Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BA041	Aller, H.D. Aller, M.F. Hughes, P.A. Wardle, J.F.C. Homan, D.C. Roberts, D.H.	Michigan Michigan Michigan Brandeis Brandeis Brandeis	Sources with rapidly variable polarization		0.7, 1.3, 2	10	24.0
BB126	Brisken, W. Benson, J. Fomalont, E. Goss, M. Thorsett, S.	Princeton NRAO-Socorro NRAO-CV NRAO-Socorro Calif.-Santa Cruz	Parallaxes of ten nearby radio pulsars		18	10	5.0
BB129	Brogan, C. Claussen, M.J. Goss, M.	Kentucky NRAO-Socorro NRAO-Socorro	VLBA Zeeman observations of OH masers associated with SNRs		20	2	6.0
BB131	Britzen, S. Vermeulen, R.C. Taylor, G. Browne, I.W. Wilkinson, P.N. Pearson, T.J. Readhead, A.C.S.	NFRA NFRA NRAO-Socorro Jodrell Bank Jodrell Bank Caltech Caltech	Caltech-Jodrell snapshot survey of superluminal motion		6	16	34.0
BB134	Brisken, W. Golden, A. Goss, M. Thorsett, S.	Princeton NUI NRAO-Socorro Calif.-Santa Cruz	Parallax for PSR B0656+14		20	9	5.0
BC107	Cassaro, P. Stanghellini, C. Dallacasa, D. Bondi, M. Zappala, R.A.	Catania Noto Bologna Bologna Catania	90cm observations of jets in blazars		90 With Y1	26	14.0
BD069	Diamond, P.J. Kemball, A.J.	Jodrell Bank NRAO-Socorro	TX Cam: the final curtain		0.7 With Y1	20	8.0
BF062	Fuhrmann, L. Krichbaum, T.P. Cimo, G. Kraus, A. Witzel, A.	MPIfR MPIfR MPIfR MPIfR MPIfR	Jet speeds of intraday variable sources		6 With EB	3, 4, 17, 18	32.0
BG098	Greenhill, L.G. Diamond, P.J. Moran, J.M.	CfA Jodrell Bank CfA	Maser motions in Orion BN/KL		0.7 With Y1	8	8.0
BG110	Gallimore, J. Baum, S.A. Kukula, M. Murray, C. O'Dea, C. Pedlar, A. Thean, A.	NRAO-CV STScI Edinburgh UNM STScI Jodrell Bank Bologna	VLBA Observations of CfA Seyferts		13	2	4.5
BG111	Gallimore, J.F.	NRAO-Socorro	Possible new radio supernova in the merger remnant NGC 6240		13	8	6.0
BG112	Gallimore, J.F.	NRAO-Socorro	Jet proper motions in Seyfert galaxies		13	3,22,31	18.0
BG113	Gomez, J.L. Marscher, A.P. Marchenko-Jorstad, Alberdi, A. Agudo, I. Marti, J.M. Aloy, M.A. Ibanez, J.M.	IAA Boston Boston IAA IAA U. Jaen Valencia Valencia	Monitoring superluminal components in 3C120		0.7, 1.3, 2 With Y1	30	12.0
BH066	Hardcastle, M.J. Worrall, D.M. Birkinshaw, M.	Bristol Bristol Bristol	Hot spots of 3C123		90	1	14.0
BH076	Hollis, J.M. Pedelty, J.A. Boboltz, D.A. Forster, J.R. White, S.M.	NASA-GSFC NASA-GSFC USNO Calif.-Berkeley Maryland	The SiO maser shells of late-type stars		0.7	8	6.0

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BJ032	Johnston, K. Fey, A. Gaume, R. Clark, T. Ma, C. Eubanks, M. Kingham, K. Boboltz, D. Vandenberg, N. Himwich, E. Shaffer, D. Gordon, D. Fomalont, E. Walker, C.	USNO USNO USNO NASA-GFSC NASA-GSFC USNO USNO USNO NVI-GSFC NVI-GSFC Radiometrics Raytheon-GSFC NRAO-CV NRAO-Socorro	VLBA Geodesy/Astrometry Observations for 2000		3.6 Scheduled as RDV24	4	25.0
BK068	Kellermann, K.I. Winn, J. Cohen, M. Cohen, A.S. Hewitt, J. Vermeulen, R. Zensus, A.	NRAO-CV MIT Caltech MIT MIT NFRA MPIfR	Kinematics of quasars and AGN		2	28	24.0
BK073	Kellermann, K. Biretta, J. Owen, F. Junor, B.	NRAO-CV STScI NRAO-Socorro New Mexico	Kinematics of parsec and subparsec structure of M87 jet		2 With Y1	30	11.0
BL091	Lucas, R.	IRAM	Molecular and atomic absorption in the galactic ISM		20	14, 15	17.0
BM136	Marscher, A.P. Cawthorne, T.V. Stirling, A. Gear, W.K. Stevens, J.A. Marchenko, S.G. Lister, M.L. Gabuzda, D.C. Gomez, J.L. Smith, P. Forster, J.R. Yurchenko, A.V.	Boston Lancashire Lancashire Cardiff MRAO Boston JPL JIVE IAA KPNO Calif.-Berkeley St. Petersburg	Bright mm sources		0.7	11	24.0
BM139	Minnier, V. Booth, R. Ellingsen, S. Norris, R.	Onsala Onsala Tasmania ATNF	Proper motion studies of 12.2 GHz methanol masers		2	29, 30	12.0
BP072	Palmer, P. Goss, M.	Chicago NRAO-Socorro	VLBA observations of II J=1/2 OH in galactic sources		6	23	7.0
BP075	Patnaik, A. Kemball, A.	MPIfR NRAO-Socorro	Search for gravitational lensing in damped Ly systems		4, 2	2,3	16.0
BP076	Phillips, P.M. Browne, I. Myers, S. Norbury, M. Rusin, D. Wilkinson, P.	Jodrell Bank Jodrell Bank NRAO-Socorro Jodrell Bank Pennsylvania Jodrell Bank	Long track observations of a CLASS lens and lens candidate		6	20	13.0
BV040	Vlemmings, W.H.T. Baudry, A. Diamond, P. Habing, H.J. Schilizzi, R. van Langevelde, H.J	Leiden Bordeaux Jodrell Bank Leiden JIVE JIVE	Monitoring the amplified stellar image in 4 AGB stars		20	15	12.0
BV042	Venturi, T. Dallacasa, D. Mantovani, F.	Bologna Bologna U Bologna	Second epoch monitoring of gamma-ray loud blazars		4, 1	7	14.0
BW053	Winn, J.	MIT	Model constraints for a new flat spectrum gravitational lens		4	17,18,22	10.0
W022	Reid, M.J. Greenhill, L.J. Argon, A.L. Moran, J.M.	CfA CfA CfA CfA	Nuclear Jet in M87		18 with GO, EB, UD, SH	19	9.0
W023	Jones, D.L. Wehrle, A.E.	JPL IPAC	NGC 4261		18 with RO, GO, Y27	22, 23	14.0
W040	Junor, B. Biretta, J.	New Mexico STScI	Proper motion in the Vir A jet		6 With Y27	20	5.0

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
W068	Zensus, J.A. Carrara, E. Abraham, Z. Lobanov, A.P. Unwin, S.C.	MPIfR Sao Paulo Sao Paulo MPIfR JPL	Quasar 3C 273		6 with NT, HH	27	7.0
W088	Roberts, D.H. Moellenbrock, G.A. Wardle, J.F.C. Gabuzda, D.C. Brown, L.F.	Brandeis NRAO-GB Brandeis JIVE Connecticut	Polarization monitoring of four bright quasars at 5 and 1.6 GHz		18 with RO, GO	29	9.0
	Staff	NRAO	Maintenance				90.5

The average downtime was 24.2 hours (5.7%)

Actual observing time was 401.3 hours

The VLBA was scheduled 82.0% of the time 593.5 hours of a possible 720 hours

Astronomical Observations = 59.0% (425.5 hours)
Tests and Calibrations = 14.0% (100.0 hours)
Maintenance = 9.0% (68.0 hours)

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BA047	Asaki, Y. Deguchi, S. Honma, M. Imai, H. Miyoshi, M.	ISAS Nobeyama Mizusawa Mizusawa Mizusawa	Determination of positions of a galactic evolved star with a distance of 2.3 kpc by phase-reference VLBI astronometry		1	21	5.0
BB122	Baudry, A. Diamond, P.J.	Bordeaux Jodrell Bank	Second epoch observations of the 13.4 GHz OH maser in W3 (OH)		2	10	14.0
BB125	Beasley, A.J. Claussen, M.J. Herrnstein, J.R.	NRAO-CV NRAO-Socorro Renaissance Tech	Monitoring of WR140		3.6, 6, 18 With Y1	18	11.0
BB126	Brisken, W. Benson, J. Fomalont, E. Goss, M. Thorsett, S.	Princeton NRAO-Socorro NRAO-CV NRAO-Socorro Calif.-Santa Cruz	Parallaxes of ten nearby radio pulsars		18	4, 20, 22, 25	20.0
BB129	Brogan, C. Claussen, M.J. Goss, M.	NRAO-Socorro NRAO-Socorro NRAO-Socorro	Zeeman obsrvations of OH (1720 MHz) masers associated with SNRs		20 VLBA	15,16,19	18.0
BC104	Chatterjee, S. Cordes, J.M. Goss, M. Fomalont, E.B. Beasley, A.J. Benson, J. Lazio, T.J.W. Arzoumanian, Z.	Cornell Cornell NRAO-Socorro NRAO-CV NRAO-CV NRAO-Socorro NRL NASA-GSFC	High frequency VLBA pulsar astrometry		6	27, 30	6.0
BC106	Coles, W.A.	Calif.-San Diego	Measurements of the solar wind speed near the sun using IPS	KLP	1.3, 2, 3.6, 6	10	8.5
BC110	Cotton, W. Spencer, R. Saikia, D.J. Garrington, S.	NRAO-CV Jodrell Bank NCRA-Pune Jodrell Bank	Search for jet deflecting gas in 3C43 and 3C454		18	13	12.0
BD069	Diamond, P.J. Kemball, A.J.	Jodrell Bank NRAO-Socorro	TX Cam: the final curtain		0.7 With Y1	17	8.0
BF064	Fish, V. Argon, A. Menten, K.M. Reid, M.J.	CfA CfA MPIfR CfA	Magnetic fields in masive star forming regions		20	22	10.0
BG098	Greenhill, L.G. Diamond, P.J. Moran, J.M.	CfA Jodrell Bank CfA	Maser motions in Orion BN/KL		0.7 With Y1	5, 9	16.0
BG099	Gomez, J.-L. Agudo, I. Marscher, A.P. Marchenko, S. Alberdi, A. Garcia-Miro, C. Cawthorne, T.	IAA IAA Boston Boston IAA IAA Lancashire	Polarization of sources with compact stationary components		0.7, 1.3, 2	3	18.0
BG112	Gallimore, J.	NRAO-CV	Jet proper motions in Seyfert galaxies		13	3,6,9,11,13,16	18.0
BH069	Hachisuka, K. Fujisawa, K. Honma, M. Imai, H. Kameya, O. Kawaguchi, N. Manabe, S. Miyoshi, M. Nishio, M. Omodaka, T. Sasao, T. Sawada-Satoh, S.	NAO NAO NAO NAO NAO NAO NAO NAO Kogoshima University Kagoshima University NAO NAO	Determination of the velocity of Galactic rotation at IRAS 21008+4700		1	20	5.0
BH075	Hagiwara, Y. Diamond, P.J. Nakai, N. Henkel, C.	MPIfR Jodrell Bank NAO MPIfR	Nuclear water maser in NGC 5793		1.3 With Y27	27	8.0
BK071	Kowatsch, P. Krichbaum, T.P. Roy, A. Zensus, J.A. Witzel, A. Fricke, K.J.	MPIfR MPIfR MPIfR MPIfR MPIfR Gottingen	Two-sided jet in Seyfert 2 galaxy NGC 3079		3.6, 6, 18 with EB, Y1	30	12.0
BL091	Liszt, H. Lucas, R.	NRAO-CV IRAM	Molecular and atomic absorption in the Galactic ISM		20	18,19	16.0

