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VLBA Utilization Report December 2007

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, 15, 21, 29	31.0
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	5	12.0
BC167	Cheung, C.C. Harris, D.E. Junor, B.	Stanford CfA LANL	Continued monitoring of Knot 'HST-1' in M87 Jet		20	14,20	15.0
BD129	Dallacasa, D. Orienti, M.	Bologna Bologna	Pc-scale low-surface brightness features in 4 HFP galaxies		20,90	14	9.0
BD130	Dougherty, S.M. Pittard, J.M. Williams, P.M. Beasley, A.J. Claussen, M.J.	NRC Leeds Edinburgh NRAO-Santiago NRAO-Socorro	Wind-collision evolution in WR140		3.6, 6, 18 With Y1	17	12.0
BG168	Gallo, E. Jonker, P.G. Miller-Jones, J. Fender, R.P. Maccarone, T.J.	Calif.-Santa Barbara CfA Amsterdam Southampton Southampton	Structure of two quiescent black hole X-ray binaries		3.6 With EB, GB, Y27	2	4.5
BG170	Giovannini, G. Feretti, L. Giroletti, M. Cotton, W.D. Perez-Torres, M.A.	Bologna Bologna Bologna NRAO-CV IAA	Jet and Counter-Jet emission in NGC 315		1.3, 6 With GB, EB, Y27	2	6.0
BJ062	Jackson, N. Johnston, K. Boboltz, D. Fey, A. Ojha, R. Sakai, S.	Manchester USNO USNO USNO USNO Manchester	High precision astrometry of RS CVn Star SZ Psc		4	7	9.0
BJ064	Jackson, N. Sakai, S.	Manchester Manchester	Search for smallest-separation gravitational lens system		6	8	24.0
BL149	Lister, M. Cooper, N. Fromm, C. Kuchibhotla, H.	Purdue Purdue MPIfR Purdue	2cm MOJAVE/GLAST Program		2	28	24.0
BL156	Loinard, L. Mioduszewski, A. Rodriguez, L.F. Torres, R.A.	UNAM NRAO UNAM UNAM	Completing the VLBA Mapping of nearby star-forming regions		4	22	10.0
BM254	Ma, C. Johnston, K. Fey, A. Gordon, D. Boboltz, D. Kingham, K. Behrend, D. Gipson, J. MacMillan, D. Petrov, L. Fomalont, E. Walker, R.C.	NASA-GSFC USNO USNO Raytheon-GSFC USNO USNO NVI-GSFC NVI-GSFC NVI-GSFC NASA-GSFC NRAO-CV NRAO-Socorro	VLBA Geodesy/Astrometry Observations for 2007		3.6 with HhKbNyOnSv TsValwZc	5 Scheduled as RDV66	24.0
BM264	Montenegro-Montes, Benn, C.R. Carballo, R. Dallacasa, D. Gonzales-Serrano, J. Mack, K.-H. Vigotti, M.	IRA, Bologna La Palma Cantabria Bologna Santander IRA, Bologna IRA, Bologna	Radio-loud broad absorption line quasars		4,6	21,23	12.0
BS172	Savolainen, T. Rastorgueva, E. Takalo, L. Valtaoja, E. Wiik, K.	Tuorla Tuorla Tuorla Tuorla Tuorla	Multi-frequency polarimetric monitoring of OJ287 during predicted outburst		.3, .7, 1, 2, 4	17	8.0
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	4.8.17.28	21.0

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BT094	Taylor, G. Blandford, R. Fassnacht, C. Gehrels, N. Healey, S. Helmholtz, J. Michelson, P. Michelson, P. Myers, S. Pearson, T. Readhead, T. Romani, R. Sjouwerman, L. Tremblay, S. Walker, R.C. Weintraub, L.	UNM Stanford Calif., Davis NASA Stanford NRL Stanford Stanford NRAO Caltech Caltech Stanford NRAO UNM NRAO Caltech	Evolution of burgeoning active galactic nuclei		2,4,6	31	17.0
BW088	Walker, R.C. Hardee, P. Junor, B. Ly, C.	NRAO Alabama LANL Calif., Los Angeles	M87 Movie at 43 GHz - Jet dynamics near Black Hole		7	10,15,30	29.50
	Staff	NRAO	Maintenance				87.5

Based on Actual Hours Observed

The average downtime was 24.1 hours 9.0%

Actual observing time was 243.9 hours

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

Astronomical Observations = 38.5% (268.00 hours)
 Tests and Calibrations = 8.8% (61.20 hours)
 Maintenance = 17.0% (118.40 hours)
 Number of Unscheduled hours = 35.6% (248.40 hours)

(St. Croix out for painting Dec. 01-21)

 Based on Scaled (128Mbps) Observing Hours

Number of scaled hours of astronomical observations = 511.15 hrs

Downtime = 9.0% (46.0 hours)

Actual observing = 465.11 hours

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Prog#	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 Calif., Berkeley	RIPL		4	8,19,24	24.0
BB242	Braatz, J. condon, J. Greenhill, L. Henkel, C. Lo, K.Y. Reid, M.	NRAO NRAO CfA MPIfR NRAO CfA	Megamaser Cosmology Project		1	13	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	21	8.0
BG176	Gabanyi, K. Bach, U. Britzen, S. Furhmann, L. Krichbaum, T. Marchili, N. Witzel, A.	SGO MPIfR MPIfR MPIfR MPIfR MPIfR	J1128+592, a new candidate for annual modulation		2,4,6	29	6.0
BG182	Gomez, J.L. Agudo, I. Jorstad, S. Marscher, A. Marti, J. Perucho, M. Roca-Sogorb, M.	IAA, Spain IAA, Spain Boston Boston Valencia MPIfR IAA, Spain	Multi-scale polarimetric study of jet in radio galaxy 3C 120		.3,.7,3,4, 6,13,20	3,7,30	36.00
BL146	Loiuard, L. Mioduszewski, A. Rodriguez, L.F. Torres, R.A.	UNAM NRAO UNAM UNAM	Very accurate dynamical mass of a pre-main sequence spectroscopic binary		4	17	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, Spain St. Petersburg Boston	Probing blazars through multi-waveband variability of flux, polarization, and structure		0.7	1	24.0
BM264	Montenegro-Montes, Benn, C.R. Carballa, R. Dallacasa, D. Gonzales-Serrano, J Mack, K.-H. Vigotti, M.	INAF La Palma Cantabria Bologna Santander INAF INAF	Radio-loud broad absorption line quasars		4,6	6,24,25	26.0
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 Milky Way		2	4	9.0
BS175	Shen, Z.Q. Asada, K. Lo, K.Y. Miyoshi, M.	ShAO ISAS NRAO NAOJ	Near simultaneous multi-wavelength polarimetric VLBI Imaging of Sgr A*		.3,.7,2,4, 6	9,10,11,12	28.0
BT093	Torres, R.M. Loiuard, L. Mioduszewski, A. Rodriguez, L.F.	UNAM UNAM NRAO UNAM	Distance to, and structure of the Taurus and Ophiuchus star-forming regions		4	7,18,29	12.0
BW088	Walker, C. Hardee, P. Junor, B. Ly, C.	NRAO Alabama LANL Calif., Los Angeles	M87 Movie at 43 GHz		0.7	2,17	20
GB062	Bartel, N. Beasley, A. Bietenholz, M. Cannon, W. Conway, J. Graham, D. Rupen, M. Umana, G. Venturi, T.	York Caltech York York Onsala MPIfR NRAO Noto Bologna	Structural and spectral evolution		6	3	24.0

Based on Actual Hours Observed

The average downtime was 8.9 hours 3.8%

Actual observing time was 225.1 hours

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

Astronomical Observations	=	33.6%	(234.00 hours)
Tests and Calibrations	=	19.6%	(136.60 hours)
Maintenance	=	18.3%	(127.30 hours)
Number of Unscheduled hours	=	28.5%	(198.1 hours)

(St. Croix out for painting all month)

Based on Scaled (128Mbps) Observing Hours

Number of scaled hours of astronomical observations = 476.2 hrs

St. Croix out for painting all month

Downtime = 3.8% (18.1 hours)

