Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BA080	Asada, K. Inoue, M.	NAOJ NAOJ	Trimonthly monitoring observation of the helical magnetic field in 3C 273 jet		2,4,6	3	8.0
BB209	Boyce, E. Hewitt, J. Myers, S.T.	MIT MIT NRAO-Socorro	Observations of gravitational lens central images		6 With AR, GB, Y27	3	2.5
BB225	Bartkiewicz, A. Brunthaler, A. Szymczak, M. van Langevelde, H.	Torun MPIfR Torun JIVE	Nature of methanol maser ring around a young massive star		2	14	10.0
BB227	Braatz, J.A.	NRAO-GB	Imaging the water megamaser in galaxy UGC 3789		1.3 With EB, GB	10	12.0
BB228	Bietenholz, M.F. Bartel, N. Rupen, M.	York U. York U. NRAO-Socorro	Evolution of central source in SN 1986J		1.3, 3.6 With EB, GB, Y27	3, 10	30.0
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	23, 27, 29, 30	40.0
BB233	Bietenholz, M.F. Bartel, N.	York U. York U.	Does the Ursa Minor Dwarf Spheroidal Host an Intermediate-Mass BlackHole		6 With EB, GB	11	8.0
BB234	Boyce, E. Winn, J.N. Myers, S.T.	MIT MIT NRAO-Socorro	Investigating the Third Radio Source in B2319+051		6, 18 With AR. GB, Y27	21	10.0
BL128	Loinard, L. Mioduszewski, A. Rodriguez, L. Torres, R.M.	UNAM NRAO-Socorro UNAM UNAM	Distance to Taurus and Ophiuchus from multi-epoch VLBA observations		4	20,22	8.0
BL137	Lister, M. Aller, H.D. Aller, M.F. Arshakian, T. Homan, D. Kadler, M. Kellermann, K. Kovalev, Y.Y. Lobanov, A. Ros, E. Vermeulen, R. Zensus, J.	Purdue Michigan Michigan MPIfR Denison MPIfR NRAO-CV NRAO MPIfR MPIfR ASTRON MPIfR	MOJAVE II Program		2,4	1,30	28.0
BL147	Loinard, L. Mioduszewski, A. Rodriguez, L.F. Torres, R.A.	UNAM NRAO-Socorro UNAM UNAM	Mapping out the distribution of nearby star forming regions and molecular complexes		4	20	5.0
BM247	Marscher, A.P. Aller, J.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	17	24.0
BM253	Momjian, E. Knudsen, K.K. Carilli, C. Wang, W.-H.	Arecibo MPIA NRAO-Socorro Hawaii	Compact Radio Emission of the Luminous SMG GOODS 850-3 at z=1.8		18 With GB, Y27	9	7.0
BP133	Petrov, L. Fomalont, E. Gordon, D. Kovalev, Y.Y.	NASA NRAO-CV NASA ASC	Follow-up of VLBA calibrator survey		4,13	18	24.0
BS150	Savolainen, T. Rastorgueva, E. Takalo, L. Valtaoja, E. Valtonen, M. Wiik, K.	Tuorla Tuorla Tuorla Tuorla Tuorla Tuorla	Multi-frequency polarimetric VLBA monitoring of next predicted outburst inOJ287		0.3,0.7,1, 2,4	6	8.0
BS160	Shen, Z. Chen, X. Jiang, D.	ShAO ShAO ShAO	Simultaneous observations of three 7mm SiO masers toward VX Sgr at five epochs		0.7	15	8.0
BW086	Wiik, K. Savolainen, T.	Tuorla Tuorla	Multi-frequency polarimetric VLBA follow up of 3C454.3 after the historic outburst in 2005		0.3, 0.7, 1,2,4,6	4	12.0

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
GC028	Conway, J.E. Parra, R. Diamond, P. Lonsdale, C.J. Hurley, R. Thrall, H. Lonsdale, C.J. Smith, H.E.	Onsala Onsala Jodrell Bank Haystack Onsala Jodrell Bank Caltech-IPAC CFA	Sensitive high frequency observations of the compact sources in Arp 220		2 with EB, Y27	28	14.0
RDV060	Johnston, K. Fey, A. Ma, C. Gordon, D. Boboltz, D. Kingham, K. Behrend, D. Gipson, J. MacMillan, D. Petrov, L. Fomalont, E. Walker, C.	USNO USNO NASA-GSFC Raytheon-GSFC USNO USNO NVI-GSFC NVI-GSFC NASA-GSFC NRAO-CV NRAO-Socorro	Geodesy/astrometry observations for 2006		3.6 With HoKbNyOnTs WfWz	6 Scheduled as RDV60	24.0
	Staff	NRAO	Maintenance				91.0

Based on Actual Hours Observed

The average downtime was 17.5 hours 6.2%

Actual observing time was 265.0 hours

The VLBA was scheduled 55.2% of the time 391.8 hours of a possible 716 hours (744-24 - 4 due to Xmas and New Years shutdown

Astronomical Observations = 40.0% (282.5 hours)
Tests and Calibrations = 5.7% (41.3 hours)
Maintenance = 9.5% (68.0 hours)

Based on Scaled Observing Hours

Number of scaled hours of astronomical observations = 586.1 hrs

Downtime = 6.2% (36.3 hours)

Actual observing = 548.8 hours

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BA078	Agudo, I. Bach, U. Gomez, J.L. Krichbaum, T. Roy, A. Roy, A. Witzel, A. Zensus, J.A.	MPIfR Torino IAA MPIfR MPIfR MPIfR MPIfR MPIfR	Monitoring NRAO 150 with multi-frequency polarimetry		2,4,07,1	23	12.0
BA082	Agudo, I. Gomez, J.L. Jorstand, S. Lobanov, A. Marscher, A. Marti, J. Perucho, M. Roca-Sogorb, M. Roy, A.	MPIfR IAA Boston MPIfR Boston Valencia MPIfR IAA MPIfR	Astrometry of wobbling jets in blazars		0.7, 1	16	16.0
BC167	Cheung, C. Harris, D.E. Junor, W.	Stanford SAO LANL	Continued monitoring of Knot 'HST-1' in the M87 Jet		20	11	7.80
BD114	Dougherty, S. Pittard, J. O'Connor, E. Beasley, A.J. Claussen, M.J.	DRAO Leeds UPEI NRAO-Santiago NRAO-Socorro	Structural monitoring of colliding-wind binary WR140		0.7, 1.3, 2, 3.6, 6, 18 With Y1	5	12.0
BE044	Edwards, P. Falcone, A. Horan, D. Jung, I. Krawczynski, H. Piner, G.	ISAS Penn State SAO Washington Univ. Washington Univ. Whittier	Doppler crisis		6	1,21	12.0
BH136	Brunthaler, A. Hachisuka, K. Hagiwara, Y. Menten, K. Mochizuki, N. Reid, M.	JIVE MPIfR NAOJ MPIfR ISAS CfA	Astrometry of H20 maser sources in outer part of the galaxy		1	29	6.0
BI033	Imai, H. Deguchi, S. Kwok, S. Nakashima, J.	Kagoshima Nobeyama Hong Kong ASIAA	Mapping two newly found water fountains with the VLBA		1	9	8.0
BL137	Lister, M. Aller, H.D. Aller, M.F. Arshakian, T. Homan, D. 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-GB MPIfR MPIfR ASTRON MPIfR	MOJAVE II Program		2,4	10	24.0
BL147	Loinard, L. Mioduszewski, A. Rodriguez, L. Torres, R.	UNAM NRAO-Socorro UNAM UNAM	Mapping out the distribution of nearby star-forming regions		4	3,8	10.0
BM132	Migenes, V. Altunin, V. Horiuchi, S. Ludke, E. Mendoza, E. Slysh, S.	Guanajuato JPL NAOJ CCNE INAOE ASC	Search for small angular sized OH maser regions		20	19	5.0
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 H20 masers in Serpens SMM1		1	1,26	16.0

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BM248	Marscher, A. Aller, M.F. D'Arcangelo, F. Hagen-Thorn, V. Jorstad, S. Larionov, V. McHardy, I.	Boston Michigan Boston St. Petersburg Boston St. Petersburg Southampton	Probing compact jets through multi waveband variability and polarization		0.7	17	16.0
BM251	Miller, N. Wrobel, J. Ho, L.C.	Johns Hopkins NRAO-Socorro Carnegie Obs.	HSA Observations of the Intermediate-Mass Black Hole in J170902+641728		18 With GB, Y27	2	8.0
BM252	Majid, W. Bagri, D. Fomalont, E.	JPL JPL NRAO-CV	Compactness of weak radio sources at high frequencies		4, 13	6,13	20.0
BP128	Peck, G. Marrone, D. Myers, S. Taylor, G. Zavala, B.	CfA Harvard NRAO UNM USNO	Multi-wavelength analysis of the record outburst in 3C454.3		1,2,4,6	27	6.0
BP131	Piner, B.G. Edwards, P.G.	Whittier ISAS	Toward establishing a confirmed sample of ultra relativistic jets		0.7	18	12.0
BP134	Piner, B.G. Edwards, P.G. Jones, D.L.	Whittier CSIRO JPL	Persistent 26c component in the blazar 0827+243		0.7, 4	29	6.0
BP138	Petrov, L. Gipson, J. Gordon, D. Ma, C. MacMillan, D.	NVI NVI Raytheon NASA-GSFC NVI	Measurement of post-seismic displacement of MK-VLBA caused by the Hawaii earthquake on 2006.10.15		4,13	8	24.0
BS169	Stanghellini, C. Venturi, T. Dallacasa, D. Tao, A. Xiao-Yu, Hong	Bologna Bologna Bologna Shanghai Shanghai	Hot spot separation velocity in three compact symmetric objects		4	3	16.25
BT088	Taylor, G. Fassnacht, C. Healey, S. Helmboldt, J. Myers, S. Pearson, T. Readhead, T. Romani, R. Sjouwerman, L. Walker, C. Weintraub, L.	UNM Calif.-Davis Stanford UNM NRAO-Socorro Caltech Caltech Stanford NRAO-Socorro NRAO-Socorro Caltech	Investigating supermassive binary black hole conadidates		2,4,6	4,22	34.0
BV059	Vlemmings, W.H.T. Torrelles, J. vanLangevelde, H.	Manchester Barcelona JIVE	Co-evolution of methanol and water maser filaments in Cepheus A starforming region		1	25	5.0
BW077	Walker, C. Benson, J. Hardee, P.	NRAO-Socorro NRAO-Socorro Alabama	Constraining posible helical flow in 3C 120 at 1.7 GHz		20	17	12.50
GA023	Anderson, J.M. Noordam, J.	JIVE Dwingeloo	Wide-field ionospheric calibration for VLBI		90 For correlation at JIVE	27, 28	4.0
GC028	Conway, J.E. Parra, R. Diamond, P. Lonsdale, C.J. Hurley, R. Thrall, H. Lonsdale, C.J. Smith, H.E.	Onsala Onsala Jodrell Bank Haystack Onsala Jodrell Bank Caltech-IPAC CFA	Sensitive high frequency observations of the compact sources in Arp 220		2, 3.6 For correlation at JIVE	28	14.0
	Staff	NRAO	Maintenance				98.0

