

VLA Utilization Report December 2007

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AB1230	Braatz, J. Condon, J. Greenhill, L. Henkel, C. Lo, K.Y. Reid, M.	NRAO NRAO Cfa MPIFR NRAO Cfa	Megamaser Cosmology Project	1.3	16	0.47
AB1236	Bartkiewicz, A. Brunthaler, A. Pihlstrom, Y. Szymczak, M. van Langevelde, H.	Copernicus MPIFR UNM Torun JIVE	Verifying the radio continuum counterpart at origin of methanol ring	1.3	9,15,24	2.42
AB1263	Branchesi, M. Cioia, I. Fanti, C. Fanti, R. Perley, R.	INAF INAF INAF INAF NRAO	Spectral-line mode observation of an X-ray selected cluster of galaxies	20	15	2.87
AC871	Cheung, T. Siemiginowska, A.	NRAO-Stanford Cfa	A Powerful AGN Outburst in a z=1 X-ray Cluster Source	6, 20	5	5.57
AC887	Cohen, A. Clarke, T. Kassim, N.	NRL NRL NRL	Investigating an Unidentified Extended Ultra-Steep Spectrum Object	90 line	30	2.02
AF440	Fish, V. Briskin, W. Sjouerman, L.	NRAO NRAO NRAO	Where did it go?	20	2	1.39
AF465	Forbrich, J. Lada, C. Reid, M.	Cfa Cfa Cfa	Searching for H2O masers in Pipe Nebula for subsequent distance measurement	1.3	13	1.37
AG754	Goodger, J. Hardcastle, M. Croston, J. Kraft, R. Worrall, D.	Hertfordshire Hertfordshire Hertfordshire Cfa Bristol	Monitoring and Multi-frequency Observations of Centaurus A's Jet	2	21	3.37
AG761	Govoni, F. Feretti, L. Giovannini, G. Taylor, G.B. Pihlstrom, Y. Gentile, G. Murgia, M. Orru', E. Allen, S. Ebeling, H.	IRA-Bologna Bologna Bologna UNM UNM Unew Mexico Bologna INAF Stanford Hawaii	Magnetic field power spectrum in the distant galaxy cluster MACS J0717.5+3745	6, 20	16, 23	7.72
AG762	Gawronski, M.	Torun	Search for new HYMORS	6	2	2.66
AG776	Goddi, C. Greenhill, L.J. Humphreys, L. Chandler, C. Matthews, L.D.	Cfa Cfa Cfa NRAO-Socorro Cfa	Mapping a new redshifted line wing of SiO in Orion BN/KL	0.7 line	8	6.57
AG783	Gomez, J.-F. Suarez, O.	IAA Madrid	Confirmation of bipolarity in the "water fountain" IRAS 16552-3050	1.3	24	0.95

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AH884	Hoare, M.G. Lumsden, S. Oudmaijer, R. Urquhart, J. Diamond, P.J. Garrington, S. Muxlow, T. Smethurst, S. Gunn, A.G. Spencer, R. Zijlstra, A. Richards, A.M.S. Cotton, W.D. Chandler, C. Shepherd, D. Churchwell, E. Kurtz, S. Mundy, L. Goldsmith, P. Pandian, J. Jackson, J. Shah, R.Y. Moore, T. Dougherty, S. Gledhill, T.M. Fender, R.P. Paredes, J.M. Marti, J.	Leeds Leeds Leeds Leeds Jodrell Bank Jodrell Bank Jodrell Bank Manchester Jodrell Bank Jodrell Bank Manchester Jodrell Bank NRAO-CV NRAO-Socorro NRAO-Socorro Wisconsin UNAM Maryland JPL MPIfR Boston Univ. U. Virginia John Moores NRC Hertfordshire Southampton Barcelona U. Jaen	The CORNISH survey	6	...	75.17
AH927	Hunter, D. Elmegreen, B. Simpson, C. Walter, F. Brinks, E. Young, L. Westpfahl, D. Rupen, M.	Lowell Obs. IBM Florida Int. MPIA Hertfordshire NMIMT NMIMT NRAO-Socorro	The LITTLE THINGS Survey	20 line LARGE	19, 22, 24	11.68
AH938	Hardcastle, M. Jester, S.	Hertfordshire MPIA	The nature of X-ray jets in powerful core-dominated quasars	2, 6	16, 19	21.96
AH942	Hofstadter, M. Butler, B. Gurwell, M. Orton, G. Hammel, H. Hesman, B.	JPL NRAO-Socorro CfA JPL SSI NASA-GSFC	Continued Observations of Uranus and Neptune	1.3	1	3.0
AJ343	Jackson, N. Alba, A.B. Browne, I. Fassnacht, C. Koopmans, L. Sakai, S.	Manchester JIVE Manchester Calif., Davis Kapteyn Manchester	VLA-WMD lens time delay survey	6	12,23	1.43
AK583	Kulkarni, S. Cenko, S. Fox, d. Frail, D. Gal-Yam, A. Harrison, F. Moon, D-S. Soderberg, A.M.	Caltech Caltech Caltech NRAO Caltech Caltech Caltech Caltech	Cosmic explosions		9	0.96
AK678	Knapik, J. Chyzy, K.T. Soida, M. Beck, R. Urbanik, M. Vollmer, B. Kronberg, P.	Jagiellonian Jagiellonian Jagiellonian MPIfR Jagiellonian Strasbourg Los Alamos	The magnetic field in Virgo from Faraday rotation of background sources	3.6, 6	31	6.14
AK679	Koending, E. Dhawan, V. Fender, R. Knigge, C. Rupen, M.	Southampton NRAO Southampton Southampton NRAO	Transient radio emission from cataclysmic variables	3.6, 6	1,8,9	3.01