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BM143	Margot, J-L. Campbell, D.B. Slade, M.A. Jurgens, R.F.	Arecibo Cornell JPL JPL	Bistatic radar observations of the lunar south pole	S	13 (SC only)	19, 20, 21	10.0
BP075	Patnaik, A. Kemball, A.	MPIfR NRAO-Socorro	Search for gravitational lensing in damped Ly systems		4,2	28	15.0
BR067	Ratner, M.I. Bartel, N. Bietenholz, M.F. Lebach, D.E. Lestrade, J.-F. Ransom, R.R. Shapiro, I.I.	CfA York York CfA Meudon York CfA	Astronometry of IM Peg in 2000 for the gravity probe-b mission		2, 3.6, 6 With EB, DSN, Y27	5, 6	36.0
GB037	Browne, I.W.A. Jackson, N.J.F. Biggs, A.D. Mao, S. Wilkinson, P.N. Wucknitz, O. Porcas, R.W. Patnaik, A.R.	Jodrell Bank Jodrell Bank Jodrell Bank Jodrell Bank Jodrell Bank Hamburg MPIfR MPIfR	Gravitational lens system B0218+35		3.6 With EVN, RO, GO, Y27	11	12.0
GB038	Bartel, N. Rupen, M.P. Beasley, A.J. Bietenholz, M.F. Conway, J. Altunin, V. Graham, D. Venturi, T. Umana, G.	York NRAO-Socorro NRAO-CV York Onsala JPL MPIfR Bologna Noto	SN1993J and the core-jet in M81		3.6, 6, 18 With EVN, RO, GO, Y27	12	12.0
GM040	Marcaide, J.M. Guirado, J.C. Alberdi, A. Lara, L. Ros, E. Diamond, P. Shapiro, I.I. Preston, R.A. Schilizzi, R.T. Mantovani, F. Perez-Torres, M.A. Trigilio, C. Van Dyk, S. Weiler, K.W. Sramek, R.A. Whitney, A.R.	Valencia Valencia IAA IAA MPIfR Jodrell Bank CfA JPL JIVE Bologna IRA Italy Noto IPAC NRL NRAO-Socorro Haystack	Monitoring of the expansion of SN 1993J at 6 and 18cm		6, 18 with EVN, Y27	20, 24	22.0
GM043	Moscadelli, L. Cesaroni, R. Rioja, M.	Cagliari Arcetri OAN	Water masers in high-mass protostar IRAS 20126+4104		1.3 with EVN	9, 26	24.0
GO005	Owsianik, I. Peck, A. Schilizzi, R. Taylor, G. Conway, J.	MPIFR MPIFR JIVE NRAO-Socorro Onsala	The study of inner jet in 3C236		6, 18 With EVN, Y1	15	12.0
GP028	Pihlstrom, Y. Conway, J. van Langevelde, H. Jaffe, W. Schilizzi, R.	Onsala Onsala JIVE Leiden JIVE	HI absorbing gas in NGC 4261		18 with EVN, Y27	21	12.0
V047	Gurvits, L.I.	JIVE	Structure of extremely high redshift quasars at 1.6 and 5 GHz		18 with TI	13	5.0
W009	Linfield, R.P. Ulvestad, J.S.	JPL NRAO-Socorro	The most compact TDRSS Sources: J1924-2914 and J2218-0335		6, 18 with AT, CD	24, 25	18.0
W035	Gurvits, L.I. Frey, S. Schilizzi, R.T. Kellermann, K.I. Lobanov, A.P. Moran, E.C. Laurent-Muehleisen, Pauliny-Toth, I.I.K	JIVE FOMISGO JIVE NRAO-CV MPIfR Calif.-Berkeley Calif.-Davis MPIfR	Structure of extremely high redshifted quasars		6	28	9.5
W052	Rioja, M.J. Porcas, R.W.	OAN MPIfR	Astrometry on the quasars 1038+52A, B		6 with EB	4	10.0

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
W330	Kameno, S. Wajima, K. Zhi-Qiang, S. Inoue, M. Sawada-Satoh, S.	NAO ISAS NAO NAO NAO	Complementary multi-frequency GPS survey		6 with EB	2, 17	24.0
W331	Kameno, S. Wajima, K. Zhi-Qiang, S. Inoue, M. Sawada-Satoh, S.	NAO ISAS NAO NAO NAO	Complementary multi-frequency GPS survey		6	21	8.0
	Staff	NRAO	Maintenance				74.0

The average downtime was 10 hours (2.3%)

Actual observing time was 424.5 hours

The VLBA was scheduled 82.0% of the time 572.5 hours of a possible 696 hours

Astronomical Observations = 62.0% (434.5 hours)
Tests and Calibrations = 12.0% (80.5 hours)
Maintenance = 8.0% (57.0 hours)

VLBA Utilization Report September 2000

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BA041	Aller, H.D. Aller, M.F. Hughes, P.A. Wardle, J.F.C. Homan, D.C. Roberts, D.H.	Michigan Michigan Michigan Brandeis Brandeis Brandeis	Sources with rapidly variable polarization		0.7, 1.3, 2	27	24.0
BB125	Beasley, A.J. Claussen, M.J. Herrnstein, J.R.	NRAO-CV NRAO-Socorro Renaissance Tech	Monitoring of WR140		3.6, 6, 18 with Y1	25	12.0
BB126	Brisken, W. Benson, J. Fomalont, E. Goss, M. Thorsett, S.	Princeton NRAO-Socorro NRAO-CV NRAO-Socorro Calif-Santa Cruz	Parallaxes of ten nearby radio pulsars		18	12, 13	10.0
BB129	Brogan, C. Claussen, M.J. Goss, M.	NRAO-Socorro NRAO-Socorro NRAO-Socorro	VLBA Zeeman obsrvations of OH masers associated with SNRs		20	16,30	6.0
BC103	Chatterjee, S. Cordes, J.M. Goss, M. Fomalont, E.B. Beasley, A.J. Benson, J. Lazio, T.J.W. Arzoumanian, Z.	Cornell Cornell NRAO-Socorro NRAO-CV NRAO-CV NRAO-Socorro NRL NASA-GSFC	Gated VLBA pulsar astrometry		18	17, 23	24.0
BC105	Cotton, W.D. Saslaw, W.C.	NRAO-CV Virginia	Search for lensing by the star in front of 3C 435B		3.6 with Y1	19	10.0
BD067	Desai, K.M. Benson, J.M. Kern, J.S.	Renaissance Tech NRAO-Socorro NMIMT	Search for anisotropic interstellar scattering of pulsars		90	2	10.0
BD069	Diamond, P.J. Kemball, A.J.	Jodrell Bank NRAO-Socorro	TX Cam: the final curtain		0.7 with Y1	21	8.0
BF057	Falcke, H. Aller, M. Aller, H.D. Bower, G. Brunthaler, A. Terasranta, H.	MPIR, Bonn Michigan Michigan NRAO-Socorro MPIR, Bonn Metsahovi	III Zw 2, the first superluminal jet in a spiral galaxy: an update		2, .7	6	8.0
BG097	Gudel, M. Beasley, A.J. Benz, A.O. Brinkman, A. Mewe, R. Savin, D.	Paul Scherrer NRAO-CV IoA Utrecht Utrecht Columbia University	Energy release in stellar coronae		4	30	12.0
BG098	Greenhill, L.G. Diamond, P.J. Moran, J.M.	CfA Jodrell Bank CfA	Maser motions in Orion BN/KL		0.7 with Y1	1	8.0
BG103	Gabuzda, D. Pushkarev, A.B.	JIVE ASC	Unique parsec-scale propoerties of the BL lac object 0820+225		6,4,2	24	14.0
BH064	Hachisuka, K. Fujisawa, K. Honma, M. Imai, H. Kameno, S. Kameya, O. Kawaguchi, N. Manabe, S. Miyoshi, M. Sasao, T. Sawada-Satoh, S.	NAOA NAO NAO NAO NAO NAO NAO NAO NAO NAO NAO	Accurate positions of masers associated with Mira type stars		1, .7	10, 11	20.0
BH069	Hachisuka, K. Fujisawa, K. Honma, M. Imai, H. Kameya, O. Kawaguchi, N. Manabe, S. Nishio, M. Omodaka, T. Sasao, T. Sawada-Satoh, S.	Graduated University NAO NAO NAO NAO NAO NAO NAO Kagoshima NAO NAO	Determination of the velocity of Galactic rotation at IRAS 21008+4700		1	9	5.0
BL086	Lobanov, A. Ros, E. Zensus, J.A.	MPIR, Bonn MPIR, Bonn MPIR, Bonn	Monitoring of theongoing flare in the VLBI core of 3C345		2,1,.7	6	3.0

