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 Emisison Regions of Blazars		0.7	30	24
BM375	Maccarone, T. Briskin, W. Casetti, D. Chomiuk, L. Deller, A. Lyne, A. Miller-Jones, J. Ransom, S. Stappers, B. Strader, J.	Southampton NRAO-Socorro Yale CfA ASTRON Jodrell Bank Curtin UVA ASTRON CfA	A trigonometric parallax for a globular cluster		20	2	1
BN048	Niiuma, K. Doi, A. Kino, M.	Yamaguchi Univ. JAXA JAXA	Dense follow-up of giant GeV flare from Mrk 421 with multi-frequency astrometry		0.2,0.7,1, 13	21	4.5
BO043	O'Sullivan, S. Tingay, S.	CSIRO Curtin	VLBI spectropolarimetry of the Centaurus A jet		6	11	6
BR145	Reid, M. Bartkiewicz, A. Brunthaler, A. Choi, Y. Dame, T. Hachisuka, K. Menten, K. Moellenbrock, 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	9,16,24	21
BR149	Reid, M. Bartkiewicz, A. Brunthaler, A. Choi, Y. Dame, T. Hachisuka, K. Menten, K. Moellenbrock, 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 MPIfR MPIfR Chinese Academy MPIfR Nanjing	Mapping the Milky Way-A Copy of 09C-125/BR145 for New Project Code		6	4,12,19	21
BR188	Rani, B. Fuhrmann, L. Hodgson, J. Jorstad, S. Karamanavis, V. Krichbaum, T. Marscher, A. Zensus, A.	MPIfR MPIfR MPIfR Boston MPIfR MPIfR Boston MPIfR	ToO VLBI observations to trace BL LAC during decay phase of histoic outburst		0.3,0.7,1	2	9
BS216	Schaefer, G. Prato, L. Simon, M. Zavala, R.	Georgia Lowell Obs. NY., Stony Brook USNO	Distance to the Young Triple Star V807 Tau: Finishing the job		4	16	10
BY134	Yusef-Zadeh, F. Brunthaler, A. Cotton, W. Haggard, D. Wardle, M.	Northwestern MPIfR NRAO Northwestern Macquarie Univ.	Joint VLBA/Chandra/EVLA Monitoring of the Gas Cloud G2 as it Encounters Sgr A*		0.7,0.3	25	8

VLBA Utilization Report May 2013

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
S4195	Kovalev, Y. Petrov, L.	Lebedev Inst. NASA	2FGL Active galactic nuclei at parsec scales		6	6,17	48.80
S5033	Jorstad, S. Marscher, A.	Boston Boston	Multi-Frequency campaigns to study rapid variability in gamma-ray blazars		0.7	3,12,19	48
S5259	Chatterjee, S. Briskin, W. Camilo, F. Cordes, J. Deller, A. Fienga, A. Guillemot, L. Kramer, M. Lazio, J. McLaughlin, M. Ransom, S. Ray, P. Romani, R. Smith, D. Theureau, G. Vlemmings, W.	Cornell NRAO-Socorro Columbia Cornell ASTRON Obs. de Besancon MPIfR MPIfR JPL West Virginia NRAO-Socorro NRL Stanford Centre de Bordeaux Obs. de Paris Chambers Univ.	Precision distances and velocities for fermi-detected radio pulsars		20	9,12,21,22	12

Based on Actual Hours Observed

The average downtime was 30.93 hours 8.30%

Actual observing time was 372.70 hours

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

Astronomical Observations = 50.09% (372.70 hours)

Tests and Calibrations = 9.40% (69.94 hours)

Maintenance = 10.62% (79.00 hours)

Number of unscheduled hours = 28.89% (222.36 hours)

Number of shutdown hours = 0.00% (00.00 hours)

Based on Scaled (128Mbps) Observing Hours

Number of scaled hours of astronomical observations = 3026.37 hrs

Downtime = 8.30% (251.1893 hours)

Actual observing = 2775.1886 hours

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VLBA Utilization Report April 2013