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AK681	Kulkarni, S. Cenko, B. Chandra, P. Fox, D. Frail, D. Harrison, F. Kasliwal, M.	Caltech Caltech Virginia Pennsylvania NRAO Caltech Caltech	GRBs: Engines, energetics (and Enigmas)	3.6	14,16	2.01
AL693	Laing, R. Bridle, A.	ESO-Garching NRAO-CV	Kinematics and dynamics of the relativistic jets in 3C 270 and NGC 193	6, 20	16	3.69
AL707	Liszt, H. Lucas, R. Pety, J.	NRAO IRAM IRAM	Limits of chemical complexity in diffuse clouds: seeking HC3N and HC5N	1.3, 0.7	15,17	11.28
AL711	Lang, C. Corbel, S. Kaaret, P.	Univ. Iowa CEA-Saclay Iowa	Radio Nebulae Associated with Ultra luminous X-ray Sources	6	5, 7	7.22
AL713	Lin, Y-T. Quintana, H. Vikhlinin, A.	Princeton Chile CfA	Evolution of radio galaxies in clusters detected by ROSAT 400d Survey	20	27,30	13.08
AM901	Monnier, J. Danchi, W. Greenhill, L. Tuthill, P.	Michigan NASA CfA Sydney	Orbital period and fundamental parameters of colliding wind WR 112	3.6	9	0.96
A0215	Ott, J. Skillman, E. Dalcanton, J. Walter, F. Koribalski, B. West, A.	ATNF Minnesota Washington MPIA ATNF Calif.-Berkeley	VLA and HST: Star Formation History and ISM Feedback in Nearby Galaxies	20 line LARGE	...	113.7
AP537	Pandian, J. Menten, K. Momjian, E. Xu, Y.	MPIfR MPIfR NAIC MPIfR	Determining the SED of 6.7 GHz methanol masers	3.6, 1.3	8	1.44
AP541	Patience, J. Pihlstrom, Y. Hogg, D.	Caltech UNM Exeter	A VLA 7mm Investigation of Class I Binaries	0.7	10, 18, 26, 28	19.49
AR635	Rodriguez, L. Ho, P. Zapata, L.	UNAM CfA MPIfR	H53alpha RRL from the BN Object and the Radio Source I	0.7 line	13	7.60
AR642	Rupen, M. Dhawan, V. Mioduszewski, A.	NRAO NRAO NRAO	VLA Monitoring of X-ray binaries, transients, and related sources	3.6	27,31	16.72
AR658	Roy, S. de Bruyn, G.	NFRA ASTRON	How far does the gaseous disk of a spiral galaxy extend ?	20	15, 17	5.78
AR659	Richards, G. Becker, R. Brandt, N. Fan, X. Jester, S. Lacy, M. Strauss, M. White, R.	Drexel Calif., Davis Pennsylvania Arizona MPIfA Caltech Princeton STScI	Deep B-Array observations of SDSS Stripe 82	20	11,22	14.63
AS761	Stelzer, B. Testi, L.	Palmero INAF	Nature of centimetric radio emission in HAeBe binary systems	1.3, 6	2	3.17
AS880	Sakai, N. Sakai, T. Yamamoto, S.	Tokyo NAOJ Tokyo	Distribution of HCOOCH3 in NGC2254	0.7	22	0.46
AS887	Soderberg, A. Chevalier, R. Frail, D. Kulkarni, S.	Caltech Virginia NRAO Caltech	Toward an understanding of progenitors of Type Ibc SN	3.6	21,23	6.05
AS921	Sokoloski, J. Mioduszewski, A. Mukai, J. Rupen, M.	Columbia NRAO NASA NRAO	Multi-wavelength monitoring of CH Cygni	6, 20	13,27	1.41
AS935	Soderberg, A. Nelemans, G. Roelofs, G. Voss, R.	Princeton Radoubd CfA MPIA	Direct detection of SN Ia Progenitor and search for shock accelerated CSM	3.6, 20	7	1.91
AT345	Turner, J. Beck, S.	Calif.-Los Angeles Tel Aviv University	Compact Radio Sources in High-Excitation Starburst Galaxies	1.3	3, 9, 11	19.93

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AT363	Tarchi, A. Braatz, J. Brunthaler, A. Castangia, P. Henkel, C. Menten, K.	INA, Italy NRAO MPIfR MPIfR MPIfR MPIfR	Continuum emission and water maser line monitoring in megamaser balaxy	1.3	14	0.93
AV297	van der Werf, P. Goss, M. O'Dell, C.R.	Leiden NRAO-Socorro Vanderbilt	The nature of the Jupiter-mass blueshifted HI cloudlets associated with Orion A	20 line	2	4.58
AW728	Wang, R. Bertoldi, F. Carilli, C. Cox, P. Menten, K. Wagg, J. Walter, F.	NRAO Bonn NRAO IRAM MPIfR NRAO MPIFA	Radio continuum of optically faint quasars at z>6	20	12,17	5.47
AY184	Arendt, R. Hewitt, J. Roberts, D. Yusef-Zadeh, F.	GSFC Northwestern Northwestern Northwestern	Correlation of methanol masers and green sources in Nuclear disk	6, 0.7	7,15	4.71
BD130	Dougherty, S.M. Pittard, J.M. Williams, P.M. Beasley, A.J. Claussen, M.J.	NRC Leeds Edinburgh NRAO-Santiago NRAO-Socorro	Wind-collision evolution in WR140	3.6, 6, 20 Single antenna VLBI	16	12.13
BG168	Gallo, E. Jonker, P.G. Miller-Jones, J. Fender, R.P. Maccarone, T.J.	Calif.-Santa Barbara CfA Amsterdam Southampton Southampton	Structure of two quiescent black hole X-ray binaries	3.6 Phased array VLBI	2	4.27
BG170	Giovannini, G. Feretti, L. Giroletti, M. Cotton, W.D. Perez-Torres, M.A.	Bologna Bologna Bologna NRAO-CV IAA	Jet and Counter-Jet emission in NGC 315	... Phased array VLBI	2	5.67
S90198	Stelzer, B. Testi, L. Schmitt, J. Scholz, A.	Palermo Arcetri Hamburg Univ. St. Andrews	The coronae of ultracool dwarfs: Simultaneous X-ray and radio monitoring	3.6	20	8.23
S90488	Berger, E. Basri, G. Fleming, T. Gelino, C. Giampapa, M. Gizis, J. Johns-Krull, C. Liebert, J. Martin, E. Phan-Bao, N. Rutledge, R.	Carnegie Obs. Calif., Berkeley Steward Obs. Caltech NOAO Delaware Rice University Steward Obs. Univ. Central Florid Univ. Central Florid McGill	The Full Picture of Magnetic Activity in Ultracool Dwarfs: Simultaneous Observat	3.6, 6	29	7.98
DYNAMI			Dynamic scheduling			158.6
	Staff	NRAO	Baselines, Pointing, Delays Maintenance Software Polarization Calibrator Monitoring Christmas and New Years Shutdowns			37.0 62.0 39.5 11.5 41.0
					24, 25, 31	