VLBA Utilization Report September 2000

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BL092	Lister, M. Piner, B.G. Preston, R.A. Tingay, S.	JPL JPL JPL ATNF	Pearson-Readhead survey at 43 GHz		7	10	12.25
BP068	Palmer, P. Goss, M.	Chicago NRAO-Socorro	H2CO masers with the VLBA		6 with Y27	22	12.0
BP070	Patnaik, A.R. Kemball, A.J.	MPIfR NRAO-Socorro	Propagation effects in the gravitational lens B1600+434		0.7, 2	9	10.0
BR069	Rusin, D. Norbury, M. Koopmans, L. Wilkinson, P.N. Browne, I.W.A. Jackson, N. Myers, S.T. Fassnacht, C.D. Marlow, D.R. Tegmark, M.	Pennsylvania Jodrell Bank Jodrell Bank Jodrell Bank Jodrell Bank Jodrell Bank NRAO-Socorro NRAO-Socorro Pennsylvania Pennsylvania	New CLASS gravitational lens systems B2319+051 and B0852+052		6 with Y1	18	24.0
BS070	Shen, Z.Q. Inoue, M. Kellermann, K. Moran, J.M.	NAO NAO NRAO-CV CfA	Superluminal bent jet in PKS 1921-293		6,.7	1	7.0
BS081	Strelnitski, V. Benson, P. Kogan, L. Salter, D.	Maria Mitchell Wellesley NRAO-Socorro Wellesley	Multi-epoch imaging of VX Uma		1	3	8.0
BT053	Tingay, S.	ATNF	Continued VLBA observations of the nearby FR II radio galaxy, Pictor A		4	9	4.0
BV040	Vlemmings, W.H.T. Baudry, A. Diamond, P.J. Habing, H.J. Schilizzi, R.T. van Langevelde, H.J	Sterrewacht Leiden Bordeaux Jodrell Bank Sterrewacht Leiden JIVE JIVE	Monitoring the amplified stellar image in 4		20	1	12.0
BW050	Wrobel, J. Fassnacht, C. Myers, S. Taylor, G.B.	NRAO-Socorro NRAO-Socorro NRAO-Socorro NRAO-Socorro	FIRST Sources in the NOAO deep wide field J1432+3416		4	8	7.0
BW051	Walker, C. Benson, J.M.	NRAO-Socorro NRAO-Socorro	Constraining a possible helical flow in 3C120		20	4	13.0
BY012	Yi, J. Booth, R.S. Winnberg, A. Humphreys, E.M.L. Conway, J. Diamond, P.J.	Onsala Onsala Onsala Onsala Onsala Jodrell Bank	v=1 and v=2 SiO masers in Mira variables R Cas and TX Cam		0.7 with Y1	5	10.0
V047	Gurvits, L.I.	JIVE	Structure of extremely high redshift quasars at 1.6 and 5 GHz		18	25	6.0
V053	Witzel, A.	MPIfR	Polarization variability of intraday variable sources		6 with EB	29	15.0
W018	Snellen, I.A.G. Tschager, W. Schilizzi, R.T. deBruyn, A.G. Miley, G.K. Rottgering, H.J.A. vanLangevelde, H.J. Fanti, C. Fanti, R.	Cambridge Leiden JIVE NFRA Leiden Leiden NRAO-Socorro Bologna Bologna	GPS galaxies and quasars		18	12	7.0
W314	Murphy, D.W. Conway, J.E. Polatidis, A. Preston, R.A. Hirabayashi, H. Murata, Y. Kobayashi, H.	JPL Onsala Onsala JPL ISAS ISAS NAO	Regular monitoring of 1928+738		6 with UD	7	12.0
W327	Horiuchi, S. Migenes, V. Murata, Y. Shen, Z.	NAO Guanajuato ISAS NAO	OH and formaldehyde absorption		6, 18 with RO	27	6.0
	Staff	NRAO	Maintenance				96.0

The average downtime was 15.6 hours (4.6%)

Actual observing time was 324.4 hours

The VLBA was scheduled 74% of the time 533.0 hours of a possible 720 hours

Astronomical Observations	= 47.0%	(340.0 hours)
Tests and Calibrations	= 17.5%	(125.0 hours)
Maintenance	= 9.5%	(68.0 hours)

VLBA Utilization Report August 2000

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BA042	Attridge, J.M. Homan, D.C. Wardle, J.F.C.	Haystack Brandeis Brandeis	VLBA Observations of jet proper motions and circular polarization in a large sample of blazars		6	9	24.0
BB125	Beasley, A.J. Claussen, M.J. Herrnstein, J.R.	NRAO-CV NRAO-Socorro Renaissance Tech	Monitoring of WR140		3.6, 6, 18 With Y1	20	12.0
BB126	Brisken, W. Benson, J. Fomalont, E. Goss, M. Thorsett, S.	Princeton NRAO-Socorro NRAO-CV NRAO-Socorro Calif.-Santa Cruz	Parallaxes of ten nearby radio pulsars		18	12, 13, 14	15.0
BC081	Cotton, W.D. Fanti, C. Fanti, R. Dallacasa, D. Foley, A.R. Schilizzi, R.T. Spencer, R.E.	NRAO-CV Bologna Bologna Bologna NFRA JIVE Jodrell Bank	Faraday rotation in the core of 3C138		6 With Y1	6	12.0
BC106	Coles, W.A.	Calif.-San Diego	Measurements of the solar wind speed near the sun using IPS	LPK	1.3, 2, 3.6, 6	2, 1	8.0
BD069	Diamond, P.J. Kemball, A.J.	Jodrell Bank NRAO-Socorro	TX Cam: the final curtain		0.7 With Y1	21	8.0
BE020	Edwards, P.G. Murphy, D.W. Tingay, S.J.	ISAS JPL ATNF	Optical jet sources		4	21	6.25
BF043	Fey, A. Gaume, R. Eubanks, M. Johnston, K. Ma, C.	USNO USNO USNO USNO NASA-GSFC	Southern hemisphere astrometry for the celestial reference frame	KS	3.6	17	24.0
BF057	Falcke, H. Aller, M. Aller, H.D. Bower, G.C. Brunthaler, A. Terasranta, H.	MPIR, Bonn Michigan Michigan NRAO-Socorro MPIR, Bonn Metsahovi	III Zw 2, the first superluminal jet in a spiral galaxy: an update		2, .7	27	6.50
BG105	Giovannini, G. Feretti, L. Venturi, T. Cotton, W.D. Lara, L. Taylor, G.	Bologna Bologna Bologna NRAO-CV IAA NRAO-Socorro	VLBA observations of two compact symmetric objects		3.6, 6 With Y1	27	10.0
BG107	Greenhill, L.G. Moran, J.M. Diamond, P.J. Henkel, C.	CfA CfA Jodrell Bank MPIfR	Wrap up to monthly monitoring of the NGC 4258 maser		1.3 With EB, Y27	12	15.5
BH068	Homan, D.C. Wardle, J.F.C.	Brandeis Brandeis	Direct distance measurements to compact radio sources at high redshift		6,4,2,1	25	24.25
BL089	Lazio, J. Chatterjee, S. Cordes, J. Bhat, R.	NRL Cornell Cornell Jodrell Bank	Galactic electron density and the angular broadening of pulsars		18	22, 23, 27	12.0
BM133	Moran, E.C. Becker, R.H. Laurent-Muehleisen, van Breugel, W.	Calif.-Berkeley Calif.-Davis Calif.-Davis IGPP	Parsec-scale radio morphology of narrow-line Seyfert 1 galaxies		6	21	3.25
BM135	Monnier, J.D. Danchi, W.C. Greenhill, L.J. Tuthill, P.G.	CfA NASA CfA Sydney	When winds collide: imaging the shock interface in the WR+OB binary WR112		6	1	9.25
BM138	Mutel, R. Ignace, R. Gayley, K.	Iowa Iowa Iowa	Wolf-Rayet binaries WR 146 and WR 147		3.6, 18 With Y27	24	4.0
BN009	Norbury, M. Blandford, R. Browne, I. Jackson, N. Koopmans, L. Marlow, D. Myers, S. Pearson, T. Readhead, T. Rusin, D. Wilkinson, P.	Manchester Caltech Manchester Manchester Groningen Pennsylvania Pennsylvania Caltech Caltech Pennsylvania Manchester	Long track observations of top CLASS lens candidates		20	28	12.50

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BP071	Polatidis, A.G. Bondi, M. Delacassa, D. Marcha, M.J.M.	Onsala IRA, Bologna IRA, Bologna Lisbon	Confirmation observations of compact symmetric objects from the 200 mJy flat spectrum radio source sample		20,4,2	4	24.0
BR067	Ratner, M.I. Bartel, N. Bietenholz, M.F. Lebach, D.E. Lestrade, J.-F. Ransom, R.R. Shapiro, I.I.	CfA York York CfA Meudon York U. CfA	Astronometry of IM Peg in 2000 for the gravity probe-b mission		2, 3.6, 6 With EB, RO, GO, Y27	7	18.0
BS081	Benson, P. Kogan, L. Salter, D.	Wellesley NRAO-Socorro Wellesley	Multi-epoch imaging of VS UMa in the 1.35cm H20 maser line		1	23	8.25
BT048	Taylor, G.	NRAO-Socorro	Imaging extreme Faraday rotation measures in quasar cores		0.7, 1.3, 2	11	9.0
BV040	Vlemmings, W.H.T. Baudry, A. Diamond, P.J. Habing, H.J. Schilizzi, R.T. van Langevelde, H.J	Leiden Bordeaux Jodrell Bank Leiden JIVE JIVE	Monitoring the amplified stellar image in 4 AGB stars		20	7	12.0
BZ023	Zhang, H. Gabuzda, D. Jin, C. Nan, R.	Beijing JIVE Beijing Beijing	Mapping the parsec-scale rotation-measure distribution of 3C147 at 3.6cm		4	3	15.0
W035	Gurvits, L.I. Frey, S. Schilizzi, R.T. Kellermann, K.I. Lobanov, A.P. Moran, E.C. Laurent-Muehleisen, Pauliny-Toth, I.I.K	JIVE FOMISGO JIVE NRAO-CV MPIfR Berkeley Calif.-Davis MPIfR	Structure of extremely high redshifted quasars		18, 6 With GO, HO, MP	2, 3	18.0
W079	Meier, D.L. Tingay, S.J. Preston, R.A. Murphy, D.W. Jones, D.L. Fujisawa, K. Hirabayashi, H. Kobayashi, H. Edwards, P.	JPL ATNF JPL JPL JPL NAO ISAS NAO ISAS	Centaurus A		6 with AT, Y27	6, 7, 5	24.0
W327	Horiuchi, S. Migenes, V. Murata, Y. Shen, Z.	NAO Guanajuato ISAS NAO-Mitaka	OH and formaldehyde absorption		6, 18 With RO, GO	30, 31	18.0
W330	Kameno, S. Wajima, K. Zhi-Qiang, S. Inoue, M. Sawada-Satoh, S.	NAO ISAS NAO NAO NAO	Complementary multi-frequency GPS survey		6	25	11.0
	Staff	NRAO	Maintenance				204.0

The average downtime was 14.5 hours (4.0%)

Actual observing time was 349.5 hours

The VLBA was scheduled 76% of the time 564.0 hours of a possible 720 hours

Astronomical Observations = 49.0% (364.0 hours)
Tests and Calibrations = 16.0% (118.0 hours)
Maintenance = 11.0% (82.0 hours)

Note: Lower than usual hours used for astronomical observing was due to the inability to schedule dynamic projects effectively during periods of FD maintenance visit (8/14-20), SC hurricane shutdown (8/22-24), NL maintenance work to install 3mm receiver mounts (8/2-3) and other short periods when 9 or fewer stations were available.