Actual observing = 458.1 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 w/GB	4,8,28,30	32.0
BC168	Cotton, W.D. Coude du Foresto, V Mennesson, B. Perrin, G.	NRAO DESPA JPL DESPA	Coordinated VLBA/VLTI/Keck Obs. of AGB stars		0.7	22	10.0
BD128	Desmurs, J.-F. Alcolea, J. Bujarrabal, V. Jimenez-Esteban, F. Sanchez-Contreras,	OAN OAN OAN OAN CSIC/DAMIR	Proper motion of H2O maser emission in pPN OH231.8+4.2		1	22	8.0
BD130	Dougherty, S.M. Beasley, A.J. Claussen, M. Pittard, J.M. Williams, P.M.	NRC NRAO-ALMA NRAO Leeds IfA	Wind-collision evolution in WR140		4,6,20	28	12.0
BG176	Gabanyi, K. Bach, U. Britzen, S. Fuhrmann, L. Krichbaum, T.P. Marchili, N. Witzel, A.	SGO MPIfR MPIfR MPIfR MPIfR MPIfR	J1128+592, a new candidate for annual modulation		2,4,6	11	6.0
BJ062	Johnston, K. Boboltz, D.A. Johnston, K.J. Ojha, R.	USNO USNO USNO USNO	High precision astrometry of the RS CVn Star SZ Psc		4	6	9.0
BL146	Loinard, L. Mioduszewski, A. Rodriguez, L.F. Torres, R.A.	UNAM NRAO UNAM UNAM	Very accurate dynamical mass of a pre-main sequence spectroscopic binary		4	3,9,17,23,27	25.0
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	20	5.0
BM264	Montenegro-Montes, B. Benn, C.R. Carballo, R. Dallacasa, D. Gonzalez-Serrano, J. Mack, K.-H. Vigotti, M.	INAF-IRA ING, La Palma Cantabria Univ. Bologna IFCA, Santander INAF-IRA INAF-IRA	Radio-loud absorption line quasars: pc-scale imaging at radio wavelengths		4,6	21	7.0
BR120	Ros, E. Aller, H.d. Aller, M. Angelakis, E. Irwin, J. Kadler, M. Kaufman, S. Kerp, J. Kovalev, Y.Y. Marscher, A. Weaver, K.A. Zensus, J.A.	MPIfR Michigan Michigan MPIfR Michigan GSFC Argelander Argelander Lebedev Boston GSFC MPIfR	NGC1052, the Key to explore the disk-jet connection in AGN continuation of the VLBA Campaign		1,0.7	1	6.0
BR121	Reid, M. Brunthaler, A. Menten, K. Xu, Y. Zheng, X-W.	CfA MPIfR MPIfR MPIfR Nanjing	Trigonometric parallax for the Galactic Center		1	1,16	12.0
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	18,21,27	26.5
BS179	Savolainen, T. Agudo, I. Fuhrmann, L. Jorstad, S. Krichbaum, T. Marscher, A. Wiik, K.	MPIfR IAA-CSIC MPIfR Boston MPIfR Boston Tuorla	Polarimetric ToO Obs. of 3C454.3		0.7, 0.3,1	6,30	28.0

VLBA Utilization Report October 2007

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BT093	Torres, R.M. Loiuard, L. Mioduszewski, A. Rodriguez, L.F.	UNAM UNAM NRAO UNAM	Distance to, and structure of Taurus and Opiuchus star-forming regions		4	19,29	9.0
BW088	Walker, R.C. Hardee, P. Junor, B. Ly, C.	NRAO Alabama LANL Calif., Los Angeles	M87 Movie at 43 GHz-Jet dynamics near the black hole		0.7	7,26	20.0
GA024	Agudo, I. Roy, A. Gomez, J.L. Bach, U. Marscher, A.	IAA MPIfR IAA MPIfR Boston Univ.	3mm GMVA polarimetric monitoring of NRAO 150		0.3 for correlatio n at Bonn	11	19.7
GB060	Bach, U. Krichbaum, T.P. Middelberg, E. Alef, W. Witzel, A. Zensus, J.A.	MPIfR MPIfR Bochum MPIfR MPIfR MPIfR	Measuring the counter-jet speed in Cygnus A		0.7 for correlatio n at JIVE	23 w/GB, Y1	18.75
GC027	Cawthorne, T.V. Sokolov, A. Marscher, A.P. Jorstad, S.G. Krichbaum, T.P.	Lancashire Central Lancashire Boston Univ. Boston Univ. MPIfR	Structural variation in core of BL lac		0.3, 0.7 for correlatio n at Bonn	12	16.7
GC029	Chi, S. Garrett, M.A. Barthel, P.D.	ASTRON NFRA Groningen	Deep, high-resolution observations of the Hubble Flanking Field region		18 for correlatio n at JIVE	20	9.0
GK036	Krichbaum, T.P. Bach, U. Agudo, I. Dodson, R. Bremer, M.	MPIfR MPIfR IAA OAN-Yebes IRAM	Polarimetric monitoring of BL Lac object 0716+714		0.3 for correlatio n at Bonn	13	13.7
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 for correlatio n at Bonn	14	13.7
GK038	Krichbaum, T.P. Savolainen, T. Wiik, K. Agudo, I. Alef, W. Graham, D. Witzel, A. Zensus, J.A. Bremer, M. Wiesemeyer, H. Ungerechts, H.	MPIfR Tuorla Tuorla IAA MPIfR MPIfR MPIfR MPIfR IRAM IRAM IRAM	High dynamic range GMVA imaging of 3C454.3 after major outburst		0.3 For correlatio n at Bonn	13	13.7
GK039	Kadler, M. Krichbaum, T.P. Ros, E. Kovalev, Y.Y. Fuhrman, L. Perucho, M. Agudo, I. Marscher, A.P. Jorstad, S.G.	NASA-GSFC MPIfR MPIfR MPIfR Italy MPIfR IAA Boston Univ. Boston Univ.	3C 111 in outburst		0.3 For correlatio n at Bonn	16	15.7
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 for correlatio n at Bonn	14	17.7
GL030	Lane, W. Kanekar, N. Briggs, F.H. Vermeulen, R.C.	NRL NRAO-Socorro ANU NFRA	Physical conditions in low redshift DLAs from VLBI 21cm absorption		18 with EB, WB, ON, GB	19	12.0
	Staff	NRAO	Maintenance				101.0

Based on Actual Hours Observed

The average downtime was 12.1 hours 3.3%

Actual observing time was 364.65 hours

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

Astronomical Observations	=	49.3%	(366.75 hours)
Tests and Calibrations	=	12.0%	(89.45 hours)
Maintenance	=	20.0%	(149.00 hours)
Number of Unscheduled hours	=	18.7%	(138.80 hours)

Based on Scaled (128Mbps) Observing Hours

Number of scaled hours of astronomical observations = 764.3 hrs

(October had an unusually high number of 512 Mbps observations)

Downtime = 3.3% (25.2 hours)

Actual observing = 739.1 hours

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BA084	Agudo, I. Marti, J. Gomez, J.L. Jorstad, S. Marscher, A. Perucho, M. Roca, M. Roy, A.	IAA Valencia IAA Boston Boston MPIfR IAA MPIfR	Astrometric monitoring of wobbling jets in blazars		1.3	23	16.0
BB246	Boboltz, D. Driebe, T. Ohnaka, K. Wittkowski, M.	USNO MPIfR MPIfR ESO	Polychromatic interferometry of evolved stars		1.3	3,15	20.0
BC170	Creel, B. Claussen, M. Pihlstrom, Y. Sahai, R.	UNM NRAO UNM JPL	Parallax measurements of proto-planetary and young planetary nebulae		1.3	17	7.80
BD126	Deller, A. Tingay, S.	Swinburne Swinburne	Imaging the double pulsar phase reference source B0736-303		18	30	6.0
BG173	Gabuzda, D. O'Sullivan, S. Pushkarev, A.	Cork Cork Pulkovo	Nature of Spine and Sheath		2,3,6,6	26,27	48.0
BL146	Loinard, L. Mioduszewski, A. Rodriguez, L. Torres, R.	UNAM NRAO UNAM UNAM	Very accurate dynamical mass of a pre-main sequence spectroscopy binary		2	5,11,16,21,27	25.0
BL149	Lister, M. Agudo, I. Aller, M. Aller, H. Arshakian, T. Bloom, S. Cohen, M. Cooper, N. Fromm, C. Gehrels, N. Homan, D. Kadler, M. Kellermann, K. Kovalev, Y. Kuchibhotla, H. Lobanov, A. Pulido, J.A. Ros, E. Sambruna, R. Tueller, J. Vermeulen, R. Zensus, A. McEney, J.	Purdue MPIfR Michigan Michigan MPIfR HSC Caltech Purdue MPIfR GSFC Denison GSFC NRAO MPIfR Purdue MPIfR IAC MPIfR GSFC GSFC) ASTRON MPIfR GSFC	MOJAVE/GLAST Program		2	6	23.50
BL157	Loinard, L. Costero, R. Mioduszewski, A. Rodriguez, L. Torres, R.M.	UNAM UNAM NRAO UNAM UNAM	Accurate distance to Orion trapezium		3.6	9,15,22	6.0
BM256	Marscher, A. Chatterjee, R. D'Arcangelo, F. Gear, W. Gomez, J.L. Hagen-Thorn, A. Jorstad, S.	Boston Boston Boston Cardiff IAA St. Petersburg Boston	Probing blazars thru multi-waveband variability of flux		7	29	24.0
BP131	Piner, B.G. Edwards, P.G.	Whittier ISAS	Toward establishing a confirmed sampel of ultra relativistic jets		7	8	12.0
BP141	Paredes, J.M. Dhawan, V. Ribo, M. Moldon, J. Cortina, J. Rico, J. Torres, D.F. Sidro, N.	Barcelona NRAO-Socorro Barcelona Barcelona IFAE IAFE Barcelona IFAE	Simultaneous VLBA and MAGIC observations of gamma-ray binary LS I+61 303		3.6	4, 6, 8, 10, 12	25.0