Based on Actual Hours Observed

The average downtime was 7.97 hours 2.6%

Actual observing time was 298.8 hours

The VLBA was scheduled 60.6% of the time 431.05 hours of a possible 720 hours

Astronomical Observations	=	42.6%	(306.55 hours)
Tests and Calibrations	=	8.0%	(55.5 hours)
Maintenance	=	10.0%	(70.0 hours)

Based on Scaled Observing Hours

Number of hours of observing possible = 720 hours

Number of scaled hours of astronomical observations = 410.15 hrs

Downtime = 2.6% (10.66 hours)

Actual observing = 399.47 hours

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BE044	Edwards, P. Falcone, A. Horan, D. Jung, I. Krawczynski, H. Piner, G.	ISAS Penn State SAO Washington Univ. Washington Univ. Whittier	Doppler Crisis of TeV sources		1	15,16,17,22,25,27	32.0
BE047	Edwards, P. Piner, G.	ISAS Whittier	PG 1553+113 - new TeV blazar		1	30	10.0
BJ061	Jones, D. Border, J. Fomalont, E. Preston, B. Romney, J. Standish, M.	JPL JPL NRAO-CV JPL NRAO-Socorro JPL	Improvement of Saturn Ephemeris through VLBA Obs. of Cassini Spacecraft		4	11	3.0
BK132	Kharb, P. Baum, S. O'Dea, C.	Rochester Rochester Rochester	Radio core in Markarian 6		6,20	20	12.0
BL137	Lister, M. 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 Program		2,4	6	24.0
BL139	Lobanov, A. Alef, W. Arshakian, T. Chavushyan, V. Mercado, A. Shapovalova, A.	MPIfR MPIfR MPIfR INAOE INAOE SAO	Parsec-scale radio emission, accretion disk and broad line region in 3C 390.3		0.7,1,2	1	8.0
BM247	Marscher, A. Aller, M.F. Chatterjee, S. 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	5	24.0
BM248	Marscher, A. ALler, M.F. D'Arcangelo, F. Hagen-Thorn, V. Jorstad, S. Larionov, V. McHardy, I.	Boston Michigan Boston St. Petersburg Boston St. Petersburg Southampton	Probing compact jets through multi-waveband variability and polarization		0.7	11	16.0
BP125	Petrov, L. Fomalont, E. Gordon, D. Honma, M. Kobayashi, H. Kovalev, Y.Y.	NVI NRAO-CV NASA GSFC NAOJ NAOJ NVI	GaPS: Galactic Plane Survey		1	20	24.0
BP136	Perez-Torres, M. Alberdi, A. Cortina, J. Guerrero, M. Prada, F. Rico, J. Sanchez-Conde, M. Sidro, N.	IAA IAA IFAE IAA IAA IFAE IAA IFAE	VLBA Imaging of gamma ray binary LSI+61 303		6	25,26	11.0
BR100	Reid, M. Greenhill, L. Menten, K. Moscadelli, L. Xu, Y. Zheng, X.W.	CfA CfA MPIfR Cagliar Nanjing Nanjing	Spiral structure and kinematics of the Milky Way		2	4,7,19	39.75
BR121	Reid, M. Brunthaler, A. Menten, K. Xu, Y. Zheng, X.-W.	CfA MPIfR MPIfR MPIfR Nanjing	Trigonometric parallax for the Galactic Center		1	9,24	16.0

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BS170	Stark, D. Churchwell, E. Fish, V. Goss, M. Hoffman, I.	Caltech Wisconsin NRAO-Socorro NRAO-Socorro Clerig Arts & Scienc	Speedy OH Masers in G5.886-0.39		20	8,15	6.0
BT087	Tafoya, D. Gomez, Y. Patel, N. Reid, M.	CfA UNAM CfA CfA	Rotating magnetized disk in young planetary nebula K3-35		20	14	9.25
BW086	Wiik, K. Savolainen, T.	Tuorla Tuorla	Multi-frequency polarimetric VLBA follow up of 3C454.3		0.3, 0.7, 1,2,4,6	2	12.0
BZ034	Zavala, R.T. Boboltz, D. Hutter, D. Ojha, R. Richards, M. Shaffer, D. Tycner, C.	USNO USNO USNO USNO Penn State Radiometrics USNO	Testing the radio emission in Algol		6	25, 26, 27, 28, 29, 30, 31	70.0
GA022	Agudo, I. Krichbaum, T.P. Gomez, J-L. Bach, U. Bremer, M. Witzel, A. Zensus, J.A.	MPIfR MPIfR IEEC-Barcelona Torino IRAM MPIfR MPIfR	Polarimetric monitoring of NRAO 150		0.3	12	12.0
GD022	Dodson, R. Agudo, I. Krichbaum, T.P. Thum, C. Wiesemeyer, H. Rioja, M.J. Bremer, M.	OAN-Yebes IAA MPIfR IRAM IRAM OAN IRAM	Polarisation observations with GMVA		0.3	13	5.0
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	13	12.0
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	14	11.0
	Staff	NRAO	Maintenance				101.0

Based on Actual Hours Observed

The average downtime was 15.4 hours 4.3%

Actual observing time was 341.6 hours

The VLBA was scheduled 64.4% of the time 480.8 hours of a possible 744 hours

Astronomical Observations = 47.9% (357.0 hours)
Tests and Calibrations = 6.2% (46.8 hours)
Maintenance = 10.3% (77.0 hours)

Based on Scaled Observing Hours

Number of hours of observing possible = 744 hours

Number of scaled hours of astronomical observations = 450.4 hrs

Downtime = 4.3% (19.4 hours)

Actual observing = 431.0 hours

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BA080	Asada, K. Inoue, M.	NAOJ NAOJ	Trimonthly monitoring observation of the helical magnetic field in 3C 273 jet		2,4,6	3	8.0
BB213	Brisken, W. Romani, R.	NRAO-Socorro Stanford	Pulsar J0538+2817: four more epochs		20	4	2.0
BB225	Bartkiewicz, A. Brunthaler, A. Szymczak, M. vanLangevelde, H.	Torun MPIfR Torun JIVE	Nature of the methanol maser ring around a young massive star		2	21	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	28	8.0
BC161	Cotton, W. Danchi, W. Lacasse, M. Ragland, S. Schloerb, F. Townes, C. Traub, W.	NRAO-CV NASA CfA CfA UMASS Calif.,Berkeley CfA	Miras w/photospheric asymmetries II		0.7	16	10.0
BF091	Frey, S. Gurvits, L. Paragi, Z.	FOMISGO JIVE JIVE	Structure of extremely high redshift quasar J1430+4204 after a long range flare		2	15	8.0
BH136	Hachisuka, K. BRunthaler, A. Hagiwara, Y. Menten, K. Mochizuki, N. Reid, M.	MPIfR JIVE NAOJ MPIfR ISAS CfA	Astrometry of H2O masers in outer part of the galaxy		1	20	6.0
BH145	Helfand, D. Brisken, W. Camilo, F. Chatterjee, S. Halpern, J. Ransom, S. Zimmerman, N.	Columbia NRAO-Socorro Columbia CfA Columbia NRAO Columbia	First magnetar proper motion from the transient AXP XTE J1810-197		4,6	16	4.0
BI033	Imai, H. Deguchi, S. Kwok, S. Nakashima, J.	Kagoshima Nobeyama Hong Kong ASIAA	Mapping two newly found water fountains with the VLBA		1	14	8.0
BJ045	Junor, B.	LANL	Deep 3mm obs. of Virgo A Core		0.3, 0.7	10,22,25	18.75
BJ060	Johnston, K.		Geodesy/astrometry observations for 2006		3.6 With ApGcHoMcNy ShSvTcVaWf Wz	13 Scheduled as RDV59	5.0
BL128	Loinard, L. Mioduszewski, A. Rodriguez, L. Torres, R.M.	UNAM NRAO-Socorro UNAM UNAM	Distance to Taurus and Ophiuchus		4	5, 8	8.0
BL137	Lister, M. Aller, H. Aller, M.F. Arshakian, T. Homan, D. Kadler, M. Kellermann, K. Kovalev, Y.Y. Lobanov, A. Ros, E. Vermeulen, R. Zensus, J.	Purdue Michigan Michigan MPIfR Denison MPIfR NRAO-CV NRAO-GB MPIfR MPIfR ASTRON MPIfR	MOJAVE II		2,4	6	24.0
BL143	Loinard, L. Mioduszewski, A. Rodriguez, L.F. Torres, R.	UNAM NRAO-Socorro UNAM UNAM	Towards a very accurate distance to Perseus		1	15	2.50
BM234	Menten, K. Reid, M.	MPIfR CfA	Parallax and proper motion of Orion X-ray stars		4	9	10.0
BM235	Moellenbrock, G. Beasley, A. Claussen, M. Goss, W.M.	NRAO-Socorro NRAO-ALMA NRAO-Socorro NRAO-Socorro	Parallax and proper motions of galactic water masers		1	2	4.0

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BM244	Moscadelli, L. Beltran, M. Cesaroni, R. Codella, C. Furuya, R. Goddi, C.	Cagliari Barcelona Arcetri Firenze Caltech Calgiari	Gas kinematics around high-mass YSOs explored via maser associations		1	18,22,28	18.0
BM247	Marscher, A. Aller, M. Chatterjee, S. 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	7	24.0
BP128	Peck, A. Marrone, D. Myers, S. Taylor, G. Zavala, B.	CfA CfA NRAO-Socorro UNM USNO	Multi-wavelength analysis of the record outburst in 3C454.3		1,2,4,6	26	6.0
BP131	Piner, B. Edwards, P.	Whittier College ISAS	Toward establishing a confirmed sample of ultrarelativistic jets		0.7	11	12.0
BR100	Reid, M. Greenhill, L. Menten, K. Moscadelli, L. Xu, Y. Zheng, X.W.	CfA CfA MPIfR Cagliari Nanjing Nanjing	Spiral structures and kinematics of the Milky Way		2	1,29	20.0
BR106	Reid, M. MEnten, K.	CfA MPIfR	Enigmatic star VY CMa		0.7	28	8.50
BR121	Reid, M. Brunthaler, A. Menten, K. Xu, Y. Zheng, X.-W.	CfA MPIfR MPIfR MPIfR Nanjing	Trigonometric parallax for the Galactic Center		1	4, 23	16.0
BS150	Savolainen, T. Rastorgueva, E. Takalo, L. Valtaoja, E. Valtonen, M. Wiik, K.	Tuorla Tuorla Tuorla Tuorla Tuorla Tuorla	Multi-frequency polarimetric VLBA monitoring of the next predicted outburst in OJ287		0.3,0.7,1,2,4	21	8.0
BS158	Shen, Z.-Q. Ho, P. Lo, K.Y. Miyazaki, A. Miyoshi, M. Tsuboi, M. Tsutsumi, T. Zhao, J.	Shanghai CfA NRAO-CV Shanghai NAOJ NRAOJ NAOJ CfA	Monitoring the temporal variation in the structure of Sgr A* with the VLBA at its highest frequency 86 GHz		0.3, 0.7	24	7.0
BS162	Soria-Ruiz, R. Alcolea, J. Bujarrabal, V. Colomer, F. Desmurs, J.-F.	OAN OAN OAN OAN OAN	3mm obs. of HCN masers: 2nd attempt		0.3, 0.7	17,18	15.0
BS169	Stanghellini, C. Dallacasa, D. Hong, X-Y. Tao, A. Venturi, T.	INAF Bologna Shanghai Shanghai INAF	Hot-spot separation velocity in three compact symmetric objects		4	30	7.75
BT088	Taylor, G. Fassnacht, C. Healey, S. Helmboldt, J. Myers, S. Pearson, T. Readhead, T. Romani, R. Sjouwerman, L. Walker, C. Weintraub, L.	UNM Calif., Davis Stanford UNM NRAO-Socorro Caltech Caltech Standord NRAO-Socorro Caltech Caltech	Investigating supermassive binary black hole candidates		2,4,6	19	17.0
BU031	Ulvestad, J. Neff, S.	NRAO-Socorro NASA	Search for young supernovae in Antennae Galaxies		13 With GB	16, 30	10.0
BV059	Vlemming, W. Torrelles, J. vanLangevelde, H.	Manchester Barcelona JIVE	Co-evolution of methanol and water maser filaments in Cepheus A		2	13	5.0
	Staff	NRAO	Maintenance				202.0