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BB321	Braatz, J. Condon, J. Constantin, A. Gao, F. Greene, J. Henkel, C. Impellizzeri, V. Kuo, C. Litzinger, E. Lo, K.Y. Reid, M. Wagner, J. Zhao, W.	NRAO NRAO James Madison NRAO Princeton MPIfR NRAO UVA Wuerzburg NRAO CfA MPIfR Shanghai	The Megamaser Cosmology Project VI		1	6,12,13,14,15,19	32
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 Inst. NRL NASA	PRSPI: Mapping the Galactic distribution of pulsars with the VLBA		20	5,9,20,22,23,27,29	20
BD160	Darling, J. Braatz, J. Brogan, C. Jhonson, K.	Colo., Boulder NRAO NRAO UVA	Mapping Two New Water Masers: A maser disk candidate and dwarf merger		1	2	6
BD162	Doeleman, S. Brunthaler, A. Fish, V. Honma, M. Reid, M. Reid, M.	Haystack MPIfR Haystack NAO CfA CfA	Measuring the distance to the galactic center: Parrallax of Sgr A*		0.3,0.7	26	7
BD170	Deller, A. Middelberg, E.	ASTRON Ruhr-Bochum	Characterizing the mJy compact radio source population with mJIVE-20		20	7,8	3
BD175	Deller, A. Chatterjee, S. Nice, D. Weisberg, J.	ASTRON Cornell Lafayette Carleton	Improving GR tests with the binary pulsars B1913+16 via a parallax distance		4	11,18,21,22,25,27,28,30	24
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. Zensus, 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	1	20
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	10	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	6,13,20,27	40

VLBA Utilization Report April 2013

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BM353	Marscher, A. Agudo, I. Gomez, J. Hagen-Thorn, V. Larionov, V. MacDonald, N. Romney, J.	Boston IAA IAA St. Petersburg St. Petersburg Boston NRAO-Socorro	Sub-parsec imaging of the gamma-ray emission regions of blazars		0.7	16	21.75
BM376	Mao, M. Blanchard, J. Momjian, E. Owen, F.	NRAO-Socorro Univ. of Tasmania NRAO-Socorro NRAO-Socorro	Why is there a giant radio source in a spiral galaxy?		13,20	8,19,26,29	12
BM384	Morgan, J. Bignall, H. Macquart, J.	INAF Curtin Curtin	Probing the turbulence in the ISM in the core and disk of M31		13	7	6.25
BN045	Niinuma, K. D'Ammando, F. Doi, A. Fujisawa, K. Giroletti, M. Hada, K. Kazunori, A. Kino, M. Koyama, S. Nagai, H. Orienti, M.	Yamaguchi Unvi. INAF JAXA Yamaguchi Univ. INAF NAO NAO NAO NAO NAO INAF	Limits on the core position jitter of Mrk 421 at 1.3cm		1	15	3
BO043	O'Sullivan, S. Tingay, S.	ATNF Curtin	VLBI spectropolarimetry of the Centaurus A jet		6	6,23	12
BP171	Petrov, L.	Astrogeo Center	Low cost densification of the VLBA calibrator list		6	8,9,20,21,22,28,29	31.25
BR145	Reid, M. Bartkiewicz, A. Brunthaler, A. Choi, Y. Dame, T. Hachisuka, K. Menten, K. Moellenbrock, 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	3	7
BR149	Reid, M. Bartkiewicz, A. Brunthaler, A. Choi, 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 MPIfR MPIfR Chinese Academy MPIfR Nanjing	Mapping the Milky Way-A copy of 09C-125/BR145 for New Project Code		6	2,5,7,8,10,12,14,15,16,18,19,21,22,25,28,29,30	115
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	3	12.50

VLBA Utilization Report April 2013

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
S5259	Chatterjee, S. Brisken, W. Camilo, F. Cordes, J. Deller, A. Fienga, A. Guillemot, L. 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 Besancon MPIfR MPIfR JPL West Virginia NRAO NRL Stanford Bordeaux Gradignan Obs. de Paris Chalmers	Precision Distances and Velocities for Fermi-Detected Radio Pulsars		20	18	3

Based on Actual Hours Observed

The average downtime was 28.40 hours 7.00%

Actual observing time was 377.34 hours

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

Astronomical Observations = 56.35% (405.75 hours)
 Tests and Calibrations = 4.49% (32.35 hours)
 Maintenance = 9.44% (68.00 hours)
 Number of unscheduled hours = 29.71% (213.90 hours)
 Number of shutdown hours = 0.00% (00.00 hours)

 Based on Scaled (128Mbps) Observing Hours

Number of scaled hours of astronomical observations = 2982.87 hrs

Downtime = 7.00% (208.8009 hours)