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BR121	Reid, M. Brunthaler, A. Menten, K. Xu, Y. Zheng, X-W.	Cfa MPIfR MPIfR MPIfR Nanjing	Trigonometric parallax for the Galactic Center		1.3	5,28,30	20.0
BS172	Savolainen, T. Rastorgueva, E. Takalo, L. Valtaoja, E. Wiik, K.	Tuorla Tuorla Tuorla Tuorla Tuorla	Multi-frequency polarimetric VLBA monitoring of OJ287		2,3,7	14	8.0
BT087	Tafoya, D. Gomez, Y. Patel, N. Reid, M.	Cfa UNAM Cfa Cfa	Rotating magnetized disk in young planetary nebula K3-35		18	22	9.25
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		3.6	3,9,21	17.0
BV062	Vlemmings, W. Beuther, H. vanderTak, F.	Manchester MPIA Groningen	Magnetic field around the high mass protostar IRAS 18089-1732		1.3	24	8.0
BW086	Wiik, K. Savolainen, T.	Tuorla Tuorla	Multi-frequency polarimetric VLBA follow-up of 3C454.3		2,3.6,6	13	12.0
BW088	Walker, R.C. Hardee, P. Junor, B. Ly, C.	NRAO Alabama LANL UCLA	M87 Movie at 43 GHz - jet dynamics near the black hole		0.7	20	10.0
	Staff	NRAO	Maintenance				86.0

Based on Actual Hours Observed

The average downtime was 26.78 hours 9%

Actual observing time was 270.77 hours

The VLBA was scheduled 100.0% of the time 720.0 hours of a possible 720 hours

Astronomical Observations = 41.3% (297.55 hours)
 Tests and Calibrations = 11.5% (82.80 hours)
 Maintenance = 15.9% (114.80 hours)
 Number of Unscheduled hours = 31.2% (224.80 hours)

 Based on Scaled (128Mbps) Observing Hours

Number of scaled hours of astronomical observations = 435.8 hrs

Downtime = 9.0% (39.22 hours)

Actual observing = 396.58 hours

VLBA Utilization Report August 2007

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BB246	Boboltz, D. Driebe, T. Ohnaka, K. Wittkowski, M.	USNO MPIFR MPIFR ESO	Plychromatic interferometry of evolved stars RR Aql and AH Sco		0.7	12,17	10.0
BC167	Cheung, C.C. Harris, D.E. Junor, W.	Stanford SAO LANL	Continued monitoring of Knot 'HST-1' in the M87 Jet		20,90	20,23	15.8
BC170	Creel, B. Claussen, M. Pihlstrom, Y. Sahai, R.	UNM NRAO UNM JPL	Parallax measurements of proto-planetary and young planetary nebulae		1,20	28	8.0
BC173	Creel, B. Chapman, J. Claussen, M. Pihlsstrom, Y. Sahai, R. Vlemmings, W.	UNM CSIRO NRAO UNM Caltech JBO	Distribution and relative positions of the OH and water masers		1,20	25	8.0
BG176	Gabanyi, K. Bach, U. Britzen, S. Fuhrmann, L. Krichbaum, T. Marchili, N. Witzel, A.	SGO MPIFR MPIFR MPIFR MPIFR MPIFR	J1128+592, a new candidate for annual modulation		2,4,6	31	6.25
BH146	Horiuchi, S. Briskin, W. Tingay, S.	Swinburne NRAO Swinburne	Precession of the parsec-scale jet in the BL Lac object PKS 0003-066		1,4,6,0.7	13	8.0
BH147	Harvey-Smith, L. Cohen, R.J. soria-Ruiz, R.	JIVE Jodrell Bank JIVE	Imaging the possible circumstellar disc in the centre of W3 (OH)		2	10	12.0
BJ062	Johnston, K. Boboltz, D.A. Fey, A. Ojha, R.	USNO USNO USNO USNO	High precision astrometry of the RS CVn Star SZ Psc		4	3	9.0
BK133	Kovalev, Y.	ASC	Monitoring of an unusual GPS quasar 0858-279		1,2,4,6,13,20	3	7.0
BK141	Konopacky, Q. Melis, C. Mioduszewski, A.	UCLA UCLA NRAO	Towards a 1% mass determination for binary brown dwarf 2MASS07464+20		4	17	8.0
BL146	Loinard, L. Mioduszewski, A. Rodriguez, L.F. Torres, R.	UNAM NRAO UNAM UNAM	Very accurate dynamical mass of a pre-main sequences spectroscopic binary		4	23,29	10.0
BL149	Lister, M. Cooper, N. Fromm, C. Kuchibhotla, H.	Purdue Purdue MPIFR Purdue	MOJAVE/GLAST Program		2	9,16,24	72.0
BM254	Ma, C. Johnston, K. Fey, A. Gordon, D. Boboltz, D. Kinghan, K. Behrend, D. Gipson, J. MacMillan, D. Petrov, L. Fomalont, E. Walker, R.C.	NASA-GSFC USNO USNO Raytheon-GSFC USNO USNO NVI-GSFC NVI-GSFC NVI-GSFC NASA-GSFC NRAO-CV NRAO-Socorro	VLBA Geodesy/Astrometry Observations for 2007		3.6 With HhKbNySVtc VaWfWz	1 Scheduled as RDV65	25.0
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 State Boston	Probing blazars through multi-waveband variability		0.7	6,30	48.0
BP134	Piner, B.G. Edwards, P.G. Jones, D.L.	Whittier CSIRO JPL	Persistent 26c component in the blazar 0827+243		0.7,4	5	6.0
BP137	Palmer, P. Goss, M.	Chicago NRAO	Astrometric study of the 6 cm excited state OH masers		6	4	10.0

VLBA Utilization Report August 2007

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BR120	Ros, E. Aller, H.D. Aller, M. Angelakis, E. Irwin, J. Kadler, M. Kaufmann, S. Kerp, J. Kovalev, Y.Y. Marscher, A. Wever, K. Zensus, J.A.	MPIfR Michigan Michigan MPIfR Michigan GSFC Argelander Argelander Lebedev Boston GSFC MPIfR	NGC 1052, key to explore the disk-jet connection in AGN		0.7,1	11	6.0
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	19	8.0
BT093	Torres, R. Loinard, L. Mioduszewski, A. Rodriguez, L.F.	UNAM UNAM NRAO UNAM	Distance to and structure of Taurus and Ophiuchus star forming regions		4	9,18,29	12.0
BW088	Walker, C. Hardee, P. Junor, B. Ly, C.	NRAO Alabama LANL UCLA	M87 Movie at 43 GHz - jet dynamics near the black hole		0.7	4,26	20.0
	Staff	NRAO	Maintenance				70.0

Based on Actual Hours Observed

The average downtime was 11.7 hours 3.8%

Actual observing time was 296.3 hours

The VLBA was scheduled 100.0% of the time 744.0 hours of a possible 744 hours

Astronomical Observations = 41.4% (308.05 hours)
 Tests and Calibrations = 19.6% (146.00 hours)
 Maintenance = 9.4% (70.00 hours)
 Number of Unscheduled hours = 29.6% (219.95 hours)

 Based on Scaled (128Mbps) Observing Hours

Number of scaled hours of astronomical observations = 425.25 hrs

Downtime = 3.8% (16.16 hours)