Based on Actual Hours Observed

The average downtime was 12.24 hours 4.6%

Actual observing time was 253.8 hours

The VLBA was scheduled 64.9% of the time 483.40 hours of a possible 744 hours

Astronomical Observations	=	35.7%	(266.05 hours)
Tests and Calibrations	=	15.1%	(112.15 hours)
Maintenance	=	14.1%	(105.20 hours)

Based on Scaled Observing Hours

Number of hours of observing possible = 744 hours

Number of scaled hours of astronomical observations = 431.1 hrs

Downtime = 4.6% (19.9 hours)

Actual observing = 413.2 hours

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BB200	Brunthaler, A. Falcke, H. Greenhill, L. Henkel, C. Reid, M.	JIVE Dwingeloo CfA MPIfR CfA	Geometric distance to M33		1	2,12,	24.0
BD116	Dougherty, S. Blomme, R. Runacres, M.C. Rauw, G. VanLoo, S. Pittard, J.	DRAO Royal Obs Belgium Vrije Univ. Leige Leeds Leeds	Structure of O-star triple system HD167971		0.7, 1.3, 2, 3.6, 6, 18 With Y1	4	11.0
BE049	Edmonds, R. Honma, M. Sjouwerman, L.	UNM NAOJ NRAO-Socorro	43 GHz VLBA positions for SiO-13 and SiO-23		0.7	12	1.0
BF088	Fish, V.L.	NRAO-Socorro	Multi-frequency OH maser observations of G11.90-0.14		2, 6, 18 with GB	29	4.5
BG165	Goddi, C. Imai, H. Moscadelli, L.	Arcetri Kagoshima Cagliari	Full polarization of H20 masers towards high-mass SFR W3 (OH)		1	18	12.0
BJ045	Junor, B.	LANL	Deep 3mm observations of Virgo A Core		0.3, 0.7	24,25,26	19.2
BJ050	Jin, C. Garrett, M. Nair, S. Nan, R. Porcas, R.	NAOC, China JIVE Raman Research Inst. NAOC, China MPIfR	3mm obs. of graviational lens system PKS 1830-211		0.3, 0.7	25	7.25
BJ060	Johnston, K. Fey, A. Ma, C. Gordon, D. Boboltz, D. Kingham, K. Behrend, D. Gipson, J. MacMillan, D. Petrov, L. Fomalont, E. Walker, C.	USNO USNO NASA-GSFC Raytheon-GSFC USNO USNO NVI-GSFC NVI-GSFC NVI-GSFC NASA-GSFC NRAO-CV NRAO-Socorro	Geodesy/astrometry observations for 2006		3.6 With ApGcHoKbNy OnTsVaWfWz Zc	30 Scheduled as RDV58	25.0
BK127	Knudsen, K. Walter, F. Momjian, E. Carilli, C. Yun, M.	MPIA MPIA Arecibo NRAO-Socorro Massachusetts	Imaging two submm-bright quasars at redshift 2.8		18 with AR, GB, Y27	13	7.0
BL128	Loinard, L. Mioduszewski, A. Rodriguez, L.F. Torres, R.M.	UNAM NRAO-Socorro UNAM UNAM	Distance to Taurus and Ophiuchus		4	21,23,27	12.0
BL137	Lister, M. Aller, H.D. Aller, M.F. Arshakian, T. Homan, D. 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-GB MPIfR MPIfR ASTRON MPIfR	MOJAVE II		2, 4	9	24.0
BL143	Loinard, L. Mioduszewski, A. Rodriguez, L.F. Torres, R.	UNAM NRAO-Socorro UNAM UNAM	Towards a very accurate distance to Perseus		1	25	2.5
BM235	Moellenbrock, G.A. Beasley, A.J. Claussen, M. Goss, W.M.	NRAO-Socorro ALMA NRAO-Socorro NRAO-Socorro	Parallax and proper motions of Galactic water masers		1	4	4.0
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 jets of radio galaxies		0.7	10	24.0
BO025	Orienti, M. Dallacasa, D.	Bologna Bologna	Magnetic fields in extremely young radio sources		1,2,4,6,13 ,20	17	8.0

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BP128	Peck, A. Marrone, D. Myers, S. Taylor, G. Zavala, B.	CfA Harvard NRAO-Socorro UNM USNO	Multi-wavelength analysis of record outburst in 3C454.3		1,2,4,6	7	6.0
BT085	Taylor, G. Blandford, R. Fassnacht, C. Gehrels, N. Michelson, P. Myers, S. Pearson, T. Readhead, T. Romani, R. Sjouwerman, L. Ulvestad, J. Walker, C. Weintraub, L.	UNM Stanford Calif., Davis NASA Stanford NRAO-Socorro Caltech Caltech Stanford NRAO-Socorro NRAO-Socorro NRAO-Socorro Caltech	Imaging and polarimetry survey (VIPS)		6	1,3,5,7	48.5
BT087	Tafoya, D. Gomez, Y. Patel, N. Reid, M.	CfA UNAM CfA CfA	Rotating magnetized disk in young planetary nebula K 3-35		20	25	9.2
BU031	Ulvestad, J.S. Neff, S.	NRAO-Socorro NASA-GSFC	Search for young supernovae in Antennae Galaxies		13 with GB	6	5.0
BW086	Wiik, K. Savolainen, T.	Tuorla Tuorla	Multi-frequency polarimetric VLBA follow-up of 3C454.3		.3,.7,1,2,4,6	3	12.0
RDV058	Gipson, J.	GSFC	Geodetic/astrometry observatiaons		4,13	30	25
	Staff	NRAO	Maintenance				109.0

Based on Actual Hours Observed

The average downtime was 12.24 hours 4.6%

Actual observing time was 253.8 hours

The VLBA was scheduled 64.9% of the time 483.40 hours of a possible 744 hours

Astronomical Observations = 35.7% (266.05 hours)
Tests and Calibrations = 15.1% (112.15 hours)
Maintenance = 14.1% (105.20 hours)

Based on Scaled Observing Hours

Number of hours of observing possible = 744 hours

Number of scaled hours of astronomical observations = 431.1 hrs

Downtime = 4.6% (19.9 hours)

Actual observing = 413.2 hours

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BA082	Agudo, I. Gomez, J.L. Jorstad, S. Lobanov, A. Marscher, A. Marti, J. Perucho, M. Roca-Sogorb, M. Roy, A.	MPIfR IAA, Spain Boston MPIfR Boston Valencia, Spain MPIfR IAA, Spain MPIfR	Astrometry of wobbling jets in blazars		1.3	16	16.0
BB226	Boboltz, D. Diamond, P. Driebe, T. Johnston, K. Ohnaka, K. Wittkowski, M.	USNO Jodrell Bank MPIfR USNO MPIfR ESO	Polychromatic interferometry of evolved star RR Aql		0.7	1	5.0
BB235	Willett, K.	Colorado	Q band pseudo-continnum observations		4	17	2.0
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	26	8.0
BD114	Dougherty, S. Pittard, J. O'Connor, E. Beasley, A.J. Claussen, M.J.	DRAO Leeds UPEI NRAO-Santiago NRAO-Socorro	Structural monitoring of colliding-wind binary WR140		0.7, 1.3, 2, 3.6, 6, 18	28 With Y1	11.9
BD117	Dhawan, V. Mioduszewski, A. Rupen, M.	NRAO-Socorro NRAO-Socorro NRAO-Socorro	Sitting, spitting, and spinning?		2, 3.6	3,7,11,15, 18,21,24,27,30	49.5
BE048	Bennett, W.	NRAO-Socorro	X band continuum of gravitational lens candidate		20	11	4.0
BG167	Gabuzda, D. Bezrukovs, V. O'Sullivan, S.	Cork Cork Cork	Investigating the 3D B-Field structures of AGN using Faraday rotation measurements		0.7,1,2,4, 6	2	24.0
BH135	Harris, D.E. Cheung, C.C. Junor, W.	CfA MIT LANL	Flare decay of Knot HST-1 in M87 Jet		20	1,3,12	20.9
BJ060	Johnston, K. Fey, A. Ma, C. Gordon, D. Boboltz, D. Kingham, K. Behrend, D. Gipson, J. MacMillan, D. Petrov, L. Fomalont, E. Walker, C.	USNO USNO NASA-GSFC Raytheon-GSFC USNO USNO NVI-GSFC NVI-GSFC NVI-GSFC NASA-GSFC NRAO-CV NRAO-Socorro	Geodesy/astrometry observations for 2006		3.6 With ApGcHoMcNy ShSvTcVaWf Wz	11 Scheduled as RDV57	25.0
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	9	24.0