Total Number of astronomical programs was 27

VLBA Utilization Report July 2000

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BA041	Aller, H.D. Aller, M.F. Hughes, P.A. Wardle, J.F.C. Homan, D.C. Roberts, D.H.	Michigan Michigan Michigan Brandeis Brandeis Brandeis	Sources with rapidly variable polarization		0.7, 1.3, 2	28	24.0
BB108	Bower, G.C. Moscadelli, L.	NRAO-Socorro Cagliari, Italy	Testing the Galactic Center scatterline law with interstellar hydroxyl and methanol masers		2	4	6.0
BB124	Beasley, A.J. Herrnstein, J.R.	NRAO-CV Renaissance Tech	Monitoring of WR140		3.6, 6, 18 With Y1	21	12.0
BC104	Chatterjee, S. Cordes, J.M. Goss, M. Fomalont, E.B. Beasley, A.J. Benson, J. Lazio, T.J.W. Arzoumanian, Z.	Cornell Cornell NRAO-Socorro NRAO-CV NRAO-CV NRAO-Socorro NRL NASA-GSFC	High frequency VLBA pulsar astrometry		6	23	6.0
BD056	Di Matteo, T. Carilli, C. Fabian, A.	Cambridge NRAO-Socorro Cambridge	VLBA multi-frequency observations: a crucial test for the ADAF paradigm in nearby dead quasars		4,2	9	12.0
BD067	Desai, K. Benson, J.M. Kern, J.S.	Renaissance Tech NRAO-Socorro NMIMT	Search for anisotropic interstellar scattering of pulsars		90	27	10.25
BD069	Diamond, P.J. Kemball, A.J.	Jodrell Bank NRAO-Socorro	TX Cam: the final curtain		0.7 With Y1	16	8.0
BE020	Edwards, P.G. Murphy, D.W. Tingay, S.J.	ISAS JPL ATNF	Optical jet sources		4	7	6.0
BF057	Aller, M. Aller, H.D. Bower, G. Brunthaler, A. Terasranta, H.	Michigan Michigan NRAO-Socorro MPIR, Bonn Metsahovi	III Zw 2, the first superluminal jet in a spiral galaxy: an update		2, .7	22	6.25
BF058	Falcke, H. Reid, M. Henkel, C. Brunthaler, A.	MPIfR CfA MPIfR MPIfR	Towards measuring proper motions of local group galaxies		1.3 With EB	2	12.0
BG098	Greenhill, L.G. Diamond, P.J. Moran, J.M.	CfA Jodrell Bank CfA	Maser motions in Orion BN/KL		0.7 With Y1	31	8.0
BG105	Giovannini, G. Feretti, L. Venturi, T. Cotton, W.D. Lara, L. Taylor, G.	Bologna Bologna Bologna NRAO-CV IAA NRAO-Socorro	VLBA observations of two compact symmetric objects		3.6, 6 With Y1	1	10.0
BG106	Giovannini, G. Feretti, L. Venturi, T. Taylor, G. Lara, L. Cotton, W.D.	Bologna Bologna Bologna NRAO-Socorro IAA NRAO-CV	Second epoch of three symmetric radio galaxies		3.6, 6, 18 With Y1	30	15.0
BJ032	Johnston, K. Fey, A. Gaume, R. Clark, T. Ma, C. Eubanks, M. Kingham, K. Boboltz, D. Vandenberg, N. Himwich, E. Shaffer, D. Gordon, D. Fomalont, E. Walker, C.	USNO USNO USNO NASA-GFSC NASA-GSFC USNO USNO USNO NVI-GSFC NVI-GSFC Radiometrics Hughes-GSFC NRAO-CV NRAO-Socorro	VLBA Geodesy/Astrometry Observations for 2000		3.6 Scheduled as RDV22	6	25.0
BL082	Lazio, T.J.W. Desai, K. Fey, A.	NRL Renaissance Tech USNO	Search for refractive angular wander of B2 2050+36		90,50,20,13,4	25	8.0

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BM125	Murgia, M. Dallacasa, D. Stanghellini, C. Fanti, R.	IRA-Bologna Bologna Noto Bologna	Spectral analysis of CSOs		3.6, 6, 18 with Y1	8	18.0
BM127	Marscher, A.P. Cawthorne, T.V. Stirling, A. Gear, W.K. Stevens, J.A. Marchenko, S.G. Lister, M.L. Gabuzda, D.C. Yurchenko, A.V. Smith, P. Foster, J.R.	Boston Lancashire Lancashire Cardiff MRAO Boston JPL JIVE St. Petersburg KPNO HCRO	Evolution of polarized intensity of AGN at mm-optical wavelengths		0.7	17	24.0
BM133	Becker, R.H. Laurent-Muehleisen, van Breugel, W.	Calif.-Davis Calif.-Davis LLNL	Parsec-scale radio morphology of narrow-line Seyert 1 galaxies		6	5,20,22	9.0
BN014	Nagar, N. Falcke, H. Wilson, A.S.	Maryland MPIR, Bonn Maryland	Accretion and obscuration in LINERs: What can we learn from the AGN core and twin pc-scale jets in M89?		20,6,4,2	26	10.0
BO008	Ogley, R. Chaty, S. Dhawan, V. Marti, J. Mirabel, F. Pooley, G. Rodriguez, L.F.	Saclay Open University NRAO-Socorro Jaen Saclay MRAO UNAM	Search for new microquasars		4,2	24	6.0
BP056	Piner, B.G. Jones, D.L.	JPL JPL	15 GHz observations of the compact radio intermediate quasar PG 2209+184		2	26	4.25
BP062	Piner, B.G. Edwards, P.G.	JPL ISAS	Multi-epoch observations of the TeV sources 2155-304 and 1 ES		2	8	6.25
BS080	Sawada-Satoh, S. Inoue, M. Kameno, S. Shibata, K.M.	NAO, Japan NAO, Japan NAO, Japan NAO, Japan	Relative position between maser spots and nucleus in NGC 1052		2,1,.7	24	8.0
BT050	Taylor, G. Hough, D. Venturi, T.	NRAO-Socorro Trinity Bologna	Faraday rotation measure in FRII radio galaxies		6 with Y1	29	24.0
BW044	Wilson, A. Mundell, C. Nagar, N. Ulvestad, J.	Maryland Maryland Maryland NRAO-Socorro	Testing the AGN megamaser paradigms with all VLBA observable H2O megamasers		20,13,6,4	3,20	10.25
TF015	Foley, L.	NRAO-Socorro	Fringe Finders		20,13,6,4, 2,1, 0.7	4	6.25
V047	Gurvits, L.I.	JIVE	Structure of extremely high redshift quasars at 1.6 and 5 GHz		18, 6 with GO, TI	15, 16	23.0
W009	Linfield, R.P. Ulvestad, J.S.	JPL NRAO-Socorro	The most compact TDRSS Sources: J1924-2914 and J2218-0335			6	8.0
W075	Edwards, P. Lovell, J.E.J. Hirabayashi, H. Moellenbrock, G.A. Fujisawa, K. Jauncey, D. Reynolds, J. Tzioumis, A. Tornikoski, M.	ISAS ATNF ISAS NRAO-GB NAO ATNF ATNF ATNF Metsahovi	High brightness temperature source PKS 1921-293		6 with CD, HO, Y27	5	8.0
W079	Meier, D.L. Tingay, S.J. Preston, R.A. Murphy, D.W. Jones, D.L. Fujisawa, K. Hirabayashi, H. Kobayashi, H. Edwards, P.	JPL ATNF JPL JPL JPL NAO ISAS NAO ISAS	Centaurus A		6 with AT, Y27	23, 24, 22	24.0
	Staff	NRAO	Maintenance		192.0		460.0

The average downtime was 16.0 hours (4.0%)

Actual observing time was 342.0 hour

The VLBA was scheduled 77% of the time 557.0 hours of a possible
720 hours

Astronomical Observations	= 50.0%	(358.0 hours)
Tests and Calibrations	= 11.0%	(85.0 hours)
Maintenance	= 16.0%	(114.0 hours)

Total Number of astronomical programs was 30

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BB108	Moscadelli, L.	Cagliari, Italy	Testing the galactic center scattering law with interstellar hydroxy 1 and methanol masers		2	17	6.0
BB116	Beasley, A.J. Herrnstein, J.R.	NRAO-CV Renaissance Tech.	Non-thermal emission from O supergiants		3.6 With Y27	26	10.0
BB118	Brisken, W. Benson, J. Fomalont, E. Goss, M. Thorsett, S.	Princeton NRAO-Socorro NRAO-CV NRAO-Socorro Calif.-Santa Cruz	Parallaxes of ten nearby radio pulsars		18	20	5.0
BB120	Boboltz, D.A. Gaume, R.A. Fey, A.L. Hajian, A.R. Hummel, C.A. Johnston, K.J.	USNO USNO USNO USNO USNO USNO	Simultaneous VLBA/NPOI observations of radio stars		3.6	17	6.0
BB123	Brotherton, M.S. Lacy, M. Laurent-Muehleisen, Becker, R.H. Gregg, M. Beasley, A.J.	NOAO Calif.-Davis Calif.-Davis Calif.-Davis Calif.-Davis NRAO-CV	Radio bright broad absorption line quasars		18 With Y27	1	12.0
BB124	Beasley, A.J. Herrstein, J.R.	NRAO-CV Renaissance Tech.	Monitoring of WR140		3.6, 6, 18 With Y1	19	12.0
BD069	Diamond, P.J. Kemball, A.J.	Jodrell Bank NRAO-Socorro	TX Cam: the final curtain		0.7	22	8.0
BF058	Falcke, H. Reid, M. Henkel, C. Brunthaler, A.	MPIfR CfA MPIfR MPIfR	Towards measuring proper motions of local group galaxies		1.3 With Y27	20	12.0
BF061	Filho, M. Ho, L.C. Barthel, P. Falcke, H. Nagar, N.M. Wilson, A.S.	Kapteyn Carnegie Institute Kapteyn MPIfR Maryland Maryland	Incidence and properties of parsec scale radio cores in transition		6	22	10.0
BG073	Gomez, J.L. Alberdi, A. Marscher, A.P.	IAA IAA Boston University	Comparison of observed and simulated relativistic jets		1, .7	9	12.0
BG098	Greenhill, L.G. Diamond, P.J. Moran, J.M.	CfA Jodrell Bank CfA	Maser motions in Orion BN/KL		0.7 With Y1	30	8.0
BG099	Gomez, J.-L. Agudo, I. Marscher, A.P. Marchenko, S. Alberdi, A. Garcia-Miro, C. Cawthorne, T.	IAA IAA Boston Boston IAA IAA Lancashire	Polarization of sources with compact stationary components		0.7, 1.3, 2	29	18.0
BG100	Gwinn, C. Hirano, C.	Calif.-Santa Barbara Calif.-Santa Barbara	Size of the Vela Pulsar's Emission Region at 5 and 0.66 GHz		6	26	5.0
BL058	Lonsdale, C. Diamond, P. Smith, H. Lonsdale, C.	Haystack Jodrell Bank Calif.-San Diego Caltech-IPAC	Radio supernovae in OH megamaser galaxy Arp220		3.6, 6, 18 With Y27	11	14.0
BL080	Lobanov, A. Giesecke, A. Klare, J. Ros, E. Zensus, J.A.	MPIfR MPIfR MPIfR MPIfR MPIfR	Multi-frequency monitoring of parsec-scale jet in 3C345		6,4,2,1	10	11.0
BM123	Guirado, J.C. Perez-Torres, M.A. Ros, E.	Valencia Valencia MPIfR	Multi-wavelength absolute kinematics in the S5 polar sample		2	15	24.0
BM124	Mundell, C.G. Wilson, A.S. Ulvestad, J.S. Roy, A.L.	Maryland Maryland NRAO-Socorro MPIfR	Subparsec scale thermal emission from Seyfert accretion disks		3.6 With Y27	18	13.0
BM133	Moran, E.C. Becker, R.H. Laurent-Mueleisen, van Breugel, W.	Calif.-Berkeley Calif.-Davis Calif.-Davis IGPP	Parsec-scale radio morphology of narrow line Seyfert 1 galaxies		6	16	3.0
BN013	Nagar, N.M. Peck, A.B. Mundell, C.G.	Maryland MPIFR Maryland	Neutral hydrogen absorption in the LINER NGC 6500		18 With Y27	13	10.0