Actual observing = 408.1 hours

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BB236	Brunthaler, A. Falcke, H. Henkel, C. Menten, K. Reid, M.	MPIfR ASTRON MPIfR MPIfR CfA	Proper motion of IC10 and dark matter in the local group		1.3	23	11.65
BB239	Bertarini, A. Alef, W. Corey, B. Walker, R.C. Nothnagel, A.	MPIfR MPIfR Haystack NRAO-Socorro Bonn Univ.	Effects on the geodetic-VLBI measurables due to polarization leakage		3.6 For correlation in Bonn	11 Scheduled as RD0705	22.70
BC168	Cotton, W.D. Menesson, B. Perrin, G.	NRAO JPL Obs. de Paris	Coordinated VLBA/VLTI/Keck observations of AGB Stars		7	1	10.0
BC170	Claussen, M. Pihlstrom, Y. Sahai, R.	UNM UNM JPL	Parallax Measurements of Protoplanetary and Young Planetary Nebulae		3.6	15	8.0
BG176	Gabanyi, K. Bach, U. Britzen, S. Fuhrmann, L. Krichbaum, T.P. Marchili, N. Witzel, A.	SGO MPIfR MPIfR MPIfR MPIfR MPIfR MPIfR	J1128+592, a new candidate for annual modulation		2,4,6	18	6.0
BK140	Mioduszewski, A.	NRAO	Summer Student Observations		20	14	4.0
BL149	Lister, M. cooper, N. Fromm, C. Kuchibhotla, H.	Purdue Purdue MPIfR Purdue	MOJAVE Program		2	3,16	48.0
BM227	Rioja, M.J. Moscadelli, L. Moscadelli, L. Cesaroni, R. Cesaroni, R. Rioja, M.-J.	OAN, Spain Cagliari Cagliari Arcetri Arcetri OAN, Spain	Ejection and deceleration of H2O masers in high mass protostar IRAS 20126+4104		1.3	21	11.0
BM254	Ma, C. Johnston, K. Fey, A. Gordon, D. Boboltz, D. Kingham, K. Behrend, D. Gipson, J. MacMillan, D. Petrov, L. Fomalont, E. Walker, R.C.	NASA-GSFC USNO USNO Raytheon-GSFC USNO USNO NVI-GSFC NVI-GSFC NVI-GSFC NASA-GSFC NRAO-CV NRAO-Socorro	VLBA Geodesy/Astrometry Observations for 2007		3.6 With HhKbNysvVawzZc	10 Scheduled as RDV64	24.00
BM256	Chatterjee, R. 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		7	12	24.0
BM261	R., ATNF Alef, W. Bains, I. Deller, A. Roy, A. Tingay, S.	MPIfR Swinburne Swinburne MPIfR Swinburne	Deep VLBI imaging of 106 sources in the Chandra deep field south		21	3	9.0
BP131	Piner, B. Edwards, P.G.	Whittier ISAS	Toward establishing a confirmed sample of ultra relativistic jets		7	2	12.0
BP140	Claussen, M. Pratap, P. Strelitski, V.	NRAO Haystack MMO	Sizes of Class I methanol masers in DR 21		7	22	8.0
BR127	Ribo, M. Paredes, J.M. Moldon, J.	Barcelona Barcelona Univ. Barcelona	Is the TeV gamma-ray binary LS 5039 powered by accretion or by a pulsar		6	5, 6, 7, 8, 9	30.0

VLBA Utilization Report July 2007

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BT093	Taylor, G. Torres, R. Blandford, R. Fassnacht, C. Gehrels, N. Healey, S. Helmboldt, J. Loinard, L. Michelson, P. Mioduszewski, A. Myers, S. Pearson, T. Readhead, T. Rodriguez, L.F. Romani, r. Sjouwerman, L. Tremblay, S. Walker, R.C. Weintraub, L.	UNM UNAM KIPAC Calif., Davis NASA KIPAC NRL UNAM KIPAC NRAO NRAO Caltech Caltech UNAM Stanford NRAO UNM NRAO Caltech	Distance to, and structure of the Taurus and O-Ophiuchus star forming regions		3.6	3,10,20,31	17.25
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, R.C. Weintraub, L.	UNM Standford Calif., Davis NASA Stanford NRL Stanford NRAO Caltech Caltech Stanford NRAO UNM NRAO Caltech	Evolution of burgeoning active galactic nuclei		2,4,6	30	17.0
BW086	Wiik, K. Savolainen, T.	Tuorla Tuorla	Multi-frequency polarimetric VLBA follow-up of 3C454.3 after the historic outburst in 2005		2, 3.6, 7	25	12.0
BW088	Walker, R.C. Hardee, P. Junor, B. Ly, C.	NRAO Alabama LANL UCLA	M87 Movie at 43 GHz - Jet dynamics near the black hole		7	15	10.0
	Staff	NRAO	Maintenance				236.0

Based on Actual Hours Observed

The average downtime was 21.4 hours 8.7%

Actual observing time was 255.95 hours

The VLBA was scheduled 60.9% of the time 453.40 hours of a possible 744 hours

Astronomical Observations = 37.3% (277.3 hours)
 Tests and Calibrations = 9.4% (70.2 hours)
 Maintenance = 14.2% (105.8 hours)
 Number of Unscheduled hours = 39.1% (290.8 hours)

 Based on Scaled Observing Hours

Number of scaled hours of astronomical observations = 448.45 hrs

Downtime = 8.7% (39.0 hours)

Actual observing = 409.45 hours

VLBA Utilization Report June 2007

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BB225	Bartkiewicz, A. Szymczak, M. vanLangevelde, H.	Torun Torun JIVE	Nature of methanol maser ring around a young massive star		2	19	10.0
BB236	Brunthaler, A. Falcke, H. Henkel, C. Reid, M.	MPIfR Dwingeloo MPIfR CfA	Proper motion of IC10 and dark matter in the local group		1.3	22	11.50
BC167	Cheung, C.C. Harris, D.E. Junor, W.	Stanford CfA LANL	Continued monitoring of Knot 'HST-1' in the M87 Jet		21, 90	6	8.0
BC169	Cai, H. Chen, X. Shen, Z.	Shao Shao Shao	Study of the absorption in PKS 0528+134		18,21	9	11.50
BD124	Doi, A. Nagai, H. Asada, K. Kameno, S. Wajima, K. Hagiwara, Y. Inoue, M.	Yamaguchi Tokyo Univ. NAOJ NAOJ KAO NAOJ NAOJ	Mrk 1239: prototype of radio-quiet narrow-line Seyfert 1 galaxy		6, 18 With Y1	22, 23	12.0
BD125	Dodson, R. Alcolea, J. Bujarrabal, V. Colomer, F. Rioja, M.J. Soria-Ruiz, R.	OAN OAN OAN OAN OAN JIVE	Frequency phase transfer astrometry to align AGB star maser images		3,7	15	6.0
BJ061	Jones, D. Border, J. Dhawan, V. Fomalont, E. Preston, B. Romney, J. Standish, M.	JPL JPL NRAO-Socorro NRAO-CV JPL NRAO-Socorro JPL	Improvement of the Saturn Ephemis through VLBA Obs. of Cassini Spacecraft		3.6	7	3.0
BJ062	Johnston, K.J. Boboltz, D.A. Fey, A. Ojha, R.	USNO USNO USNO USNO	High precision astrometry of the RS CVn Star SZ Psc		3.6	6	9.0
BK134	Kovalev, Y. Homan, D. Lobanov, A. Pushkarev, A. Zensus, A.	MPIfR Denison MPIfR Crimean Astro Obs. MPIfR	AGN core shift survey		3.6, 21, 2, 13	1	24.0
BK135	Kunert-Bajraszewska Katarzynski, K.	Torun Torun	Milliarsecond scale morphology of compact BAL quasar 1045+352		1.3, 2	15	6.0
BL149	Lister, M. Cooper, N. Fromm, C. Kuchibhotla, H.	Purdue Purdue MPIfR Purdue	VLBA 2cm MOJAVE/GLAST Program		2	3,10	48.0
BL152	Liuzzo, E. Feretti, L. Giovannini, G. Giroletti, M.	Bologna Bologna Bologna Bologna	VLBA Obs. of brightest cluster galaxies in Abell clusters		6	8,14,17	30.0
BM247	Marscher, A. Aller, M.F. Chatterjee, R. Jorstad, S. McHardy, I.	Boston Michigan Boston Boston Southampton	Relation between the X-ray state and energy flow into the jets of radio galaxies		7	1	14.75
BM256	Marscher, A. 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		7	13	24.0
BM262	Momjian, E. Carilli, C.	Arecibo NRAO-Socorro	VLBI Imaging of the z=6.12 radio-loud QSO J1427+3312		21	11	12.0
BP140	Pratap, P. Claussen, M. Strelitski, V.	Haystack NRAO-Socorro MMO	Sizes of Class I methanol masers in DR 21		7	24	8.0