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BL137	Lister, M.	Purdue	MOJAVE II		2,4	7	24.0
	Aller, H.D.	Michigan					
	Aller, M.F.	Michigan					
	Arshakian, T.	MPIfR					
	Homan, D.	Denison					
	Kadler, M.	MPIfR					
	Kellermann, K.	NRAO-CV					
	Kovalev, Y.	NRAO-GB					
	Lobanov, A.	MPIfR					
	Ros, E.	MPIfR					
	Vermeulen, R.	ASTRON					
	Zensus, A.	MPIfR					
BL139	Lobanov, A.P.	MPIfR	Parsec-scale radio emission, accretion disk and broad line region in 3C 390.3		1,2,.07	14	8.0
	Alef, W.	MPIfR					
	Arshakian, T.	MPIfR					
	Chavushyan, V.	INAOE					
	Mercado, A.	INAEO					
	Shapovalova, A.	SAO, Russia					
BL142	Loinard, L.	UNAM	Very accurate dynamical mass of a pre-main sequence spectroscopic binary		2	14	5.0
	Mioduszewski, A.	NRAO-Socorro					
	Rodriguez, L.	UNAM					
	Torres, R.	UNAM					
BM227	Moscadelli, L.	Cagliari	Ejection and deceleration of the H2O masers in high mass protostar IRAS 20126+4104		1	9	11.0
	Cesaroni, R.	Arcetri					
	Rioja, M.J.	OAN, Spain					
BM248	Marscher, A.	Boston	Probing compact jets through multi-wave band variability and polarization		0.7	18	4.5
	Aller, M.F.	Michigan					
	D'Arcangelo, F.	Boston					
	Hagen-Thorn, V.	St. Petersburg					
	Jorstad, S.	Boston					
	Larionov, V.	St. Petersburg					
	McHardy, I.	Southampton					
BO025	Orienti, M.	Bologna	Magnetic fields in extremely young radio sources		2,4,6,13,20	21,22,26,28	36.0
	Dallacasa, D.	Bologna					
BR100	Reid, M.	CfA	Spiral structure and kinematics of the Milky Way		2	23	10.0
	Greenhill, L.	CfA					
	Menten, K.	MPIfR					
	Moscadelli, L.	Cagliari					
	Xu, Y.	Nanjing					
	Zheng, X.W.	Nanjing					
BS160	Shen, Z.	ShAO	Simultaneous VLBA Obs. of Three 7mm SiO masers toward VX Sgr at five epochs		0.7	16	8.0
	Chen, X.	ShAO					
	Jiang, D.	ShAO					
BT085	Taylor, G.	UNM	Imaging and polarimetry survey (VIPS)		6	17, 31	16.75
	Blandford, R.	Stanford					
	Fassnacht, C.	Calif.,Davis					
	Gehrels, N.	NASA					
	Michelson, P.	Stanford					
	Myers, S.	NRAO-Socorro					
	Pearson, T.	Caltech					
	Readhead, T.	Caltech					
	Romani, R.	Stanford					
	Sjouwerman, L.	NRAO-Socorro					
	Ulvestad, J.	NRAO-Socorro					
	Walker, C.	NRAO-Socorro					
	Weintraub, L.	Caltech					
BU031	Ulvestad, J.S.	NRAO-Socorro	Search for young supernovae in Antennae Galaxies		13 With GB	15, 30	10.0
	Neff, S.	NASA-GSFC					
BV059	Vlemmings, W.	Jodrell Bank	Co-evolution of methanol and wter maser filaments in Cepheus A starformi;ng region		1	7	5.0
	Torrelles, J.	CSIC-IEEC					
	vanLanevelde, H.	JIVE					
BW082	Walker, R.C.	NRAO-Socorro	Pilot project for an M87 movie at 43 GHz		0.7	14	10.0
	Hardee, P.	Alabama					
	Junor, B.	LANL					
	Ly, C.	Calif., Los Angeles					
RDV057	Gipson, J.		Geodesy Observations		4, 13	11	24.0
	Staff	NRAO	Maintenance				213.0

Based on Actual Hours Observed

The average downtime was 18.07 hours 5.3%

Actual observing time was 328.47 hours

The VLBA was scheduled 70.0% of the time 519.05 hours of a possible 744 hours

Astronomical Observations	=	47.0%	(347.55 hours)
Tests and Calibrations	=	10.5%	(78.50 hours)
Maintenance	=	12.5%	(93.00 hours)

Based on Scaled Observing Hours

Number of hours of observing possible = 744 hours

Number of scaled hours of astronomical observations = 431.1 hrs

Downtime = 5.3% (22.41 hours)

Actual observing = 408.7 hours

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BA080	Asada, K. Inoue, M.	NAOJ NAOJ	Trimonthly monitoring obs. of helical magnetic field i 3C 273 jet		2,4,6	22	8.0
BB225	Bartkiewicz, A. Brunthaler, A. Szymczak, M. vanLangevelde, H.	Torun MPIR, Bonn Torun JIVE	Nature of methanol maser ring around a young massive star		2	10	10.0
BC160	Charlot, P. Djannati-Atai, A. Gabuzda, D. Lichti, G. Sol, H.	Obs. de Bordeaux College de France Cork MPIfE Meudon	Coordinated VLBA polarization, INTEGRAL and TeV obs. of gamma ray emitting blazar Mkn 421		1.3, 2	25	14.0
BD117	Dhawan, V. Mioduszewski, A. Rupen, M.	NRAO-Socorro NRAO-Socorro NRAO-Socorro	Sitting, spitting, and spinning? LSI=61-303 revisited		2,3.6	30	5.50
BF075	Filho, M. Barthel, P. Nagar, N.	CNR Kapteyn Kapteyn	Jets in composite LINER/HII nuclei		2, 6, 13, 18	23,26	16.75
BF090	Fomalont, E. Fey, A. Gordon, D. Lanyi, G. Ma, C.	NRAO-CV USNO GSFC JPL GSFC	ICRF and Phase referencing		4,13	29	6.75
BG166	Golden, A. Bourke, S. Brisken, W. Chatterjee, S.	NUI, Galway NUI, Galway NRAO-Socorro CfA	Measuring distance to CTB 80 Pular B1951+32		6,20	15	3.0
BH135	Harris, D.E. Cheung, C.C. Junor, W.	SAO MIT LANL	Flare decay of Knot 'HST-1' in the M87 Jet		20	30	3.0
BH136	Hachisuka, K. Brunthaler, A. Hagiwara, Y. Menten, K. Mochizuki, N. Reid, M.	MPIfR JIVE NAOJ MPIfR ISAS CfA	Astrometry of H20 maser sources in outer part of the Galaxy		1	3,24	12.0
BH142	Helfand, D. Brisken, W. Camilo, F. Chatterjee, S. Halpern, J. Ransom, S. Zimmerman, N.	Columbia NRAO-Socorro Colombia CfA Columbia NRAO Columbia	First magnetar proper motion from the transient AXP XTE J1810-197		4,6	2	4.0
BK131	Kanekar, N. Lane, W.	NRAO-Socorro NRL	Compact structure of QSOs behind damped Lyman-alpha systems		90	8,9,18	32.0
BL128	Loinard, L. Mioduszewski, A. Rodriguez, L.F. Torres, R.	UNAM NRAO-Socorro UNAM UNAM	Distance to Taurus and Opiuchus from multi-epotch VLBA obs.		4	1,3,4,10,12,25	24.0
BL137	Aller, H.D. Lister, M. Aller, M.F. Aller, H.D. Arshakian, T. Homan, D. Kadler, M. Kellermann, K. Kovalev, Y.Y. Lobanov, A. Ros, E. Vermeulen, R. Zensus, J.A.	Michigan Purdue Michigan Michigan MPIfR Denison MPIfR NRAO-CV NRAO-GB MPIfR MPIfR ASTRON MPIfR	MOJAVE II Program		2,4	15	24.0
BL142	Loinard, L. Mioduszewski, A. Rodriguez, L. Torres, R.	UNAM NRAO-Socorro UNAM UNAM	Very accurate dynamical mass of a pre-main sequence		2	21	5.0
BM235	Moellenbrock, G. Beasley, A. Claussen, M. Goss, M.	NRAO-Socorro NRAO-ALMA NRAO-Socorro NRAO-Socorro	Parallax and proper motions of galactic water masers		1	22	4.0

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
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	28,29,30	10.25
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 jets of radio galaxies		0.7	17	10.0
BM248	Marscher, A. Aller, M.F. D'Arcangelo, F. Hagen-Thorn, V. Jorstad, S. Larionov, V. McHardy, I.	Boston Michigan Boston St. Petersburg Boston St. Petersburg Southampton	Probing compact jets thru multi-waveband variability and polarization		0.7	21	14.5
BP125	Petrov, L. Fomalont, E. Gordon, D. Honma, M. Kobayashi, H. Kovalev, Y.	NVI NRAO-CV NASA NAOJ NAOJ NRAO-GB	GaPS: Galactic Plane Survey		1	4,11	48.0
BP128	Peck, A. Marrone, D. Myers, S. Taylor, G. Zavala, R.	CfA Harvard NRAO-Socorro UNM USNO	Multi-wavelength analysis of record outburst in 3C454.3		1,2,4,6	23	6.0
BR122	Ros, E. Aller, H. Aller, M. Kadkler, M. Kellermann, K. Kovalve, Y. Lister, M. Lobanov, A. Miller, R. Norris, J. Sambruna, R. Savolainen, T. Wiik, K. Zensus, A.	MPIfR Michigan Michigan NASA NRAO-CV NRAO-GB Purdue MPIfR Georgia State NASA NASA Tuorla Tuorla MPIfR	Catching flare in CTA 102		.7,1,2,4,6,13	8	6.0
BS158	Shen, Z.-Q. Ho, P. Lo, K.Y. Miyazaki, A. Miyoshi, M. Tsuboi, M. Tsutsumi, T. Zhao, J.	Shanghai CfA NRAO-CV Shanghai NAOJ NAOJ NAOJ CfA	Monitoring the temporal variation in structure of Sgr A* at its highest frequency		0.3, 0.7	13	7.0
BS166	Szymczak, M. Bartkiewicz, A. Diamond, P. Gerard, E.	Torun Torun Jodrell Bank Obs. de Paris	Polarized OH outburst in a proto-planetary nebulae		20	11	12.0
BT085	Taylor, G. Blandford, R. Fassnacht, C. Gehrels, N. Michelson, P. Myers, S. Pearson, T. Readhead, T. Romani, R. Sjouwerman, L. Ulvestad, J. Walker, C. Weintraub, L.	UNM Standford Calif., Davis NASA Stanford NRAO-Socorro Caltech Caltech Stanford NRAO-Socorro NRAO-Socorro NRAO-Socorro Caltech	VLBA Imaging and polarimetry survey		6	1,19	15.75
BU031	Ulvestad, J.S. Neff, S.	NRAO-Socorro NASA-GSFC	Search for young supernovae in Antennae Galaxies		13 With GB	24	5.0
BV059	Vlemmings, W. Torrelles, J. vanLangevelde, H.	Jodrell Bank Barcelona JIVE	Co-evolution of Methanol and water maser filaments in Cepheus A starforming region		2	2	5.0

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
GB058	Bartel, N. Rupen, M. Bietenholz, M.F. Beasley, A.J. Graham, D. Altunin, V. Venturi, T. Umana, G. Cannon, W. Conway, J.E.	York U. NRAO-Socorro York U. NRAO-Santiago MPIfR JPL Bologna Noto York U. Onsala	Structural and spectral evolution of SN 1993J		6 With EB, WB, JB, GB, Y27	16	12.0
GD021	Diamond, P.J. Lonsdale, C.J. Thrall, H. Lonsdale, C.J. Smith, H.E. Conway, J.E. Parra, R.	Jodrell Bank Haystack Jodrell Bank Caltech-IPAC CFA Onsala Onsala	Monitoring evolution of compact emission of Arp220		18 With GB, correlate at JIVE	7	14.0
GM062	Orienti, M. Morganti, R. Dallacasa, D. Oosterloo, T.	Bologna ASTRON Bologna ASTRON	Imaging the very broad HI absorption in radio galaxies		18 With GB, correlate at JIVE	5	12.0
MAINT			Maintenance				92.0

Based on Actual Hours Observed

The average downtime was 19.6 hours 5.5%

Actual observing time was 337.9 hours

The VLBA was scheduled 72.6% of the time 525.5 hours of a possible 720 hours

Astronomical Observations = 49.6% (357.5 hours)
Tests and Calibrations = 14.0% (100.0 hours)
Maintenance = 9.0% (68.0 hours)