Actual observing =2774.0691 hours

VLBA Utilization Report March 2013

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BA103	An, T. Frey, S. Hong, X. Komossa, S. Paragi, Z. Shen, Z.	Shanghai Obs. Inst. of Geodesy Shanghai Obs. MPIfR JIVE Shanghai Obs.	VLBA observations of four dual AGNs at 18cm		20	2	6
BB315	Brunthaler, A. Berger, E. Bietenholz, M. Frail, D. Rupen, M. Soderberg, A. Zauderer, B.	MPIfR CfA York Univ. NRAO-Socorro NRAO-Socorro CfA CfA	VLBI observations will reveal the nature of tidal disruption event, Sw 1644+573		1,4	27	7
BC170	Creel, B. Creel, B. Claussen, M. Pihlstrom, Y.	UNM UNM NRAO-Socorro UNM	Affirming OH and H2O maser emission in "water-fountain" Pre-Planetary Nebulae		1,20	4	8.5
BC210	Casadio, C. Agudo, I. Beilicke, M. Cesarini, A. Cheung, T. Doi, A. Fromm, C. Giroletti, M. Gomez, J. Hada, K. Harris, D. Kino, M. Krawczynski, H. Marti, J. Molina, S. Nagai, H. Perucho, M.	IAA Boston Univ. Wash., St. Louis Ireland NRL NOAJ MPIfR INAF IAA NAOJ CfA NAOJ Wash., St. Louis Univ. of Valencia IAA NAOJ Univ. of Valencia	A sensitive study of the peculiar jet structure HST-1 in M87		6,13	3,9	16
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 Inst. NRL NASA	PSRPI: Mapping th Galactic distribution of pulsars with the VLBA		13,20	3,8,15,17, 20,27,31	20
BD160	Darling, J. Braatz, J. Brogan, C. Johnson, K.	Colo., Boulder NRAO NRAO UVA	Mapping two new water masers: A maser disk candidate and dwarf merger		1	28	6
BD161	Deller, A. Middelberg, E.	ASTRON RUB	Characterizing the Mjy compact radio souce population		20	1,3,5,8,11 12,17,20	12
BD170	Deller, A. Middelberg, E.	ASTRON RUB	Characterizing the Mjy Compact radio source population with MjIVE-20		20	23,26,29	5
BE063	Edge, A. Crawford, C. Croston, J. Fabian, A. Grainge, K. Hamer, S. Hogan, M. Johnstone, R. McNamara, B. Russell, H. Salome, P. Taylor, G.	Durham Cambridge Southampton Cambridge Cambridge Durham Durham Cambridge Univ. of Waterloo Cambridge IRAM UNM	A VLBA survey of cool core radio sources-the heart of the beast		6	5,7,9,10,1 1,16,29	17
BG215	Gonidakis, I. Boboltz, D. Diamond, P. Dodson, R. Kemball, A. Marvel, K. Rioja, M.	CSIRO USNO CSIRO Western Australia Urbana-Campaign AAS Wester Australia	Simultaneous observations of seven J=1-0 SiO Maser Lines		0.7	3	8