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	Actual Hours	Percentage
Astronomy	453.12	67.84
Maintenance	62.00	9.28
Test/Calc	118.34	17.72
Shutdown	34.50	5.16
Total	667.96	100.00

Average downtime measured in antenna hours was 8.28% of scheduled antenna hours, distributed as:

System	Percentage
Cryogenics	1.88
Electrical	0.25
EVLA	41.19
EVLA Computers	0.40
FOC/ROT	4.72
Front End	1.50
Interference	7.78
LO/IF	4.42
Monitor/Control	1.43
Other	1.64
Power Supply	0.62
Servo	9.30
Site Power	0.19
VLA Correlator	0.11
Weather	24.57

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AA315	Aguirre, J. Mason, B.S. Spekkens, K.	NRAO NRAO-GB Rutgers/NRAO	Searching for Dark Matter Annihilations in Draco	20 line	4	6.71
AA316	Araya, E. Goss, M. Hofner, P.	NMIMT NRAO-Socorro NMIMT	Simultaneous flaring of CH3OH and H2CO masers around a massive protostar	6	2	1.40
AB1230	Braatz, J. Condon, J. Greenhill, L. Henkel, C. Lo, K.Y. Reid, M.	NRAO NRAO NRAO MPIFR NRAO CFA	Megamaser cosmology project	1.3	6	0.94
AB1274	Busquet, G. Estalella, R. Estalella, R. Ho, P. Ho, P. Palau, A. Palau, A. Sanchez-Monge, A. Sanchez-Monge, A. Sridharan, T.K. Sridharan, T. Zhang, Q. Zhang, Q.	Barcelona Barcelona Barcelona CFA CFA Barcelona Barcelona Barcelona Barcelona CFA CFA CFA CFA	Toward an evolutionary sequence for high-mass protostars	1.3	5	0.97
AC842	Cannon, J.M. Dolphin, A. Kennicutt, R. Lee, J. Skillman, E. Walter, F. Weisz, D.	MacAlester Arizona Cambridge Arizona Minnesota MPIA Minnesota	Multiwavelength Observations of the Post-Starburst Dwarf Galaxy DDO 165	20	9	7.67
AC881	Chandra, P. Chevalier, R. Chugai, N. Fransson, C. Soderberg, A.	Virginia Virginia Moscow Stockholm Caltech	Exploring IIn SN within 150 Mpc with the VLA	3.6	12,15,21,26	5.57
AC888	Claussen, M. Bond, H. Healy, K. Starrfield, S.	NRAO STScI ASU ASU	Continuing monitoring of the SiO masers in V838 Monocerotis	0.7	5	1.40
AC897	Chambers, E. Finn, S. Jackson, J. Rathborne, J. Simon, R. Stojimirovic, I. Zhang, Q.	Boston Boston Boston Boston Koln Boston CFA	High resolution imaging of water masers in infrared dark clouds	1.3	2,5,9,10,11	9.62
AC901	Chandra, P.	Virginia	VLA Monitoring of GRB 070125: A "Golden Burst"	1.3, 3.6, 6, 20	18	3.77
AC904	Cyanowski, C. Brogan, C. Churchwell, E. Hunter, T.	Wisconsin NRAO Wisconsin NRAO	New approach to identifying high mass protostellar objects	0.7	1	2.91
AC906	Cohen, A. Clarke, T.	NRL NRL	New cluster radio halo/relic candidates from the VLSS	90	6,8,19	6.27
AG762	Gawronski, M.	Copernicus	Search for new HYMORS	6	15	2.23
AH942	Hofstadter, M. Butler, B. Gurwell, M. Hammel, H. Hesman, B. Orton, G.	JPL NRAO CFA SSI NRAO JPL	Continued Obs. of Uranus and Neptune	6	11	3.99
AJ343	Jackson, J. Alba, A. Browne, I. Fassnacht, C. Koopmans, L. Sakai, S.	Manchester Groningen Manchester Calif., Davis Kapteyn Manchester	VLA-WMD lens time delay survey	6	1,8,15	1.26
AK679	Koerding, E. Dhawan, V. Fender, R. Knigge, C. Rupen, M.	Southampton NRAO Southampton Southampton NRAO	Transient radio emission from cataclysmic variables	3.6, 6	17,18,21,22, 24,25,29,30	12.26