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BP062	Piner, B.G. Edwards, P.G.	JPL ISAS	Multi-epoch 15 GHz observations of the TeV sources 2155-304 and 1 ES 1959+650: completion of a TeV selected sample		2	2,9,29	18.0
BP066	Palen, S.	Washington	OH main line masers in PPN		18 With Y1	18	6.0
BP073	Peck, A. Falcke, H. Gallimore, J. Hagiwara, Y. Henkel, C. Menten, K. Ulvestad, J.	MPIfR MPIfR NRAO-CV MPIfR MPIfR MPIfR NRAO-Socorro	Water maser in Mrk 348		1	10	12.0
BR068	Roy, A. Krichbaum, T.P. Mundell, C. Ulvestad, J. Wilson, A.S.	MPIfR MPIfR UMD NRAO-Socorro STScI	Component motions un NGC 5506		20,6	1	10.0
BS081	Strelnitski, V. Benson, P. Kogan, L. Salter, D.	Maria Mitchell Obs. Wellesley NRAO-Socorro Wellesley	Multi-epoch imaging of VX U Ma in the 1.35 com H2O		1	3	8.0
BT051	Taylor, G. Zavala, B.	NRAO-Socorro NMSU	Faraday rotation measure study of the AGN environment		4,2	27	24.0
BU019	Uson, J. Beasley, T.	NRAO-CV NRAO-CV	HI absorption in 0902+343 at z=3.4		90 With Y27	12, 16, 17, 19	32.0
BV040	Vlemmings, W. Baudry, A. Diamond, P.J. Habing, H.J. Schillizzi, R.T. van Langevelde, H.	Leiden Bordeaux Jodrell Bank Leiden JIVE JIVE	Monitoring the amplified stellar image in 4 AGB stars		20	7	12.0
BW044	Wilson, A. Mundell, C. Nagar, N. Ulvestad, J.	Maryland Maryland Maryland NRAO-Socorro	Testing the AGN and megamaser paradigms with all VLBA observable H2O megamasers		20,6,4	23	8.0
GG041	Gabuzda, D.C. Gurvits, L.I.	JIVE JIVE	Magnetic field structure in high redshift quasars		3.6, 6 With EbMcNtTrWb	5	24.0
GM035	Marcaide, J.M. Perez-Torres, M.A. Guirado, J.C. Alberdi, A. Ros, E. Diamond, P.J. Shapiro, I.I. Preston, R.A. Schilizzi, R.T. Mantovani, F. Trigilio, C. Van Dyk, S. Weiler, K.W. Sramek, R.A. Whitney, A.R.	Valencia IRA Italy Valencia IAA MPIfR Jodrell Bank CfA JPL JIVE Bologna Noto UCLA NRL NRAO-Socorro Haystack	Monitoring of the expansion of SN 1993J at 6 and 18cm		6, 18 With EbNtJbWb+Y 27	6	11.0
GO003	Owsianik, I. Conway, J.E. Polatidis, A.G.	MPIFR Onsala JIVE-Onsala	Component spectra in CSOs		18 With EbJbMcNtTr WbOn	23	48.0
GR021	Paredes, J.M. Ribo, M. Marti, J. Massi, M.	Barcelona Barcelona U. Jaen MPIfR	A new microquasar candidate: LS 5039		6 With EbJbMcNtTr WbCmHh+Y27	3, 8	22.0
TF015	Foley, L.	NRAO-Socorro	Fringe Finer Survey		20,13,6,4, 2,1, .7	22	6.0
V028	Bower, G.C.	NRAO-Socorro	Compact Core of NRAO 530		18 with TI	4	7.0
W030	Tingay, S. Jauncey, D. Reynolds, J. Tzioumis, A. King, E. Edwards, P. Lovell, J. Hirabayashi, H. McCulloch, P.	ATNF ATNF ATNF ATNF ATNF ISAS ATNF ISAS Tasmania	Gamma ray loud and quiet AGN		6 with Cd, Mp	5, 28	17.0
	Staff	NRAO	Maintenance				94.8

The average downtime was 14.0 hours (3.0%)
Actual observing time was 450.0 hours
The VLBA was scheduled 83.1% of the time 599.0 hours of a possible
720 hours

Astronomical Observations	= 64.4%	(464.0 hours)
Tests and Calibrations	= 9.3%	(67.0 hours)
Maintenance	= 9.4%	(68.0 hours)

Total Number of astronomical programs was 35

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BB118	Brisken, W. Benson, J. Fomalont, E. Goss, M. Thorsett, S.	Princeton NRAO-Socorro NRAO-CV NRAO-Socorro UC-Santa Cruz	Parallaxes of ten nearby radio pulsars		18	14, 18, 24	15.0
BB120	Boboltz, D.A. Gaume, R.A. Fey, A.L. Hajian, A.R. Hummel, C.A. Johnston, K.J.	USNO USNO USNO USNO USNO USNO	Simultaneous VLBA/NPOI observations of radio stars		3.6	16, 21, 31	18.0
BB122	Baudry, A. Diamond, P.J.	Bordeaux Jodrell Bank	Second epoch observations of the 13.4 GHz OH maser in W3 (OH)		2	7	14.0
BB124	Beasley, A.J. Herrstein, J.R.	NRAO-CV Renaissance Tech	Monitoring of WR140		3.6, 6, 18 With Y1	26	12.0
BC101	Claussen, M.J. Goss, M. Desai, K.M. Frail, D.A.	NRAO-Socorro NRAO-Socorro Renaissance Tech NRAO-Socorro	1720 MHz OH masers in IC 443		18 With Y27	1	6.0
BC106	Coles, W.C.	Calif-San Diego	Solar wind speed using IPS		LPK,1.3,2, 3.6,6	13, 31	10.0
BD056	Di Matteo, T. Carilli, C. Fabian, A.	IoA NRAO-Socorro IoA	VLBA multi-frequency observations: crucial test for ADAF paradigm in nearby dead quasars		4,2	11	12.0
BD060	Dhawan, V. Kellermann, K.I. Romney, J.D.	NRAO-Socorro NRAO-CV NRAO-Socorro	Monitoring the accelerating, bent jet in 3C84		0.7 With Y1	1	3.5
BD062	Diamond, P.J. Kemball, A.J.	Jodrell Bank NRAO-Socorro	TX Cam: the sequel		0.7 With Y1	21	8.0
BD064	Desai, K. Anantharamaiah, K. Golap, K.	Renaissance Tech RRI NRAO-Socorro	Scattering in the solar wind at large elongations		2,4,13,20	6	10.0
BE020	Edwards, P.G. Murphy, D.W. Tingay, S.J.	ISAS JPL ATNF	Optical jet sources		4	24,25	12.0
BG073	Gomez, J.L. Alberdi, A. Marscher, A.P.	IAA IAA Boston	Comparison of observed and simulated relativistic jets: 22 and 43 GHz monitoring observations of the radio galaxy 3C 120		1,0.7	3	12.0
BG086	Gomez, J.L. Marscher, A.P. Alberdi, A. Gabuzda, D.C.	IAA Boston IAA JIVE	Lac object 0735+178		0.7, 1.3, 2	20	12.0
BG101	Gallimore, J. Genzel, R. Tacconi, L.J.	NRAO-GB MPE MPE	Possible new radio supernova in the merger remnant NGC 6240		20	2	6.0
BJ032	Johnston, K. Fey, A. Gaume, R. Clark, T. Ma, C. Eubanks, M. Kingham, K. Boboltz, D. Vandenberg, N. Himwich, E. Shaffer, D. Gordon, D. Fomalont, E. Walker, C.	USNO USNO USNO NASA-GFSC NASA-GSFC USNO USNO USNO NVI-GSFC NVI-GSFC Radiometrics Hughes-GSFC NRAO-CV NRAO-Socorro	VLBA Geodesy/Astrometry Observations for 2000		3.6 Scheduled as RDV21	22	25.0
BJ033	Jones, D. Wehrle, A.E.	JPL JPL	Search for parsec-scale absorption in NGC 6251		2, 3.6, 6, 18 With Y1	29, 30	24.0
BK073	Kellermann, K. Biretta, J. Owen, F. Junor, B.	NRAO-CV STScI NRAO-Socorro New Mexico	Kinematics of parsec and subparsec structure of M87 jet		2 With Y1	8	11.0
BK074	Kameno, S. Sawada-Satoh, S. Wajima, K. Zhi-Qiang, S.	NAO NAO ISAS NAO	Complementary multi-frequency VSOP and VLBA survey for GPS sources		1	13,4,2	24.0

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BL075	Lovell, J.E.J. Reynolds, J.E. Weiringa, M.H. Jauncey, D.L. King, E.A. Tzioumis, A.K. Edwards, P.G. McCulloch, P.M. Jones, D.L.	ATNF ATNF ATNF ATNF ATNF ATNF ISAS Tasmania JPL	Monitoring the compact structure in PKS 1830-211		1.3, 2, 3.6	1	10.0
BL081	Lister, M.L. Gower, A.C.	JPL Victoria	Investigating anomalously bright cores in classical double-lobed quasars		20, 6	19	16.0
BL086	Lobanov, A. Ros, E. Zensus, J.A.	MPIfR MPIfR MPIfR	Monitoring of the ongoing flare in the VLBI core of 3C 345		2,1,.7	31	3.0
BM112	Moran, J. Bragg, A. Diamond, P.J. Greenhill, L. Henkel, C. Trotter, A.	SAO SAO Jodrell Bank SAO MPIfR SAO	Next generation study of NGC4258 accretion disk physics from measurmenet of month-to-month variations		1	4	12.0
BO008	Ogley, R. Chaty, S. Dhawan, V. Hjellming, R. Marti, J. Mirabel, F. Pooley, G. Rodriguez, L.F.	Saclay Open University NRAO-Socorro NRAO-Socorro Jaen Saclay MRAO UNAM	Search for new microquasars		13,4,2	4	4.0
BP052	Pyatunina, T. Gabuzda, D. Marchenko, S.	IAA, Russia Lebedev St. Petersburg	Multi-frequency polarization imaging of 0059+581 and 1739+522		6,4,2,1	19	12.0
BP053	Polatidis, A.G. Conway, J.E. Murphy, D.W.	Onsala Onsala JPL	Continued coordinated monitoring of 1928+738		0.7, 2	8	12.0
BP059	Greenhill, L. Herrnstein, J. Ho, P.T.P. Moran, J. Patel, N. Zhang, Q.	SAO Renaissance Tech SAO SAO SAO SAO	Kinematics of gas within a few AU around IRAS 21391+5802		1	4,13	12.0
BR067	Ratner, M.I. Bartel, N. Bietenholz, M.F. Lebach, D.E. Lestrade, J.-F. Ransom, R.R. Shapiro, I.I.	CfA York York CfA Meudon York U. CfA	Astronometry of IM Peg in 2000 for the gravity probe-b mission		2, 3.6, 6 With Y27, RO, TI	15	17.5
BS078	Sanchez, C.C. Desmurs, J.F. Bujarrabal, V. Colomer, F. Alcolea, J.	OAN OAN OAN OAN OAN	SiO masers from the protoplanetary nebula OH231.8+4.2		0.7	14	9.0
BT044	Taylor, G. Beasley, A.J. Frail, D.A. Kulkarni, S.	NRAO-Socorro NRAO-CV NRAO-Socorro Caltech	VLBA observations of Gamma-Ray bursters		4	6	10.0
BY012	Yi, J. Booth, R.S. Winnberg, A. Humphreys, E.M.L. Conway, J. Diamond, P.J.	Onsala Onsala Onsala Onsala Onsala Jodrell Bank	v=1 and v=2 SiO masers in Mira variables R Cas and TX Cam		0.7 With Y1	12	12.0
GO003	Owsianik, I. Conway, J.E. Polatidis, A.G.	MPIFR Onsala JIVE-Onsala	Component spectra in CSOs		18 With EbMcNtTrWb On	26	24.0
GP025	Paragi, Z. Fejes, I. Vermeulen, R.C. Schilizzi, R.T. Spencer, R.E. Stirling, A.M.	FOMISGO FOMISGO NFRA JIVE Jodrell Bank Lancashire	Anomalous equatorial emission region of SS 433		18 with EbWbOnNtTr Mc	28	10.5
TF015	Foley, L.	NRAO-Socorro	Fringe Finders		20,13,6,4, 2,1,.7	14,19,28	18.0