VLBA Utilization Report March 2013

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BG216	Gomez, J. Agudo, I. Casadido, C. Dodson, R. Fromm, C. Jorstad, S. Marscher, A. Marti, J. Molina, S. Perucho, M. Rioja, M.	IAA Boston Univ. IAA Western Australia MPIfR Boston Univ. Boston Univ. Univ. of Valencia IAA Univ. of Valencia Western Australia	The mm-VLBI radio core and its connection with gamma-ray flares in AGN jets		1	3	1.5
BH182	Haga, T. Doi, A. Hada, K. Kameno, S. Murata, Y. Sudou, H.	JAXA JAXA NAOJ Kagoshima Univ. JAXA Gifu Univ.	Multi-Frequency Astrometry of the Core Shift due to Free-Free Absorption		0.7,1,2,20	15,18,19	13.25
BH188	Hodgson, J. Bignall, H. Fuhmann, L. Krichbaum, T. Reynolds, C.	MPIfR Curtin Univ. MPIfR MPIfR Curtin Univ.	Measuring the core shift in intra-hour variable blazar PKS 157-326		4,6,13,20	8,10	8
BJ079	Jones, D. Dhawan, V. Fomalont, E. Romney, J.	JPL NRAO-Socorro NRAO NRAO-Socorro	Planetary Ephemeris Improvement through Spacecraft Astrometry		4	31	4
BK178	Kellermann, K. Anderson, J. Edwards, P. Gurvits, L. Jauncey, D. Kardashev, N. Kovalev, Y. Lobanov, A. Romney, J. Schilizzi, R. Sokolovsky, K. Zensus, A.	NRAO MPIfR ATNF JIVE ATNF Lebedev Inst. Lebedev Inst. MPIfR NRAO-Socorro Jodrell Bank Lebedev Inst. MPIfR	Getting closer to SMBhs with the space VLBI interferometer Radio-Astron-VLA		1	1	1.75
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	17,19,22,23,25,30	18
BL178	Lister, M. Aller, M. Chang, C. Gehrels, N. Hogan, B. Homan, D. Hovatta, T. Kadler, M. Kellermann, K. Pushkarev, A. Ros, E. Savolainen, T. Zensus, A.	Purdue Mich., Ann Arbor MPIfR NASA Purdue Denison Univ. Purdue Erlangen-Nuremburg NRAO MPIfR Univ. of Valencia MPIfR MPIfR	The VLBA 2cm MOJAVE/Fermi Program		2	31	4
BL188	Lonsdale, C. Condon, J. Kimball, A. Lacy, M. Lonsdale, C. Smith, R.	NRAO NRAO NRAO NRAO MIT Drexel Univ.	VLBA imaging of red mid-IR luminous radio-loud QSOs		6	23,24	15.50
BM352	Melis, C. Bower, G. Miodusewski, A. Reid, M. Stauffer, J.	Calif., San Diego Calif., Berkeley NRAO-Socorro CfA Caltech	A VLBA Resolution of the Pleiades Distance Controversy		4	1,8,15,29	40

VLBA Utilization Report March 2013

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BM376	Mao, M. Blanchard, J. Momjian, E. Owen, F.	NRAO-Socorro Univ. of Tasmania NRAO-Socorro NRAO-Socorro	Why is there a giant radio source in a spiral galaxy?		4,20	4,14,26	9
BM384	Morgan, J. Bignall, H. Macquart, J.	INAF Curtin Curtin	Probing the turbulence in the ISM in the core and disk of M31		20	2	6.25
B0043	O'Sullivan, S. Tingay, S.	ATNF Curtin Univ.	VLBI spectropolarimetry of the Centaurus a Jet		6	6	6
BP171	Petrov, L.	Astrogeo Center	Low cost densification of the VLBA calibrator list		6	4,26	7
BR149	Reid, M. Bartiewicz, A. Brunthaler, A. Chai, Y. Dame, T. Hachisuka, K. Menten, K. Moellenbrock, 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 MPIfR MPIfR Chinese Academy MPIfR Nanjing	Mapping the Milky Way-A copy of 09C-125 / BR145 for New Project Code		6	2,5,7,9,10,11,12,14,16,17,18,19,22,23	114.2
BR173	Reid, M. Brunthaler, A.	Cfa MPIfR	Astrometry of Sgr A*: Preparation for the infall of a gas cloud		1	2,11	12
S5259	Chatterjee, S. Briskin, W. Camilo, F. Cordes, J. Deller, A. Fienga, A. Guillemot, L. Kramer, M. Lazio, J. McLaughlin, M. Ransom, S. Ray, P. Romani, R. Smith, D. Theureau, G. Vlemmings, W.	Cornell NRAO-Socorro Columbia Univ. Cornell NRAO Obs. de Besancon MPIfR MPIfR JPL West Virginia NRAO NRL Stanford Univ. CENBG Obs. de Paris Chalmers Univ.	Precision distances and velocities for fermi-detected radio pulsars		20	6,20,29,31	12

Based on Actual Hours Observed

The average downtime was 17.82 hours 4.50%

Actual observing time was 378.37 hours

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

Astronomical Observations = 53.25% (396.20 hours)
 Tests and Calibrations = 7.61% (56.65 hours)
 Maintenance = 9.14% (68.00 hours)
 Number of unscheduled hours = 29.99% (223.15 hours)
 Number of shutdown hours = 0.00% (00.00 hours)

