

VLBA Utilization Report December 2008

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BB240	Bower, G.C. Bolatto, A. Ford, E. Kalas, P.	Calif.-Berkeley Calif.-Berkeley CfA/Florida Calif.-Berkeley	RIPL: Radio Interferometric PLANet Search		3.6 with GB	1, 6, 9, 13, 20, 27	48.0
BB242	Braatz, J.A. Greenhill, L.J. Condon, J.J. Reid, M. Henkel, C. Lo, K.Y.	NRAO-GB CfA NRAO-CV CfA MPIfR NRAO-CV	The Megamaser Cosmology Project		1.3 line With GB, EB	10	11.5
BB262	Boboltz, D. Driebe, T. Ohnaka, K. Scholz, M. Wittkowski, M.	USNO MPIfR MPIfR Heidelberg ESO	Polychromatic interferometry of the Mira variable stars R Cnc and X Hya		0.7	30	5.0
BB264	Busch, M. Kulkarni, S. Ostro, S. Benner, L. Giorgini, J. Nolan, M.	Caltech Caltech JPL JPL JPL Arecibo	Radar-VLBI Observations of Near-Earth Asteroids 4179 Toutatis and 2008 EV5		13 With GB	23, 24	3.0
BC184	Claussen, M. Morris, M. Sahai, R.	NRAO UCLA JPL	Acceleration, Genesis, and expiration of water maser features in shaping flows of pre-planetary nebulae		1	31	1.0
BD141	Deller, A. Archibald, A. Briskin, W. Chatterjee, S. Kaspi, V. Lorimer, D. McLaughlin, M. Ransom, S. Stairs, I.	NRAO McGill NRAO Sydney McGill West Virginia Univ. West Virginia Univ. NRAO British Columbia	Exploratory obs. for a VLBA parallax of the binary MSP J1023+0038		20	16	4.0
BF092	Vish, V. Reid, M.	NRAO CfA	OH Maser motions as kinematic tracers in massive star forming regions		20	1, 15	6.0
BG192	Gabuzda, D. Christodoulou, D. Contopoulos, I. Kazanas, D. Mahmund, M.	Cord UMASS Athens NASA Cord	Rotation measure gradient reversals test magnetic tower models		1,2,4,6,0. 7	5	24.0
BJ065	Johnston, K. Fey, A. Ma, C. Gordon, D. Boboltz, D. Ojha, R. Gaume, R. Kingham, K. Behrend, D. Gipson, J. MacMillan, D. Petrov, L. Fomalont, E. Walker, C.	USNO USNO NVI-GSFC USNO USNO USNO USNO NVI-GSFC NVI-GSFC NVI-GSFC NVI-GSFC NVI-GSFC NRAO-CV NRAO-Socorro	VLBA geodesy/astrometry observations for 2008		3.6 With HoKkNyTsVa WfWzZc	17 Scheduled as RDV72	48.0
BJ068	Johnston, K. Boboltz, D. Fey, A. Fomalont, E. Ojha, R.	USNO USNO USNO NRAO USNO	AGN Core wander and the stability of the celestial reference frame		1.7	20,22	16.0
BL151	Lanyi, G. Boboltz, D. charlot, P. Fey, A. Fomalont, E. Gordon, D. Ma, C. Romney, J. Sovers, O. Taylor, G.	JPL USNO Bordeaux USNO NRAO GSFC NASA NRAO Remote Sensing UNM	High precision K/Q-band astrometry		1	18	24.0
B0033	O'Sullivan, S. Gabuzda, D.	Cork Cork	Rotation measure distribution in AGN jets from 8 to 300 GHz		1,2,4,6,0. 7	7	24.0
BP143	Piner, B.G. Edwards, P.G.	Whittier CSIRO	High bandwidth, high resolution obs. of TeV blazars		0.7	4	8.0

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BR130	Alelr, H.D. Aller, M. Angelakis, A. Chang, C.S. Fuhrmann, L. Irwin, J. Kadler, M. Kaufmann, S. Kerp, J. Kovalev, Y.Y. Marscher, A.P. Tueller, J. Weaver, K. Zensus, J.A.	Michigan Michigan MPIfR MPIfR Michigan GSFC Heidelberg Argelander MPIfR Boston GSFC GSFC MPIfR	NGC 1052, the key to explore the disk jet connection in AGN continuation of the VLBA campaign		0.7, 1	5	6.0
BS176	Schaefer, G. Prato, L. Zavala, B.	STSci Lowell USNO	Trigonometric parallax of young triple stars Elias 12		4	10	10.0
S1136	Marscher, A. Chatterjee, S. D'Arcangelo, F. Gear, W. Gomez, J.L. Hagen-Thorn, V. Jorstad, S.	Boston Boston Boston Cardiff IAA St. Petersburg Boston	Probing blazars through multiwaveband variability of flux, polarization, and structure		0.7	21	24.0
	Staff	NRAO	Maintenance				84.5

Based on Actual Hours Observed

The average downtime was 14.84 hours 6.0%

Actual observing time was 232.42 hours

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

Astronomical Observations = 33.23% (247.25 hours)
 Tests and Calibrations = 12.72% (94.65 hours)
 Maintenance = 7.39% (55.00 hours)
 Number of unscheduled hours = 42.35% (315.10 hours)
 Number of Shutdown hours = 0.04% (32.00 hours)

 Based on Scaled (128Mbps) Observing Hours

Number of scaled hours of astronomical observations = 486.22 hrs

Downtime = 6.00% (29.17 hours)

Actual observing = 457.05 hours

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BA089	Algaba, J.C. Gabuzda, D. Smith, P.S.	Cork Cork Arizona	Searching for high core faraday rotation in objects with high optical polariz		0.7, 1.3, 2	1	24.0
BB240	Bower, G.C. Bolatto, A. Ford, E. Kaas, P.	Calif.-Berkeley Calif.-Berkeley CfA/Florida Calif.-Berkeley	RIPL: Radio Interferometric Planet Search		3.6 With GB	1, 5, 7, 15, 18, 21, 29	72.0
BB242	Braatz, J.A.		The Megamaser Cosmology Project		1.3 line With GB, maybe EB	19	12.0
BB257	Boden, A. Akeson, R. Boboltz, D. Johnston, K. Sargent, A.	Caltech Caltech USNO USNO Caltech	VLBA Imaging of two pre-main sequence T Tauri binary systems		4	18	8.0
BB264	Busch, M. Kulkarni, S. Ostro, S. Benner, L. Giorgini, J. Nolan, M.	Caltech Caltech JPL JPL JPL Arecibo	Radar-VLBI Observations of Near-Earth Asteroids 4179 Toutatis and 2008 EV5			21, 22, 23, 24	7.0
BC184	Claussen, M. Morris, M. Sahai, R.	NRAO UCLA Caltech	Acceleration, Genesis, and expiration of water maser features in the shaping flows of pre-planetary nebulae		1	4,30	12.0
BC186	Cheung, C.C. Harris, D.E.	NASA SAO	Tracking the aftermath of giant flare in the M87 jet		20	29	7.75
BG189	Gupta, N. Noterndame, P. Petitjean, P. Srianand, R.	ATNF IAP IAP IUCAA	VLBA Radio structure and detectability of 21cm absorption at $z \sim 1.3$		20	7	14.0
BI036	Imai, H. Deguchi, S. Diamond, P.J. Kwok, S. Nakashima, J.	Kagoshima Nobeyama Jodrell Bank Hong Kong Hong Kong	Proper motions of the H ₂ O masers in the water fountain source IRAS 18460-0151		1	18	7.0
BI037	Imai, H. Deguchi, S. Diamond, P.J. Kwok, S. Nakashima, J.	Kagoshima Nobeyama Jodrell Bank Hong Kong Hong Kong	Annual parallax distance and orbit of the water fountain source IRAS 18286-0959		1	28	6.0
BJ061	Jones, D. Border, J. Dhawan, V. Fomalont, E. Preston, B. Romney, J. Standish, M.	JPL JPL NRAO NRAO JPL NRAO JPL	Improvement of the Saturn ephemeris through VLBA obs. of Cassini spacecraft		4	11	3.75
BK154	Kharb, P. Croston, J. Hardcastle, M. Hota, A. Kraft, R.	Purdue Hertfordshire Hertfordshire ASIAA CfA	Discerning the true nature of radio bubbles in Seyfert galaxies		20,6	13	14.0
BL149	Kijima, M.	NAO	High resolution image of flared NRAO 512		2	19,26	48.0
BL160	Loinard, L. Mioduszewski, A. Rodriguez, L.F. Torres, R.M.	UNAM NRAO UNAM UNAM	Measuring the distance to the Serpens core with 1% precision		4	29	5.0
BM269	Moscadelli, L. Cesaroni, R. Goddi, C. Reid, M. Rioja, M.	Arcetri Arcetri CfA CfA OAN	Distance to the high mass protostar IRAS 20126+4104		1	5	10.0
BM272	Menten, K. Brunthaler, A. Moscadelli, L. Reid, M. Xu, Y. Zheng, X.W.	MPIFR MPIFR Arcetri CfA MPIFR Nanjing	Parallaxes to outer galaxy H ₂ O masers		1	10,11	20.0

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BM286	Moscadelli, L. Beltran, M.T. Cesaroni, R. Codella, C. Sanna, A. Sanna, A. Zhang, Q.	INAF Barcelona INAF INAF INAF Cfa	G31.41+0.31 high mass core		1	23	8.0
BM290	Miller-Jones, J.C.A Rupen, M.P. Mioduszewski, A.J. Dhawan, V. Gallo, G. Jonker, P.G. Brisken, W.	NRAO-CV NRAO-Socorro NRAO-Socorro NRAO-Socorro Calif.-Santa Barbara SRON NRAO-Socorro	Direct geometric distance to a quiescent black hole X-ray binary		3.6 With GB, Y27	17	5.0
BR129	Reid, M. Brunthaler, A. Menten, K. Moscadelli, L. Xu, Y. Zheng, X.W.	Cfa MPIfR MPIfR Arcetri Nanjing Nanjing	Spiral structure and kinematics of the Milky Way		2	31	3.5
BT097	Torres, R.M. Loiuard, L. Mioduszewski, A. Rodriguez, L.F.	UNAM UNAM NRAO UNAM	Distance to, and structure of Ophiuchus star forming region		4	14	6.0
BZ036	Zhang, B. Reid, M. Zheng, X.	Nanjing Cfa Nanjing	Trigonometric parallax for the luminous supergiant NML cygni		1, 0.7	8	7.0
S1040	Jorstad, S.G. Marscher, A.P.	Boston Univ. Boston Univ.	High resolution mapping of the gamma-ray emission regions in blazar jets			3	16.0
S1136	Marscher, A. Chatterjee, R. D'Arcangelo, F. Gear, W. Gomez, J.L. Hagen-Thorn, V. Jorstad, S.	Boston Boston Boston Cardiff IAA St. Petersburg Boston	Probing blazars through multiwaveband variability of flux, polarization, and structure		0.7	16	24.0
	Staff	NRAO	Maintenance				394.0