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AK681	Kulkarni, S. Cenko, B. Chandra, P. Fox, D. Frail, D. Frail, D. Harrison, F. Kasliwal, M.	Caltech Caltech Virginia Pennsylvania NRAO NRAO Caltech Caltech	GRBs: Engines, Energetcis and Enigmas	3.6	5,7,9,11,13, 16,24	7.13
AL693	Laing, R. Bridle, A.	ESO-Garching NRAO-CV	Kinematics and dynamics of the relativistic jets in 3C 270 and NGC 193	6, 20	4, 5, 15	21.27
AL713	Lin, Y-T. Quintana, H. Vikhlinin, A.	Princeton Chile Cfa	Evolution of radio galaxies in clusters detected by the ROSAT 400d Survey	20	7	2.49
AL715	Lazio, J. Boboltz, D. Shankland, P. Blank, D. Filipovic, M.	NRL USNO USNO James Cook Univ. Western Australia	Radio Emission from the Planetary Companion of HD 80606 at Periastron?	20, 90 line	19, 19	13.92
AL716	Loinard, L. Christophe, M.	UNAM UNAM	Expansion parallax distance determination to IC418	6	6	0.48
A0215	Ott, J. Skillman, E. Dalcanton, J. Walter, F. Koribalski, B. West, A.	ATNF Minnesota Washington MPIA ATNF Calif.-Berkeley	VLA and HST: Star Formation History and ISM Feedback in Nearby Galaxies	20 line LARGE	...	132.4
AP536	Paladino, R. Murgia, M.	Cagliari Bologna	Multifrequency spectral analysis of spiral galaxies	90 line	2	4.66
AQ017	Qiu, K. Zhang, Q.	Cfa Cfa	Resolving an ionized jet in a $10^5 L_{\text{sun}}$ Outflow-disk system in IARS 18360-053	3.6	12	0.44
AR642	Rupen, M. Dhawan, V. Mioduszewski, A.	NRAO NRAO NRAO	VLA Monitoring of X-ray binaries, transients, and related sources	3.6,6	11,12,17,18, 19,21,25,26, 30	18.11
AR658	Roy, Subhashis deBruyn, G.	NFRA NFRA	How far does the gaseous disk of a spiral galaxy extend?	20	30	5.76
AR659	Richards, G. Becker, R. Brandt, N. Fan, X. Jester, S. Lacy, M. Strauss, M. White, R.	Drexel Calif., Davis Pennsylvania ASU MPIFA Caltech Princeton STScI	Deep B-array observations of SDSS Stripe 82	20	1,24,26	11.48
AS660	Sjouwerman, L. Lindqvist, M. vanLagnevelde, H.	JIVE Onsala JIVE	Cloud collision in M-0.13-0.08	1.3	12	0.88
AS761	Sjouwerman, L. Dickel, J. Dyer, K. Johnson, K. Kong, A. Williams, B.	NRAO Illinois NRAO Madison Smithsonian Smithsonian	High resolution polarization measurements of center of M31	6	26	2.46
AS858	Sjouwerman, L. Claussen, M.	NRAO NRAO	Double-double circumstellar 1612 MHz OH masers	18	30	1.43
AS887	Soderberg, A. Chevalier, R. Frail, D. Kulkarni, S.	Caltech UVA NRAO Caltech	Toward an understanding of the progenitors of Type Ibc SN	3.6	15,17,17	3.05
AS921	Sokoloski, J. Mioduszewski, A. Mukai, K. Rupen, M.	Columbia NRAO NASA NRAO	Multi-wavelength monitoring of CH Cygni	2, 3.6, 20	11,12,25	1.83
AT352	Testi, L.	ESO	Setting the stage for planet formation: dust grains in ρ Tau and MWC480	1.3, 3.6	3, 7, 11	14.95
AV297	van der Werf, P. Goss, M. O'Dell, C.R.	Leiden NRAO-Socorro Vanderbilt	The nature of the Jupiter-mass blueshifted HI cloudlets associated with Orion A	20 line	14, 16, 23	13.96
AW717	Wucknitz, O. Garrett, M.A.	JIVE NFRA	VLA observations of two bright gravitationally lensed star-burst galaxies	6, 20 line	26	7.23

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AW728	Wang, R. Bertoldi, F. Carilli, C. Cox, P. Menten, K. Omont, A. Wagg, J. Walter, F.	NRAO Bonn NRAO IRAM MPIFR IAP NRAO MPIFA	Radio continuum of optically faint quasars at $z > 6$	20	20	2.88
BB251	Berger, E. Rupen, M.	Carnegie NRAO	Astrometric search for close companions to radio active M and L dwarfs	3.6	19	0.98
BD130	Dougherty, S. Beasley, A. Claussen, M. Pittard, J. Williams, P.	NRC ALMA NRAO Leeds Ifa	Wind-collision evolution in WR140	6	20	2.15
BG182	Gomez, J.L. Agudo, I. Jorstad, S. Marscher, A. Marti, J. Perucho, M. Roca-Sogorb, M.	IAA, Spain IAA Boston Boston Valencia MPIFR IAA	Multi-scale polarimetric study of the jet in radio galaxy 3C120	3.6	19	2.38
GB062	Bartel, N. Bietenholz, M.F. Rupen, M.P. Beasley, A.J. Graham, D.A. Venturi, T. Umana, G. Cannon, W. Conway, J.E.	York U. York U. NRAO-Socorro NRAO-Santiago MPIFR Bologna Noto York U. Onsala	SN1993J: structural and spectral evolution at 6 and 18 cm	6, 20 Phased array VLBI	3	21.88
S80398	Sanders, J. Young, A. Fabian, A. Morris, G. Allen, S. Taylor, G.B. Dunn, R.	Cambridge Minnesota Cambridge Stanford Stanford UNM Southampton	The cluster core of Abell 2204: AGN interaction and cold fronts	20	25	1.78
S80597	Lubin, L. Gal, R. Squires, G. Mulchaey, J. Fassnacht, C. McKean, J.P.	Calif.-Davis Univ. of California IPAC/Caltech Carnegie Obs. Calif.-Davis MPIFR	The Active Galaxy Population in a Complex, Four-Way Merger at $z = 0.84$	20	5, 6, 8, 9	30.80
S80916	Nowak, N. Houck, J. Markoff, S. Canizares, C. Reynolds, C. Chiang, J. Greenhill, L.J. Young, A. Wilms, J.	MIT MIT MIT MIT JIVE Stanford CfA Minnesota Warwick	The Definitive Chandra Observations of NGC 4258	0.7, 1.3	2, 3, 4, 6	8.34
S90212	Marscher, A. Jorstad, S.	Boston Boston	Velocity Gradients in the Jets of BL Lac Objects	2,6	8, 24	3.09
DYNAMI			Dynamic scheduling			140.7
	Staff	NRAO	Baselines, Pointing, Delays Maintenance Polarization Calibrator Monitoring Thanksgiving Shutdown Software Students		21, 22 18	43.0 71.5 146.0 26.5 60.0 3.19

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	Actual Hours	Percentage
Astronomy	413.97	62.91
Maintenance	71.50	10.87
Test/Calc	146.08	22.20
Total	658.05	100.00

Average downtime measured in antenna hours was 7.59% of scheduled antenna hours, distributed as:

System	Percentage
Cryogenics	1.02
Electrical	0.35
EVLA	49.31
EVLA Computers	7.12
FOC/ROT	7.67
Front End	2.40
Interference	2.38
LO/IF	6.55
Mechanical	0.10
Monitor/Control	0.17
Obs. Program	5.46
Other	3.93
Power Supply	0.26
Servo	13.15
Site Power	0.11

No report for

Oct 2007 -

only the single
summary sheet

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	Actual Hours	Percentage
Astronomy	415.04	65.16
Maintenance	62.00	9.73
Test/Calc	159.96	25.11
Total	637.00	100.00

Average downtime measured in antenna hours was 7.30% of scheduled antenna hours, distributed as:

System	Percentage
Antenna Pads	0.39
Cryogenics	1.37
Electrical	0.01
EVLA	44.85
EVLA Computers	3.80
FOC/ROT	2.54
Front End	6.55
HVAC	0.40
Interference	12.56
LO/IF	4.07
Mechanical	0.96
Monitor/Control	12.77
Obs. Program	0.82
Other	1.05
Servo	1.71
Site Power	0.25
VLA Correlator	0.02
Waveguide	0.49
Weather	3.45
Wye Monitor	1.94

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AA314	Araya, E. Hofner, P.	NMIMT NRAO	Relation between the H2CO 6cm and CH3OH 6.7 GHz maser flares in IRAS 18566+0408	6	3,4	.80
AB1233	Bietenholz, M.F. Bartel, N. Rupen, M.	York U. York U. NRAO-Socorro	The Spectral Evolution of a young Pulsar Nebula/Black Hole in SN 1986J	0.7, 90	1, 5	6.48
AB1245	Berger, E. Knapp, G. Lee, K-G.	Carnegie Princeton Princeton	Mapping out magnetic and coronal properties of fully-convective M Dwarfs	3.6	15	0.94
AB1255	Bietenholz, M. Bartel, N.	York York	Spectral evolution of SN 1993J	90	20,22	5.44
AB1257	Baker, A. Owen, F. Morrison, G.	Rutgers NRAO-Socorro Hawaii-CFHT	Free-Free Absorption in the "Taffy" Galaxy Mergers?	90	4, 7	6.79
AB1258	Brunthaler, A. Claussen, M. Menten, K. Reid, M. Rygl, K. Xu, Y.	MPIfR NRAO MPIfR CfA MPIfR MPIfR	Accurate positions of galactic methanol masers	6	21,27	3.69
AB1264	Bournaud, F. Duc, P.A. Koribalski, B. Boquien, M. Lisenfeld, U. Weilbacher, P. Revaz, Y. Amram, P. Brinks, E.	Paris Saclay ATNF CEA-Saclay IAA Potsdam Paris Marseille Hertfordshire	Probing dark matter in the tidal tails of NGC7252	20 line	28, 29, 30	9.73
AB1275	Bietenholz, M. Bartel, N.	York York	Extreme mass loss or extreme progenitor mass?	3.6, 0.7	21	2.99
AB1278	Cesaroni, R. Beltran, M. Codella, C. Moscadelli, L.	Astrofisica Barcelona Astrofisica Astrofisica	Hyperyoung HII region G24.78+0.08 A1	6	14	0.43
AB1280	Busch, M.	Caltech	Request for additional observations	20	16	0.65
AC856	Claussen, M. Fish, V. Pihlstrom, Y. Sjouerman, L. Zschaechner, L.	NRAO NRAO UNM NRAO Montana	Excited state OH emission from Mira variable AU geminorum	6,20	7	3.81
AC877	Clarke, T. Boehringer, H. Kempner, J. Sarazin, C.	NRL MPE Bowdoin Virginia	X-ray cavities in a cluster merger?	20	10	2.85
AC878	Carilli, C. Walter, F. Menten, K. Wagg, J. Wang, R. Bertoldi, F. Yun, M. Riechers, D.	NRAO-Socorro MPIA MPIfR NRAO-Socorro NRAO-Socorro Bonn Univ. Massachusetts MPIA	A search for free-free emission from submm-loud QSOs at z>4	3.6, 6, 20	1, 7	8.56
AC879	Chambers, E. Finn, S. Jackson, J. Simon, R. Zhang, Q. Rathborne, J. Stojimirovic, I.	Boston University Boston Boston Univ. Univ. Cologne CfA CfA Boston	High Resolution Imaging of Water Masers in Infrared Dark Cloud Cores	1.3 line	2	6.18
AC882	Cohen, A. Clarke, T.	NRL NRL	A Candidate Cluster Radio Relic in Abell 2443	90, 400 line	1	5.98
AC887	Cohen, A. Clarke, T. Kassim, N.	NRL NRL NRL	Investigating an unidentified extended ultra-steep spectrum object	90,400	13	5.07
AC888	Claussen, M. Bond, H. Healy, K. Starrfield, S.	NRAO STSci ASU ASU	Continuing monitoring of the SiO masers in V838 Monocerotis	0.7	21	1.37
AC906	Cohen, A.S. Clarke, T.E.	NRL NRL	New Cluster Radio Halo/Relic Candidates from the VLSS	90 line	23	1.66
AC910	Creel, B. Claussen, M. Pihlstrom, Y.	UNM NRAO UNM	Affirming OH and H2O maser emission in water fountain pre-planetary nebulae	1.3, 20	16	0.75