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BR120	Aller, H.d. Ros, E. Aller, M. Angelakis, E. Irwin, J. Kadler, M. Kaufmann, S. Kerp, J. Kovalev, Y.Y. Marscher, A. Weaver, K.A. Zensus, J.A.	Michigan MPIFR Michigan MPIFR Michigan GSFC Argelander Argelander Lebedev Boston GSFC MPIFR	NGC1052, Key to explore the disk jet connection in AGN continuation of the VLBA Campaign		1.3	17	6.0
BS172	Savolainen, T. Rastorgueva, E. Takalo, L. Valtaoja, E. Wiik, K.	Tuorla Tuorla Tuorla Tuorla Tuorla	Multi-frequency polarimetric VLBA monitoring of OJ287 during the predicted outburst		1.3,2,3,7	24	8.0
BT087	Tafaya, D. Gomez, Y. Patel, No. Reid, M.	Cfa UNAM Cfa Cfa	Rotating magnetized disk in the young planetary nebula		18	23	9.30
BT093	Torres, R.M. Loinard, L. Mioduszewski, A. Rodriguez, L.F.	UNAM UNAM NRAO-Socorro UNAM	Distance to and structure of Taurus and Ophiuchus star forming regions		3.6	4,5,9,13,17,21,25,29	37.0
BT094	Taylor, G. Fassnacht, C. Gehrels, N. Healey, S. Helmboldt, J. Michelson, P. Myers, S. Romani, R. Sjouwerman, L. Tremblay, S. Walker, C. Weintraub, L.	UNM Calif., Davis GSFC Stanford NRL Stanford NRAO-Socorro Stanford NRAO-Socorro UNM NRAO-Socorro Caltech	Evolution of burgeoning active galactic nuclei		2, 3.6	30	7.50
BW086	Wiik, K. Savolainen, T.	Tuorla Tuorla	Multi-frequency polarimetric VLBA follow-up of 3C454.3 after historic outburst in 2005		1.3, 2, 3, 7	16	12.0
BW088	Walker, C. Hardee, P. Junor, B. Ly, C.	NRAO-Socorro Alabama LANL UCLA	M87 Movie at 43 GHz - Jet dynamics near the black hole		7	2,21	20.0
GI004	Imai, H. Diamond, P.	Kagoshima U. Manchester	Kinematics of a spherically-expanding circumstellar envelop of W43A		18 For correlation at JIVE	10	12.0
RDV063	Ma, C. Johnston, K. Fey, A. Gordon, D. Boboltz, D. Kingham, K. Behrend, D. Gipson, J. MacMillan, D. Petrov, L. Fomalont, E. Walker, R.C.	NASA-GSFC USNO USNO Raytheon-GSFC USNO USNO NVI-GSFC NVI-GSFC NVI-GSFC NASA-GSFC NRAO-CV NRAO-Socorro	VLBA Geodesy/Astrometry Observations for 2007		3.6 With HhKbNySvVa WzZc	26 Scheduled as RDV63	24.0
	Staff	NRAO	Maintenance				68.0

Based on Actual Hours Observed

The average downtime was 9.7 hours 2.6%

Actual observing time was 365.3 hours

The VLBA was scheduled 74.5% of the time 538.5 hours of a possible 720 hours

Astronomical Observations	=	52.0%	(375.0 hours)
Tests and Calibrations	=	13.5%	(97.0 hours)
Maintenance	=	9.0%	(68.0 hours)

Based on Scaled Observing Hours

Number of scaled hours of astronomical observations = 582.2 hrs

Downtime = 2.6% (15.1 hours)

Actual observing = 567.1 hours

file

VLBA Utilization Report May 2007

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, Granada MPIfR MPIfR MPIfR MPIfR	Monitoring NRAO 150 with multi-frequency polarization		1,2,0.7	10	12.0
BB232	Boboltz, D. Driebe, T. Izumiura, H. Johnston, K. Murakawa, K. Ohnaka, K. Wittkowski, M.	USNO MPIfR Okayama USNO MPIfR MPIfR ESO	Mapping the water masers associated with silicate carbon star		1	25	5.0
BB246	Boboltz, D. Driebe, T. Ohnaka, K. Wittkowski, M.	USNO MPIfR MPIfR ESO	Polychromatic interferometry of evolved stars RR Aql and AH Sco		0.7	26,31	10.0
BC157	Claussen, M. Bond, H. Evans, A. Gehrz, R. Healy, K. Rushton, M. Starrfield, S. Woodward, C.	NRAO-Socorro STScI Keele Minnesota ASU Keele ASU Minnesota	Sio Masers in V838 Monocerotis		0.7	24	8.0
BC167	Cheung, C.C. Harris, D.E. Junor, W.	Stanford SAO LANL	Continued monitoring of Knot 'HST-1' in the M87 jet		20	28	7.75
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	25	8.0
BE050	Eckart, A. Krichbaum, T.P. Schodel, R. Bremer, M. Schuster, K. Meyer, L. Straubmeier, C. Witzel, A. Zensus, J.A.	Cologne MPIfR Cologne IRAM IRAM Cologne Cologne MPIfR MPIfR	Confining the accretion process for SgrA* - Millimeter VLBI on SgrA*		0.3, 0.7, 1.3	15, 16, 17, 18, 19, 20	86.0
BG175	Gawronski, M. Kunert-Bajraszewska	Torun Torun	Central engines of MYMORS		6, 20	26,27	23.25
BK133	Kovalev, Y.Y.	ASC	Monitoring of an unusual GPS quasar 0858-279		1,2,4,6,13,20	23	7.0
BK134	Kovalev, Y. Homan, D. Lobanov, A. Pushkarev, A. Zensus, J.A.	ASC Denison MPIfR Crimean MPIfR	AGN core shift survey: a tool to study intrinsic parameters of relativistic jets		2,4,6,13,20	1,3	30.5
BM247	Marscher, A.P. Aller, M.F. Chatterjee, R. Jorstad, S. McHardy, I.	Boston Michigan Boston Boston Southampton	Relation between the X-ray state and energy flow into jets of radio galaxies		0.7	6,31	33.5
BP131	Piner, B.G. Edwards, P.G.	Whittier ISAS	Toward establishing a confirmed sample of ultrarelativistic jets		0.7	9	12.0
BP134	Piner, B.G. Edwards, P.G. Jones, D.L.	Whittier CSIRO JPL	Persistent 26c component in blazar 0827+243		4, 0.7	21	6.0
BP137	Palmer, P. Goss, W.M.	Chicago NRAO-Socorro	Astrometric study of the 6-cm excited state OH masers in DR21 EX		6	4	10.0

VLBA Utilization Report May 2007

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BR120	Ros, E. Aller, H.D. Angelakis, E. Irwin, J. Kadler, M. Kaufmann, S. Kerp, J. Kovalev, Y.Y. Marscher, A.P. Weaver, K. Zensus, J.A. Aller, M.	MPiFR Michigan MPiFR Michigan GSFC Argelander Argelander Lebedev Boston GSFC MPiFR Michigan	NGC1052, the key to explore the disk-jet connection in AGN continuation of the VLBA campaign		0.7, 1	5	6.0
BS164	Sarma, A.P. Claussen, M.	DePaul NRAO-Socorro	Observations of H2O masers toward high mass protostellar		1	5,28	12.0
BW088	Walker, R.C. Hardee, P. Junor, B. Ly, C.	NRAO-Socorro Alabama LANL UCLA	M87 Movie at 43 GHz-Jet dynamics near the black hole		0.7	9	10.0
GC027	Cawthorne, T.V. Sokolov, A. Marscher, A.P. Jorstad, S.G. Krichbaum, T.P.	Lancashire Lancashire Boston Univ. Boston Univ. MPiFR	Structural variation in core of BL lac		0.3 for correlatio n at Bonn	11	12.5
GK036	Krichbaum, T.P. Bach, U. Agudo, I. Dodson, R. Bremer, M.	MPiFR MPiFR IAA OAN-Yebes IRAM	Polarimetric monitoring of BL Lac object 0716+714		0.3 for correlatio n at 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 for correlatio n at Bonn	13	17.5
GK038	Krichbaum, T.P. Savolainen, T. Wiik, K. Agudo, I. Alef, W. Graham, D. Witzel, A. Zensus, J.A. Bremer, M. Wiesemeyer, H. Ungerechts, H.	MPiFR Tuorla Tuorla IAA MPiFR MPiFR MPiFR MPiFR IRAM IRAM IRAM	Imaging of 3C454.3 after major outburst		0.3 for correlatio n at Bonn	12	18.0
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 for correlatio n at Bonn	14	14.0
GR026	Rastorgueva, E.A. Wiik, K. Savolainen, T. Takalo, L. Krichbaum, T.P.	Tuorla Tuorla Tuorla Tuorla MPiFR	Monitoring the next predicted outburst in OJ287 at 86 GHz		0.3 for correlatio n at Bonn	11	17.0
	Staff	NRAO	Maintenance			3, 1, 8, 16, 22, 29	373.0