Based on Actual Hours Observed

The average downtime was 7.07 hours 2.20%

Actual observing time was 314.43 hours

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

Astronomical Observations = 44.60% (321.50 hours)
 Tests and Calibrations = 14.50% (104.10 hours)
 Maintenance = 14.10% (101.60 hours)
 Number of unscheduled hours = 23.40% (168.80 hours)
 Number of Shutdown hours = 0.03% (24.00 hours)

 Based on Scaled (128Mbps) Observing Hours

Number of scaled hours of astronomical observations = 726.81 hrs

Downtime = 2.20% (15.99 hours)

Actual observing = 710.82 hours

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BB240	Bower, G.C. Bolatto, A. Ford, E. Kalas, P.	Calif.-Berkeley Calif.-Berkeley CfA/Florida Calif.-Berkeley	RIPL: Radio Interferometric Planet Search		3.6 With GB	1, 4, 26	24.0
BB257	Boden, A. Boboltz, D. Johnston, K. Sargent, A. Akeson, R.	USNO USNO Caltech Calif.-Berkeley	VLBA Imaging of two pre-main-sequence T Tauri binary systems		3.6 with GB	7	5.0
BB263	Borthakur, S. Bowen, D. Tripp, T. York, D. Yun, M.	UMass Princeton UMass Chicago UMass	21cm Absorption spectroscopy of disk/halo gas in nearby galaxies		20	7	2.0
BD128	Desmurs, J.-F. Alcolea, J. Bujarrabal, V. Jimenez-Esteban, F. Sanchez-contreras,	OAN OAM OAN OAN CSIC/DAMIR	Proper motion of H2O maser emission in the pPN OH231.8+4.2		1	18	8.0
BF092	Fish, V. Reid, M.J.	NRAO CfA	OH maser motions as kinematic tracers in massive star forming regions		20	1,15	7.5
BG189	Gupta, N. Noterdaeme, P. Petitjean, P. Srianand, R.	ATNF IAP IAP IUCAA	VLBA Radio structure and detectability of 21cm absorption at z~1.3		20	28	5.0
BH161	Hough, D.H.	Trinity	Acceleration on scales of 10-100 parsecs in lobe-dominated quasars?		2,4	21	8.0
BK150	Kovalev, Y.Y.	MPfR	Physics of GLAST year 1 early data release AGN		1,2,4,6,0. 7	2,23	28.0
BK153	Kanekar, N. Lane, W. Momjian, E.	NRAO NRL NRAO	Compact structure of QSOs behind damped Lyman-alpha systems		90	7,8	6.75
BL149	Lister, M. Cooper, N. Fromm, C. Kuchibhotla, H.	Purdue Purdue MPfR Purdue	MOJAVE/GLAST Program		2	3	24.0
BL155	Loinard, L. Mioduszewski, A. Rodriguez, L. Torres, R.A.	UNAM NRAO UNAM UNAM	Obtaining the distance to Cepheus to a few percents precision		4	8	5.0
BM272	Menten, K. Brunthaler, A. Moscadelli, L. Reid, M. Xu, Y. Zheng, X.W.	MPfR MPfR Arcetri CfA MPfR Nanjing	Parallaxes to outer galaxy H2O masers: the Rotation Curve of the Milky Way		1	23	9.0
BP150	Pihlstrom, Y. Claussen, M. Day, F. Sahai, R.	UNM NRAO UNM Caltech	Parallax and OH and H2O maser studies of water fountain PPNe		1,20	26	8.0
BR129	Reid, M. Brunthaler, A. Menten, K. Moscadelli, L. Xu, Y. Zheng, X.W.	CfA MPfR MPfR Arcetri Nanjing Nanjing	Spiral structure and kinematics of the Milky Way		2	31, 6	14.5
BR130	Kadler, M. Ros, E. Aller, H.D. Aller, M. Angelakis, E. Chang, C.S. Fuhrmann, L. Irwin, J. Kaufmann, S. Kerp, J. Kovalev, Y.Y. Marscher, A. Tueller, J. Weaver, K.A. Zensus, J.A.	GSFC MPfR Michigan Michigan MPfR MPfR MPfR Michigan Heidelberg Argelander Inst. MPfR Boston GSFC GSFC MPfR	NGC 1052, Key to explore the disk-jet connection in AGN continuation of the VLBA campaign		1, 0.7	7	6.0
BR134	Reid, M. Brunthaler, A. Menten, K.	CfA MPfR MPfR	Mapping the Sagittarius Sprial Arm		1	19,22	18.0

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BW077	Walker, R.C. Benson, J. Hardee, P.	NRAO NRAO Alabama	Constraining a possible helical flow in 3C 120 at 1.7 GHz		20	9	12.5
GA024	Agudo, I.	IAA	3mm GMVA polarimetric monitoring of NRAO 150		0.3 Correlatio n at Bonn	13	19.0
GB060	Bach, U. Bach, U. Middelburg, E. Alef, W. Krichbaum, T.P. Witzel, A. Zensus, J.A.	MPIfR MPIfR Bochum MPIfR MPIfR MPIfR MPIfR	Measuring the counter-jet speed in Cygnus A		0.7	16	15.75
GB067	Bietenholz, M.F. Bartel, N. Rupen, M.P.	Hartebeesthoek York U. NRAO-Socorro	SN 1986J: Evolution of complex supernova		6 with Eb Wb JB On Mc Nt Tr	25	18.0
GC027	Cawthorne, T.V. Sokolov, A. Marscher, A.P. Jorstad, S.G. Krichbaum, T.P.	Central Lancashire Central Lancashire Boston Univ. Boston Univ. MPIfR	Structural variation in core of BL lac		0.3, 0.7 Correlatio n at Bonn	9	14.0
GC031	Conway, J.E. Hurley, R. Diamond, P.J. Parra, R. Lonsdale, C.J. Thrall, H. Lonsdale, C.J.	Onsala Onsala Jodrell Bank Catholic Univ. Haystack Jodrell Bank Haystack	Monitoring of variable compact sources in Arp 220		6 Correlatio n at JIVE	24	8.0
GG070	Gioletti, M. Giovannini, G. Perez-Torres, M.A.	Bologna Bologna IAA	Global millimeter VLBI array observations of EGRET BL Lacs		0.3 Correlatin at Bonn	10	15.0
GK036	Krichbaum, T.P. Bach, U. Agudo, I. Dodson, R. Bremer, M.	MPIfR MPIfR IAA OAN IRAM	Polarimetric monitoring of BL Lac object 0716+714		0.3 Correlatio n at Bonn	11	12.0
GK040	Kadler, M. Krichbaum, T.P. Ros, E. Kovalev, Y.Y. Fuhrmann, L. Perucho, M. Agudo, I. Marscher, A.P. Jorstad, S.G.	NASA-GSFC MPIfR MPIfR MPIfR MPIfR MPIfR IAA Boston Univ. Boston Univ.	Following up a major flux-density outburst of 3C111		0.3 Correlatio n at Bonn	15	15.5
GL029	Lee, S.-S. Krichbaum, T.P. Lobanov, A. Alef, W. Witzel, A. Zensus, J.A.	MPIfR MPIfR MPIfR MPIfR MPIfR MPIfR	Monitoring of galaxy 3C 84		0.3 Correlatio n at Bonn	11	11.5
GM063	Marscher, A. Krichbaum, T. Jorstad, S. Fuhrmann, L. Kovalev, Y. Savolainen, T. Agudo, I. Bremer, M.	Boston Univ. MPIfR Boston Univ. MPIfR MPIfR MPIfR IAA IRAM	3mm imaging of gamma-ray blazars		0.3 Correlatio n at Bonn	11	48.0
GW019	Wucknitz, O. Volino, F. Porcas, R. McKean, J.P. Impellizzeri, V. Brunthaler, A. Castangia, P. Garrett, M.A. Henkel, C. Munoz, J. Ros, E. Roy, A.	Bonn Bonn MPIfR MPIfR MPIfR MPIfR MPIfR NFRA MPIfR Cfa MPIfR MPIfR	Revealing the secrets of gravitational lens MGJ0414+0534		3.6, 18 Correlatio n at JIVE	19	14.0
S1040	Jorstad, S.G. Marscher, A.P.	Boston Univ. Boston Univ.	High resolution mapping of the gamma-ray emission regions in blazar jets			21, 24, 30	48.0

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	Staff	NRAO	Polarization Calibration Maintenance		0.3		5.5 158.0

Based on Actual Hours Observed

The average downtime was 12.243 hours 2.80%

Actual observing time was 424.76 hours

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

Astronomical Observations = 58.74% (437.00 hours)
 Tests and Calibrations = 9.31% (69.25 hours)
 Maintenance = 7.31% (54.4 hours)
 Number of Unscheduled hours = 24.64% (183.35 hours)
 Number of Shutdown hours = 0% (0 hours)

 Based on Scaled (128Mbps) Observing Hours

Number of scaled hours of astronomical observations = 916.66 hrs

Downtime = 2.80% (25.66 hours)

Actual observing = 916.66 hours

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
AD592	Dougherty, S. Dhawan, V. Grundstrom, E. McSwain, V. Ransom, S. Ray, P. Roberts, M.	NRC NRAO Georgia State Lehigh NRAO NRL Eureka	LSI 61 303 and its unusual high-energy outburst of Sept. 10, 2008		13,4	14	6.0
BA088	Angelakis, E. Kraus, A. Krichbaum, T. Perucho, M.	MPIfR MPIfR MPIfR MPIfR	High angular resolution imaging of the extreme high frequency peaker 025515+0037		0.7, 1.3 With GB	26	5.0
BB240	Bower, G.C. Bolatto, A. Ford, E. Kalas, P.	Calif., Berkeley Calif., Berkeley CfA Calif., Berkeley	RIPL: Radio Interferometric Planet Search		3.6 With GB	3, 6, 11, 17	32.0
BB258	Brunthaler, A. Menten, K. Oosterloo, T. Reid, M. Roediger, E. vanGorkom, J.	MPIfR MPIfR ASTRON CfA Jacobs Univ. Columbia	Galaxy Motions in the Virgo Cluster		1,4	20	10.0
BC184	Claussen, M. Morris, M. Sahai, R.	NRAO-Socorro UCLA Caltech	Acceleration, Genesis, and Expiration of Water Maser Features in the shaping flows of Pre-Planetary Nebulae		1	25	6.0
BD128	Desmurs, J.-F. Alcolea, J. Bujarrabal, V. Jimenez-Esteban, F. Sanchez-Contreras,	OAM OAM OAN OAM CSIC	Proper motion of H2O maser emission in pPN OH231.8+4.2		1	1	8.0
BD134	Dougherty, S. Beasley, A.J. Claussen, M.J. Kennedy, M. Pittard, J.M.	NRC NRAO-Santiago NRAO-Socorro Victoria Leeds	Wind-collision evolution in WR140		0.7, 1.3, 2, 3.6, 6, 18	27 With Y1	12.0
BF092	Fish, V. Reid, M.	NRAO CfA	OH Maser motions as Kinematic tracers in massive star forming regions		20	15,19	7.5
BI036	Imai, H. Deguchi, S. Diamond, P. Kwok, S. Nakashima, J.	Kagoshima Nobeyama Manchester Univ. Hong Kong Univ. Hong Kong	Proper motions of the H2O masers in the water fountain source IRAS 18460-0151		1	5	7.0
BI037	Imai, H. Deguchi, S. Diamond, P. Kwok, S.	Kagoshima Nobeyama Manchester Univ. Hong Kong	Annual parallax distance and orbit of the water fountain source IRAS 18286-0959		1	29	6.0
BJ065	Johnston, K. Behrend, D. Boboltz, D. Fey, A. Fomalont, E. Gaume, R. Gipson, J. Gordon, D. Kingham, K. Ma, C. MacMillan, D. Ojha, R. Petrov, L. Walker, C.	USNO GSFC USNO USNO NRAO-CV USNO GSFC GSFC USNO NASA GSFC USNO GSFC NRAO-Socorro	VLBA geodesy/astrometry observations for 2008		3.6 With HoKkNyTsVa WfWzZc	3 Scheduled as RDV71	24.0
BK148	Kunert-Bajraszewska Gawronski, M.	Torun Torun	First multi-frequency obs. of compact radio-loud BAL quasars		4,6	6,7	26.75