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AC911	Chandra, P. Chevalier, R. Chugai, N. Soderberg, A.	Virginia Virginia Moscow Caltech	Follow up of VLA detected X-ray bright Type IIn SN 2005kd	1.3, 6	9,10,20	4.69
AD562	Dwarakanath, K. Kale, R.	Raman Inst. Raman	Nature of ultra steep spectrum sources in the 74 MHz VLA Survey	90	9	7.64
AD563	Dougherty, S. Clark, S.	NRC Univ. College-London	Westerlund 9 - an LBV in Giant Eruption?	3.6, 6, 20	27	1.46
AF440	Fish, V. Briskin, W. Sjouwerman, L.	NRAO NRAO NRAO	Where did it go? Incredible disappearing maser	20	4,6	3.15
AF454	Fontani, F. Brand, J. Cesaroni, R.	IRA IRA-Bologna Arcetri	Searching for infall in molecular clumps around high-mass young stellar objects	1.3 line	1, 6, 7, 9	18.21
AG753	Gelfand, Y. Eichler, D. Gaensler, B. Granot, J. Kouvelioutou, C. Ramirez-Ruiz, E. Taylor, G.	Cfa Ben Gurion Cfa Stanford NASA Calif., Santa Cruz UNM	Imaging and monitoring the radio afterglow of SGR 1806-20	3.6, 6, 20	16	1.92
AG756	Gallo, E. Axon, D. Capetti, A. Rupen, M. Treu, T. Woo, J-H.	Calif., Santa Barbar Rochester Torino NRAO Calif., Santa Barbar Calif., Santa Barbar	Imaging the nuclei of dwarf spheroidals in the Virgo cluster	3.6	1,2,3	5.46
AG777	Wrobel, J. Greene, J. Ho, L.	NRAO Princeton Carnegie	Radio emission from 10 intermediate mass black holes	20	21,22	1.50
AH884	Hoare, M.G. Lumsden, S. Oudmajer, R. Urquhart, J. Diamond, P.J. Garrington, S. Muxlow, T. Smethurst, S. Gunn, A.G. Spencer, R. Zijlstra, A. Richards, A.M.S. Cotton, W.D. Chandler, C. Shepherd, D. Churchwell, E. Kurtz, S. Mundy, L. Goldsmith, P. Pandian, J. Jackson, J. Shah, R.Y. Moore, T. Dougherty, S. Gledhill, T.M. Fender, R.P. Paredes, J.M. Marti, J.	Leeds Leeds Leeds Leeds Jodrell Bank Jodrell Bank Jodrell Bank Manchester Jodrell Bank Jodrell Bank Manchester Jodrell Bank NRAO-CV NRAO-Socorro NRAO-Socorro Wisconsin UNAM Maryland JPL Cornell Boston Univ. U. Virginia John Moores NRC Hertfordshire Southampton Barcelona U. Jaen	The CORNISH survey	6	28, 29, 30	14.70
AH942	Hofstadter, M. Butler, B. Gurwell, M. Hammel, H. Hesman, B. Orton, G.	JPL NRAO CfA SSI NASA JPL	Continued observations of Uranus and Neptune	6,2,1.3	14,16	12.08
AH955	Hallinan, G. Antonova, A. Doyle, G. Lane, C. Bourke, S. Briskin, W. Golden, A.	NUI, Galway Armagh Armagh Galway NUI NRAO-Socorro Ireland-Galway	Is the Unpolarized Emission Detected from Ultracool Dwarfs Coherent?	3.6, 6, 20	14	10.73

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AH957	Hyman, S. Kassim, N. Lazio, J. Pal, S. Ray, P. Roy, S.	Sweet Briar College NRL NRL NCRA NRL NFRA	New radio transient toward the galactic center	90	19	1.76
AI123	Impellizzeri, V. Castangia, P. Henkel, C. McKean, J. Roy, A.	MPIfR Ist. Naz. Astrofisic MPIfR MPIfR MPIfR	First detection of a water maser	6	24,28,30	12.28
AJ335	Jackson, N. Browne, I. Fassnacht, C. Koopmans, L.	Manchester Manchester Calif., Davis Groningen	VLA-Westerbork-MERLIN Delay Survey	6	13,15,19	2.69
AJ337	Johnston, K. Shepherd, D.	St. Andrews NRAO-Socorro	The affect of UCHII regions & stellar winds on ionized outflows of B protostars	3.6	11	2.30
AK664	Kurtz, S. Hofner, P.	UNAM NRAO	Class II Methanol masers in northern sources	6	7	1.81
AK681	Kulkarni, S. Cenko, B. Chandra, P. Fox, D. Frail, D. Harrison, F. Kasliwal, N.	Caltech Caltech Virginia Pennsylvania NRAO Caltech Caltech	GRBs: Engines, Energetics (and Enigmas)	3.6	28	1.00
AL695	Lin, Y-T. Partridge, R.B. Crawford, T.	Princeton Haverford Univ. Chicago	Spectral Energy Distribution of Radio Sources in 0.3<z<0.8 Clusters	3.6, 6	3, 4	2.33
AL704	Leurini, S. Zapata, L. Schilke, P. Beuther, H.	ESO MPIfR MPIfR MPIA	Searching for circumstellar disks in the high-mass-SFR IRAS 05358+3543	0.7, 1.3 line	1	7.51
AL709	Law, C. Figer, D. Davies, B.	Northwestern STScI Rochester	Constraining the Distances to Massive Galactic Star Clusters	20 line	29	4.01
AM889	Miller, N. Fomalont, E. Padovani, P. Rosati, P. Mainieri, V. Tozzi, P. Norman, C. Kellerman, K.	Johns Hopkins NRAO-CV ESO MPIE MPE, Garching INAF Johns Hopkins NRAO-CV	Deep 1.4GHz VLA Observations of the Extended Chandra Deep Field South	20 line LARGE	...	35.75
AM906	Menten, K. Reid, M. Claussen, M. Sahai, R.	MPIfR Cfa NRAO-Socorro JPL	Seeing IRC+10216 Pulsate	0.7	10	6.67
AM909	Dymond, K. Clayton, C. Datta, A. Kassim, N. Lazio, J. Myers, S. Rickard, L. Taylor, G.	NRL NRL NMINT NRL NRL NRAO George Mason UNM	Ionospheric tomography of the mid-latitude ionosphere using the VLA and cosmic	400	15,17	4.09
AM910	Macquart, J-P. Chandra, P. Frail, D. Kulkarni, S. Soderberg, A.	NRAO Virginia NRAO Caltech Caltech	Interstellar scintillation obs. of extremely bright GRB 070125	3.6,1.3,2,6,20	3,8	2.67
A0224	Osten, R. Rupen, M.	Maryland NRAO	Radio emission from the outburst of HS2331+3905	3.6	8,9,10,13	2.70
AP509	Perley, R. Lane, W. Cohen, A.S. Cotton, W.D. Condon, J.J. Lazio, J. Kassim, N.E. Erickson, W.	NRAO-Socorro NRL NRL NRAO-CV NRAO-CV NRL NRL Maryland	VLA Low-frequency Sky Survey wrap-up	400	23	8.49