 Based on Scaled (128Mbps) Observing Hours

Number of scaled hours of astronomical observations = 3212.968hrs

Downtime = 4.50% (144.58356 hours)

Actual observing =3068.38444 hours

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VLBA Utilization Report February 2013

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BA104	Alves, F. Girart, J. Torrelles, J. Vlemmings, W.	Bonn IEEC IEEC OSO	Water masers in a low-mass protostar: tracing the 3D magnetic field structure		1	5	5
BA105	Amiri, N. Darling, J.	Colo., Boulder Colo., Boulder	Probing Magnetic Fields in the Accretion Disks of supermassive Black Holes		1	4,7,16,17, 24,25	36
BB303	Brunthaler, A. Bower, G. Bower, G. Darling, J. Falcke, H. Garrett, M. Henkel, C. Loeb, A. Loinard, L. Menten, K. Oosterloo, T. Reid, M. Roediger, E. Sjouwerman, L. Tarchi, A. van Gorkom, J.	MPIfR Calif., Berkeley Calif., Berkeley Colo., Boulder Radbound ASTRON MPIfR CfA UNAM MPIfR ASTRON CfA Jacobs Univ. NRAO-Socorro INAF Columbia	Proper motion of Galaxies in and beyond the Local Group		1	2,3	16
BB320	Busch, M. Benner, L. Briskin, W. Brozovic, M. Giogini, J. Margot, J. Nolan, M.	Calif., Los Angeles JPL NRAO JPL JPL Calif., Los Angeles NAIC	Radar Speckle Observations of Near-Earth Asteroids During 2013-2015		4	16	0.5
BB321	Braatz, J. Condon, J. Constantin, A. Gao, F. Greene, J. Henkel, C. Impellizzeri, V. Kuo, C. Litzinger, E. Lo, K.Y. Reid, M. Wagner, J. Zhao, W.	NRAO NRAO James Madison Univ. NRAO Princeton MPIfR NRAO UVa Univ. of Wurzburg NRAO CfA MPIfR Shanghai	The Megamaser Cosmology Project. VI		1	9,12,14,16 17,18,21, 24	59
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 Inst. NRL NASA	PSRPI: Mapping the Galactic distribution of pulsars with the VLBA		20	7,8,15,19, 23,25,26	20.25
BD160	Darling, J. Braatz, J. Brogan, C. Johnson, K.	Colo., Boulder NRAO NRAO UVa	Mapping Two New Water Masers: A Maser Disk Candidate and Dwarf Merger		1	1,3	12
BD161	Deller, A. Middelberg, E.	NFRL Ruhr-Bochum	Characterizing the mJy compact radio source population		20	2,4,9,15,1 9,25	11
BG216	Gomez, J. Agudo, I. Casadio, C. Dodson, R. Fromm, C. Jorstad, S. Marscher, A. Marti, J. Molina, S. Perucho, M. Rioja, M.	IAA Boston IAA Western Australia MPIfR Boston Boston Univ. of Valencia IAA Univ. of Valencia Western Australia	The mm-VBLI radio and its connection with gamma-ray flares in AGN jets		1	14	1.25
BH181	Hallinin, G. Bourke, S. Briskin, W. Deller, A. Harding, L. Konopacky, Q.	NRAO JIVE NRAO-Socorro NRAO Ireland Calif., Los Angeles	Dynamical Mass Measurement of a Brown Dwarf Binary System		6	5	5