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BK150	Kovalev, Y.Y. Falcone, A. Fuhrmann, L. Gehrels, N. Gionni, P. Jorstad, S. Kadler, M. Konopello, A. Lister, M. Lobanov, A. Lott, B. Madejski, G. Marscher, A. Paneque, D. Ros, E. Savolainen, T. Sokolovsky, K. Taylor, G. Tosti, G. Zensus, J.A.	MPIfR Penn State MPIfR NASA ASI Boston NASA Purdue Purdue MPIfR CENBG Stanford Boston Stanford MPIfR MPIfR MPIfR UNM Perugia MPIfR	Physics of GLAST year 1 early data release AGN		1,2,4,6,7	2,5	21.0
BL149	Lister, M. Cooper, N. Fromm, C. Kuchibhotla, H.	Purdue Purdue MPIfR Purdue	High resolution image of flared NRA0512 at K,Q,W-Band		2	12	24.0
BL160	Loinard, L. Mioduszewski, A. Rodriguez, L. Torres, R.M.	UNAM NRAO UNAM UNAM	Measuring the distance to the Serpens cores with 1% precision		4	15	5.0
BM256	Marscher, A. Chatterjee, R. D'Arcangelo, F. Gear, W. Gomez, J.L. Hagen-Thorn, V. Jorstad, S.	Boston Boston Boston Cardiff IAA St. Petersburg Boston	Probing blazars through multi-waveband variability of flux, polarization, and structure		0.7	10	24.0
BM284	Momjian, E. Riechers, D. Carilli, C.	Arecibo MPIA NRAO-Socorro	Testing the AGN vs. AGN+starburst hypothesis in two z~6 QSOs		18 With AR, GB, Y27	29	11.0
BM286	Moscadelli, L. Beltran, M. Cesaroni, R. Codella, C. Sanna, A. Zhang, Q.	INAF Barcelona INAF INAF INAF CfA	G31.41+0.31 high mass core		20	26	8.0
BP137	Palmer, P. Goss, W.M.	Chicago NRAO	Astrometric study of the 6-cm excited source OH masers in DR21EX		6	15	10.0
BP146	Piner, B.G. Edwards, P.	Whittier CSIRO	Multi-epoch monitoring of recently detected TeV blazars		1,4	19	15.0
BR129	Reid, M. Brunthaler, A. Menten, K. Moscadelli, L. Xu, Y. Zheng, X.W.	CfA MPIfR MPIfR Arcetri Nanjing Nanjing	Spiral structure and kinematics of the Milky Way		2	13,21	18.0
BR130	Ros, E. Aller, H.D. Aller, M. Angelakis, E. Chang, C.S. Fuhrmann, L. Irwin, J. Kadler, M. Kaufmann, S. Kerp, J. Kovalev, Y.Y. Marscher, A. tueller, J. Weaver, K.A. Zensus, J.A.	MPIfR Michigan Michigan MPIfR MPIfR MPIfR Michigan NASA Heidelberg Argelander MPIfR Boston NASA NASA MPIfR	NGC 1052, the Key to explore the jet disk connection in AGN continuation of VLBA Campaign		0.7, 1	6	6.0
	Staff	NRAO	Maintenance				76.5

Based on Actual Hours Observed

The average downtime was 6.43 hours 2.20%

Actual observing time was 285.82 hours

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

Astronomical Observations	=	40.59%	(292.25 hours)
Tests and Calibrations	=	11.86%	(85.41 hours)
Maintenance	=	10.63%	(76.50 hours)
Number of Unscheduled hours	=	36.92%	(265.85 hours)
Number of Shutdown hours	=	0%	(0 hours)

Based on Scaled (128Mbps) Observing Hours

Number of scaled hours of astronomical observations = 522.99 hrs

Downtime = 2.20% (11.51 hours)

Actual observing = 511.48 hours

VLBA Utilization Report August 1908

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BB240	Bower, G.C. Bolatto, A. Ford, E. Kalas, P.	Calif.-Berkeley Calif.-Berkeley CfA/Florida Calif.-Berkeley	RIPL: Radio Interferometric Planet Search		3.6 With GB	1, 8, 11, 15, 18, 23, 29	48.0
BB258	Brunthaler, A. Menten, K. Oosterloo, T. Reid, M. Roediger, E. vanGorkom, J.	MPIfR MPIfR ASTRON CfA Jacobs Univ. Columbia	Galaxy motions in the Virgo Cluster		1.4	18,22	20.0
BC174	Cawthorne, T. Paragi, Z. Pooley, G. Rushton, A. Spencer, R.	Lancashire JIVE Cambridge Manchester Manchester	Spectral evolution of components in SS433		13,20,4,6	8,10	19.5
BC184	Claussen, M. Morris, M. Sahai, R.	NRAO UCLA Caltech	Acceleration, Genesis, and Expiration of water maser features in the shaping flows of pre-planetary nebulae		1	3,28	12.0
BH146	Horiuchi, S. Brisken, W. Tingay, S.	Swinburne NRAO Swinburne	Precession of the parsec-scale jet in the BL Lac object PKS 0003-066		1,4,6,0.7	4	8.0
BH151	Harris, D.E. Cheung, C.C.	CfA GSFC	Measuring the decay phase of the giant flare in Knot 'HST-1' of the M87 jet		20	12	7.75
BH157	Hallinan, G. Brisken, W. Bourke, S. Doyle, G. Antonova, A. Golden, A.	NUI, Galway NRAO-Socorro NUI Armagh Armagh Ireland-Galway	Using the HSA to resolve two binary ultracool dwarf systems		3.6, 6 With AR, EB, GB, Y27	3	2.5
BI035	Imai, H.	Kagoshima U.	Proper motions of the W43A SiO masers		0.7 line With GB, Y27	29	6.0
BJ061	Jones, D. Border, J. Dhawan, V. Fomalnot, E. Preston, B. Romney, J. Standish, M.	JPL JPL NRAO NRAO JPL NRAO JPL	Improvement of the Saturn Ephemeris thru VLBA obs. of the Cassini Spacecraft		4	1	4.0
BK148	Kunert-Bajraszewska Gawronski, M.	Torun Torun	First multi-frequency obs. of compact radio-loud BAL quasars		4,6	27,30	28.0
BL149	Kijima, M.	NAO	High resolution imaging of flared RNA0512		2	6,25	48.0
BM256	Marscher, A.P. Chatterjee, R. D'Arcangelo, F. Gear, W. Gomez, J.L. Hagen-Thorn, V. Jorstad, S.	Boston Boston Boston Cardiff IAA St. Petersburg Boston	Probing blazars through multi-waveband variability of flux, polarization, and structure		0.7	15	24.0
BM267	Mutel, R. Gudel, M. Peterson, W.	Iowa Paul Scherrer Iowa	Time-Lapse Imaging of Algol's Radio Magnetosphere		2 With EB, GB, Y27	17	12.0
BM269	Moscadelli, L. Cesaroni, R. Goddi, C. Reid, M. Rijoa, M-J.	Arcetri Arcetri CfA CfA OAN	Distance to the high mass protostar IRAS 20126+4104		1	2	10.0
B0031	Osten, R. Ojha, R. Ngoc, P.	Maryland USNO Central Florida	Ultracool dwarfs at high spatial resolution		3.6, 6 With AR, EB, GB, Y27	3	4.25
BS160	Chen, X. Jiang, D. Shen, Z.	ShAO ShAO ShAO	Simultaneous VLBA Obs. of three 7mm SiO masers toward VX Sgr at five epochs		0.7	5	8.0
BS176	Schaefer, G. Prato, L. Zavala, B.	STScI Lowell USNO	Trigonometric parallax of the young triple star Elias 12		4	28	10.0
BT097	Torres, R.M. Loinard, L. Mioduszewski, A. Rodriguez, L.F.	UNAM UNAM NRAO-Socorro UNAM	Distance to, and structure of the Ophiuchus star-forming region		4	19	6.0
BZ036	Reid, M. Zhang, B. Zheng, X.	CfA Nanjing Nanjing	Trigonometric parallax for luminous supergiant MML Cygni		1, 0.7	13	7.0

VLBA Utilization Report August 1908

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
	Staff	NRAO	Maintenance				229.0

Based on Actual Hours Observed

The average downtime was 13.39 hours 4.70%

Actual observing time was 271.60 hours

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

Astronomical Observations = 38.31% (285.00 hours)
 Tests and Calibrations = 16.71% (124.30 hours)
 Maintenance = 11.06% (82.30 hours)
 Number of Unscheduled hours = 33.92% (252.40 hours)
 Number of Shutdown hours = 0% (0 hours)

 Based on Scaled (128Mbps) Observing Hours

Number of scaled hours of astronomical observations = 572.46 hrs

Downtime = 4.70% (26.90 hours)

Actual observing = 545.55 hours

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VLBA Utilization Report July 2008