Based on Scaled Observing Hours

Number of hours of observing possible = 720 hours

Number of scaled hours of astronomical observations = 505.3 hrs

Downtime = 5.5% (27.8 hours)

Actual observing = 477.5 hours

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BA078	Agudo, I. BAch, U. Gomez, J.L. Krichbaum, T. Roy, A. Witzel, A. Zensus, J.A.	MPIfR Torino IAA, Granada MPIfR MPIfR MPIfR MPIfR	Monitoring NRAO 150 with multi-frequency polarimetry		0.7, 2	19	12.0
BB182	Bach, U. Krichbaum, T. Middelberg, E. Witzel, A. Zensus, J.A.	MPIfR MPIfR MPIfR MPIfR MPIfR	Finding Nucleus in Cygnus A		1,2	12	11.75
BB219	Bietenholz, M. Bartel, N. Rupen, M.	York York NRAO-Socorro	Unusual Type Ib/c Supernova and GRB Candidate SN 2001 em		3.6	27	12.0
BB222	Basri, G. Bolatto, A. Ford, E. Goldston, J. Graham, J. Kalas, P. Marcy, G. Matthews, B. Sandstrom, K. Wright, J.	Calif.-Berkeley Calif.-Berkeley Calif.-Berkeley Calif.-Berkeley Calif.-Berkeley Calif.-Berkeley Calif.-Berkeley HIA Calif.-Berkeley Calif.-Berkeley	Astrometric detection of planets around nearby stars		4	10,20,21	18.0
BC142	Claussen, M. Morris, M. Sahai, R. Sanchez-Contreras,	NRAO-Socorro UCLA JPL OVRO	Water masers in newly discovered protoplanetary nebuale		1	31	6.25
BC161	Cotton, W.D. Danchi, W. Lacasse, M. Ragland, S. Schloerb, F.P. Townes, C. Traub, W.	NRAO-CV NASA CfA CfA UMASS Calif.-Berkeley CfA	Obs. of Miras with photospheric asymmetries II		0.7	28	10.0
BF089	Forbrich, J. Massi, M. Ros, E. Menten, K.	MPIfR MPIfR MPIfR MPIfR	Non-thermal emission from protostars		3.6 With AR, EB, GB, Y27	24	4.50
BH135	Harris, D.E. Cheung, C.C. Junor, W.	SAO MIT LANL	Flare Decay of Knot 'HST-1' in M87 Jet		20	11	7.80
BL128	Loinard, L. Mioduszewski, A. Rodriguez, L.F. Torres, R.M.	UNAM NRAO-Socorro UNAM UNAM	Distance fo Taurus and Ophiuchus		4	22	4.0
BL137	Lister, M. Aller, J. Aller, M.F. Arshakian, T. Homan, D. Kadler, M. Kellermann, K. Kovalev, Y.Y. Lobanov, A. Ros, E. Vermeulen, R. Zensus, J.	Purdue Michigan Michigan MPIfR Denison MPIfR NRAO-CV NRAO-GB MPIfR MPIfR ASTRON MPIfR	MOJAVE II		2,4	24	24.0
BM229	Marscher, A. Aller, M.F. D'Arcangelo, F. Jorstad, S. McHardy, I.	Boston Michigan Boston Boston Southampton	Probing compact jets thru multi-waveband variability and polarization		0.7	4	16.0
BM230	Marscher, A. Aller, M.F. Jorstad, S. McHardy, I. Wannawichian, S.	Boston Michigan Boston Southampton Boston	Relation between X-ray state and energy flow into jets of radio galaxies		0.7	16	10.0
BM235	Moellenbrock, G. Beasley, A.J. Claussen, M. Goss, M.	NRAO-Socorro NRAO-ALMA NRAO-Socorro NRAO-Socorro	Parallax and proper motions of galactic water masers		1	8, 31	8.0

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BO027	O'Brien, T.J. Beswick, R. Bode, M. Eyres, S. Garrington, S. Muxlow, T. Porcas, R.	Jodrell Bank Jodrell Bank JMU Lancashire Jodrell Bank Jodrell BAnk MPIfR	Monitoring the expanding radio remnant of RS Oph		20	3,9,16,23, 29	53.75
BP128	Peck, A. Marrone, D. Myers, S. Taylor, G. Zavala, B.	CfA CfA NRAO-Socorro UNM USNO	Multi-wavelength analysis of record outburst in 3C454.3		4	22	6.0
BP130	Perez Torres, M.A. DeBreuck, C. deVries, W. Miley, G. Overzier, R. vanBreugel, W.	IAA, Spain ESO IGPP Leiden Leiden IGPP	Imaging of high redshift radio galaxy TN1338-1942		20	26	8.0
BR100	Reid, M. Greenhill, L. Menten, K. Moscadelli, L. Xu, Y. Zheng, X.W.	CfA CfA MPIfR Cagliari Nanjing Nanjing	Spiral structure and kinematics of Milky Way		2	26	10.0
BS150	Savolainen, T. Rastorgueva, E. Valtaoja, E. Valtonen, M. Wiik, K.	Tuorla Tuorla Tuorla Tuorla Tuorla	Multi-frequency olarimetric VLBA monitoring of the next predicted outburst in OJ287		0.3,0.7,1, 2,4	12	8.0
BS158	Shen, Z.-Q. Ho, P. Lo, K.Y. Miyazaki, A. Miyoshi, M. Tsuboi, M. Tsutsumi, T. Zhao, J.	Shanghai CfA NRAO-CV Shanghai NAO NRAO NAO CfA	Monitoring temporal variation in structure of Sgr A* with VLBA		0.3, 0.7	13,30	14.0
BT085	Taylor, G. Blandford, R. Fassnacht, C. Michelson, P. Myers, S. Pearson, T. Readhead, T. Romani, R. Sjouwerman, L. Ulvestad, J. Walker, C. Weintraub, L.	UNM Stanford Calif.-Davis Stanford NRAO-Socorro Caltech Caltech Stanford NRAO-Socorro NRAO-Socorro NRAO-CV Caltech	VLBA Imaging and polarimetric survey (VIPS)		6	1,14,27	39.25
BW082	Walker, R. Hardee, P. Junor, B. Ly, C.	NRAO-Socorro Alabama LANL UCLA	Pilot project for M87 movie at 43 GHz		0.7	13	10.0
BY021	Yi, J. Booth, R. Conway, J.	KASI Onsala Onsala	Joint VLA/VLBA observations of SiO masers in two Miras		0.7	15	8.50
GA022	Agudo, I. Krichbaum, T.P. Gomez, J-L. Bach, U. Bremer, M. Witzel, A. Zensus, J.A.	IAA MPIfR IEEC-Barcelona Torino Bristol MPIfR MPIfR	Polarimetric monitoring of NRAO 150		0.3 for correlatio n at Bonn	7	15.0
GD022	Dodson, R. Agudo, I. Krichbaum, T.P. Thum, C. Wiesemeyer, H. Rioja, M.J. Bremer, M.	ISAS IAA MPIfR IRAM MPIfR OAN Bristol	Polarisation observations with GMVA		0.3 for correlatio n at Bonn	4	19.5

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
GK033	Krichbaum, T.P. Graham, D. Alef, W. Witzel, A. Zensus, J.A. Bremer, M. Grewing, M.	MPIfR MPIfR MPIfR MPIfR MPIfR Bristol IRAM	Structural monitoring of M87		0.3 for correlation at Bonn	6	13.0
GK035	Krichbaum, T.P. Agudo, I. Savolainen, T. Wiik, K. Alef, W. Graham, D. Witzel, A. Zensus, J.A. Bremer, M. Wiesemeyer, H. Grewing, M. Ungerechts, H.	MPIfR IAA Tuorla Tuorla MPIfR MPIfR MPIfR MPIfR Bristol MPIfR IRAM IRAM	Imaging 3C 454.3 after a major outburst		0.3 for correlation at Bonn	6	13.5
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 correlation at Bonn	5	12.5
	Staff	NRAO	Maintenance				222.0

Based on Actual Hours Observed

The average downtime was 15.7 hours 4.2%

Actual observing time was 359.6 hours

The VLBA was scheduled 77.6% of the time 578.3 hours of a possible 744 hours

Astronomical Observations = 50.4% (375.3 hours)
Tests and Calibrations = 17.2% (128.0 hours)
Maintenance = 10.0% (75.0 hours)

Based on Scaled Observing Hours

Number of hours of observing possible = 744 hours

Number of scaled hours of astronomical observations = 579.1 hrs

Downtime = 4.2% (24.3 hours)

Actual observing = 555.8 hours

Progm	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 CfA	Geometric distance to M33		1	13,20	24.0
BB220	Boboltz, D. Driebe, T. Ohnaka, K. Wittkowski, M.	USNO MPIfR MPIfR ESO	Coordinated VLBA/VLTI Obs. of GX Mon		0.7	8	5.0
BB222	Bower, G. Basri, G. Bolatto, A. Ford, E. Goldston, J. Graham, J. Kalas, P. Marcy, G. Matthews, B. Sandstrom, K. Wright, J.	Calif.-Berkeley Calif.-Berkeley Calif.-Berkeley Calif.-Berkeley Calif.-Berkeley Calif.-Berkeley Calif.-Berkeley Calif.-Berkeley HIA Calif.-Berkeley Calif.-Berkeley	Astrometric detection of planets around nearby stars		4	1	4.0
BB223	Bartel, N. Bietenholz, M.F.	York U. York U.	Expansion and deceleration of SNR 41.9+58 in M82		13 With EB, GB	23	11.8
BC152	Claussen, M. Marvel, K. Simpson, C. Wilking, B. Wootten, H.	NRAO-Socorro AAS Wellesley UMSL NRAO-Socorro	Parallax and proper motions of water masers in Ophiuchi molecular cloud complex		1	13	5
BC161	Cotton, W. Danchi, W. Lacasse, M. Ragland, S. Schloerb, F. Townes, C. Traub, W.	NRAO-CV NASA CfA CfA UMASS Calif.-Berkeley CfA	Obs. of Miras with Photospheric asymmetries II		0.7	9	10.0
BD114	Dougherty, S. Pittard, J. O'Connor, E. Beasley, A.J. Claussen, M.J.	DRAO Leeds UPEI NRAO-Santiago NRAO-Socorro	Structural monitoring of colliding-wind binary WR140		4,6	22	12.0
BG164	Gugliucci, N. Giroletti, M. Peck, A. Taylor, G.	Virginia INAF SMA UNM	Investigating Faraday screens for two compact symmetric objects		2,4	19,28	15.6
BH136	Hachisuka, K. Brunthaler, A. Hagiwara, Y. Menten, K. Mochizuki, N. Reid, M.	MPIfR JIVE NAOJ MPIfR ISAS CfA	Astrometry of H2O maser sources in the outer part of the galaxy		1	17	6.0
BK114	Kondratko, P.T. Greenhill, L.J. Moran, J. Reid, M.	Harvard CfA CfA CfA	Imaging three NGC 4258-like water megamasers		1.3 With EB, GB, Y27	29	15.0
BK127	Knudsen, K. Walter, F. Momjian, E. Carilli, C. Yun, M.	MPIA MPIA Arecibo NRAO-Socorro Massachusetts	Imaging two submm-bright quasars at redshift 2.8		18 With AR, GB, Y27	30	7.25
BL128	Loinard, L. Mioduszewski, A. Rodriguez, L. Torres, R.	UNAM NRAO-Socorro UNAM UNAM	Distance to Taurus and Ophiuchus		4	1,20	8.25
BL137	Lister, M. 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-GB MPIfR MPIfR ASTRON MPIfR	MOJAVE II		2,4	5,28	48.0