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
W004	Venturi, T.	Bologna	Gamma-ray-loud blazars		6	13	8.0
	Bondi, M.	Bologna					
	Dallacasa, D.	Bologna					
	Fanti, R.	Bologna					
	Mantovani, F.	Bologna					
	Padrielli, L.	Bologna					
	Stanghellini, C.	Noto					
	Comastri, A.	Bologna					
	Ferrari, A.	Torino					
W030	Tingay, S.	ATNF	Gamma ray loud and quiet AGN		6 with AT, HO	22	8.0
	Jauncey, D.	ATNF					
	Reynolds, J.	ATNF					
	Tzioumis, A.	ATNF					
	King, E.	ATNF					
	Edwards, P.	ISAS					
	Lovell, J.	ATNF					
	Hirabayashi, H.	ISAS					
	McCulloch, P.	Tasmania					
W059	Kedziora-Chudczer,	AAO	Complete sample of intra-day variables		6 with AT, HO	25	7.0
	Jauncey, D.L.	ATNF					
	Reynolds, J.E.	ATNF					
	Tzioumis, A.K.	ATNF					
	Wieringa, M.H.	ATNF					
	Nicolson, G.D.	Hartebeesthoek					
	Quick, J.F.H.	Hartebeesthoek					
	Walker, M.A.	Sydney Univ					
	McCulloch, P.M.	Tasmania					
	Staff	NRAO	Maintenance				112.5

The average downtime was 32.0 hours (7.0%)
Actual observing time was 421.5 hours
The VLBA was scheduled 82.0% of the time 610.5 hours of a possible 744 hours

Astronomical Observations = 61.0% (453.5 hours)
Tests and Calibrations = 12.0% (89.0 hours)
Maintenance = 09.0% (68.0 hours)
Total Number of astronomical programs was 36

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BB118	Brisken, W. Benson, J. Fomalont, E. Goss, M. Thorsett, S.	Princeton NRAO-Socorro NRAO-CV NRAO-Socorro UC-Santa Cruz	Parallaxes of ten nearby radio pulsars		18	26	5.0
BB124	Beasley, A.J. Herrnstein, J.R.	NRAO-CV Renaissance Tech.	Monitoring of WR140		3.6, 6, 18 With Y1	20	12.0
BC103	Chatterjee, S. Cordes, J.M. Goss, W.M. Fomalont, E.B. Beasley, A.J. Benson, J. Lazio, T.J.W. Arzoumanian, Z.	Cornell Cornell NRAO-Socorro NRAO-CV NRAO-CV NRAO-Socorro NRL NASA-GSFC	Gated VLBA pulsar astrometry		18	21, 25	24.0
BD060	Dhawan, V. Kellermann, K.I. Romney, J.D.	NRAO-Socorro NRAO-CV NRAO-Socorro	Monitoring the accelerating, bent jet in 3C84		0.7 With Y1	30	10.5
BD062	Diamond, P.J. Kemball, A.J.	Jodrell Bank NRAO-Socorro	TX Cam: the sequel		0.7 With Y1	21	8.0
BG101	Gallimore, J.F. Genzel, R. Tacconi, L.J.	NRAO-CV MPE MPE	Possible new radio supernoa in the merger remnant NGC 6240		13	24	6.0
BI017	Ishihara, Y. Nakai, N. Diamond, P.	NAO-Nobeyama NAO-Nobeyama Jodrell Bank	High velocity features of water maser in the Seyfert IC 2560		1.3 With Y27	10	7.0
BJ031	Junor, B. Biretta, J. Wardle, J.	New Mexico STScI Brandeis	Polarmetric imaging of Virgo A		0.7, 1.3, 2 With Y27	7, 8	28.0
BK075	Kedziora-Chudczer, Bignall, H. Jauncey, D.L. Lovell, J.E.J. Nicolson, G.D. Perley, R.A. Reynolds, J.E. Tzioumis, A.K. Wieringa, M.H.	ATNF Adelaide ATNF ATNF HartRAO NRAO-Socorro ATNF ATNF ATNF	Structural variability of the four southern extreme IDV sources		6,1	3,9	12.0
BM110	Mutel, R.L. Denn, G.R.	Iowa Iowa	Monitoring BL Lac		0.7, 1.3, 2	22	14.0
BM112	Moran, J.M. Bragg, A. Diamond, P.J. Greenhill, L.J. Henkel, C. Trotter, A.S.	CfA Harvard Jodrell Bank Renaissance Tech MPIfR Harvard	Next generation study of NGC 4258 accretion disk physics from measurement of month to month variations		1	12	10.5
BM116	Marscher, A.P. Cawthorne, T.V. Gear, W.K. Stevens, J.A. Marchenko, S.G. Lister, M.L. Gabuzda, D.C. Yurchenko, A.V. Forster, J.R.	Boston Lancashire Cardiff MRAO Boston JPL JIVE St. Petersburg Calif.-Berkeley	Monitoring mm-bright AGN		0.7	5	24.0
BM126	Mioduszewski, A.J. Hjellming, R.M. Rupen, M.	ATNF NRAO-Socorro NRAO-Socorro	T of O Observations of the X-ray Binary Cygnus X-3 during and after a large flare		20,6,4,2	2,3,4,6,7, 21	63.0
BM129	Murphy, D. Marshall, H. Canizares, C. Coppi, P. Preston, R. Piner, G. Lister, M. Edwards, P. Hirabayashi, H.	JPL MIT MIT Yale JPL JPL JPL ISAS ISAS	Chandra and VLBA observations of 3C273 and 1156+295		0.7, 1.3, 2, 3.6	29	12.5

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BN009	Koopmans, L. Norbury, M. Blandford, R. Jackson, N. Koopmans, L. Myers, S. Pearson, T. Readhead, T. Rusin, D.	Groningen NRAL Caltech NRAO Groningen NRAO-Socorro Caltech Caltech Pennsylvania	Long-track observations of top CLASS lens cadidates		20	22	13.0
BP059	Patel, N.A. Greenhill, L.G. Herrnstein, J. Ho, P.T.P. Moran, J. Zhang, Q.	CfA CfA Renaissance Tech CfA CfA CfA	Kinematics of gas within a few AU around IRAS 21391+5802		1	11, 23	12.0
BP061	Phillips, R.B. Boboltz, D.A.	Haystack USNO	Monitoring of 43 GHz SiO maser emission towards MIRA		0.7 With Y1	10	8.0
BT037	Tingay, S.	JPL	Probing the core and pc-scale jet of a nearby gamma ray AGN, PKS 0521-365		6,4,1	23	7.0
BW046	Wrobel, J.M. Fassnacht, C.D. Ho, L.C.	NRAO-Socorro NRAO-Socorro Carnegie Obs.	Subparsec structure of the seyfert 1 nucleus of NGC 4395		20	11	7.0
BW047	Winn, J. Hewitt, J.N. Patnaik, A. Schechter, P.L.	MIT MIT MPIfR MIT	Snapshot survey of gravitational lens candidates		20,6	27,29	36.0
BW048	Wardle, J. Attridge, J. Elvis, M. Homan, D. Mathur, S.	Brandeis Haystack CfA Brandeis Ohio State	VLBA Obs. of x-ray/UV warm absorber in the quasar 3C212		4,2	26	14.0
GG042	Greenhill, L.G.	CfA	Why is the maser accretion disk in NGC 1068 unlike the one in NGC 4258?		4,1	24	6.0
W088	Roberts, D.H. Moellenbrock, G.A. Wardle, J.F.C. Gabuzda, D.C. Brown, L.F.	Illinois NRAO-GB Brandeis JIVE Connecticut	Polarization monitoring of four bright quasars at 5 and 1.6 GHz		18 With TI	1, 2	20.0
CMVA			Coordinated Millimeter VLBI Array		0.3	14	135.0
	Staff	NRAO	Maintenance				225.0

The average downtime was 14.0 hours (3.0%)
Actual observing time was 482.0 hours
The VLBA was scheduled 89.0% of the time 598.5 hours of a possible 720 hours

Astronomical Observations = 69.0% (496.0 hours)
Tests and Calibrations = 9.0% (65.0 hours)
Maintenance = 11.0% (80.0 hours)
Total Number of astronomical programs was 24

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Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BB107	Butler, B. Campbell, D. Ostro, S.	NRAO-Socorro Cornell JPL	VLBA-Radar observations of newly discovered near-earth objects in 1999		13	22, 23	3.0
BB117	Beasley, A.J. Herrnstein, J.R.	NRAO-CV Renaissance Tech	Monitoring of WR 140		2, 3.6, 6 with Y1	19	12.0
BB118	Brisken, W. Benson, J. Fomalont, E. Goss, M. Thorsett, S.	Princeton NRAO-Socorro NRAO-CV NRAO-Socorro Princeton	Parallaxes of ten nearby radio pulsars		18	1, 6	15.0
BB120	Boboltz, D.A. Gaume, R.A. Fey, A.L. Hajian, A.R. Hummel, C.A. Johnston, K.J.	USNO USNO USNO USNO USNO USNO	Simultaneous VLBA/NPOI observations of radio stars		3.6	10, 28	12.0
BC104	Chatterjee, S. Cordes, J.M. Goss, M. Fomalont, E.B. Beasley, A.J. Benson, J. Lazio, T.J.W. Arzoumanian, Z.	Cornell Cornell NRAO-Socorro NRAO-CV NRAO-CV NRAO-Socorro NRL NASA-GSFC	High frequency VLBA pulsar astrometry		6	22	6.0
BD062	Diamond, P.J. Kemball, A.J.	Jodrell Bank NRAO-Socorro	TX Cam: the sequel		0.7 with Y1	17	8.0
BF058	Falcke, H. Reid, M. Henkel, C. Brunthaler, A.	MPIfR CfA MPIfR MPIfR	Towards measuring proper motions of local group galaxies		1.3	21	4.0
BG073	Gomez, J.L. Alberdi, A. Marscher, A.P.	IAA IAA Boston	Comparison of obesrved and simulated relativistic jets: 22 and 43 GHz monitoring observations of the radio galaxy 3C120		1,7	27	13
BG102	Gallimore, J.F. Baum, S.A. Kukula, M. Murray, C. O'Dea, C.P. Pedlar, A. Thean, A.	NRAO-CV STScI Edinburgh UNM STScI NRAL Bologna	VLBA Observations of the CfA Seyferts		13	5	10.0
BH056	Ho, P.T.P. Anglada, G. Curiel, S. Gomez, J.F. Patel, N. Rodriguez, L.F. Torrelles, J.M.	SAO IAA UNAM LAEFF SAO UNAM IAA	Proper motion studies of circumstellar water masers in NGC 2071 and W75N(B)		1	5	6.0
BJ030	Jiang, D.R.	Shanghai	Is there a twin-jet in the nucleus of 1624+416?		1	1	5.0
BJ032	Johnston, K. Fey, A. Gaume, R. Clark, T. Ma, C. Eubanks, M. Kingham, K. Boboltz, D. Vandenberg, N. Himwich, E. Shaffer, D. Gordon, D. Fomalont, E. Walker, C.	USNO USNO USNO NASA-GFSC NASA-GSFC USNO USNO USNO NVI-GSFC NVI-GSFC Radiometrics Hughes-GSFC NRAO-CV NRAO-Socorro	VLBA Geodesy/Astrometry Observations for 2000		3.6 Scheduled as RDV20	13	25.0
BK071	Kowatsch, P. Krichbaum, T.P. Roy, A. Zensus, J.A. Witzel, A. Fricke, K.J.	MPIfR MPIfR MPIfR MPIfR MPIfR Gottingen	Two-sided jet in Seyfert 2 galaxy NGC 3079		3.6, 6, 18 with EB, Y1	6	12.0
BL086	Lobanov, A.P. Ros, E. Zensus, J.A.	MPIfR MPIfR MPIfR	Monitoring the ongoing flare in the VLBI core of 3C345		2,1,7	2	3.5