Based on Actual Hours Observed

The average downtime was 15.9 hours 4.2%

Actual observing time was 362.1 hours

The VLBA was scheduled 78.9% of the time 593.6 hours of a possible 744 hours

Astronomical Observations	=	51.0%	(378.0 hours)
Tests and Calibrations	=	13.5%	(101.0 hours)
Maintenance	=	15.4%	(114.6 hours)

Based on Scaled Observing Hours

Number of scaled hours of astronomical observations = 721.5 hrs

Downtime = 4.2% (30.3 hours)

Actual observing = 691.2 hours

file

VLBA Utilization Report April 2007

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BB230	Brunthaler, A. Bower, G. Doeleman, S. Falcke, H. Middelberg, E.	MPIfR Calif., Berkeley Haystack Dwingeloo ATNF	Core Shift of Sgr A*		1,4, 0.7, 13	2, 10	12.0
BB231	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	Megamaser Cosmology Project: Measuring Distances to NGC6323 and Mrk1419		1.3 With EB, GB	7, 8, 9, 29	48.0
BB241	Bietenholz, M.F. Bartel, N. Ransom, S. Kondratiev, V.	York U. York U. NRAO-CV West Virginia U.	Proper motion of 3C 58's pulsar		18 With EB, GB	25	12.0
BB243	Black, G. Campbell, D.	Virginia Cornell	Interferometric Radar Observations of asteroid 2006 VV2		13 With GB	1	2.0
BB247	Busch, M.W. Benner, L.A.M. Ostro, S.J. Black, G.J. Kulkarni, S.K.	Caltech JPL JPL Virginia Caltech	Radar Interferometric Imaging of Near-Earth Asteroid 2006 VV2		3.6 With GB	1	1.5
BD121	Dougherty, S. Blomme, R. VanLoo, S. Runacres, M.C. Rauw, G.	NRC Royal Obs Belgium Royal Obs Belgium Vrije Univ. Leige	A rotating wind-collision region in Cyg OB2 No. 9?		3.6, 6, 18 With Y1	21	12.0
BD122	Dougherty, S. Pittard, J. O'Connor, E. Beasley, A.J. Claussen, M.J.	NRC Leeds UPEI NRAO-Santiago NRAO-Socorro	Wind-collision evolution in WR 140		0.7, 1.3, 2, 3.6, 6, 18 With Y1	20	12.0
BK134	Kovalev, Y. Homan, D. Lobanov, A. Pushkarev, A. Zensus, A.	MPIfR Denison MPIfR Crimean Astrophysica MPIfR	AGN Core shift survey		2,4,6,13,2 0	30	15.75
BL137	Lister, M. Aller, H. Aller, M.F. Arshakian, T. Homan, D. Kadler, M. Kellermann, K. Kovalev, Y.Y. Lobanov, A. Ros, E. Zensus, J.A.	Purdue Michigan Michigan MPIfR Denison MPIfR NRAO-CV NRAO-GB MPIfR MPIfR MPIfR	MOJAVE II		2	18	24.0
BL150	Loinard, L. Mioduszewski, A.J. Torres, R.M. Rodriguez, L.F.	UNAM NRAO-Socorro UNAM UNAM	A Survey of X-ray and Radio Emitting Young Stars in Taurus		3.6 With Y27	13, 19, 23, 27	42.75
BM244	Moscadelli, L.	Cagliari	Gas kinematics around high mass YSOs explored via maser associations		20	13,27,28	18.0
BM247	Marscher, A. Aller, M.F. Chatterjee, R. Jorstad, S. McHardy, I.	Boston Michigan Boston Boston Southampton	Relation between X-ray state and energy flow into jets of radio galaxies		0.7	11	24.0
BR100	Reid, M. Greenhill, L. Menten, K. Moscadelli, L. Xu, Y. Zhenz, X.W.	CfA CfA MPIfR Cagliari Nanjing Nanjing	Spiral structure and kinematics of the milky way		2	16,19	20.0
BR106	Reid, M. Menten, K.	CfA MPIfR	Enigmatic star VY CMa		0.7	14	8.25
BR121	Reid, M. Brunthaler, A. Menten, K. Xu, Y. Zheng, X.-W.	CfA MPIfR MPIfR MPIfR Najing	Trigonometric parallax for the galactic center		1	15,22	16.0
BR124	Reid, M. Brunthaler, A.	CfA MPIfR	Proper motion of SGR A*		0.7	1,5,11	24.0

VLBA Utilization Report April 2007

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
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		0.7, 1, 2, 3, 4	9	8.0
BT087	Tafoya, D. Gomez, Y. Patel, N. Reid, M.	CfA UNAM CfA CfA	Rotating magnetized disk in the young planetary nebula K 3-35		20	14	9.25
BW086	Wiik, K. Savolainen, T.	Tuorla Tuorla	Multi-frequency polarimetric VLBA follow-up of 3C454.3 after the historic outburst in 2005		0.7	3,23	12.0
BW088	Walker, C.	NRAO-Socorro	M87 Movie at 43 GHz - jet dynamics near the black hole		0.7	3, 23	20.0
	Staff	NRAO	Maintenance				92.0

Based on Actual Hours Observed

The average downtime was 11.25 hours 3.3%

Actual observing time was 330.25 hours

The VLBA was scheduled 65.1% of the time 469.4 hours of a possible 720 hours

Astronomical Observations = 47.4% (341.5 hours)
 Tests and Calibrations = 8.3% (59.9 hours)
 Maintenance = 9.4% (68.00 hours)

 Based on Scaled Observing Hours

Number of scaled hours of astronomical observations = 674.0 hrs

Downtime = 3.3% (22.25 hours)

Actual observing = 651.75 hours

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BB225	Bartkiewicz, A. Brunthaler, A. Szymczak, M. vanLangevelde, H.	Torun Centre MPIfR Torun Centre JIVE	Nature of the methanol maser ring around a young massive star		2	21	10.0
BB230	Brunthaler, A. Bower, G.C. Doeleman, S. Falcke, H. Middelberg, E.	MPIfR Calif., Berkeley Haystack Dwingeloo ATNF	Core shift of Sgr A*		0.7, 4, 3, 13	31	6.25
BB247	Busch, M.W.	JPL	Radar Interferometric Imaging of Near-Earth Asteroid 2006 VV2		3.6 with GB	30	1.5
BB248	Braatz, J. Condon, J. Greenhill, L. Henkel, C. Lo, K.Y. Reid, M. Reid, M.	NRAO-GB NRAO-CV Cfa MPIfR NRAO-CV Cfa Cfa	Megamaser cosmology project		1	9	10.0
BC170	Creel, B. Claussen, M. Pihlstrom, Y. Sahaï, R.	UNM NRAO-Socorro UNM JPL	Parallax measurements of proto-planetary and young planetary nebulae		1, 20	27	8.0
BD123	Dodson, R. Dhawan, V. Porcas, R. Rioja, M.J.	OAN NRAO-Socorro MPIfR OAN	Frequency phase transfer astrometry for mm-VLBI		0.3, 0.7	6,14,20	3.0
BH147	Harvey-Smith, L. Cohen, R.J. Soria-Ruiz, R.	JIVE Manchester JIVE	Imaging the possible circumstellar disc in the centre of W# (OH)		2	19	12.0
BJ061	Jones, D. Border, J. Dhawan, V. Fomalont, E. Preston, B. Romney, J. Standish, M.	JPL JPL NRAO-Socorro NRAO-CV JPL NRAO-Socorro JPL	Improvement of the Saturn Ephemeris through VLBA observations of the Cassini Spacecraft		4	1	3.0
BJ062	Johnston, K. Boboltz, D. Fey, A. Ojha, R.	USNO USNO USNO USNO	High precision astrometry of the RS CVn Star SZ Psc		4	24	9.0
BK134	Kovalev, Y. Homan, D. Lobanov, A. Pushkarev, A. Zensus, J.A.	MPIfR Denison MPIfR Crimean Obs. MPIfR	AGN core shift survey		2,4,6,13,2 0	1,22	48.0
BL122	Lanyi, G. Boboltz, D. Charlot, P. Fey, A. Fomalont, E. Gordon, D. Ma, C. Romney, J. Sovers, O. Taylor, G. Ulvestad, J.	JPL USNO Bordeaux USNO NRAO-CV GSFC GSFC NRAO-Socorro Remote Sensing UNM NRAO-Socorro	High precision K/Q-band astrometry		1	30	24.0
BL137	Lister, M.L. Aller, H.D. Aller, M.F. Arshakian, T. Homan, D. Kadler, M. Kellermann, K. Kovalev, Y. Lobanov, A. Ros, E. Vermeulen, R. Zensus, J.A.	Purdue Michigan Michigan MPIfR Denison MPIfR NRAO-CV NRAO-CV MPIfR MPIfR ASTRON MPIfR	MOJAVE II		2	2,28	48.0
BM234	Menten, K. Reid, M.	MPIfR Cfa	Parallax and proper motion of Orion X-ray stars		4	5	10.0