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BH187	Hallinan, G. Bourke, S. Rupen, M.	Caltech JIVE NRAO-Socorro	Determining the nature of the 20-40 GHz radio emission from active M dwarfs		1,4	23,24	4
BI038	Immer, K. Menten, K. Reid, M. Sanna, A.	MPIfR MPIfR CfA MPIfR	3D Streaming Motions in the Nuclear Disk of the Milky Way		6	9	7
BK172	Koyama, S. Giovannini, G. Giroletti, M. Hada, K. Kino, M. Nagai, H. Ninuma, K. Orienti, M.	NAO INAF INAF NAO NAO NAO NAO INAF	Limits on the position wander of Mrk 501 core at 7mm		0.7	15	4
BK177	Barjraszewska, M. Ceglowski, M. Gawronski, M.	Nicolaus Copernicus Nicolaus Copernicus Nicolaus Copernicus	High resolution imaging of radio-loud compact BAL quasars-part II		6	6	9
BK178	Kellermann, K. Anderson, J. Edwards, P. Gurvits, L. Jauncey, D. Kardashev, N. Kovalev, Y. Lobanov, A. Romney, J. Schillizzi, R. Sokolovsky, K. Zensus, A.	NRAO MPIfR CSIRO JIVE CSIRO Lebedev Lebedev MPIfR NRAO-Socorro Jodrell Bank Lebedev MPIfR	Getting closer to SMBHs with the space VLBI interferometer Radio Astron-VLA		1	2,3	3.75
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	3
BL178	Lister, M. Aller, M. Chang, C. Gehrels, N. Hogan, B. Homan, D. Kadler, M. Kellermann, K. Kovalev, Y. Pushkarev, A. Ros, E. Savolainen, T. Zensus, A.	Purdue Mich., Ann Arbor MPIfR NASA Purdue Denison Univ. Nuremburg NRAO Lebedev MPIfR Univ. of Valencia MPIfR MPIfR	The VLBA 2cm MOJAVE/Fermi Program		2	10,28	48.50
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	1,15,22	30
BM353	Marscher, A. Agudo, I. Gomez, J. Hagen-Thorn, V. Jorstad, S. Larionov, V. MacDonald, N. Romney, J.	Boston IAA IAA St. Petersburg Boston IAA Boston NRAO-Socorro	Sub-parsec imaging of the Gamma-ray Emission Regions of Blazars		0.7	26	24
BM376	Mao, M. Blanchard, J. Momjian, E. Owen, F.	NRAO-Socorro Univ. of Tasmania NRAO-Socorro NRAO-Socorro	Why is there a giant radio source in a spiral galaxy?		20	31	3

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BN045	Niinuma, K. D'Ammando, F. Doi, A. Fujisawa, K. Giroletti, M. Hada, K. Kazunori, A. Kino, M. Koyama, S. Nagai, H. Orienti, M.	Yamaguchi Univ. INAF JAXA Yamaguchi Univ. INAF NAO NAO NAO NAO NAO INAF	Limits on the core position jitter of Mrk 421 at 1.3 cm		1	14	3
B0043	O'Sullivan, S. Tingay, S.	CSIRO Curtin Univ.	VLBI spectropolarimetry of the Centaurus A jet		6	11	15.9
BP164	Pen, U. Cotton, W. Lo, K.Y.	Toronto NRAO NRAO	Sgr A* rotation measure time variability		0.3,0.7	4	4
BP171	Petro, L.	Astrogeo	Low cost densification of the VLBA calibrator list		6	8,9,12	20
BR145	Reid, M. Bartkiewicz, A. Brunthaler, A. Choi, Y. Dame, T. Hachisuka, K. Menten, K. Moellenbrock, G. Moscadelli, L. Sanna, A. Sato, M. Xu, Y. Zhang, B. Zheng, Z.	Cfa Nicolaus Copernicus MPIfR MPIfR Cfa Shanghai MPIfR NRAO-Socorro INA INA Tokyo Chinese Academy Nanjing Nanjing Univ.	Mapping the Milky Way		1	25	7
BR173	Reid, M. Brunthaler, A.	Cfa MPIfR	Astrometry of Sgr A*: Preparing for the infall of a gas cloud		0.7,1	13,23	12
BR176	Rani, B. Fuhrmann, L. Hodgson, J. Jorstad, S. Krichbaum, T. Marscher, A. Zensus, A.	MPIfR MPIfR MPIfR Boston MPIfR Boston MPIfR	ToO observations of BL Lacertae to follow the onfoing historic outburst		0.3	18	8
BR178	Ransom, S. Archibald, A. Chatterjee, S. Deller, A. Hessels, J. Kaplan, D. Lorimer, D. Lynch, R. Stairs, I.	Uva McGill Univ. Cornell ASTRON NFRL Wiscon., Milwaukee West Virginia McGill Univ. British Columbia	Rapid astrometry of a millisecond pulsar in a stellar triple system		20	13	3
S4317	Chatterjee, S. Briskin, W. Cordes, J. Fernando, C. Fienga, A. Gullemot, L. Lazio, J. McLaughlin, M. Ransom, S. Smith, D. Theureau, G. Vlemmings, W.	Cornell NRAO-Socorro Cornell Columbia Obs. de Paris MPIfR JPL West Virginia NRAO Obs. de Paris Obs. de Paris Bonn	Precision Distances and Velocities for Fermi-Detected Radio Pulsars		20	11,21,22	15