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BA078	Agudo, I. Bach, U. Gomez, J.L. Krichbaum, T. Roy, A.L. Witzel, A. Zensus, J.A.	MPIfR Torino IAA, Granada MPIfR MPIfR MPIfR	Monitoring NRAO 150 with multi-frequency polarimetry		1,2,0.7	5	12.0
BB240	Bower, G.C. Bolatto, A. Ford, E. Kalas, P.	Calif.-Berkeley Calif.-Berkeley CfA/Florida Calif.-Berkeley	RIPL: Radio Interferometric Planet Search		3.6 With GB	1, 8, 14, 19, 24	48.0
BB253	Bietenholz, M. Bartel, N. Fesen, R. Milisavljevic, D.	York U. York U. Dartmouth Dartmouth	An image of a ~75-year old supernova remnant in NGC 4449		18 With EB, GB	19	12.0
BB265	Brunthaler, A. Menten, K. Reid, M.	MPIfR MPIfR CfA	Calibrator search near water masers in the outer galaxy		1	23	4.0
BD134	Dougherty, S.M. Pittard, J.M. Kennedy, M. Beasley, A.J. Claussen, M.J.	NRC Leeds Victoria NRAO-Santiago NRAO-Socorro	Wind-collision evolution in WR140		0.7, 1.3, 2, 3.6, 6, 18	29 With Y1	12.0
BI035	Imai, H. Deguchi, S. Nakashima, J. Diamond, P.J.	Kagoshima U. NAOJ-Nobeyama Hong Kong Jodrell Bank	Proper motions of the W43A SiO masers		0.7 With GB, Y27	21	6.0
BJ065	Johnston, K. Fey, A. Ma, C. Gordon, D. Boboltz, D. Ojha, R. Gaume, R. Kingham, K. Behrend, D. Gipson, J. MacMillan, D. Petrov, L. Fomalont, E. Walker, C.	USNO USNO GSFC NVI-GSFC USNO USNO USNO USNO NVI-GSFC NVI-GSFC NVI-GSFC NASA-GSFC NRAO-CV NRAO-Socorro	VLBA geodesy/astrometry observations for 2008		3.6 With HhKkNyOnVa WfWzZc	9 Scheduled as RDV70	24.0
BL149	Lister, M. Cooper, N. Fromm, C. Kuchibhotla, H.	Purdue Purdue MPIfR Purdue	VLBA 2cm MOJAVE/GLAST Program		2	17,30	48.0
BL151	Layni, G. Charlot, P. Fomalont, E. Gordon, D. Ma, C. Romney, J. Sovers, O. Taylor, G.	JPL Bordeaux NRAO USNO GSFC NRAO RSAS UNM	High precision K/Q-band astrometry		1	10	24.0
BL155	Loinard, L. Mioduszewski, A. Torres, R.A.	UNAM NRAO UNAM	Obtaining the distance to Cepheus to a few percents precision		4	17	5.0
BM256	Marscher, A.P. Chatterjee, R. D'Arcangelo, F. Gear, W.K. Gomez, J.L. Hagen-Thorn, V. Jorstad, S.	Boston Boston Boston Cardiff Boston St. Petersburg Boston	Probing blazars thru multi-waveband variability of flux, polarization, and structure		0.7	6	24.0
BM267	Mutel, R. Gudel, M. Peterson, W.	Iowa Paul Scherrer Iowa	Time-Lapse Imaging of Algol's Radio Magnetosphere		2 With EB, GB, Y27	4, 12, 27	36.0
BM291	Marvil, J. Summer Students	NRAO NRAO	Imaging young star binary V773 Tau		2,4	6	4.0

VLBA Utilization Report July 2008

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BR130	Ros, E. Tueller, J. Aller, H.D. Aller, M. Angelakis, E. Chang, C. Fuhrmann, L. Irwin, J. Kadler, M. Kaufmann, S. Kerp, J. Kovalev, Y.Y. Marscher, A.P. Weaver, K. Zensus, J.A.	MPIfR GSFC Michigan Michigan MPIfR MPIfR MPIfR Michigan GSFC Heidelberg Argelander MPIfR Boston GSFC MPIfR	NGC1052, the key to explore the disk-jet connection in AGN		1, 0.7	26	6.0
BY122	Yusef-Zadeh, F. Reid, M. Cotton, W. Roberts, D. Wardle, M. Genzel, R. Menten, K.	Northwestern Cfa NRAO-CV Northwestern Macquarie MPE MPIfR	Simultaneous VLA and VLBA monitoring of flare emission from Sgr A*		0.3, 0.7	25, 26	15.5
	Staff	NRAO	Maintenance				79.0

Based on Actual Hours Observed

The average downtime was 20.76 hours 7.40%

Actual observing time was 259.74 hours

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

Astronomical Observations = 37.70% (280.50 hours)
 Tests and Calibrations = 17.82% (132.60 hours)
 Maintenance = 10.62% (79.00 hours)
 Number of Unscheduled hours = 33.86% (251.90 hours)
 Number of Shutdown hours = 0% (0 hours)

 Based on Scaled (128Mbps) Observing Hours

Number of scaled hours of astronomical observations = 596.77 hrs

Downtime = 7.40% (44.16 hours)

Actual observing = 552.61 hours

VLBA Utilization Report June 2008

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BA084	Agudo, I. Gomez, J.L. Jorstad, S. Marscher, A. Martí, J.M. Perucho, M. Roca, M. Roy, A.	IAA IAA Boston Boston Valencia MPIfR IAA MPIfR	Astrometric monitoring of wobbling jets in blazars		0.7	14	16.0
BB240	Bower, G.C. Bolatto, A. Ford, E. Kalas, P.	Calif.-Berkeley Calif.-Berkeley CfA/Florida Calif.-Berkeley	RIPL: Radio Interferometric PLANet Search		3.6 With GB	15,16	16.0
BB250	Boyce, E. Stroman, W. Myers, S.T. Browne, I.W.A. Jackson, N.	Jodrell Bank Iowa NRAO-Socorro Manchester Manchester	A Deep Observation of J0316+4328, a Candidate "Asymmetric Double" Gravitational		3.6 With EB, GB, Y27	22	4.0
BB258	Brunthaler, A. Menten, K. Oosterloo, T. Reid, M. Roediger, E. vanGorkom, J.	MPIfR MPIfR Dwingeloo CfA Jacobs Univ. Columbia	Galaxy motions in the Virgo Cluster		1,4	8	10.0
BC184	Claussen, M. Morris, M. Sahai, R.	NRAO UCLA Caltech	Acceleration, Genesis, and Expiration of water maser features in the shaping flows of pre-planetary nebulae		1	23	6.0
BD128	Desmurs, J.-F. Alcolea, J. Bujarrabal, V. Jimenez-Esteban, F. Sanchez-Contreras,	OAM OAM OAM OAM CSIC	Proper motion of H2O maser emission in the pPN OH231.8+4.2		1	23	8.0
BD134	Dougherty, S.M. Pittard, J.M. Kennedy, M. Beasley, A.J. Claussen, M.J.	NRC Leeds Victoria NRAO-Santiago NRAO-Socorro	Wind-collision evolution in WR140		2, 3.6, 6 With Y1	2	12.0
BF092	Fish, V. Reid, M.J.	NRAO CfA	OH Maser motions in kinematic tracers in massive star forming regions		20	8	3.0
BJ061	Jones, D. Border, J. Dhawan, V. Fomalont, E. Preston, B. Romney, J. Standish, M.	JPL JPL NRAO NRAO JPL NRAO JPL	Improvement of Saturn Ephemeris through VLBA Obs. of Cassini Spacecraft		4	13	4.0
BL149	Lister, M. Cooper, N. Fromm, C. Kuchibhotla, H.	Purdue Purdue MPIfR Purdue	VLBA 2cm MOJAVE/GLAST Program		2	25	24.0
BL155	Loiuard, L. Mioduszewski, A. Rodriguez, L.F. Torres, R.A.	UNAM NRAO UNAM UNAM	Obtaining the distance to Cepheus to a few percents precision		4	30	5.25
BL160	Loiuard, L. Mioduszewski, A. Rodriguez, L.F. Torres, R.M.	UNAM NRAO UNAM UNAM	Measuring the distance to the Serpens core with 1% precision		4	29	5.0
BM256	Marscher, A.P. Chatterjee, R. D'Arcangelo, F. Gear, W.K. Gomez, J.L. Hagen-Thorn, V. Jorstad, S.	Boston Boston Boston Cardiff IAA St. Petersburg Boston	Probing blazars through multi-waveband variability of flux, polarization, and structure		0.7	12	24.0
BM267	Mutel, R. Gudel, M. Peterson, W.	Iowa Paul Scherrer Iowa	Time-Lapse Imaging of Algol's Radio Magnetosphere		2 With EB, GB, Y27	19	12.0
BP147	Pihlstrom, Y. Day, F. Sjouwerman, L.	UNM UNM NRAO	M-0.13-0.08: Cloud feeding the galactic center?		1	22	6.0

VLBA Utilization Report June 2008

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BR125	Robishaw, T. Heiles, C. Sarma, A. Bower, G.C. Quataert, E.	Calif.-Berkeley Calif.-Berkeley De Paul Calif.-Berkeley Calif.-Berkeley	The New Extragalactic Magnetometer: Zeeman Splitting in OH Megamasers		18 with AR, GB, Y27	20	14.0
BR130	Kaufmann, S. Ros, E. Aller, H.D. Aller, M. Angelakis, E. Chang, C.S. Fuhrmann, L. Irwin, J. Kadler, M. Kerp, J. Kovalev, Y.Y. Marscher, A. Tueller, J. Weaver, K.A. Zensus, J.A.	Heidelberg MPIfR Michigan Michigan MPIfR MPIfR MPIfR Michigan NASA Argelander Inst. MPIfR Boston NASA NASA MPIfR	NGC 1052, Key to explore the disk-jet connection i AGN continuation of the VLBA Campaign		0.7, 1	16	6.0
BS176	Schaefer, G. Prato, L. Zavala, B.	STSci Lowell USNO	Trigonometric parallax of the young triple star Elias 12		4	4	10.0
BT094	Taylor, G. Blandford, R. Fassnacht, C. Gehrels, N. Healey, S. Helmboldt, J. Michelson, P. Myers, S. Pearson, T. Readhead, T. Romani, R. Sjouerman, L. Tremblay, S. Walker, C. Weintraub, L.	UNM Stanford Calif., Davis NASA Stanford NRL Stanford NRAO Caltech Caltech Stanford NRAO UNM NRAO Caltech	Evolution of burgeoning active nuclei		2,4,6	26	17.0
BT097	Torres, R.M. Loinard, L. Mioduszewski, A. Rodriguez, L.F.	UNAM UNAM NRAO UNAM	Distance to, and structure of the Ophiuchus star forming region		4	3	6.0
BY124	Yun, M. Borthakur, S. Bowen, D. Tripp, T. York, D.	UMass UMass Princeton UMass Chicago	Probing the distribution and physical characteristics of HI clouds in galaxy halos		20	15,16	16.0
GC031	Conway, J.E. Hurley, R. Diamond, P.J. Parra, R. Lonsdale, C.J. Thrall, H. Lonsdale, C.J.	Onsala Onsala Jodrell Bank Catholic Univ. Haystack Jodrell Bank Haystack	Monitoring of variable compact sources in Arp 220		6 For correlation at JIVE	10	8.0
GM064	Miller-Jones, J.C.A. Rupen, M.P. Mioduszewski, A.J. Dhawan, V. Gallo, E.	NRAO-CV NRAO-Socorro NRAO-Socorro NRAO-Socorro Calif.-Santa Barbara	Exploring the production of jets in a quiescent black hole X-ray binary		1.3 With EbJbOnMcNt MhRoGby27	1	18.50
GW019	Wucknitz, O. Volino, F. Porcas, R. McKean, J.P. Impellizzeri, V. Brunthaler, A. Castangia, P. Garrett, M.A. Henkel, C. Munoz, J. Ros, E. Roy, A.	JIVE Argelander MPIfR MPIfR MPIfR MPIfR MPIfR NFRA MPIfR Cfa MPIfR MPIfR	Revealing the secrets of gravitational lens MGJ0414+0534		18 For correlation at JIVE	7	14.0
	Staff	NRAO	Maintenance				92.0