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BM247	Marscher, A. Aller, M.F. Chatterjee, R. Jorstad, S. McHardy, I.	Boston Michigan Boston Boston Southampton	Relation between the X-ray state and energy flow into the jets of radio galaxies		0.7	11	24.0
BM254	Ma, C. Johnston, K. Fey, A. Gordon, D. Boboltz, D. Kinghan, K. Behrend, D. Gipson, J. MacMillan, D. Petrov, L. Fomalont, E. Walker, R.C.	NASA-GSFC USNO USNO Raytheon-GSFC USNO USNO NVI-GSFC NVI-GSFC NVI-GSFC NASA-GSFC NRAO-CV NRAO-Socorro	VLBA Geodesy/Astrometry Observations for 2007		3.6 With HhKbKkNyTs VwZzC	27 Scheduled as RDV62	25.0
BM257	McClintock, J. Dhawan, V. Narayan, R. Reid, M. Remillard, R.	Cfa NRAO-Socorro Cfa Cfa MIT	Is the black hole in the microquasar GRS1915+105 spinning maximally?		1	15	8.0
BR100	Reid, M. Greenhill, L. Menten, K. Moscadelli, L. Xu, Y. Zheng, X.W.	Cfa Cfa Cfa Cagliari Nanjing Nanjing	Spiral structure and kinematics of the Milky Way		2	16,18,25	29.75
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.A. Zensus, J.A.	MPIfR Michigan Michigan MPIfR Michigan GSFC Argelander Inst. Argelander Inst. NRAO-GB Boston 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
BR121	Reid, M.J. Brunthaler, A. Menten, K. Xu, Y. Zheng, X.-W.	Cfa MPIfR MPIfR MPIfR Nanjing	Trigonometric parallax for the Galactic Center		1	10,17,25	24.0
BR123	Richter, L. Kemball, A.J.	Rhodes Univ. Univ. Illinois	SiO maser polarization in several transitions in VY CMa		0.3, 0.7 with Y1	15, 16, 17, 18	40.0
BS171	Schaefer, G. Prato, L. Zavala, B.	STSci Lowell USNO	Trigonometric parallax of the young triple star Elias 12		4	10	10.0
BS174	Sokoloski, J. Mioduszewski, A. Rupen, M.	Cfa NRAO-Socorro NRAO-Socorro	High spatial resolution monitoring of 2007 outburst of the jet-producing white dwarf in CH Cygni		6,20	3,5,8	24.0
BW088	Walker, R.C. Hardee, P. Junor, B. Ly, C.	NRAO-Socorro Alabama LANL Calif., Los Angeles	M87 MOVIE at 43 GHz-jet dynamics near the black hole		0.7	9,13	20.0
GT007	Taylor, G.B. Rodriguez, C. Peck, A. Zavala, R. Staff	UNM UNM/USB Cfa Naval Observatory NRAO	Weighing the Binary Black Hole System in 0402+379		18 With EB, WB, JB, ON	14	10.50
			Maintenance				68.0

Based on Actual Hours Observed

The average downtime was 24.8 hours 6.0%

Actual observing time was 388.2 hours

The VLBA was scheduled 78.2% of the time 582.15 hours of a possible 744 hours

Astronomical Observations	=	55.5%	(413.00 hours)
Tests and Calibrations	=	13.6%	(101.15 hours)
Maintenance	=	9.1%	(68.00 hours)

Based on Scaled Observing Hours

Number of scaled hours of astronomical observations = 605.0 hrs

Downtime = 6.0% (36.3 hours)

Actual observing = 568.7 hours

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Prog#	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BA068	Asaki, Y. Deguchi, S. Hachisuka, K. Honma, M. Imai, H. Miyoshi, M.	ISAS NRO Valencia NAOJ JIVE NAOJ	Measuring the transverse motion of a galactic evolved star		1,2	22	7.0
BA082	Agudo, I. Gomez, J.L. Jorstad, S. Lobanov, A. Marscher, A.P. Marti, J. Perucho, M. Roca-Sogorb, M. Roy, A.	MPIFR IAA Boston MPIFR Boston Valencia MPIFR IAA MPIFR	Astrometry of wobbling jets in blazars		1,0.7	26	16.0
BB227	Braatz, J.A.	NRAO-GB	Imaging the water megamaser in galaxy UGC 3789		1.3 With EB, GB	10	12.0
BB238	Boboltz, D.A. Claussen, M. Driebe, T. Ohnaka, K. Wittkowski, M.	USNO NRAO-Socorro MPIFR MPIFR ESO	Polychromatic interferometry of Mira variables S Ori and GX Mon		1	18,20,22	15.0
BC162	Cimo, G. Dickey, J.	MPIFR Tasmania	Intra-day variables scintillation properties		3.6, 6 with GB	23	4.0
BD119	Dodson, R. Dhawan, V. Porcas, R. Rioja, M.J.	OAN NRAO-Socorro MPIFR OAN	Frequency phase transfer astrometry for mm-VLBI		0.3, 0.7	18	7.0
BD123	Dhawan, V. Dodson, R. Porcas, R. Rioja, M.J.	NRAO-Socorro OAN MPIFR OAN	Frequency phase transfer astrometry for mm-VLBI		0.3, 0.7	3	1.0
BG162	Granot, J. Ramirez-Ruiz, E. Taylor, G.B. Stockdale, C.J. VanDyk, S.D. Weiler, K. Sramek, R. Panagia, N. Kelley, M.	KIPAC IAS UNM Marquette Univ. Caltech-IPAC NRL NRAO-Socorro STScI Cornell	Proper motion of type Ib/c SN 2001em		3.6 With EB, GB, Y27	4	10.0
BG169	Greenhill, L.J. Braatz, J.A. Henkel, C. Kuiper, T. Jauncey, D. Lovell, J.E.J. Madejski, G. Moran, J. Peck, A. Wilson, A.	CfA NRAO-GB MPIFR JPL ATNF ATNF NASA-GSFC CfA CfA Maryland	Mapping the accretion disks in the IC2560 and NGC3393 AGN		1.3 With GB, Y27	1	10.75
BH146	Horiuchi, S. Briskin, W. Tingay, S.	Swinburne NRAO-Socorro Swinburne	Precession of parsec scale jet in BL Lac object PKS 0003-066		4, 0.7, 1, 6	15	8.0
BI033	Imai, H. Deguchi, S. Kwok, S. Nakashima, J.	Kagoshima Nobeyama Hong Kong ASIAA	Mapping two newly found water fountains		1	3	8.0
BK133	Kovalev, Y.	ASC	Monitoring of unusual GPS quasar 0858-279		1,2,4,6,13, 20	9	7.0
BL137	Lister, M. Aller, H.D. Aller, M.F. Arshakian, T. Homan, D.C. Kadler, M. Kellermann, K. Kovalev, Y.Y. Lobanov, A. Ros, E. Vermeulen, R. Zensus, J.A.	Purdue Michigan Michigan MPIFR Denison MPIFR NRAO-CV NRAO-CV MPIFR MPIFR ASTRON MPIFR	MOJAVE II Program		2	5	24.0