Based on Actual Hours Observed

The average downtime was 16.76 hours 4.30%

Actual observing time was 373.86 hours

The VLBA was scheduled 100.00% of the time 672 hours of a possible 672 hours

Astronomical Observations = 58.01% (389.90 hours)
Tests and Calibrations = 8.35% (56.10 hours)
Maintenance = 9.93% (66.75 hours)
Number of unscheduled hours = 23.71% (159.30 hours)
Number of shutdown hours = 0.00% (00.00 hours)

Based on Scaled (128Mbps) Observing Hours

Number of scaled hours of astronomical observations = 2986.178hrs

Downtime = 4.30% (128.405654 hours)

Actual observing =2857.77234 hours

R. P.

VLBA Utilization Report January 2013

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
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	1	11.50
BB303	Brunthaler, A. Bower, G. Darling, J. Falcke, H. Garrett, M. Henkel, C. Loeb, A. Loinard, L. Menten, K. Oosterloo, T. Reid, M. Roediger, E. Sjouerman, L. Tarchi, A. van Gorkom, J.	MPiFR Calif., Berkeley Boulder Radboud Univ. NFRA MPiFR CfA UNAM MPiFR NFRL CfA Jacobs NRAO-Socorro INAF Columbia Univ.	Proper motion of galaxies in and beyond the local group		1	13,14,29	32
BB310	Brunthaler, A. Bower, G. Falcke, H. Henkel, C. Marti-Vidal, I. Menten, K. Reid, M.	MPiFR Calif., Berkeley Radboud MPiFR MPiFR MPiFR CfA	The Evolution of SN 2008iz in M82		4,6,13,20	28	12
BB313	Braatz, J. Condon, J. Greene, J. Henkel, C. Impellizzeri, V. Kuo, C. Lo, K.Y. Reid, M.	NRAO NRAO Princeton MPiFR NRAO UVa NRAO CfA	The Megamaser Cosmology Project V		1	2	8
BD152	Deller, A. Brisken, W. Chatterjee, S. Cordess, J. Goss, M. Kovalev, Y. Lazio, J. Petrov, L.	NRAO-Socorro NRAO-Socorro Cornell Cornell NRAO-Socorro Lebedev Inst. NRL NASA	PRsBI: Mapping the Galactic Distribution of pulsars with the VLBA		20	1,3,7,8,11, 14,18,19, 29	21.50
BH182	Haga, T. Doi, A. Hada, K. Kameno, S. Murata, Y. Sudou, H.	JAXA JAXA NAO Kagoshima Univ. JAXA Gifu Univ.	Multi-Frequency Astrometry of the Core Shift due to Free-Free Absorption		0.7,1,2,4, 6,13,20	24	12.50
BH187	Hallinan, G. Bourke, S. Rupen, M.	Caltech JIVE NRAO-Socorro	Determining the nature of the 20-40 GHz Radio Emission from Active M Dwarfs		1,4	12,18	4
BH190	Hayashi, T. Doi, A. Nagai, H.	NAO JAXA NAO	Probing Nuclear Environment of a Broad Absorption Line Quasar J1159+0112		1,2	31	3
BL175	Loinard, L. Briceno, C. Dzib, S. Evans, N. Hartmann, L. Mioduszewski, A. Peach, 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	9,25	3.5