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BL139	Lobanov, A. Alef, W. Arshakian, T. Chavushyan, V. Mercado, A. Shapovalova, A.	MPIfR MPIfR MPIfR INAOE INAOE SAO, Russia	Parsec-scale radio emission, accretion disk and broad-line region in 3C 390.3		1,2,0.7	24	8.0
BM229	Marscher, A. Aller, M. D'Arcangelo, F. Jorstad, S. McHardy, I.	Boston Michigan Boston Boston Southampton	Probing compact jets through multi-waveband variability and polarization		0.7	10	16.0
BM230	Marscher, A. Aller, M.F. Jorstad, S. McHardy, I. Wannawichian, S.	Boston Michigan Bostson Southampton Boston	Relation between the X-ray state and energy flow into jets of radio galaxies		0.7	21	10.0
BM235	Moellenbrock, G. Beasley, A. Claussen, M. Goss, W.M.	NRAO-Socorro NRAO-ALMA NRAO-Socorro NRAO-Socorro	Parallax and proper motions of galactic water masers		1	8	4.0
BM241	More, A. Porcas, R. Garrett, M.A. Nair, S.	MPIfR MPIfR JIVE Raman Inst.	Imaging the gravitational lens 2016+112 at 8.4 and 15 GHz		4	30	7.75
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	9,17,23	18.0
BM245	Marscher, A.P. Jorstad, S.G. D'Arcangelo, F. Gear, W.K. Hagen-Thorn, V. Smith, P. Larionov, V.	Boston Univ. Boston Univ. Boston Univ. Cardiff St. Petersburg Arizona St. Petersburg	Blazar monitoring during a ten day submm/ir/optical campaign		0.7	4	16.0
BO026	O'Brien, T.J. Bode, M. Davis, R. Evans, A. Eyres, S. Porcas, R.	Manchester JMU Manchester Keele Lancashire MPIfR	Resolving the radio emission from the 2006 outburst of the recurrent nova RS Ophiuchi		6, 20	2,16	21.4
BO027	O'Brien, T. Beswick, R. Bode, M.F. Eyres, S. Garrington, S. Muxlow, T. Porcas, R.	Manchester Manchester JMU Lancashire Manchester Manchester MPIfR	Monitoring the expanding radio remnant of RS Oph		20	25	10.75
BP124	Punsly, B. Ulvestad, J. Wrobel, J.	Boeing NRAO-Socorro NRAO-Socorro	Imaging the inner I parsec of Mrk 231		1,2,0.7	27	8.0
BP128	Peck, A. Marrone, D. Myers, S. Taylor, G. Zavala, B.	CfA Harvard NRAO-Socorro UNM USNO	Multi-wavelength analysis of record outburst in 3C454.3		1,2,4,6	4	6.0
BR100	Reid, M. Greenhill, L. Menten, K. Moscadelli, L. Xu, Y. Zheng, X.W.	CfA CfA MPIfR Cagliari Nanjing Nanjing	Spiral structure and kinematics of Milky Way		2	6,7,15	30.0
BR106	Reid, M. Menten, K.	CfA MPIfR	Enigmatic star VY CMa		0.7	16	8.25

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BR119	Ros, E.	MPIfR	NGC 1052, key to explore disk-jet		0.7, 1	19	6.0
	Aller, H.D.	Michigan	connection				
	Aller, M.	Michigan					
	Angelakis, E.	MPIfR					
	Irwin, J.	Michigan					
	Kadler, M.	NASA					
	Kaufmann, S.	Argelander Inst.					
	Kerp, J.	Argelander Inst.					
	Kovalev, Y.	NRAO-GB					
	Marscher, A.	Boston					
	Weaver, K.	NASA					
	Zensus, J.	MPIfR					
BR122	Ros, E.	MPIfR	Catching the flare in CTA 102		0.7,1,2,4, 6,13	14	6.0
	Aller, H.	Michigan					
	Aller, M.	Michigan					
	Kadler, M.	NASA					
	Kellermann, K.	NRAO-CV					
	Kovalev, Y.	NRAO-GB					
	Lister, M.	Purdue					
	Lobanov, A.	MPIfR					
	Miller, R.	Georgia State					
	Norris, J.	NASA					
	Sambruna, R.	NASA					
	Savolainen, T.	Tuorla Obs					
	Wiik, K.	Tuorla Obs					
	Zensus, J.A.	MPIfR					
BS167	Sokoloski, J.	CfA	Expanding shell and jet of RS Opiuchus		13, 20	4	4.0
	Brocksopp, C.	MSSL					
	Kaiser, C.	Southampton					
	Mioduszewski, A.	NRAO-Socorro					
	Rupen, M.	NRAO-Socorro					
BT085	Taylor, G.	UNM	VLBA Imaging and polarimetry survey (VIPS)		6	3,14	22.0
	Blandford, R.	Stanford					
	Fassnacht, C.	Calif.-Davis					
	Gehrels, N.	NASA					
	Michelson, P.	Stanford					
	Myers, S.	NRAO-Socorro					
	Pearson, T.	Caltech					
	Readhead, T.	Caltech					
	Romani, R.	Stanford					
	Sjouwerman, L.	NRAO-Socorro					
	Ulvestad, J.	NRAO-Socorro					
	Walker, C.	NRAO-Socorro					
	Weintraub, L.	Caltech					
BV059	Vlemmings, W.	Manchester	Co-evolution of Methanol and water maser		1	8	5.0
	Torrelles, J.	CSIC	filaments in Cepheus A starforming region				
	vanLangevelde, H.	JIVE					
BW082	Walker, C.	NRAO-Socorro	Pilot project for an M87 movie at 43 GHz		.7	8,11,14	50.0
	Hardee, P.	Alabama					
	Junor, B.	LANL					
	Ly, C.	Calif.-Los Angeles					
RDV056	Johnston, K.	USNO	Geodesy/astrometry observations for 2006		3.6 With GcGgHhKbMa OnTcVaWfWz Zc	25 Scheduled as RDV56	25.0
	Fey, A.	USNO					
	Ma, C.	NASA-GSFC					
	Gordon, D.	Raytheon-GSFC					
	Boboltz, D.	USNO					
	Kingham, K.	USNO					
	Behrend, D.	NVI-GSFC					
	Gipson, J.	NVI-GSFC					
	MacMillan, D.	NVI-GSFC					
	Petrov, L.	NASA-GSFC					
	Fomalont, E.	NRAO-CV					
	Walker, C.	NRAO-Socorro					
	Staff	NRAO	Maintenance				92.0

Based on Actual Hours Observed

The average downtime was 16.48 hours 3.6%

Actual observing time was 441.32 hours

The VLBA was scheduled 82.5% of the time 594.4 hours of a possible 744 hours

Astronomical Observations	=	63.6%	(457.8 hours)
Tests and Calibrations	=	9.5%	(68.6 hours)
Maintenance	=	9.4%	(68.0 hours)

Based on Scaled Observing Hours

Number of hours of observing possible = 720 hours

Number of scaled hours of astronomical observations = 576.1 hrs

Downtime = 3.8% (20.7 hours)

Actual observing = 555.4 hours

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BB184	Braatz, J. Greenhill, L. Henkel, C. Moran, J. Wilson, A.	NRAO-GB CfA MPIfR CfA Maryland	Imaging nuclear H2O masers in NGC 4388, NGC 5728 and NGC 6323		1.3 With EB, GB	26	10.0
BB217	Boyce, E. Winn, J.N. Myers, S.T. Rusin, D. Hewitt, J. Keeton, C.	MIT CfA NRAO-Socorro Pennsylvania MIT Rutgers Univ.	Observations of gravitational lens central images		6 With EB, GB, Y27	16	4.25
BB220	Boboltz, D. Driebe, T. Ohnaka, K. Wittkowski, M.	USNO MPIfR MPIfR ESO	Coordinted VLBA/VLTI Obs. of GX Mon		7	13	5.0
BB221	Brunthaler, A. Castangia, P. Flacke, H. Henkel, C. Menten, K. Reid, M. Tarchi, A.	MPIfR Oss. di Cagliari ASTRON MPIfR MPIfR CfA IRA	Nuclear H20 maser in NGC 253		1.3	11	8.0
BB222	Bower, G. Basri, G. Bolatto, A. Ford, E. Goldstone, J. Graham, J. Kalas, P. Marcy, G. Matthews, B. Sandstrom, K. Wright, J.	Calif.-Berkeley Calif.-Berkeley Calif.-Berkeley Calif.-Berkeley Calif.-Berkeley Calif.-Berkeley Calif.-Berkeley Calif.-Berkeley HIA Calif.-Berkeley Calif.-Berkeley	Astrometric detection of planets around nearby stars		3.6	21,23,24,25,26,30	44.0
BC152	Claussen, M. Marvel, K. Simpson, C. Wilking, B. Wootten, H.	NRAO-Socorro AAS Wellesley UMSL NRAO-CV	Parallax and proper motions of water masers in the Ophiuchi molecular cloud complex		1.3	2,17,30	15.0
BC156	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		7	22	8.0
BD108	Dodson, R. Alcolea, J. Bujarrabal, V. Colomer, F. Rioja, M.J. Soria-Ruiz, R.	ISAS OAN OAN OAN OAN OAN	Frequency phase transfer astrometry to align AGB star maser images		1.3	10	6.0
BF075	Filho, M. Barthel, P. Nagar, N.	CNR Kapteyn Kapteyn	Jets in composite LINER/HII Nuclei		18	5,20	16.2
BG164	Gugliucci, N. Giroletti, M. Peck, A. Taylor, G.	Univ. Virginia INAF CfA UNM	Investigating Faraday screens for two compact symmetric objects		2	15	9.0
BH139	Hough, D.H. Aars, C.	Trinity Angelo State Univ.	Imaging the faint nucleus in FR II radio galaxy 3C 441		3.6 With AR, EB, GB, Y27	26	3.0
BL128	Loinard, L. Mioduszewski, A. Rodriguez, L. Torres, R.M.	UNAM NRAO-Socorro UNAM UNAM	Distance to Taurs and Ophiuchus from multi-epoch VLBA observations		3.6	1,15,24,28,31	20.0