Based on Actual Hours Observed

The average downtime was 17.47 hours 6.60%

Actual observing time was 247.28 hours

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

Astronomical Observations	=	36.77%	(264.75 hours)
Tests and Calibrations	=	26.16%	(188.35 hours)
Maintenance	=	9.44%	(68.00 hours)
Number of Unscheduled hours	=	27.63%	(198.90 hours)
Number of Shutdown hours	=	0%	(0 hours)

Based on Scaled (128Mbps) Observing Hours

Number of scaled hours of astronomical observations = 468.37 hrs

Downtime = 6.60% (30.91 hours)

Actual observing = 437.46 hours

VLBA Utilization Report May 2008

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BB240	Bower, G.C. Bolatto, A. Ford, E. Kalas, P.	Calif.-Berkeley Calif.-Berkeley CfA/Florida Calif.-Berkeley	RIPL: Radio Interferometric PLANet Search		3.6 With GB	16, 24, 30	24.0
BB242	Braatz, J.A. Greenhill, L.J. Condon, J.J. Reid, M. Henkel, C. Lo, K.Y.	NRAO-GB CfA NRAO-CV CfA MPIfR NRAO-CV	The Megamaser Cosmology Project		1.3 With GB	23	12.0
BB255	Brunthaler, A. Reid, M. Henkel, C. Menten, K. Bower, G. Falcke, H.	MPIfR CfA MPIfR MPIfR Calif.-Berkeley Nijmegen	Measuring the orbits of M81 and M82		1.3, 2, 3.6 With EB, GB, Y27	2, 3	23.75
BB259	Bietenholz, M. Soderberg, A. Bartel, N.	York U. Caltech York U.	Is the transient in NGC2770 a relativistic SN explosion?		6, 3.6 With EB, Y27	21	12.0
BC170	Creel, B. Claussen, M. Pihlstrom, Y. Sahai, R.	UNM NRAO UNM JPL	Parallax measurements of Proto-planetary and young planetary nebulae		1,20	27	8.0
BC174	Cawthorne, T. Paragi, Z. Pooley, G. Rushton, A. Spencer, R.	Lancashire JIVE MRAO Manchester Manchester	Spectral evolution of components in SS433		13,20,4,6	3,4,8,14	32.75
BC184	Claussen, M. Morris, M. Sahai, R.	NRAO UCLA Caltech	Acceleration, Genesis, and Expiration of water maser features in shaping flows of pre-planetary nebulae		1	26	6.0
BD120	Doeleman, S. Boyce, E. Rogers, A.E. Lonsdale, C.J. Winn, J.N. Myers, S.T.	Haystack Jodrell Bank Haystack Haystack MIT NRAO-Socorro	Search for Central Gravitational Lens Images using Digital VLBI Backends		6	17	19.0
BD135	Dhawan, V. Romney, J. Ulvestad, J. Fomalont, E.	NRAO-Socorro NRAO-Socorro NRAO-Socorro NRAO-CV	Phoenix Mars Lander VLBA astrometry demonstration		3.6	6,10,14,17 ,19,20,22, 23,25	21.0
BH151	Harris, D.E. Cheung, C.C.	SAO GSFC	Measuring the decay phase of the giant flare in knot 'HST-1' of the M87 Jet		20	27	7.75
BI037	Imai, H. Deguchi, S. Diamond, P. Kwok, S. Nakashima, J.	Kagoshima Nobeyama Manchester Hong Kong Hong Kong	Annual parallax distance and orbit of the water fountain source IRAS 18286-0959		1	29	6.0
BJ062	Johnston, K. Boboltz, D. Fey, A. Ojha, R.	USNO USNO USNO USNO	High precision astrometry of the RS CVn Star SZ Psc		4	22	9.0
BJ065	Johnston, K. Fey, A. Ma, C. Gordon, D. Boboltz, D. Ojha, R. Gaume, R. Kingham, K. Behrend, D. Gipson, J. MacMillan, D. Petrov, L. Fomalont, E. Walker, C.	USNO USNO NASA NVI-GSFC USNO USNO USNO USNO NVI-GSFC NVI-GSFC NVI-GSFC NASA-GSFC NRAO-CV NRAO-Socorro	VLBA geodesy/astrometry observations for 2008		3.6	14	24.0
BL149	Lister, M. Cooper, N. Fromm, C. Kuchibhotla, H.	Purdue Purdue MPIfR Purdue	VLBA 2cm MOJAVE/GLAST Program		2	1,30	48.0
BL161	Loinard, L. Mioduszewski, A. Rodriguez, L.F. Torres, R.M.	UNAM NRAO UNAM UNAM	What is the orbit of T Tau Sb?		4	29	7.0

VLBA Utilization Report May 2008

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BM257	McClintock, J. Dhawan, V. Narayan, R. Reid, M. Remillard, R.	CfA NRAO CfA CfA MIT	Is the black hole in the microquasar GRS1915+105 Spinning maximally?		1	1	8.0
BM269	Moscadelli, L. Cesaroni, R. Godidi, C. Reid, M. Rioja, M.J.	Arcetri Arcetri CfA CfA OAN	Distance to the high-mass protostar IRAS 20126+4104		1	24	10.0
BM272	Menten, K. Brunthaler, A. Moscadelli, L. Reid, M. Xu, Y. Zheng, X.W.	MPIFR MPIFR Arcetri CfA MPIFR Nanjing	Parallaxes to outer galaxy H30 masers:rotation curve of the milky way		1	26	9.0
BR120	Aller, H.D. Aller, M. Angelakis, E. Irwin, J. Kadler, M. Kaufmann, S. Kerp, J. Kovalev, Y.Y. Marscher, A. Ros, E. Weaver, K. Zensus, J.	Michigan Michigan MPIFR Michigan GSFC Argelander Argelander NRAO Boston MPIFR GSFC MPIFR	NGC 1042, key to explore the disk-jet connection in AGN continuation of VLBA Campagin		1, 0.7	27	6.0
BR130	Ros, E. Aller, H.D. Aller, M. Angelakis, E. Chang, C.S. Fuhrmann, L. Irwin, J. Kadler, M. Kaufmann, S. Kerp, J. Kovalev, Y.Y. Marscher, A. Tueller, J. Weaver, K.A. Zensus, J.A.	MPIFR Michigan Michigan MPIFR MPIFR MPIFR Michigan GSFC Heidelberg Argelander MPIFR Boston GSFC GSFC MPIFR	NGC 1052, key to explore the disk-jet connection in AGN continuation of the VLBA campaign		1, 0.7	4	6.0
BT094	Taylor, G. Blandford, R. Fassnacht, C. Gehrels, N. Healey, S. Helmboldt, J. Michelson, P. Myers, S. Pearson, T. Readhead, T. Romani, R. Sjouwerman, L. Tremblay, S. Walter, C. Weintraub, L.	UNM Stanford Calif., Davis NASA Stanford NRL Stanford NRAO Caltech Caltech Stanford NRAO UNM NRAO Caltech	Evolution of burgeoning active galactic nuclei		2,4,6	15	17.0
BW089	Wrobel, J.M. Ho, L.C.	NRAO-Socorro Carnegie Obs.	Radio Emission from the Intermediate-Mass Black Hole in NGC 4395		18 With AR, EB, GB, Y27	4	8.0
BY122	Yusef-Zadeh, F. Reid, M. Cotton, W. Roberts, D. Wardle, M. Genzel, R. Menten, K.	Northwestern CfA NRAO-CV Northwestern Macquarie MPE MPIFR	Simultaneous VLA and VLBA monitoring of flare emission from Sgr A*		0.3, 0.7	5, 6, 10, 11	26.0
BZ036	Zhang, B. Reid, M. Zheng, X.	Nanjing CfA Nanjing	Trigonometric parallax for luminous supergiant NML Cygni		1, 0.7	25	7.0

VLBA Utilization Report May 2008

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
GA024	Agudo, I. Roy, A. Gomez, J.L. Bach, U. Marscher, A.	IAA MPIfR IAA MPIfR Boston	3mm GMVA polarimetric monitoring of NRAO 150		0.3 Correlation in Bonn	9	15.0
GC027	Cawthorne, T.V. Sokolov, A. Marscher, A.P. Jorstad, S.G. Krichbaum, T.P.	Central Lancashire Central Lancashire Boston Univ. Boston Univ. MPIfR	Structural variation in core of BL lac		0.3, 0.7 Correlation in Bonn	12	23.50
GG068	Giroletti, M. Giovannini, G. Perez-Torres, M.A. Cotton, B. Chiaberge, M. Feretti, L.	Bologna Bologna IAA NRAO-CV Bologna Bologna	Global mm VLBI array observation of Markarian 501		0.3 Coreelation in Bonn	9	10.0
GK036	Krichbaum, T.P. Bach, U. Agudo, I. Dodson, R. Bremer, M.	MPIfR MPIfR IAA ISAS IRAM	Polarimetric monitoring of BL Lac object 0716+714		0.3 Correlation in Bonn	12	12.0
GK037	Kudryavtseva, N. Britzen, S. Krichbaum, T.P. Witzel, A. Zensus, J.A. Larionov, V.M. Hagen-Thorn, V.	MPIfR Heidelberg MPIfR MPIfR MPIfR St. Petersburg St. Petersburg	Monitoring of BL Lac object S5 1803+784		0.3 Correlation in Bonn	13	12.0
GK040	Kadler, M. Krichbaum, T.P. Ros, E. Kovalev, Y.Y. Fuhrmann, L. Perucho, M. Agudo, I. Marscher, A.P. Jorstad, S.G.	NASA-GSFC MPIfR MPIfR MPIfR MPIfR MPIfR IAA Boston Univ. Boston Univ.	Following up a major flux-density outburst of 3C111		0.3 Correlation in Bonn	11	12.5
GL029	Lee, S.-S. Krichbaum, T.P. Lobanov, A. Alef, W. Witzel, A. Zensus, J.A.	MPIfR MPIfR MPIfR MPIfR MPIfR MPIfR	Monitoring of galaxy 3C 84		0.3 Correlation in Bonn	10	15.0
	Staff	NRAO	Maintenance				95.4

Based on Actual Hours Observed

The average downtime was 18.29 hours 4.0%

Actual observing time was 438.96 hours

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

Astronomical Observations = 61.46% (457.25 hours)
 Tests and Calibrations = 7.21% (53.65 hours)
 Maintenance = 12.82% (95.4 hours)
 Number of Unscheduled hours = 18.51% (137.7 hours)
 Number of Shutdown hours = 0% (0 hours)

 Based on Scaled (128Mbps) Observing Hours

Number of scaled hours of astronomical observations = 970.98 hrs

Downtime = 4.0% (38.84 hours)