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AP542	Perley, R. Lane, W. Cohen, A.S. Cotton, B. Lazio, J. Kassim, N.E. Condon, J.J. Erickson, B.	NRAO-Socorro NRL NRL NRAO-CV NRL NRL NRAO-CV Tasmania	Completion of the VLA Low-frequency Sky Survey	400 line	22	8.24
AR637	Roberts, D. Wardle, J. Bell, M.	Brandeis Brandeis Brandeis	Deep Multi-Frequency, Multi-Epoch VLA Imaging of SS433	2, 3.6, 6	17	10.42
AR638	Rupen, M.	NRAO-Socorro	The Disk/Jet Connection in Neutron Star X-ray Binaries	3.6, 6	13, 16, 18, 20, 21	20.46
AR642	Rupen, M. Dhawan, V. Mioduszewski, A.	NRAO NRAO NRAO	VLA Monitoring of X-ray binaries, transients, and related sources	3.6,6,20,1.3,0.7	28	1.92
AR659	Brandt, N. Richards, G. Becker, R. Fan, X. Jester, S. Lacy, M. Strauss, M. White, R.	Pennsylvania Drexel Calif., Davis ASU MPIFA Caltech Princeton STScI	Deep B-array obs. of SDSS Stripe 82	20	15,16,18,20,21,23,27	19.97
AS761	Sjouwerman, L. Dickel, J. Dyer, K. Kong, A. Williams, B.	NRAO Illinois UNM Smithsonian Smithsonian	High-resolution polarization measurements of the center of M31	6	18,19	4.35
AS877	Soderberg, A.	Caltech	An over-luminous type Ic at 220 Mpc	3.6	6,7,11,12,17,21,22,23,30	16.05
AS905	Sokoloski, J. Rupen, M. Mioduszewski, A. Brocksopp, C.	Columbia NRAO-Socorro NRAO-Socorro MSSL	A Three-dimensional Look at the Emerging Jet from Z Andromedae	1.3, 3.6	2	7.37
AS907	Soderberg, A.	Caltech	Unveiling the Nature of a New Class of Hybrid Supernovae	3.6	3, 5	4.51
AT343	Torstensson, K. van Langevelde, H. Hill, T. Bartkiewicz, A. Vlemmings, W. Phillips, C.	Leiden JIVE Leiden Torun Centre Manchester JIVE	Probing the environment of methanol masers	1.3	10, 11	14.01
AT345	Turner, J. Beck, S.	Calif.-Los Angeles Tel Aviv University	Compact Radio Sources in High-Excitation Starburst Galaxies	3.6, 6	3, 12	5.40
AU122	Umana, G. Buemi, C. Leto, P. Trigilio, C.	INAF INAF INAF INAF	Radio obs. as probe for mass-loss and shaping in LBVs	0.7, 3.6	28	1.00
AW703	Wall, J. Gendre, M. Brookes, M. Best, P. Rottgering, H. Dunlop, J. Peacock, J.	Univ. BC Univ. BC JPL Edinburgh Leiden Edinburgh Edinburgh	The CENSORS Bright sample: cosmic downsizing and unified models	3.6	8	6.25
AY178	Yusef-Zadeh, F. Cotton, B. Wardle, M. Roberts, D. Heinke, C.	Northwestern NRAO-CV Macquarie Northwestern Northwestern	A Polarization Study of the Flare Emission from SgrA* at 7 and 13mm	0.7, 1.3	8	6.31
AZ171	Zijlstra, A. Evans, N. Eyres, S. Hajduk, M. Herwig, F. Kimeswenger, S. van Hoof, P.	Manchester Keele Lancashire Torun Los Alamos Innsbruck Brussels	Rapid radio evolution of Sakurai's object	1.3,2,3.6	3,4	7.77
BB240	Bower, G. Bolatto, A. Ford, E. Kalas, P.	Calif., Berkeley Calif., Berkeley CfA Calif., Berkeley	RIPL	3.6	13	1.28

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Progn	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
S80576	Forman, W. Sun, M. Baum, S. O'Dea, C. Jones, C.	CfA Michigan Rochester Rochester Colorado	Interaction of AGN Outbursts with their Environments	20	3	9.70
DYNAMI			Dynamic scheduling			36.63
	Staff	NRAO	Baselines, Pointing, Delays Maintenance Polarization Calibrator Monitoring Software			34.0 89.5 12.0 55.0

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AA314	Araya, E. Hofner, P.	NMIMT NMIMT	Relation between the H2CO 6cm and CH3OH 6.7 GHz maser flares in IRAS18566+0408	6 line EXPLORE	10	4.68
AA316	Araya, E. Goss, M. Hofner, P.	NMIMT NRAO NMIMT	Simultaneous flaring of CH3OH and H2CO masers		14,24	2.22
AB1245	Berger, E. Knapp, G. Lee, K-G.	Carnegie Princeton Princeton	Mapping out magnetic and coronal properties of fully convective M dwarfs		1,3,5,6,9,13 ,17	10.45
AB1246	Beltran, M. Cesaroni, R. Codella, C. Moscadelli, L.	Barcelona Arcetri CNR-Roma Arcetri	The quest for embedded OB stars in G24.78+0.08	3.6	1	2.40
AB1250	Bartkiewicz, A. Szymczak, M. van Langevelde, H. Pihlstrom, Y. Torstensson, K. Brunthaler, A.	Torun Torun JIVE UNM Leiden MPIfR	Radio continuum counterparts at the origin of the methanol masers	3.6	18	11.50
AB1254	Busch, M. Heavens, N. Kulkarni, S. McEwan, I. Newman, C. Richardson, M.	Caltech Caltech Caltech Caltech Caltech	Radio imaging of Martian Dust Storms		25	0.96
AB1257	Baker, A. Owen, F. Morrison, G.	Rutgers NRAO-Socorro Hawaii-CFHT	Free-Free Absorption in the "Taffy" Galaxy Mergers?	90	2, 4	8.68
AB1258	Brunthaler, A. Xu, Y. Menten, K. Rygl, K. Reid, M. Claussen, M.	MPIfR MPIfR MPIfR MPIfR CfA NRAO-Socorro	Accurate positions of Galactic methanol masers	1.3, 6 line EXPLORE	9, 16	8.19
AB1278	Cesaroni, R. Beltran, M. Codella, C. Moscadelli, L.	Arcetri Barcelona Arcetri Arcetri	Hyperyoung HII region G24.78+0.08 A1		1	0.48
AC843	Cheung, C.C. Harris, D.E. Junor, W.	KIPAC-Stanford CfA Los Alamos	Continued Monitoring of Knot "HST-1" in the M87 Jet	1.3, 2, 3.6	10	7.89
AC874	Cooper, N. Lister, M.	Purdue Purdue	Completing the MOJAVE Deep VLA Imaging Survey	20 line	13	2.80
AC877	Clarke, T. Sarazin, C. Boehringer, H. Kempner, J.	NRL Virginia MPE Bowdoin	X-ray Cavities in a Cluster Merger? Unraveling the Disturbed Core of Abell 3888	20 line	27, 29	3.47
AC878	Carilli, C. Walter, F. Menten, K. Wagg, J. Wang, R. Bertoldi, F. Yun, M. Riechers, D.	NRAO-Socorro MPIA MPIfR NRAO-Socorro NRAO-Socorro Bonn Univ. Massachusetts MPIA	A search for free-free emission from submm-loud QSOs at z>4	3.6, 6, 20	26	3.74
AC881	Chandra, P.	Virginia	Following the radio afterflow of X-ray bright Type II in supernova		12	0.50
AC884	Chandra, P. Chevalier, R. Chugai, N. Soderberg, A.	Virginia Virginia Moscow Caltech	Following the radio afterglow of a X-ray bright Type II in SN		14,18	1.92
AC908	Cameron, B. Chandra, P. Frail, D. Kasliwal, M. Kulkarni, S.	Caltech Virginia NRAO-Socorro Caltech Caltech	Hard X-ray flare from SAX J1810.8-2609	3.6, 20	8	0.93
AC909	Chandra, P. Frail, D. Kulkarni, S.	Virginia NRAO-Socorro Caltech	Hunting the most powerful gamma ray flare from Cygnus X-1	3.6, 20	13	0.99
AD562	Dwarakanath, K. Kale, R.	Raman Raman	Nature of ultra steep spectrum sources in the 74 MHz VLA Survey	90	2	14.10