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BL147	Loinard, L. Mioduszewski, A. Rodriguez, L.F. Torres, R.A.	UNAM NRAO-Socorro UNAM UNAM	Mapping out distribution of nearby star forming regions and molecular complexes		4	23	5.0
BL150	Loinard, L. Mioduszewski, A.J. Torres, R.M. Rodriguez, L.F.	UNAM NRAO-Socorro UNAM UNAM	A Survey of X-ray and Radio Emitting Young Stars in Taurus		3.6 With Y27	9	12.0
BM239	Moscadelli, L. Claussen, M. Furuya, R. Goddi, C. Kitamura, Y. Testi, L. Wootten, A.	Cagliari NRAO-Socorro Caltech Cagliari ISAS Arcetri NRAO-CV	Absolute proper motions of H2O masers in Serpens SMM1		1	10	8.0
BM247	Marscher, A. Aller, M. Chatterjee, R. Jorstad, S. McHardy, I.	Boston Michigan Boston Boston Southampton	Relation between the X-ray state and energy flow into jets of radio galaxies		0.7	11	24.0
BM250	Moscadelli, L. Cesaroni, R. Goddi, C. Reid, M. Rioja, M.J.	Arcetri Arcetri Arcetri CfA OAN	Distance to high mass protostar IRAS 20126+4104		0.7	11	10.0
BM253	Momjian, E. Knudsen, K.K. Carilli, C. Wang, W.-H.	Arecibo MPIA NRAO-Socorro NRAO-Socorro	Compact Radio Emission of the Luminous SMG GOODS 850-3 at z=1.8		18 With GB, Y27	13	9.0
BM257	McClintock, J. Dhawan, V. Narayan, R. Reid, M. Remillard, R.	CfA NRAO-Socorro CfA CfA MIT	Is the black hole in the Microquasar GRS1915+105 spinning maximally		1	9	3.0
BP131	Piner, B.G. Edwards, P.G.	Whittier ISAS	Toward establishing a confirmed sample of ultrarelativistic jets		0.7	16	12.0
BP134	Piner, B.G. Edwards, P.G. Jones, D.L.	Whittier CSIRO JPL	Persistent 26c component in Blazar 0827+243		4, 0.7	14,27	12.0
BS166	Szymczak, M. Bartkiewicz, A. Diamond, P. Gerard, E.	Torun Torun Manchester Obs. de Paris	Polarized OH outburst in a proto-planetary nebulae		20	28	12.0
BT088	Taylor, G. Fassnacht, C. Healey, S. Heimboldt, J. Myers, S. Pearson, T. Readhead, T. Romani, R. Sjouwerman, L. Walker, R.C. Weintraub, L.	UNM Calif., Davis Stanford UNM NRAO-Socorro Caltech Caltech Stanford NRAO-Socorro NRAO-Socorro Caltech	Investigating supermassive binary black hole candidates from VIPS		2,4,6	19	17.0
BV059	Vlemmings, W.H.T. Torrelles, J.M. van Langevelde, H.	Manchester Barcelona JIVE	Co-evolution of methanol and water maser filaments in Cepheus A starforming region		1	25	5.0
BW088	Walker, R.C. Hardee, P. Junor, B. Ly, C.	NRAO-Socorro Alabama LANL Calif., Los Angeles	M87 Movie at 43 GHz		0.7	17	10.0
	Staff	NRAO	Maintenance				92.0

Based on Actual Hours Observed

The average downtime was 10.5 hours 3.9%

Actual observing time was 258.25 hours

The VLBA was scheduled 70% of the time 475.75 hours of a possible 672 hours

Astronomical Observations	=	40.0%	(268.75 hours)
Tests and Calibrations	=	20.0%	(137.00 hours)
Maintenance	=	10.0%	(68.00 hours)

Based on Scaled Observing Hours

Number of scaled hours of astronomical observations = 386.75 hrs

Downtime = 3.9% (15.1hours)

Actual observing = 371.65 hours

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Prog#	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BB200	Brunthaler, A. Falcke, H. Greenhill, L. Henkel, C. Reid, M.	JIVE ASTRON CfA MPIfR JIVE	Geometric distance to M33		1	7,15	24.0
BB229	Brunthaler, A. Reid, M. Henkel, C. Menten, K. Bower, G.C. Falcke, H.	MPIfR CfA MPIfR MPIfR Calif.-Berkeley ASTRON	Measuring the orbits of M81 and M82		1,2,4	26, 28	24.0
BB232	Boboltz, D. Driebe, T. Izumiura, H. Johnston, K. Murakawa, K. Ohnaka, K. Wittkowski, M.	USNO MPIfR Okayama Obs. USNO MPIfR MPIfR ESO	Mapping water masers associated with the silicate carbon star		1.3	29	5.0
BC157	Claussen, M. Bond, H. Evans, A. Gehrz, R. Healy, K. Rushton, M. Starrfield, S. Woodward, C.	NRAO-Socorro STScI Keele Minnesota ASU Keele ASU Minnesota	Obs. of SiO masers in V838 Monocerotis		0.7	4	8.0
BC167	Cheung, C. Harris, D.E. Harris, D.E. Junor, W.	Stanford SAO SAO LANL	Continued monitoring of Knot 'HST-1' in the M87 Jet		20	30	7.75
BE044	Edwards, P. Falcone, A. Horan, D. Jung, I. Krawczynski, H. Piner, G.	ISAS Penn State SAO Washington Univ. Washington Univ. Whittier	Doppler crisis		1	27	5.0
BG169	Greenhill, L.J.	CfA	Mapping the accretion disks in the IC2560 and NGC3393 AGN		1.3	24, 31	20.0
BJ045	Junor, B.	LANL	Deep 3mm obs. of Virgo A Core		0.3, 0.7	17	6.30
BL137	Lister, M. Aller, H.D. Aller, H.D. Aller, M. Arshakian, T. Koman, D. Kadler, M. Kellermann, K. Kovalev, Y.Y. Lobanov, A. Ros, E. Vermeulen, R. Zensus, J.	Purdue Michigan Michigan Michigan MPIfR Denison MPIfR NRAO-CV NRAO-GB MPIfR MPIfR ASTRON MPIfR	MOJAVE II Program		2	6	24.0
BL146	Loinard, L. Moiduszewski, A. Rodriguez, L. Torres, R.	UNAM NRAO-Socorro UNAM UNAM	Very accurate dynamical mass of a pre-main sequence spectroscopic binary		4	9	5.0
BM239	Moscadelli, L. Claussen, M. Furuya, R. Goddi, C. Kitamura, Y. Testi, L. Wootten, A.	Cagliari NRAO-Socorro Caltech Cagliari Obs. ISAS Arcetri NRAO-Socorro	Absolute proper motions of H2O masers in Serpens SMM1		1	8	8.0
BM244	Moscadelli, L. Beltran, M.T. Cesaroni, R. Codella, C. Furuya, R. Goddi, C.	Cagliari Barcelona Arcetri IRA Caltech Cagliari	Gas kinematics around high mass YSOs explored via maser associations		1	4,7,18	18.0

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BO028	Boboltz, D. Driebe, T. Izumura, H. Muradawa, K. Ohnaka, K. Wittkowski, M.	USNO MPIfR Okayama MPIfR MPIfR ESO	Water masers around the silicate carbon star EU and a warped disk or helical jet		1	13	5.0
BP133	Petrov, L. Fomalont, E. Gordon, D. Kovalev, Y.Y.	NASA NRAO-CV NASA ASC	Follow-up of the VLBA Calibrator Survey		4,13	11	24.0
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 NRAO-GB Boston GSFC MPIfR	NGC1052, Key to explore the disk jet connection in AGN continuation of the VLBA campaign		1, 0.7	14	6.0
BT087	Tafoya, D. Gomez, Y. Patel, N. Reid, M.	Cfa UNAM Cfa Cfa	Rotating magnetized disk in young planetary nebula K 3-35		20	3	9.30
BV059	Vlemmings, W. Torrelles, J.M. vanLangevelde, H.	Manchester Barcelona JIVE	Co-evolution of Methanal and water maser filaments in Cepheus A starforming region		2	28	5.0
BW086	Wiik, K. Savolainen, T.	Tuorla Tuorla	Multi-frequency polarimetric VLBA follow-up of 3C454.3		0.3,0.7,1, 2,4,6	26	12.0
BW088	Walker, R.C. Hardee, P. Junor, B. Ly, Chun	NRAO-Socorro Alabama LANL Calif., Los Angeles	M87 Movie at 43 GHz-jet dynamics near the black hole		0.7	27	10.0
RDV061	Ma, C. Johnston, K. Fey, A. Gordon, D. Boboltz, D. Kinghan, K. Behrend, D. Gipson, J. MacMillan, D. Petrov, L. Fomalont, E. Walker, R.C.	NASA-GSFC USNO USNO Raytheon-GSFC USNO USNO NVI-GSFC NVI-GSFC NVI-GSFC NASA-GSFC NRAO-CV NRAO-Socorro	VLBA Geodesy/Astrometry Observations for 2007		13,4	24	24.0
S80394	Sanders, J. Dunn, R. Fabian, A. Taylor, G.	Cambridge Cambridge Cambridge UNM	Cluster and AGN interaction in 2A 0335+096		6	5	5.0
	Staff	NRAO	Maintenance				109.0

Based on Actual Hours Observed

The average downtime was 15.3 hours 6%

Actual observing time was 240 hours

The VLBA was scheduled 67.6% of the time 494.8 hours of a possible 736 hours (744 - 8 due New Years shutdown shutdown)

Astronomical Observations	=	34.6%	(255.3 hours)
Tests and Calibrations	=	22.0%	(160.5 hours)
Maintenance	=	11.0%	(79.0 hours)

Based on Scaled Observing Hours

Number of scaled hours of astronomical observations = 380.8 hrs

Downtime = 6.0% (22.8 hours)

Actual observing = 358.0 hours