Actual observing = 932.14 hours

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BB240	Bower, G.C. Bolatto, A. Ford, E. Kalas, P.	Calif.-Berkeley Calif.-Berkeley CfA/Florida Calif.-Berkeley	RIPL: Radio Interferometric Planet Search		3.6 With GB	5, 8, 15, 23, 26, 29	48.0
BB242	Braatz, J.A. Greenhill, L.J. Condon, J.J. Reid, M. Henkel, C. Lo, K.Y.	NRAO-GB CfA NRAO-CV CfA MPIfR NRAO-CV	The Megamaser Cosmology Project		1.3 line with GB	12, 13, 16, 19	60.0
BC184	Claussen, M. Morris, M. Sahai, R.	NRAO-Socorro UCLA Caltech	Acceleration, Genesis, and Expiration of Water maser features in the shaping flows		1	7	6.0
BD125	Dodson, R. Alcolea, J. Bujarrabal, V. Colomer, F. Rioja, M.J. Soriz-Ruiz, R.	OAN OAN OAN OAN OAN JIVE	Frequency phase transfer astrometry to align AGB star maser images		.3, .7	16	6.0
BD128	Desmurs, J.F. Alcolea, J. Bujarrabal, V. Jimenez-Esteban, F. Sanchez-Contreras,	OAM OAM OAN OAM CSIC	Proper motion of H2O maser emission in the pPN OH231.8+4.2		1	19	8.0
BF092	Fish, V. Reid, M.	NRAO CfA	OH Maser motions as kinematic tracers in massive star forming regions		20	9	4.0
BI037	Imai, H. Deguchi, S. Diamond, P. Kwok, S. Nakashima, J.	Kagoshima Nobeyama Jodrell Bank U.Hong Kong U.Hong Kong	Annual parallax distance and orbit of the water fountain source IRAS 18286-0959		1	21	6.0
BJ065	Johnston, K. Fey, A. Ma, C. Gordon, D. Boboltz, D. Ojha, R. Gaume, R. Kingham, K. Behrend, D. Gipson, J. MacMillan, D. Petrov, L. Fomalont, E. Walker, C.	USNO USNO NASA NVI-GSFC USNO USNO USNO USNO NVI-GSFC NVI-GSFC NVI-GSFC NASA-GSFC NRAO-CV NRAO-Socorro	VLBA geodesy/astrometry observations for 2008		3.6 With HhKKNyOnVa WfWzZc	2 Scheduled as RDV68	24.00
BK151	Kovalev, Y. McKean, J. Petrov, L.	MPIfR MPIfR NASA	Follow up on a serendipitous discovery of a lens candidate		2,6,20	7	4.0
BL155	Loinard, L. Mioduszewski, A. Rodriguez, L.F. Torres, R.	UNAM NRAO UNAM UNAM	Obtaining the distance to Cepheus to a few percents precision		4	5	5.0
BL156	Loinard, L. Torres, R.M. Mioduszewski, A.J. Rodriguez, L.F.	UNAM UNAM NRAO-Socorro UNAM	Competing the VLBA mapping of nearby star-forming regions		3.6 With GB	20	8.0
BM257	McClintock, J. Dhawan, V. Narayan, R. Reid, M. Remillar, R.	CfA NRAO CfA CfA MIT	Is the black hole in the microquasar GRS1915+105 spinning manually?		1	30	8.0
BM267	Mutel, R. Gudel, M. Peterson, W.	Iowa Paul Scherrer Iowa	Time-Lapse Imaging of Algol's Radio Magnetosphere		2 With EB, GB, Y27	6	12.0

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BM282	Marcaide, J. Alberdi, A. Beswick, R. Guirado, J.c. Immler, S. Marti-Vidal,, I. Panagia, N. Pedlear, A. Shapiro, I.I. Sramek, D. Stockdale, C. VanDyk, S. Weiler, K.W.	Valencia IAA Manchester Valencia GSFC Valencia ESA-STSI Manchester CfA NRAO Marquette Caltech NRL	SN2008ax at 1.3 cm		1	2	12.0
BM283	Momjian, E. Baes, M. Bendo, G. Bertoldi, F. Falony, S. Garcia-Appadoo, D. Hirota, A. Kuno, N. Lundgren, A. Minchin, R. Vlahakis, C.	NRAO Ghent Imperial College Bonn Ghent ESO Tokyo Nobeyama ESO NAIC Leiden	1.4 GHz VLBA Imaging of M104's nucleus		20	26	3.0
BO030	Orienti, M. Dallacasa, D.	IAC Bologna	The individual hotspot-core separation velocity influence of the ISM?		3.6, 6, 18 With Y1	27	12.0
BP137	Palmer, P. Goss, M.	Chicago NRAO	Astrometric study of the 6-cm excited state OH masers in DR21EX		6	12	10.0
BR120	Aller, H. Aller, M. Angelakis, E. Irwin, J. Kadler, M. Kerp, J. Kovalev, Y.Y. Marscher, A. Ros, E. Weaver, K. Zensus, J.	Michigan Michigan MPIfR Michigan GSFC Argelander Inst. Lebedev Boston MPIfR GSFC MPIfR	NGC 1052, the key to explore the disk-jet connection in AGN continuation of the VLBA Campaign		0.7, 1	4	6.0
BR129	Reid, M. Brunthaler, A. Menten, K. Menten, K. Moscadelli, L. Xu, Y. Zheng, X.W.	CfA MPIfR MPIfR MPIfR Arcetri Nanjing Nanjing	Spiral structure and kinematics of the Milky Way		2 1	17,18,24,2 5	36.0
BS172	Savolainen, T. Rastorgueva, E. Takalo, L. Valtaoja, E. Wiik, K.	Tuorla Tuorla Tuorla Tuorla	Multi-frequency polarimetric VLBA monitoring of OJ287 during the predicted outburst		1,2,3,4,.7	17	8.0
BW090	Walker, C. Hardee, P. Junor, B. Ly, C.	NRAO Alabama LLNL UCLA	Understanding fast motions in the jet collimation region of M87		0.7	5	10.0
S90644	Osten, R. Huenemoeder, D. Testa, P. Schulz, N. Staff	Maryland MIT MIT MIT NRAO	Polar Exploration and Coronal Structure in the Active Binary HR 5110 Maintenance		3.6	4, 6	24.0 65.75

Based on Actual Hours Observed

The average downtime was 7.68 hours 2.40%

Actual observing time was 312.32 hours

The VLBA was scheduled 100.0% of the time 720 hours of a possible 744 hours

Astronomical Observations	=	44.44%	(320.00 hours)
Tests and Calibrations	=	11.42%	(82.25 hours)
Maintenance	=	9.13%	(65.75 hours)
Number of Unscheduled hours	=	35.00%	(252.00 hours)
Number of Shutdown hours	=	0%	(0 hours)

Based on Scaled (128Mbps) Observing Hours

Number of scaled hours of astronomical observations = 708.37 hrs

Downtime = 2.40% (17.00 hours)

Actual observing = 691.37 hours

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AA318	Araya, E. Goss, M. Hofner, P. Kurtz, S. Linz, H. Olmi, L. Sewilo, M.	NRAO NRAO NRAO UNAM MPIA Arcetri STScI	Origin of maser flares in IRAS 18566+0408		21,22	2.87
AB1272	Venturi, T. Brunetti, G. Cassano, R. Giacintucci, S. Kassim, N. Lane, W.	INAF INAF Bologna INAF NRL NRL	Particle re-acceleration in galaxy clusters: Abell 521	90	1	3.55
AB1286	Bietenholz, M. Bartel, N. Safi-Harb, S. Matheson, H.	York U. York U. Manitoba Manitoba	Search for the Supernova Shell in the Young SNR G21.5-0.9	20 line	17	5.94
AB1288	Brown, J. Brown, A. Blake, G.	Caltech Colorado Caltech	Determining the large dust grain properties of transitional disks	0.7	29	9.46
AC888	Claussen, M. Bond, H. Healy, K. Starrfield, S.	NRAO STScI ASU ASU	Continuing monitoring of SiO masers in V838 Monocerotis	0.7	1	.50
AC921	Chynoweth, K. Langston, G.	Vanderbilt NRAO	HI Clouds in M81/M82 Group	20	29	1.40
AC924	Chevalier, R. Fransson, C. Soderberg, A.	Virginia Stockholm Princeton	VLA Obs. of a bright radio and X-ray Type II Supernova 2006jd	6,20	7	2.69
AE165	Emonts, B. van Gorkom, J. Morganti, R. Oosterloo, T. van Moorsel, G. Tadhunter, C.	Columbia Columbia ASTRON ASTRON NRAO-Socorro Sheffield	Tidal HI structures in powerful radio galaxies:studying the FR-I/FR-II dichotomy	20 line	13, 31	19.18
AF466	Fomalont, E. Bagri, D. Majid, W.	NRAO JPL JPL	Finding survey for a sample 1-20 mJy sources at 8 GHz	3.6, 20	1,4	7.91
AG761	Govoni, F. Feretti, L. Giovannini, G. Taylor, G.B. Pihlstrom, Y. Gentile, G. Murgia, M. Orru', E. Allen, S. Ebeling, H.	IRA-Bologna Bologna Bologna UNM UNM New Mexico Bologna INAF Stanford Hawaii	Magnetic field power spectrum in the distant galaxy cluster MACS J0717.5+3745	6	23	3.54
AG778	Govoni, F. Giovannani, G. Bonafede, A. Feretti, L.	INAF INAF INAF INAF	A1213:a low luminosity X-ray cluster with a possible halo	20	6	1.96
AG779	Galvan-Madrid, R. Ho, P. Rodriguez, L.	UNAM Cfa UNAM	Flux-variation trend of G24 A1: how is the accretion rate changing?	0.7, 6	18	1.93
AG780	Gentile, G. Jozsa, G.	New Mexico Bonn Univ.	Structure, kinematics and properties of dwarf galaxies with giant HI disks	20 line	1, 2	15.96
AG793	Green, D. Harrus, I. Hwang, U. Kazimierz, B. Petre, R. Reynolds, S.	Cambridge NASA NASA North Carolina NASA North Carolina	Expansion of the very young SNR G1.9+0.3	6,20	12	1.0
AH927	Hunter, D. Elmegreen, B. Simpson, C. Walter, F. Brinks, E. Young, L. Westpfahl, D. Rupen, M.	Lowell Obs. IBM Florida Int. MPIA Hertfordshire NMINT NMINT NRAO-Socorro	The LITTLE THINGS Survey	20 line LARGE	...	61.07
AH958	Hunter, D. Elmegreen, B. Anderson, E.	Lowell Obs. IBM Northern Arizona	Extreme Outer Stellar Disks	20 line	18	4.86