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BL137	Lister, M.	Purdue	MOJAVE II Program		2	9	24.0
	Aller, H.D.	Michigan					
	Aller, M.F.	Michigan					
	Arashakian, T.	MPIfR					
	Homan, D.	Denison					
	Kadler, M.	MPIfR					
	Kellerman, K.	NRAO-CV					
	Kovalev, Y.Y.	NRAO-GB					
	Lobanov, A.	MPIfR					
	Ros, E.	MPIfR					
	Vermeulen, R.	ASTRON					
	Zensus, J.A.	MPIfR					
BM229	Marscher, A.	Boston	Probing compact jets through multi-waveband variability and polarization		1.3, 7	12	16.0
	Aller, M.	Michigan					
	D'Arcangelo, F.	Boston					
	Jorstad, S.	Boston					
	McHardy, I.	Southampton					
BM230	Marscher, A.	Boston	Relation between the X-Ray state and energy flow into jets of radio galaxies		7	5,29	20.0
	Aller, M.F.	Michigan					
	Jorstad, S.	Boston					
	McHardy, I.	Southampton					
	Wannawichian, S.	Boston					
BM234	Menten, K.	MPIfR	Parallax and proper motion of Orion X-ray stars		3.6	1	10.0
	Reid, M.	CfA					
BM235	Moellenbrock, G.	NRAO-Socorro	Parallax and proper motions of Galactic Water masers		1.3	17	4.0
	Beasley, A.	NRAO-Santiago					
	Claussen, M.	NRAO-Socorro					
	Goss, M.	NRAO-Socorro					
BM245	Marscher, A.P.	Boston Univ.	Blazar monitoring during a ten day submm/ir/optical campaign		0.7	26, 30	32.0
BM249	Miller-Jones, J.	Amsterdam	Following the transient ejecta of GRS 1915+105 out to arcsecond scales		18, 3.6	4,6,9	18.0
	Fender, R.	Southampton					
	Rupen, M.	NRAO-Socorro					
BO022	Ohnaka, K.	MPIfR	Solve the silicate carbon star puzzle		1.3	4,16,19	15.0
	Boboltz, D.	USNO					
	Driebe, T.	MPIfR					
	Murakawa, K.	MPIfR					
	Wittkowski, M.	ESO					
BO026	O'Brien, T.	Manchester	Resolving the radio emission from the 2006 outburst of the recurrent nova RS Ophiuchi		6	13	10.7
	Bode, M.	John Moores					
	Davis, R.	Manchester					
	Evans, A.	Keele					
	Eyres, S.	Central Lancashire					
	Porcas, R.	MPIfR					
BP119	Pal, S.	Centre for Space Phy	Multi-wavelength obs. of SS 433 in flare		6	6	6.0
	Chakrabarti, S.	SNBNCBS, India					
BP126	Papageorgiou, A.	Lancashire	Polarimetry of knot K1 in 3C 380		6, 18 With Y1	25	6.0
	Cawthorne, T.V.	Lancashire					
BR100	Reid, M.	CfA	Spiral structure and kinematics of Milky Way		2	16,22	19.75
	Greenhill, L.	CfA					
	Menten, K.	MPIfR					
	Moscadelli, L.	Cagliari					
	Xu, Y.	Nanjing					
	Zheng, X.W.	Nanjing					
BR119	Ros, E.	MPIfR	NGC 1052, Key to explore the disk jet connection in AGN continuation of VLBA campaign		1.3, 7	6	6.0
	Aller, H.D.	Michigan					
	Aller, M.	Michigan					
	Angelakis, E.	MPIfR					
	Irwin, J.	Michigan					
	Kadler, M.	NASA-GSFC					
	Kerp, J.	Argelander Inst. for					
	Kovalev, Y.Y.	NRAO-GB					
	Marscher, A.	Boston					
	Weaver, K.	NASA-GSFC					
	Zensus, J.	MPIfR					
BS150	Savolainen, T.	Tuorla	Multi-frequency polarimetric VLBA monitoring of next predicted outburst in OJ287		1.3, 2	14	8.0
	Rastorgueva, E.	Tuorla					
	Takalo, L.	Tuorla					
	Valtaoja, E.	Tuorla					
	Valtonen, M.	Tuorla					
	Wiik, K.	Tuorla					

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BS167	Sokoloski, J. Brocksopp, C. Kaiser, C. Mioduszewski, A. Rupen, M.	CfA MSSL Southampton NRAO-Socorro NRAO-Socorro	Expanding shell and jet of RS Ophiuchus		3.6, 13	5,11,18,23 ,29	20.0
BT085	Taylor, G. Blandford, R. Fassnacht, C. Gehrels, N. Michelson, P. Myers, S. Pearson, T. Readhead, T. Romani, R. Sjouwerman, L. Ulvestad, J. Walker, C. Weintraub, L.	UNM Stanford Calif., Davis NASA Stanford NRAO-Socorro Caltech Caltech Stanford NRAO-Socorro NRAO-Socorro NRAO-Socorro Caltech	VLBA Imaging adnd polarimetry survey (VIPS)		2, 3.6	19	10.7
BV059	Vleimmings, W. Torrelles, J. vanLangevelde, H.	Manchester CSIC JIVE	Co-evolution of Methanol and water maser filaments in Cepheus A starforming region		1.3, 2	3	5.0
BY021	Yi, J. Booth, R. Conway, J.E.	KASI Onsala Onsala	Joint VLA/VLBA observations of SiO masers in two Miras		0.7 With Y1	4,24	17.0
GM062	Orienti, M. Morganti, R. Dallacasa, D. Oosterloo, T.	Bologna ASTRON Bologna ASTRON	Imaging the very broad HI absorption in radio galaxies		18 For correlatio n at JIVE	3	12.5
	Staff	NRAO	Maintenance				100.0

Based on Actual Hours Observed

The average downtime was 24.6 hours 6.1%

Actual observing time was 378.6 hours

The VLBA was scheduled 76.7% of the time 571.0 hours of a possible 744 hours

Astronomical Observations = 54.2% (403.2 hours)
Tests and Calibrations = 13.1% (97.8 hours)
Maintenance = 9.4% (70.0 hours)

Based on Scaled Observing Hours

Number of hours of observing possible = 744 hours

Number of scaled hours of astronomical observations = 559.5 hrs

Downtime = 6.1% (34.1 hours)

Actual observing = 525.4 hours

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BB213	Brisken, W. Romani, R.	NRAO-Socorro Stanford	Pulsar J0538+2817		21	28	2.0
BC152	Claussen, M. Marvel, K. Simpson, C.M. Wootten, H.	NRAO-Socorro AAS Wellesley NRAO-CV	Parallax and proper motions of water masers in the Ophuiuchi Molecular cloud complex		1.3	4	5.0
BC161	Cotton, W.D. Danchi, W. Lacasse, M. Ragland, S. Schloerb, P. Townes, C. Traub, W.	NRAO-CV NASA CfA CfA U.Mass Calif.-Berkeley CfA	Obs. of MIras with Photospheric Asymmetries II		7	3	10.0
BD105	Dhawan, V. Fomalont, E. Lesstrade, J.-F. Mioduszewski, A. Rupen, M.	NRAO-Socorro NRAO-CV Obs. de Paris NRAO-Socorro NRAO-Socorro	Astrometry of X-ray binaries		1.3, 2	2	5.33
BD112	Doi, A. Asada, K. Harada, K. Inoue, M. Kameno, S. Nagai, H. Wajima, K.	Yamaguchi NAOJ Yamaguchi NAOJ NAOJ NAOJ KAO	Radio loud narrow-line Seyfert 1s		18	7, 10	14.0
BF088	Fish, V. Harris, D.E. Cheung, C.C. Junor, W.	NRAO-Socorro CfA Kavli LANL	Multi-frequency Hydroxyl Maser Obs. of G11.90-0.14		2	22, 27	15.0
BH135	Harris, D.E. Cheung, C.C. Junor, W.	CfA MIT LANL	Flare decay of Knot 'HST-1' in the M87 jet		20	3, 6	15.0
BH136	Hachisuka, K. Brunthaler, A. Hagiwara, Y. MEnten, K. Mochizuki, N. Reid, M.	MPIfR JIVE NAOJ MPIfR ISAS CfA	Astrometry of H2O mser sources in outer part of the galaxy		1.3	9	6.0
BK130	Fomalont, E. Gordon, D. Kovalev, Y.Y. Petrov, L.	NRAO-CV Raytheon NRAO-GB NASA	Northern Polar Cap VLBA Survey		3.6	14,16,23	72.0
BL128	Loinard, L. Mioduszewski, A. Rodriguez, L. Torres, R.	UNAM NRAO-Socorro UNAM UNAM	Distance to Taurus and Ophiuchus from multi-epoch VLBA Obs.		3.6	11	4.0
BL137	Lister, M.L. Aller, H.D. Aller, M.F. Arshakian, T. Homan, D. Kadler, M. Kellermann, K. Kovalev, Y.Y. Lobanov, A. Ros, E. Vermeulen, R. Zensus, J.A.	Purdue Univ. Michigan Univ. Michigan MPIfR Denison MPIfR NRAO-CV NRAO-GB MPIfR MPIfR ASTRON MPIfR	MOJAVE II Program		2	12	24.0
BM229	Marscher, A.P. Aller, M.F. D'Arcangelo, F. Jorstad, S. McHardy, I.	Boston Michigan Boston Boston Southampton	Probing compact jets through multi-waveband variability and polarization		1.3	5	16.0
BM232	Marvel, K. Boboltz, D.	AAS USNO	Measuring the proper motions of the H2O masers toward OH 12.8-0.9		1.3	24	5.0
BM235	Moellenbrock, G. Beasley, A. Claussen, M. Goss, W.M.	NRAO-Socorro NRAO-Santiago NRAO-Socorro NRAO-Socorro	Parallax and proper motions of galactic water masers		1.3	22	4.0
BM249	Miller-Jones, J. Fender, R. Rupen, M.	Amsterdam Southampton NRAO-Socorro	Following the transient ejecta of GRS 1915+105 out to arcsecond		18	28	4.0

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BO026	O'Brien, T. Bode, M.F. Davis, R.J. Evans, A. Eyres, S. Porcas, R.	Manchester John Moores Manchester Keele Central Lancashire MPIfR	Resolving the radio emission from 2006 outburst of recurrent nova RS Ophiuchi		18	26	10.75
BR100	Reid, M. Greenhill, L. Menten, K. Moscadelli, L. Xu, Y. Zheng, X.W.	CfA CfA MPIfR Cagliari Nanjing Nanjing	Spiral structure and kinematics of the Milky Way		2	25	10.0
BS161	Szymczak, M. Bartkiewicz, A. Diamond, P. Gerard, E.	Torun Torun Manchester Obs. de Paris	Polarized OH outburst in a proto-planetary nebulae		18	13	12.0
BT085	Taylor, G. Blandford, R. Fassnacht, C. Gehrels, N. Michelson, P. Myers, S. Pearson, T. Readhead, T. Romani, R. Sjouwerman, L. Ulvestad, J. Walker, C. Weintraub, L.	UNM Stanford Calif.-Davis NASA Stanford NRAO-Socorro Caltech Caltech Stanford NRAO-Socorro NRAO-Socorro NRAO-Socorro Caltech	VLBA Imaging and polarimetry Sruvey (VIPS)		2	9, 25	21.20
GC025	Charlot, P. Pradel, N. Lestrade, J.-F.	Bordeaux Bordeaux Meudon	Phase-reference astrometry of compact symmetric objects		3.6 With EB, WB, ON, MC, HH	18	24.0
GK034	Kharb, P. Shastri, P. Gabuzda, D. O'Dea, C. Baum, S.	Rochester IIA Cork Rochester Rochester	Parsec-scale polarization in FRI and FRII radio galaxies		3.6 Correlated at JIVE	20	14.0
GM060	McKean, J.P. Browne, I.W.A. Fassnacht, C. Koopmans, L. Porcas, R.	Calif.-Davis Jodrell Bank Calif.-Davis Groningen MPIfR	Structure in lensed images of CLASS B2108+213		6 Correlated at JIVE	17	10.0
RDV055	Gipson, J. Johnston, K. Fey, A. Ma, C. Gordon, D. Boboltz, D. Kingham, K. Behrend, D. Gipson, J. MacMillan, D. Petrov, L. Fomalont, E. Walker, C.	NASA USNO USNO NASA-GSFC Raytheon-GSFC USNO USNO NVI-GSFC NVI-GSFC NVI-GSFC NASA-GSFC NRAO-CV NRAO-Socorro	Geodesy/astrometry observations for 2006		3.6 With GcGgHhHoKk MaMcTcVaWf Wz	1 Scheduled as RDV55	24.12
	Staff	NRAO	Maintenance				92.0