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BM112	Moran, J.M. Bragg, A. Diamond, P.J. Greenhill, L.J. Henkel, C. Herrnstein, J.R. Trotter, A.S.	CfA Harvard Jodrell Bank CfA MPIfR Renaissance Tech Harvard	Next generation study of NGC4258 accretion disk physics from measurement of month-to-month variations		1	4	12.0
BN009	Norbury, M. Blandford, R. Browne, I. Jackson, N. Koopmans, L. Marlow, D. Myers, S. Pearson, T. Readhead, T. Rusin, D. Wilkinson, P.	NRAL Caltech NRAL NRAL Groningen Pennsylvania Pennsylvania Caltech Caltech Pennsylvania NRAL	Long-track observations of top CLASS lens candidates		20	21	12.5
BP055	Peck, A.B. Taylor, G.B. Vermeulen, R.C.	MPIfR NRAO-Socorro NFRA	HI in compact symmetric object J1816+3457		18 with WB, Y1	9, 10	16.0
BP057	Piner, B.G. Edwards, P.G.	JPL ISAS	Multi-epoch observations of the TeV source 1ES 2344+514		2	23	8.0
BP059	Patel, N.A. Greenhill, L. Herrnstein, J. Ho, P.T.P. Moran, J. Zhang, Q.	SAO CfA Renaissance Tech CfA CfA CfA	Kinematics of gas within a few AU around IRAS 21391+5802		1	17	6.0
BP061	Phillips, R.B. Boboltz, D.A.	Haystack USNO	Monitoring of 43 GHz SiO maser emission towards MIRA		0.7 with Y1	12	8.0
BP062	Piner, B.G. Edwards, P.G.	JPL ISAS	Multi-epoch 15 GHz observations of the TeV sources 2155-304 and 1ES 1959+650		2	3,6	12.0
BP065	Peck, A. Taylor, G.	MPIfR NRAO-Socorro	Jet and hotspot velocities in compact symmetric objects		3.6 with Y1	25	24.0
BR066	Reid, M.J. Davis, J.	CfA CfA	Proper motion of Sgr A*		0.7	24, 26, 29	24.0
BU016	Ulvestad, J. Antonucci, R. Barvainis, R.	NRAO-Socorro UC, Santa Barbara Wootton Institute	Disks, jets, and thermal material in radio-quiet quasars		20, 6	12	12.0
BW047	Winn, J.N. Hewitt, J.N. Patnaik, A. Schechter, P.L.	MIT MIT MPIfR MIT	Snapshot survey of gravitational lens candidates		6	11	12.0
GS016	Snellen, I. Mack, K.H. Schilizzi, R.T. Tschager, W.	Cambridge Bologna/Bonn JIVE Leiden	Complete sample of GPS sources		6, 18 with EbMcNtTrSh WbJbOn	2	12.0
GX006	Xanthopoulos, E. Browne, I. Wilkinson, P. Porcas, R. Patnaik, A.	Jodrell Bank Jodrell Bank Jodrell Bank MPIfR MPIfR	JVAS gravitational lens B1030+074		2, 3.6, 18 with EB	2	14.0
TF015	Foley, L.	NRAO-Socorro			20,13,6,4, 2,1,7	5,10,13,23	24.0
W022	Reid, M.J. Greenhill, L.J. Argon, A.L. Moran, J.M.	CfA CfA CfA CfA	Nuclear Jet in M87		18	22, 27	21.0
W040	Junor, B. Biretta, J.	New Mexico STScI	Proper motion in the Vir A jet		6 with Y27	21, 23	20.0
W068	Zensus, J.A.	MPIfR	Quasar 3C273		5	15,17	20.0
W088	Roberts, D.H. Moellenbrock, G.A. Wardle, J.F.C. Gabuzda, D.C. Brown, L.F.	Illinois NRAO-GB Brandeis JIVE Connecticut	Polarization monitoring of four bright quasars at 5 and 1.6 GHz		18	16, 18	18.5
W094	Hirobayoshi	ISAS			6	30,31	20.0
	Staff	NRAO	Maintenance				95.5

The average downtime was 17.0 hours (4.0%)
Actual observing time was 413.5 hours
The VLBA was scheduled 78.8% of the time 584.5 hours of a possible
744 hours

Astronomical Observations	= 58.0%	(430.5 hours)
Tests and Calibrations	= 11.3%	(84.0 hours)
Maintenance	= 9.5%	(70.0 hours)

Total Number of astronomical programs was 33

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BB111	Brisken, W. Dewey, R. Thorsett, S. Beasley, A. Benson, J.	Princeton Princeton Princeton NRAO-CV NRAO-Socorro	Proper motions of pulsars in supernova remnants		18 With Y27	18	12.0
BB117	Beasley, A.J. Herrnstein, J.R.	NRAO-CV Renaissance Tech	Monitoring of WR 140		2, 3.6, 6 With Y1	5, 27	23.0
BB118	Brisken, W. Benson, J. Fomalont, E. Goss, M. Thorsett, S.	Princeton NRAO-Socorro NRAO-CV NRAO-Socorro Princeton	Parallaxes of ten nearby radio pulsars		18	14, 19	10.0
BB120	Boboltz, D.A. Gaume, R.A. Fey, A.L. Hajian, A.R. Hummel, C.A. Johnston, K.J.	USNO USNO USNO USNO USNO USNO	Simultaneous VLBA/NPOI observations of radio stars		3.6	9, 26	12.0
BD062	Diamond, P.J. Kemball, A.J.	Jodrell Bank NRAO-Socorro	TX Cam: the sequel		0.7 With Y1	14	8.0
BD064	Desai, K.M. Golap, K. Anantharamaiah, K.R	NRAO-Socorro NRAO Raman	Scattering in the solar wind at large elongations		2, 3.6, 18	17	24.0
BF049	Fanti, C. Dallacasa, D. Fanti, R. Gregorini, L. Pozzi, F. Stanghellini, c. Vigotti, M.	Bologna Bologna Bologna Bologna Bologna Noto Bologna	VLBI Structure of a new sample of CSS/GPS		20	1	13.0
BG096	Gomez, J.-L. Agudo, I. Marscher, A.P. Alberdi, A. Cawthorne, T.	IAA IAA Boston IAA Lancashire	BL Lac object 3C 371		0.7, 1.3, 2	9	10.0
BG102	Gallimore, J.F. Pedlar, A. Baum, S.A. Kukula, M. Murray, C. O'Dea, C. Thean, A.	NRAO-CV Jodrell Bank STScI Edinburgh UNM STScI Bologna	VLBA Observations of the CfA Seyferts		13	21	10.0
BH056	Ho, P.T.P. Anglada, G. Curiel, S. Gomez, J.F. Patel, N. Rodriguez, L.F. Torrelles, J.M.	SAO IAA, Granada UNAM LAEFF SAO UNAM IAA, Granada	Proper motion studies of circumstellar water masers		1	11	6.0
BH065	Hong, X.Y. Jiang, D.R. Wang, W.H. Zhou, J.F.	SAO SAO SAO SAO	VLBA Polarization observations for a sample of 15 EGRET AGNs at 18cm		20	7	24.0
BJ032	Johnston, K. Fey, A. Gaume, R. Clark, T. Ma, C. Eubanks, M. Kingham, K. Boboltz, D. Vandenberg, N. Himwich, E. Shaffer, D. Gordon, D. Fomalont, E. Walker, C.	USNO USNO USNO NASA-GFSC NASA-GSFC USNO USNO USNO NVI-GSFC NVI-GSFC Radiometrics Hughes-GSFC NRAO-CV NRAO-Socorro	VLBA Geodesy/Astrometry Observations for 2000		3.6 Scheduled as RDV19	1	14.5
BL080	Lobanov, A.P. Zensus, J.A. Ros, E. Klare, J. Geisecke, A.	MPIfR MPIfR MPIfR MPIfR MPIfR	Multi-frequency monitoring of the parsec scale jet in 3C345		0.7, 1.3, 2, 3.6, 6	4	14.0

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BM130	Monnier, J.D. Danchi, W.C. Greenhill, L.G. Tuthill, P.G.	CfA NASA CfA Sydney	Interacting Stellar Winds in WR 112?		20,13,6,4	10	7.0
BP061	Phillips, R.B. Boboltz, D.A.	Haystack USNO	Monitoring of 43 GHz SiO maser emission towards MIRA		0.7	12	8.0
BU016	Ulvestad, J. Antonucci, R. Barvainis, R.	NRAO-Socorro UCSB Wootten Institute	Disks, Jets, and Thermal Material in Radio-Quiet Quasars		20,13,6	6	12.0
GA018	Augusto, P. Browne, I. Wilkinson, P. Jackson, N.	Madeira Jodrell Bank Jodrell Bank Jodrell Bank	B2114+022 - a unique and puzzling gravitational lensing candidate		18 With EVN	11	11.0
GB034	Bartel, N. Rupen, M. Bietenholz, M. Beasley, A.J. Conway, J. Altunin, V. Graham, D. Venturi, T. Umana, G.	York NRAO-Socorro York NRAO-CV Onsala JPL MPIfR Bologna Noto	Detailed high resolution image of supernova 1993J in M81		3.6 With EVN, DSN, Y27	24	12.0
GD014	Dennett-Thorpe, J. de Bruyn, A.G.	Groningen NFRA	Peaked spectrum sources with their spectral peak above 5 GHz		1.3 With EVN	22	24.0
GG038	Giovannini, G. Feretti, L. Venturi, T. Cotton, W.D. Lara, L. Taylor, G.B.	Bologna Bologna Bologna NRAO-CV IAA NRAO-Socorro	Symmetrically expanding FRI radio galaxy 3C338		2, 3.6 With EVN, Y27	26	11.0
GG042	Greenhill, L.	CfA	Maser accretion disk in NGC 1068		1.3 With EVN, Y27	21, 23	24.0
GK020	Koopmans, L.V.E. de Bruyn, A.G.	Groningen NFRA	Scatter broadening in edge-on disk gravitational lens 1600+434		18 With EVN	14	6.0
GM036	Momjian, E. Romney, J.D. Troland, T.H. Goss, M.	Kentucky NRAO-Socorro Kentucky NRAO-Socorro	High velocity HI absorption against 3C 84		18 With EVN, Y27	19	18.0
GP025	Paragi, Z. Fejes, I. Vermeulen, R.C. Schilizzi, R.T. Spencer, R.E. Stirling, A.M.	FOMISGO FOMISGO NFRA JIVE Jodrell Bank Lancashire	Anomalous equatorial emission region of SS 433		18 With EVN	13, 20	21.0
GX006	Xanthopoulos, E. Browne, I. Wilkinson, P. Porcas, R. Patnaik, A.	Jodrell Bank Jodrell Bank Jodrell Bank MPIfR MPIfR	JVAS gravitational lens B1030+074		2, 3.6, 18 With EVN	12	14.0
	Staff	NRAO	Maintenance				114.0