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AH962	Hofner, P. Araya, E. Anderson, C. Kurtz, S. Rodriguez, L. Garay, G.	NMIMT NMIMT NMIMT UNAM UNAM Chile	The Accretion Disk Around the Massive Protostar IRAS18566+0408	0.7	25	7.53
AH968	Hooper, E. Liu, C.	Wisconsin Univ.NYC	Radio properties of E&A galaxies: AGN and ongoing star formation	20	15,22	0.92
AI124	Iverson, R. Stevens, J. Page, M. Biggs, A.	ROE MRAO Lancaster Royal Obs.	VLA imaging of a star-forming filament at high redshift	3.6	24, 25	18.70
AJ337	Johnston, K. Shepherd, D.	St. Andrews NRAO-Socorro	The affect of UCHII regions & stellar winds on ionized outflows of B protostars	0.7, 3.6, 6	9, 9, 11	14.62
AJ345	Jackson, J. Finn, S. Stojimirovic, I. Chambers, E.	Boston Boston Boston Boston	The Transition from High-mass Protostars to High-Mass Stars in IRDC Cores	3.6	24	5.46
AK679	Koerding, E. Dhawan, V. Fender, R. Knigge, C. Rupen, M.	Southampton NRAO Southampton Southampton NRAO	Transient radio emission from cataclysmic variables	3.6, 6	28	.96
AK681	Frail, D. Cenko, B. Chandra, P. Fox, D. Harrison, F. Kasliwal, M. Kulkarni, S.	NRAO Caltech Uva Pennsylvania Caltech Caltech Caltech	GRBs:Engines, Energetics (and Enigmas)	3.6	1,21,26	1.90
AK683	Krips, M. Koenig, S. Eckart, A. Bertram, T.	Cfa Cologne Cologne Cologne	Mapping HI in three nearby low-luminosity QSO host galaxies as a pilot study	20 line	11, 11	11.68
AK686	Kim, K-T. Kurtz, S.	KASI UNAM	Water masers in high mass outflow regions	1.3	17	0.97
AL719	Liu, C.	UNY	Archetypal E&A galaxy G515	20	18	1.0
AL720	Lommen, D. van Dishoeck, E. Wright, C. Maddison, S. van Langevelde, H.	Leiden Leiden New South Wales Swinburne JIVE	A multi-wavelength study of grain growth in protoplanetary disks	0.7, 1.3, 3.6, 6	10, 11, 13, 14, 15	24.71
AM901	Monnier, J. Danchi, W. Greenhill, L. Tuthill, P.	Ann Arbor NASA Cfa Sydney	Orbital period and fundamental parameters of colliding wind WR112	3.6	26	0.85
AM930	Montes, G. Alberdi, A. Perez-Torres, M.	UNAM IAA IAA	Disentangling the nature of radio emission in WR Binary Stars	1.3, 6	5,7,8	10.08
AM932	Andreani, P. DeBreuck, C. DeZotti, G. Magliocchetti, M. Zwaan, M.	ESO ESO Padovani ESO ESO	Assessing the nature of radio emission in z~2 Spitzer galaxies	6	5,6,7	9.28
AM938	Mittal, R. Clarke, T. Hudson, D. Nulsen, P. Reiprich, T.	Bonn NRL Bonn Cfa Bonn	Scrutinizing the AGN regulated feedback in galaxy clusters	90	29	6.09
AM941	Mangum, J. Darling, J. Menten, K. Henkel, C.	NRAO-CV Colorado MPIfR MPIfR	Formaldehyde Densitometry of Starburst Galaxies	2, 6 line	1, 2	3.85
AM947	Mason, P. Singh, K. Harrison, T. Howell, S. Girish, V. Saikia, D.	NMSU TIFR NMSU NOAO Tata Inst. NCRA-Pune	Phased Resolved Observations of the Highest Field Polar AR UMa	3.6, 6, 20	13	6.72

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AO215	Ott, J. Skillman, E. Dalcanton, J. Walter, F. Koribalski, B. West, A.	ATNF Minnesota Washington MPIA ATNF Calif.-Berkeley	VLA and HST: Star Formation History and ISM Feedback in Nearby Galaxies	20 line LARGE	8, 14, 15, 15, 30	34.75
AO227	O'Neil, K. van Driel, W. Schneider, S.	NRAO-GB Paris Obs. Massachusetts	Star Formation in the Most Massive Low Surface Brightness Galaxies	20 line	21	8.44
AO228	Osorio, M. Torrelles, J. Anglada, G. Gomez, J.	IAA IEEC-Barcelona IAA IAC	A Test for the Disk Candidate around the High-Mass Protostar Cep A HW2	1.3 line	28	5.19
AO230	O'Dea, C. Kharb, P. Daly, R. Baum, S.	Rochester Purdue Penn State Rochester	High Redshift Powerful Radio Galaxies	20	9, 10	3.85
AP537	Pandian, J. Menten, K. Mojjian, E. Xu, Y.	MPIfR MPIfR Arecibo MPIfR	Determining the SED of 6.7 GHz methanol masers	1.3	22	3.60
AR642	Rupen, M. Dhawan, V. Mioduszewski, A.	NRAO NRAO NRAO	VLA Monitoring of X-ray binaries, transients, and related sources	3.6, 6, 20	1,2,28,29	9.23
AR661	Trejo-Cruz, A. Rodriguez, L.	UNAM UNAM	Distance to a Synchrotron source apparently associated with a PN	20	6	1.99
AR664	Rau, Urvashi Cornwell, T. Eilek, J. Owen, F.	NRAO CSIRO NMIMT NRAO	M87: The impact of a black hole on its environment	20	13	1.0
AR676	Rygl, K. Brunthaler, A. Menten, K. Wyrowski, F.	MPIA MPIfR MPIfR MPIfR	Calibrator search near water masers	1.3, 3.6	1	1.99
AS887	Soderberg, A. Chevalier, R. Frail, D. Kulkarni, S.	Caltech UVA NRAO Caltech	Toward an understanding of the progenitors of Type Ibc SN	3.6	1,4,7,21,22	7.24
AS945	Stockdale, C. Immler, S. Panagia, N. Sramek, D. VanDyk, S. Weiler, K. Marcaide, J-M.	Marquette NASA STScI NRAO Spitzer NRL Valencia	SN2008ax: Earliest type IIP radio supernova	1.3, 3.6, 6	13,17,18,19, 21,26	5.33
AT358	Taylor, G. Feretti, L. Giovannini, G. Pihlstrom, Y. Gentile, G. Govoni, F. Allen, S. Ebeling, H.	UNM Bologna Bologna UNM UNM IRA-Bologna Stanford Hawaii	Searching for High Redshift Radio Halos in the MACS Cluster Sample	20	15	6.13
AT359	Takahashi, S. Lim, J. Shimajiri, Y. Saito, M. Takakuwa, S. Kawabe, R.	ASIAA ASIAA NAOJ NAOJ NAOJ NAOJ	An direct Imaging of a Multiple Protostars in Intermediate-mass SFR of OMC-2/3	0.7, 3.6, 6	14, 17	6.83
AV298	Vollmer, B. Soida, M. Urbanik, M. Beck, R. Chyzy, K. Otmianowska-Mazur, K. Kenney, J. van Gorkom, J. Chung, A. Wezgowiec, M.	Strasbourg Jagiellonian Jagiellonian MPIfR Jagiellonian Krakow Yale University Columbia Columbia Jagiellonian	Ram pressure diagnostics using polarized emission	20	20	10.56

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AW710	Weiler, K. Immeler, S. Marcaide, J. Panagia, N. Pooley, D. Ryder, S. Sramek, D. Stockdale, C. Williams, C.	NRL NASA Valencia STScI Berkeley AAO NRAO Marquette MIT	Core collapse SN (Type II)	1.3, 3.6	7,10,11,12,29,31	6.67
BB251	Berger, E. Rupen, M.	Carnegie NRAO-Socorro	An Astrometric Search for Close Companions to Radio Active M and L Dwarfs	3.6 Phased array VLBI	29	10.52
BB254	Brunthaler, A. Tarchi, A. Castangia, P. Henkel, C. Reid, M. Falcke, H. Menten, K.	MPIFR IRA-Caligari MPIFR MPIFR CfA Nijmegen MPIFR	The nuclear H ₂ O maser in NGC 253	1.3 Phased array VLBI	24	7.48
BB257	Boden, A. Akeson, R. Boboltz, D. Johnston, K. Sargent, A.	Caltech Caltech USNO USNO Caltech	VLBA Imaging of two pre-main sequence T Tauri binary systems	3.6	29	0.48
BC178	Chen, X. Nakashima, J. Imai, H. Shen, Z-Q.	Shanghai Hong Kong Kagoshima U. Shanghai Obs.	VLBA Obs. of VY CMa in the SiO J=1-0v=1,2 and 3 lines	0.7		5.98
BM270	Miller-Jones, J.C.A. Migliari, S. Fender, R.P. Jonker, P.G. Tomsick, J.	NRAO-CV Calif.-San Diego Southampton CfA Calif.-San Diego	Imaging the compact jet in the neutron star X-ray binary 4U 0614+091	3.6 Phased array VLBI	23	2.73
BO030	Orienti, M. Dallacasa, D.	IAC Bologna	The individual hotspot-core separation velocity influence of the ISM?	3.6, 6, 20 Single antenna VLBI	22	14.01
S90208	Jonker, P. Roman, J. Tomsick, J. Gallo, E. Markoff, S. Rupen, M. Steehgs, D. Fender, R. Wijnands, R. Dhawan, V. Kong, A. Kaaret, P. Lewin, W.	CfA MIT Calif., San Diego Calif., Santa Barbara Amsterdam NRAO SAO Southampton Amsterdam NRAO MIT Iowa MIT	Following a black hole candidate X-ray transient to quiescence	3.6 TRIGGER	2, 8, 16, 20	12.88
S90564	Wolk, S. Osten, R. Muench, A. Forbrich, J.	SAO Maryland SAO SAO	X-ray and Radio Imaging of the Protostar Complex Adjacent to IC 348	3.6, 6	13, 18	19.36
DYNAMI			Dynamic scheduling			97.74
	Staff	NRAO	Maintenance			62.0
			Students		8, 9	5.81
			Test/Calculations			125.4