VLBA Utilization Report January 2013

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BL178	Lister, M. Aller, M. Chang, C. Gehrels, N. Hogan, B. Homan, D. Kadler, M. Kellermann, K. Kovalev, Y. Kovatta, T. Pushkarev, A. Ros, E. Savolainen, T. Zensus, A.	Purdue Mich., Ann Arbor MPIFR NASA Purdue Denison Univ. Nuremburg NRAO Lebedev Purdue MPIFR Univ. of Valencia MPIFR MPIFR	The VLBA 2cm MOJAVE/Fermi Program		2	5,21	48.25
BM350	Ma, C. Behrend, D. Boboltz, D. Fey, A. Fomalont, E. Gaume, R. Gipson, J. Gordon, D. Johnston, K. Kingham, K. MacMilan, D. Ojha, R. Thomas, C. Walker, C.	NASA NASA USNO USNO NRAO USNO NASA NASA USNO USNO NASA USNO NASA NRAO-Socorro	VLBA Goedesy/Astrometry Observations for 2011		4,13	9	24
BM352	Melis, C. Bower, G. Miodusewski, A. Reid, M. Stauffer, J.	Calif., San Diego Calif., Berkeley NRAO-Socorro CfA Caltech	A VLBA Resolution of the Pleiades Distance Controversy		4	4,11,17,25	40
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	15	24.25
BM360	Middleberg, E. Best, P. Briskin, W. Carilli, C. Deller, A. Momjian, E. Norris, R. Schinnerer, E. Scoville, N. Smolcic, V.	Ruhr-Bochum Edinburgh NRAO-Socorro NRAO-Socorro ASTRON NRAO-Socorro ATNF MPIA Caltech ESO	The incidence and evolution of AGN in 2865 COSMOS radio sources		20	2,4,7,11,13,16,17,20,21	54.00
BM376	Mao, M. Blanchard, J. Momjian, E. Owen, F.	NRAO Tasmania NRAO-Socorro NRAO-Socorro	Why is there a giant radio source in a spiral galaxy?		4	21,27,31	6.25
BM378	Marecki, A.	Nicolaus Copernicus	Restarted activity in J142735.6+263214, a giant source identified with a QSO		6,20	26	6
B0042	Orienti, M. Ajello, M. D'Ammando, F. Giroletti, M.	INAF SLAC INAF INAF	The Radio Emission of the gamma-ray flaring RSRQ at the highest redshift		1,2,4	13	2
B0043	O'Sullivan, S. Tingay, S.	ATNF Curtin Univ.	VLBI spectropolarimetry of the Centaurus a Jet		6	27	6
B0045	Orienti, M. D'Ammando, F. Dallascasa, D. Giroletti, M.	INAF INAF INAF INAF	Investigating the radio properties of the gamma-ray candidate NLS1 J1548+3511		2,4,6	2	5

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BR145	Reid, M. Bartkiewicz, A. Brunthaler, A. Choi, Y. Dame, T. Hachisuka, K. Menten, K. Moellenbrock, G. Moscadelli, L. Sanna, A. Sato, M. Xu, Y. Zhang, B. Zheng, X.	CfA Nicolaus Copernicus MPIfR MPIfR CfA Shanghai MPIfR NRAO-Socorro Arcetri Arcetri Tokyo Chinese Academy Nanjing Nanjing	Mapping the Milky Way		1	7	7
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	19	12.50
BR169	Reines, A. Deller, A.	NRAO ASTRON	Imaging the AGN in the Nearby Dwarf Starburst Galaxy Henize 2-10		20	9	5
BW098	Walker, C. Beilicki, M. Cheung, T. Giroletti, M. Hardee, P. Harris, D. Junor, B. Krawczynski, H. Ly, C. Mazin, D. McConville, W. Raue, M. Wagner, R. Wagner, S.	NRAO-Socorro Wash., St. Louis NRL INAF Tuscaloosa CfA LANL Wash., St. Louis STScI Max-Planck Inst. Maryland Univ. of Hambrug Max-Planck Inst. Max-Planck Inst.	Pinpointing the Location of TeV Flares in M87		4,13	12	11
S4317	Chatterjee, S. Briskin, W. Cordes, J. Fernando, C. Fienga, A. Gullemot, L. Lazio, J. McLaughlin, M. Ransom, S. Smith, D. Theureau, G. Vlemmings, W.	Cornell NRAO-Socorro Cornell Columbia Obs. de Paris MPIfR JPL West Virginia NRAO Obs. de Paris Ods. de Paris Bonn	Precison Distances and Velocities for Fermi-Detected Radio Pulsars		20	8,14	6

Based on Actual Hours Observed

The average downtime was 10.92 hours 2.70%

Actual observing time was 393.52 hours

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

Astronomical Observations = 54.36% (404.45 hours)
Tests and Calibrations = 10.73% (79.80 hours)
Maintenance = 10.62% (79.00 hours)
Number of unscheduled hours = 24.29% (180.75 hours)
Number of shutdown hours = 0.00% (00.00 hours)

Based on Scaled (128Mbps) Observing Hours

Number of scaled hours of astronomical observations = 3152.826hrs

Downtime = 2.70% (85.126302 hours)

Actual observing =3067.69969 hours