The average downtime was 7.0 hours (2.0%)
Actual observing time was 347 hours
The VLBA was scheduled 78% of the time 526.0 hours of a possible
672 hours
Astronomical Observations = 52% (349.0 hours)
Tests and Calibrations = 13% (87.0 hours)
Maintenance = 13% (90.0 hours)
Total Number of astronomical programs was 25

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BA036	Augusto, P. Browne, I. Wilkinson, P.	Madeira Jodrell Bank Jodrell Bank	B2114+022, a gravitational lensing candidate		18 with Y1	3	12.0
BB104	Bignall, H. Tingay, S. Tzioumis, A.	Adelaide JPL ATNF	VLBA Monitoring of SAX X-ray AGN		13,4,1	15	7.0
BB117	Beasley, A.J. Herrnstein, J.R.	NRAO-CV Renaissance Tech	Monitoring of WR 140		2, 3.6, 6 with Y1	10	12.0
BD062	Diamond, P.J. Kemball, A.J.	Jodrell Bank NRAO-Socorro	TX Cam: the sequel		0.7 With Y1	15	8.0
BG094	Giovannini, G. Cotton, W.D. Feretti, L. Lara, L. Taylor, G. Venturi, T.	IRA NRAO-CV IRA IAA NRAO-Socorro IRA	VLBI Obs. of unbiased sample of radio galaxies: II-VLBA Obs. of 24 sources		6	22	24.0
BH042	Herrnstein, J.R. Moran, J.M. Greenhill, L.J.	Renaissance Tech CfA CfA	Are quasars being ejected from the Nucleus of NGC 4258?		18 With Y27	9	10.0
BH056	Ho, P.T.P. Anglada, G. Curiel, S. Gomez, J.F. Patel, N. Rodriguez, L.F. Torrelles, J.M.	SAO IAA UNAM LAEFF SAO UNAM IAA	Proper motion studies of circumstellar water masers in NGC 2071 and W75N		2	3	6.0
BJ032	Johnston, K. Fey, A. Gaume, R. Clark, T. Ma, C. Eubanks, M. Kingham, K. Boboltz, D. Vandenberg, N. Himwich, E. Shaffer, D. Gordon, D. Fomalont, E. Walker, C.	USNO USNO USNO NASA-GFSC NASA-GSFC USNO USNO USNO NVI-GSFC NVI-GSFC Radiometrics Hughes-GSFC NRAO-CV NRAO-Socorro	VLBA Geodesy/Astrometry Observations for 2000		3.6 Scheduled as RDV19	31	10.5
BK068	Kellermann, K. Cohen, M. Vermeulen, R. Zensus, A.	NRAO-CV Caltech NFRA MPIfR	Kinematics of quasars and AGN		2	11	24.0
BK073	Kellermann, K. Biretta, J. Owen, F. Junor, B.	NRAO-CV STScI NRAO-Socorro New Mexico	Kinematics of parsec and subparsec structure of M87 jet		2 With Y1	22	11.0
BL077	Lister, M.L. Piner, B.G. Preston, R.A. Tingay, S.J.	JPL JPL JPL JPL	Pearson-Readhead Survey at 43 GHz		7	5	12.0
BM110	Mutel, R.L. Denn, G.R.	Iowa Iowa	Monitoring BL Lac		0.7, 1.3, 2	5	14.0
BM112	Moran, J.M. Bragg, A. Diamond, P.J. Greenhill, L.J. Henkel, C. Herrnstein, J.R. Trotter, A.S.	CfA CfA Jodrell Bank CfA MPIfR Renaissance Tech CfA	Next generation study of NGC 4258 accretion disk physics from measurment of month-to-month variations		1	7,30	24.0
BM116	Marscher, A.P. Cawthorne, T.V. Gear, W.K. Stevens, J.A. Marchenko, S.G. Lister, M.L. Gabuzda, D.C. Yurchenko, A.V. Forster, J.R.	Boston Lancashire Cardiff MRAO Boston JPL JIVE St. Petersburg Calif.-Berkeley	Monitoring mm-bright AGN		0.7	24	24.0
BP053	Polatidis, A.G. Conway, J.E. Murphy, D.W.	JIVE-Onsala Onsala JPL	Continued coordinated monitoring of 1928+738		0.7, 2	2	10.0

Progm	Observer	Affiliation	Program Title	Stns	Bands cm	Observing Date	Sched Hours
BP056	Piner, B.G. Jones, D.L.	JPL JPL	15 GHz observations of the compact radio-intermediate quasar PG 2209+184		2	14	4.0
BP057	Piner, B.G. Edwards, P.G.	JPL ISAS	Multi-epoch observations of the TeV source 1ES 2344+514		2	7	8.0
BP061	Phillips, R.B. Boboltz, D.A.	Haystack USNO	Monitoring of 43 GHz SiO maser emission towards MIRA		0.7	12	8.0
BR057	Roberts, D.H. Moellenbrock, G.A. Wardle, J.F.C. Gabuzda, D.C. Brown, L.F.	Brandeis NRAO-GB Brandeis JIVE Connecticut	Four 3C quasars with VSOP observations		0.7, 1.3, 2, 3.6	14	12.0
BS073	Stanghellini, C. Dallacasa, D. Xiang, L. Bondi, M.	Noto Bologna Urumqi Bologna	Motion in the radio source OQ208		2, 3.6	29	6.0
BS074	Sarma, A.P. Romney, J.D. Troland, T.H.	Kentucky NRAO-Socorro Kentucky	VLBA Zeeman measurement of the magnetic field in 22 GHz H2O masers in W3(2)		1	9	6.0
BT038	Tingay, S.J. Jauncey, D.L. Jones, D.L. Meier, D.L. Murphy, D.W. Preston, R.A. Reynolds, J.E. Tzioumis, A.K.	JPL ATNF JPL JPL JPL JPL ATNT ATNF	continued 8.4 GHz monitoring of Centaurus A, the closest active radio galaxy		4	15	7.0
BT044	Taylor, G. Beasley, T. Frail, D. Kulkarni, S.	NRAO-Socorro NRAO-CV NRAO-Socorro Caltech	VLBA observations of Gamma Ray Bursters		3.6	4	10.0
BT048	Taylor, G.	NRAO-Socorro	Imaging extreme Faraday rotation measures in quasar cores		0.7, 1.3, 2	27	9.0
BT049	Tarchi, A. Neininger, N. Greve, A.	RAIUB RAIUB IRAM	Nature of the central radio source of NGC 2146		20	31	6.0
BU013	Ulvestad, J. Falcke, H. Krichbaum, T. Roy, A. Wilson, A. Wrobel, J. Zensus, A.	NRAO-Socorro MPIfR MPIfR MPIfR Maryland NRAO-Socorro MPIfR	Component motions in two Seyfert galaxies		4,2,1	1,8	21.0
BU016	Ulvestad, J. Antonucci, R. Barvainis, R.	NRAO-Socorro UCSB Wootton Institute	Disks, jets, and thermal material in radio-quiet quasars		20,13,6	21	12.0
BV033	Vlemmings, W. Baudry, A. Diamond, P.J. Habing, H.J. Schilizzi, R. van Langevelde, H.	Leiden Bordeaux Jodrell Bank Leiden JIVE JIVE	Phase Referencing of nearby OH masering stars		20	20	12.0
BW043	Walker, R.C. Kellermann, K.I. Romney, J.D. Vermeulen, R.C. Alef, W. Benson, J.M.	NRAO-Socorro NRAO-CV NRAO-Socorro NFRA MPIfR NRAO-Socorro	Changes in the 3C84 accretion region		1.3, 2, 3.6, 6 With EB, Y1	25, 27, 28	48.0
BY011	Yakimov, V.E. Gabuzda, D. Vetukhnovskaya, Y.N	ASC JIVE ASC	5 and 15 GHz polarization observations of gamma ray sources		6,2	16	24.0
	Staff	NRAO	Maintenance				173.0

The average downtime was 14.0 hours (3.6%)
Actual observing time was 370.0 hours
The VLBA was scheduled 80% of the time 575.0 hours of a possible 720 hours

- Astronomical Observations = 55% (394.0 hours)
- Tests and Calibrations = 14% (101.0 hours)
- Maintenance = 11% (80.0 hours)

Total Number of astronomical programs was 30

July-September 2000 VLBA Utilization Report
(3rd Quarter)

Number of hours of observing possible = 2160 hrs.

Number of hours of Astronomical Observations	=	1062 hrs.	=	49.3%
Number of hours of Tests/Calibrations	=	328 hrs.	=	15.0%
Number of hours of Maintenance	=	264 hrs.	=	12.2%
Totals	=	1654 hrs.	=	76.5%

Dowtime = 46.1 hrs = 4.3%

Actual Observing = 1062-46.1 hrs = 1015.9 hrs

Subject: 2nd Quarter year 2000 VLBA Utilization
Date: Fri, 30 Jun 2000 14:13:17 -0600 (MDT)
From: Peggy Perley <pperley@aoc.nrao.edu>
To: lappel@cv3.cv.nrao.edu

Lori,

Here it is:

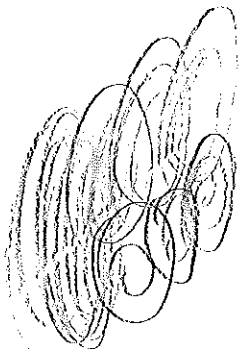
VLBA Utilization report - 2nd Quarter 2000 (April, May, June)

Number of hours possible = 2184.0 hours

#hours of astronomical observations	= 1413.5 hours	=	64.7%
#hours of tests/calibrations	= 221.0 hours	=	10.1%
#hours of maintenance	= 216.0 hours	=	9.9%
	1850.5 hours	=	84.7%

downtime = 60 hours = 4.2%

actual observing = 1413.5 - 60 = 1353.5 hours



Subject: 1st q. 2000 (VLBA)
Date: Mon, 3 Apr 2000 14:31:29 -0600 (MDT)
From: Peggy Perley <pperley@aoc.nrao.edu>
To: lappel@cv3.cv.nrao.edu

1st Quarter 2000 - VLBA Utilization

hours of observing possible = 2136 hours

#hours of astronomical observations	=	1173 hours	= 55%
#hours of test/calibrations	=	272 hours	= 13%
#hours of maintenance	=	240 hours	= 11%
totals	=	1685 hours	= 79%

dowtime = 38 hours = 3%

actual observing = 1173 - 38 = 1135 hours