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BB240	Bower, G.C. Bolatto, A. Ford, E. Kalas, P.	Calif.-Berkeley Calif.-Berkeley CfA/Florida Calif.-Berkeley	RIPL: Radio Interferometric PLANet Search		3.6 with GB	5, 14, 19, 26, 29	40.00
BC168	Cotton, W.D. Coude du Foresto, V Menesson, B. Perrin, G.	NRAO Obs. de Paris JPL DESPA	Coordinated VLA/VLTI/Keck obs. of AGB stars		.7	24	10.0
BD132	Desmurs, J.-F. Combes, F. Fuente, A. Garcia-Burillo, S. Soria-Ruiz, R. Useros, A.	OAN Obs. de Paris OAN OAN JIVE OAN	Large mapping H3CO absorption in 4C31.04		2,6	14,19	24.0
BG170	Giovannini, G. Feretti, L. Giroletti, M. Cotton, W.D. Perez-Torres, M.A.	Bologna Bologna INAF-Bologna NRAO-CV IAA	Jet and Counter-Jet emission in NGC 315		0.7, 3.6 with AR, EB, GB, Y27	3	6.0
BG176	Gabanyi, K. Bach, U. Britzen, S. Fuhrmann, L. Marchili, N. Witzel, A.	FOMI MPIfR MPIfR MPIfR MPIfR MPIfR	J1128+592, a new candidate for annual modulation		2,4,6	21	6.0
BH146	Horiuchi, S. Briskin, W. Tingay, S.	Swinburne NRAO Swinburne	Precession of the parsec-scale jet in the BL Lac object PKS 0003-066		1,4,7,6	18	8.0
BH151	Harris, D.E. Cheung, C.C.	SAO GSFC	Measuring the decay phase of the giant flare in Knot 'HST-1' of the M87 Jet		20	2,9,13	23.25
BK142	Kovalev, Y.Y. Lobanov, A. Pushkarev, A.B.	MPIfR MPIfR MPIfR	Physics of the central region in the quasar 0850+581		1,2,.7,4,6	17	15.0
BK143	Konopacky, Q. Ghez, A. Mioduszewski, A.	UCLA UCLA NRAO	Towards 1% mass determinations for binary brown dwarfs		4	11	8.0
BK146	Konopacky, Q. Ghez, A. Mioduszewski, A. Rice, E.	UCLA UCLA NRAO UCLA	Towards distances to nearby, young star forming regions		4	27	4.0
BL158	Liuzzo, E. Feretti, L. Giovannini, G. Giroletti, M.	INAF INAF INAF INAF	VLBA Obs. of complete sample of brightest cluster galaxies in nearby Abell clusters		6	8,16,22	27.0
BL159	Liuzzo, E. Feretti, L. Giovannini, G. Giroletti, M.	INAF INAF IANF INAF	II Epoch VLBA Obs. of B2 1346+26		1,4,6,20 26	26	8.0
BH256	Marscher, A.P. Chatterjee, R. D'Arcangelo, F. Gear, W. Gomez, J.L. Hagen-Thorn, V. Jorstad, S.	Boston Boston Boston Cardiff IAA St. Petersburg Boston	Probing blazars thru multi-waveband variability of flux		0.7	28	24.0
BR125	Robishaw, T. Heiles, C. Sarma, A. Bower, G.C. Quataert, E.	Calif.-Berkeley Calif.-Berkeley De Paul Calif.-Berkeley Calif.-Berkeley	Zeeman Splitting in OH Megamasers		18 line, with AR, GB, Y27	10	10.0
BS160	Shen, Z. Chen, X. Jiang, D.	ShAO ShAO ShAO	Simultaneous VLBA obs. of Three 7mm Sio masers toward VX Sgr at five epochs		0.7	17	8.0
BS179	Agudo, I. Fuhrmann, L. Jorstad, S. Krichbaum, T. Marscher, A. Savolainen, T. Wiik, K.	IAA-CSIC MPIfR Boston Univ. MPIfR Boston MPIfR Tuorla Obs.	Polarimetric obs. of 3C454.3		1,.3,.7	23	14.0

VLBA Utilization Report February 2008

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BS181	Soderberg, A. Berger, E. Burrows, D. Fox, D. Gehrels, N. Immler, S. Kulkarni, S.	Princeton Princeton Penn State Penn State GSFC NASA Caltech	Is the transient in NGC2770 a relativistic SN explosion		1,4	8	10.0
BT094	Taylor, G. Blandford, R. Fassnacht, C. Gehrels, N. Healey, S. Helmboldt, J. Michelson, P. Myers, S. Pearson, T. Readhead, T. Romani, R. Sjouwerman, L. Tremblay, S. Walker, C. Weintraub, L.	UNM Stanford UC, Davis GSFC Stanford NRL Stanford NRAO Caltech Caltech Stanford NRAO UNM NRAO Caltech	Evolution of burgeoning active galactic nuclei		2,4,6	16	17.0
BW090	Walker, C. Hardee, P. Junor, B. Ly, C.	NRAO Alabama LANL UCLA	Understanding fast motions in jet collimation region of M87		.7	4,10,15,20	50.0
GP046	vanderHorst, A. Garrett, M. Kouveliotou, C. Paragi, Z. Strom, R. Wijers, R.	NASA ASTRON NASA JIVE ASTRON Amsterdam	Relativistic expansion measurement of the Transient in NGC2770		6	6	8.0
	Staff	NRAO	Maintenance				74.0

Based on Actual Hours Observed

The average downtime was 19.42 hours 7.1%

Actual observing time was 254.08 hours

The VLBA was scheduled 100.0% of the time 696 hours of a possible 696 hours

Astronomical Observations = 46.0% (320.25 hours)
 Tests and Calibrations = 12.8% (89.00 hours)
 Maintenance = 10.6% (74.00 hours)
 Number of Unscheduled hours = 30.6% (212.75 hours)
 Number of Shutdown hours = 0% (0 hours)

 Based on Scaled (128Mbps) Observing Hours

Number of scaled hours of astronomical observations = 609.39 hrs

Downtime = 9.8% (59.72 hours)

Actual observing = 549.66 hours

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BA078	Agudo, I. Bach, U. Gomez, J.L. Krichbaum, T.P. Roy, A. Witzel, A. Zensus, J.A.	MPIfR Torino IAA MPIfR MPIfR MPIfR MPIfR	Monitoring NRAO 150 with Multi-frequency polarimetry		2,4	12	12.0
BB240	Bower, G.C. Bolatto, A. Ford, E. Kalas, P.	Calif.-Berkeley Calif.-Berkeley CfA/Florida Calif.-Berkeley	RIPL: Radio Interferometric PLANet Search		3.6 With GB	7,16,25	24.0
BB242	Braatz, J.A. Greenhill, L.J. Condon, J.J. Reid, M. Henkel, C. Lo, K.Y.	NRAO-GB CfA NRAO-CV CfA MPIfR NRAO-CV	The Megamaser Cosmology Project		1.3 With GB	15,21	24.0
BC170	Creel, B. Claussen, M. Pihlstrom, Y. Sahai, R.	UNM NRAO UNM JPL	Parallax measurements of Proto-planetary and young planetary nebulae		1,20	18	8.0
BD128	Desmurs, J.-F. Alcolea, J. Bujarrabal, V. Jiminez-Esteban, F. Sanchez-Contreras,	OAN OAN OAN OAN CSIC	Proper motion of H2O maser emission in pPN OH231.8+4.2		1	14	8.0
BG176	Gabanyi, K. Bach, U. Britzen, S. Fuhrmann, L. Krichbaum, T. Marchili, N.	SGO MPIfR MPIfR MPIfR MPIfR MPIfR	J1128+592, a new candidate for annual modulation		2,4,6	11	6.0
BJ061	Jones, D. Border, J. Dhawan, V. Fomalont, E. Preston, B. Romney, J. Standish, M.	JPL JPL NRAO NRAO JPL NRAO JPL	Improvement of Saturn Ephemeris through VLBA Obs. of Cassini Spacecraft		4	12	3.0
BJ065	Johnston, K. Fey, A. Ma, C. Gordon, D. Boboltz, D. Ojha, R. Gaume, R. Kingham, K. Behrend, D. Gipson, J. MacMillan, D. Petrov, L. Fomalont, E. Walker, C.	USNO USNO NASA-GSFC NVI-GSFC USNO USNO USNO USNO NVI-GSFC NVI-GSFC NVI-GSFC NASA-GSFC NRAO-CV NRAO-Socorro	VLBA geodesy/astrometry observations for 2008		3.6 With KbKkNyTsVa WfwzZc	23 Scheduled as RDV66	24.0
BL149	Lister, M. Cooper, N. Fromm, C. Kuchibhotla, H.	Purdue Purdue MPIfR Purdue	VLBA 2cm MOJAVE/GLAST Program		2	10	24.0
BL155	Loinard, L. Mioduszewski, A. Rodriguez, L.F. Torres, R.A.	UNAM NRAO UNAM UNAM	Obtaining the distance to Cepheus to a few percents precision		4	6	5.0
BM256	Hagen-Thorn, V. Marscher, A. Chatterjee, S. D'Arcangelo, F. Gear, W. Gomez, J.L. Jorstad, S.	St. Petersburg Boston Boston Boston Cardiff IAA Boston	Probing blazars through Multi-waveband variability of flux, polarization, and structure		0.7	17	24.0
BM269	Moscadelli, L. Cesaroni, R. Goddi, C. Reid, M. Rijo, M.J.	Arcetri Arcetri CfA CfA Madrid	Distance to the high-mass protostar IRAS 20126+4104		1	28	10.0

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BM273	McClintock, J. Dhawan, V. Remillard, R. Rupen, M.	CfA NRAO MIT NRAO	Multi-wavelength study of a black-hole X-ray Nova outburst		4	7,11,12	16.5
BR120	Ros, E. Aller, H.d. Aller, M. Angelakis, E. Irwin, J. Kadler, M. Kaufmann, S. Kerp, J. Kovalev, Y.Y. Marscher, A. Weaver, K. Zensus, J.A.	MPiFR Michigan Michigan MPiFR Michigan GSFC Argelander Argelander Lebedev Boston GSFC MPiFR	NGC1052, key to explore disk-jet connection in AGN continuation of VLBA Campaign		1, 0.7	11	6.0
BR131	Riechers, D. Carilli, C. Lewis, G. Momjian, E. Walter, F.	Caltech NRAO Sydney Arecibo MPIA	Revealing the mechanism that powers radio continuum in AGN starburst system		20	27,29	16.0
BT093	Torres, R.M. Loinard, L. Mioduszewski, A. Rodriguez, L.	UNAM UNAM NRAO UNAM	Distance to, and structure of Taurus and Ophiuchus star forming regions		4	16	4.0
BT094	Taylor, G. Blandford, R. Fassnacht, C. Gehrels, N. Healey, S. Helmboldt, J. Michelson, P. Myers, S. Pearson, T. Readhead, T. Romani, R. Sjouwerman, L. Tremblay, S. Walker, C. Weintraub, L.	UNM Stanford Calif., Davis NASA Stanford NRL Stanford NRAO Caltech Caltech Stanford NRAO UNM NRAO Caltech	Evolution of burgeoning active galactic nuclei		2,4,6	19	17.0
BW086	Wrobel, J. Ho, L.C.	NRAO Carnegie	Radio emission on subparsec scales from intermediate mass black hole in NGC 4395		2,4,6	3	12.0
BW088	Walker, C. Hardee, P. Junor, B. Ly, C.	NRAO Alabama LANL UCLA	M87 Move at 43 GHz-jet dynamics near the black hole		0.7	21	10.0
BW090	Walker, C. Hardee, P. Junor, B. Ly, C.	NRAO Alabama LANL UCLA	Understanding fast motions in the jet collimation region of M87		0.7	26,31	20.0
	Staff	NRAO	Maintenance				105.0

Based on Actual Hours Observed

The average downtime was 19.42 hours 7.1%

Actual observing time was 254.08 hours

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

Astronomical Observations	=	37.0%	(273.50 hours)
Tests and Calibrations	=	16.0%	(116.75 hours)
Maintenance	=	11.0%	(79.00 hours)
Number of Unscheduled hours	=	35.0%	(258.75 hours)
Number of Shutdown hours	=	2.0%	(16.00 hours)

Based on Scaled (128Mbps) Observing Hours

Number of scaled hours of astronomical observations = 560.94 hrs

Downtime = 7.1% (39.83 hours)

Actual observing = 521.12 hours