Based on Actual Hours Observed

The average downtime was 8.2 hours 2.5%

Actual observing time was 320.0 hours

The VLBA was scheduled 70.8% of the time 476.0 hours of a possible 672 hours

Astronomical Observations	=	48.8%	(328.2 hours)
Tests and Calibrations	=	10.1%	(68.0 hours)
Maintenance	=	11.9%	(79.8 hours)

Based on Scaled Observing Hours

Number of hours of observing possible = 672 hours

Number of scaled hours of astronomical observations = 369.4 hrs

Downtime = 2.5% (9.24 hours)

Actual observing = 360.16 hours

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BB191	Barvainis, R. Ulvestad, J.S. Birkinshaw, M. Lehar, J.	NSF NRAO-Socorro Bristol CombinatoRx	Radio-quiet quasars		6 With AR, EB, GB, Y27	30	3.0
BB200	Brunthaler, A. Falcke, H. Greenhill, L. Henkel, C. Reid, M.	JIVE ASTRON CfA MPIfR CfA	Geometric distance to M33:Proper motion of M33/50		1.3	16,19	24.0
BB218	Bietenholz, M.F. Bartel, N. Rupen, M.	York U. York U. NRAO-Socorro	Structure of source near center of Ursa Minor dSph galaxy		18 With EB, GB	2	7.90
BC152	Claussen, M. Marvel, K. Simpson, C.M. Wilking, B. Wootten, H.	NRAO-Socorro AAS Wellesley UMSL NRAO-CV	Parallax and proper motions of water masers		1.3	6,18	10.0
BC156	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	6	8.0
BC159	Claussen, M.J. Sjouwerman, L.	NRAO-Socorro NRAO-Socorro	Possible bipolar pre-planetary nebula OH19.2-0.1		18 With Y1	23	8.0
BD105	Dhawan, V. Fomalont, E. Lestrade, J.-F. Mioduszewski, A. Rupen, M.	NRAO-Socorro NRAO-CV Obs. de Paris NRAO-Socorro NRAO-Socorro	VLBA Astrometry of X-ray binaries		1.3, 2	2,29	10.20
BD109	Dougherty, S. Pittard, J. O'Connor, E. Beasley, A.J. Claussen, M.J.	DRAO Leeds UPEI NRAO-Santiago NRAO-Socorro	Structural monitoring of colliding-wind binary WR140		0.7, 1.3, 2, 3.6, 6, 18 With Y1	20	12.0
BD115	Dodson, R. Alcolea, J. Bujarrabal, V. Colomer, F. Rioja, M.J. Soria-Ruiz, R.	ISAS OAN OAN OAN OAN JIVE	Frequency Phase transfer astrometry to align AGB star maser images		0.7	7	6.0
BG161	Gabuzda, D. Moloney, B. deBruyn, A.G. Macquart, J.-P. Gurvits, L.I.	Cork University Cork ASTRON NRAO-Socorro JIVE	Polarimetric imaging of scintillating quasar J1819+3845		0.7, 1.3, 2, 3.6 With Y27	6	15.0
BK127	Knudsen, K. Walter, F. Momjian, E. Carilli, C. Yun, M.	MPIA MPIA Arecibo NRAO-Socorro Massachusetts	Imaging two submm-bright quasars at redshift 2.8		18 With GB, Y27	9	7.0
BK129	Kameno, S. Nakai, N. Sato, N. Sawada-Satoh, S. Yoshikawa, R.	NAOJ Tsukuba Univ. Nobeyama Radio Obs. ASIAA Univ. Tokyo	Water mser tomography through molecular torus of NGC 1052		1.3, 2	3	4.0
BL128	Loinard, L. Mioduszewski, A. Rodriguez, L.F. Torres, R.M.	UNAM NRAO-Socorro UNAM UNAM	Distance to Taurus and Ophiuchus from multi-epoch VLBA obs.		4	8,18,21,23	16.0
BL138	Leurini, S. Beuther, H. Menten, K. Moscadelli, L.	MPIfR CfA MPIfR Cagliari	Complementing thermal with H2O and CH3OH maser observations in massive YSO IRAS 05358+3543		1.3	19	7.0
BL139	Lobanov, A. Alef, W. Arshakian, T. Chavushyan, V. Mercado, A. Shapovalova, A.	MPIfR MPIfR MPIfR INAOE INAOE SAO	Parsec-scale radio emissino, accretion disk and broad-line region in 3C 390.3		1.3, 2	21	8.0

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BM229	Marscher, A. Aller, M.F. D'Arcangelo, F. JOrstad, S. McHardy, I.	Boston Michigan Boston Boston Southampton	Probing compact jets through multi-waveband variability and polarization		1.3, 0.7	12	16.0
BM230	Marscher, A. Aller, M.F. Jorstad, S. McHardy, I. Wannawichian, S.	Boston Michigan Boston Southampton Boston	Relation between the X-ray state and energy flow into jets of radio galaxies		0.7	3,8	20.0
BM235	Moellenbrock, G. Beasley, A. Claussen, M. Goss, M.	NRAO-Socorro NRAO-Santiago NRAO-Socorro NRAO-Socorro	Parallax and proper motions of galactic water maser		1.3	7,25	8.0
BM238	Momjian, E. Carilli, C. Walter, F. Riechers, D.	Arecibo NRAO-Socorro MPIA MPIA	Imaging the FIR-luminous QSO BRI 1335-0417 at redshift 4.4		18 With GB, Y27	8	7.0
BN035	Nagar, N. Eracleous, M. Storchi-Bergmann, T Strateva, I.	Univ. de Concepcion Penn State UFRGS, Brazil Penn State	SDSS Galaxies with double-peaked broad H lines		6	30	24.0
BP124	Punsly, B. Ulvestad, J. Wrobel, J.	Boeing NRAO-Socorro NRAO-Socorro	Imaging the Inner 1 Parsec of Mrk 231		2	22	8.0
BP129	Parra, R. Conway, J. Diamond, P. Thrall, H.	Onsala Onsala Manchester Manchester	Confirmation and follow up of new bright radio supernova		3.6, 13	9	10.0
BR099	Ros, E. Aller, H.D. Aller, M. Kadler, M. Kerp, J. Kovalev, Y.Y. Marscher, A. Weaver, K.A. Zensus, J.A.	MPIfR Univ. Michigan Univ. Michigan MPIfR Univ. Bonn NRAO-GB Boston Univ. GSFC MPIfR	NGC 1052, key to explore the disk-jet connection in AGN		1.3, 0.7	15	5.90
BR100	Reid, M. Greenhill, L. Menten, K. Moscadelli, L. Xu, Y. Zheng, X.W.	CfA CfA MPIfR Cagliari Nanjing Nanjing	Spiral structure and kinematics of the Milky Way		2	13	10.0
BT085	Taylor, G. Blandford, R. Fasnacht, C. Gehrels, N. Michelson, P. Myers, S. Pearson, T. Readhead, T. Romani, R. Sjouwerman, L. Ulvestad, J. Walker, C. Weintraub, L.	UNM Stanford Calif.-Davis NASA Stanford NRAO-Socorro Caltech Caltech Stanford NRAO-Socorro NRAO-Socorro NRAO-Socorro Caltech	VLBA Imaging and polarimetric survey (VIPS)		2	3,7,28	32.70
	Staff	NRAO	Maintenance				103.0

Based on Actual Hours Observed

The average downtime was 11.2 hours 3.9%

Actual observing time was 276.45 hours

The VLBA was scheduled 61.7% of the time 445.3 hours of a possible 728 hours

Astronomical Observations	=	40.0%	(287.65 hours)
Tests and Calibrations	=	11.1%	(80.65 hours)
Maintenance	=	10.6%	(77.00 hours)

Based on Scaled Observing Hours

Number of hours of observing possible = 728 hours

Number of scaled hours of astronomical observations = (397.9) hrs

Downtime = 3.9% (15.5 hours)

Actual observing = 382.4 hours

July through September 2006 Summary of VLBA Usage

Number of hours of observing possible = 2208 hours

Using Actual Observing Hours

Number of hours of astronomical observations = 943.1 hrs = 42.7%
Number of hours of calibrations/tests = 251.9 hrs = 11.4%
Number of hours of maintenance = 239.8 hrs = 10.8%

totals =1434.8 hrs = 64.9%

Downtime = 4.3% = 40.2 hrs.

Actual observing = 943.1 hrs - 40.2 hrs = 902.9 hrs.

Using Scaled Observing Hours

Number of hours of astronomical observations = 1327.3 hours

Downtime = 4.3% = 56.2 hrs.

Actual observing = 1327.3 hrs - 56.2 hrs = 1287.1 hrs.

Software Support Target Items

Item	Orig. Date	Rev. Date	Complete
Transcribe VLA observe/system files	11/30/02	01/31/07	
Correlator controller operational by Modcomps	04/04/05	07/14/06	09/26/06
Correlator controller operational by EVLA monitor and control	04/04/05	10/30/06	
Translate and copy stored VLA monitor data from 9-track to DAT	03/01/04	06/30/07	

January through March 2006 Summary of VLBA Usage

Number of hours of observing possible = 2144 hours

Using Actual Observing Hours

Number of hours of astronomical observations	= 1019.0 hours	= 47.5%
Number of hours of calibrations/tests	= 230.5 hours	= 10.7%
Number of hours of maintenance	= 242.8 hours	= 11.3%
totals	= 1492.3 hours	= 69.5%

Downtime = 42.5 hours = 4.1%

Actual observing = 1019.0 hours - 42.5 hours = 976.5 hours

Using Scaled Observing Hours

Number of hours of astronomical observations = 1326.7 hours

Downtime = 55.3 hours = 4.1%

Actual observing = 1326.7 hours - 55.3 hours = 1271.4 hours

Software Support Target Items

Item	Orig. Date	Rev. Date	Complete
* Transcribe VLA observe/system files	11/30/02	01/31/07	
Correlator controller operational by Modcomps	04/04/05	06/30/06	
Correlator controller operational by EVLA monitopr and control	04/04/05	06/30/06	
Modify JObserve for 2006 leap second	03/31/06		1/05/06
* Translate and copy stored VLA monitor data from 9-track to DAT	03/01/04	06/30/07	

* low priority

move sent to local sent computer