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AD565	Dougherty, S. Beasley, A. Claussen, M. O'Connor, E. Pittard, J.	NRC NRAO-Chile NRAO-Socorro PEI Leeds	High-frequency constraints to models of non-thermal emission in WR 140	0.7, 6	21	0.98
AF454	Fontani, F. Brand, J. Cesaroni, R.	IRA IRA-Bologna Arcetri	Searching for infall in molecular clumps around high-mass young stellar objects	1.3 line	25	4.16
AG752	Grant, J. Taylor, A.R. Stil, J.	Calgary Calgary Calgary	High Resolution Polarimetry Imaging of Radio Sources in the ELAIS-N1 Field	20	11	10.06
AG753	Gelfand, Y. Gaensler, B. Taylor, G. Kouveliotou, C. Eichler, D. Lyubarsky, Y. Granot, J. Ramirez-Ruiz, E. Wijers, R. Fender, R.	CfA CfA UNM NASA-MSFC Ben Gurion Univ. Ben Gurion Univ. KIPAC IAS Amsterdam Southampton	Imaging and Monitoring the Radio Afterglow of SGR 1806-20	3.6, 6, 20	23	6.11
AG756	Gallo, E. Axon, D. Capetti, A. Rupen, M. Treu, T. Woo, J-H.	Calif., Santa Barbar RIT Torino NRAO Calif., Santa Barbar Calif., Santa Barbar	Imaging the nuclei of dwarf spheroidals in the Virgo cluster	3.6	1,3,17,19,25 ,26,27,28,31	14.09
AG757	Gomez, L. Rodriguez, L.	UNAM UNAM	Proper Motions in the Multiple Stellar System at the Core of HH 111	3.6	12	9.80
AG777	Wrobel, J. Greene, J. Ho, L.	NRAO Princeton Carnegie	Radio emission from 10 intermediate mass black holes: VLBA preparation		19,23,24,25, 31	4.31
AH940	Henkel, C. Menten, K.	MPIfR MPIfR	6cm OH Absorption toward ARP220	6 line	12	7.87
AH941	Hoffman, I. Richards, A.	St. Paul's School Manchester	Renewed interest in nonmetastable ammonia maser in NGC7538		10	1.50
AH942	Hofstadter, M. Butler, B. Gurwell, M. Orton, G. Hammel, H. Hesman, B.	JPL NRAO-Socorro CfA JPL SSI NASA-GSFC	Continued Observations of Uranus and Neptune	1.3, 2, 6	26, 28	15.11
AJ335	Jackson, N. Browne, I. Fassnacht, C. Koopmans, L.	Manchester Manchester Calif., Davis Groningen	VLA-Esterbork-MERLIN Delay Survey		21	0.50
AK634	Kulkarni, S. Fox, D. Frail, D.	Caltech Penn State NRAO	Long and short of radio afterglows in the Swift era	0.7, 20	3,4,5,6,7,10 ,11,21,25,26 ,27	13.28
AK656	Keto, E. Kurtz, S. Zhang, Q.	CfA UNAM CfA	Electron densities and flow in hypercompact HII regions	1.3	28	1.80
AL693	Laing, R. Bridle, A.	ESO-Garching NRAO-CV	Kinematics and dynamics of the relativistic jets in 3C 270 and NGC 193	6, 20	22, 22	7.29
AL695	Lin, Y-T. Partridge, R.B. Crawford, T.	Princeton Haverford Univ. Chicago	Spectral Energy Distribution of Radio Sources in $0.3 < z < 0.8$ Clusters	3.6, 6	31	0.48
AL696	Lopez, L. Brandt, N.	Calif.-Santa Cruz Penn State	A Search for Extended Radio Jets in Six $z > 4$ Quasars Imaged with Chandra	6, 20	25, 25, 26, 27, 31	13.75
AL703	Loinard, L. Rodriguez, L. Wilner, D. Ho, P. Chandler, C. Brogan, C. Pacheco, S.	UNAM UNAM CfA CfA NRAO-Socorro NRAO-CV UNAM	A detailed study of the very young multiple protostellar system IRAS16293-2422	0.7, 1.3, 3.6	13, 16, 17	12.04
AL704	Leurini, S. Zapata, L. Schilke, P. Beuther, H.	ESO MPIfR MPIfR MPIA	Searching for circumstellar disks in the high-mass-SFR IRAS 05358+3543	0.7, 1.3 line	27	6.66

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AM889	Miller, N. Fomalont, E. Padovani, P. Rosati, P. Mainieri, V. Tozzi, P. Norman, C. Kellerman, K.	Johns Hopkins NRAO-CV ESO MPIE MPE, Garching INAF Johns Hopkins NRAO-CV	Deep 1.4GHz VLA Observations of the Extended Chandra Deep Field South	20 line LARGE	...	88.67
AM910	Macquart, J-P. Chandra, P. Frail, D. Kulkarni, S. Soderberg, A.	NRAO Virginia NRAO Caltech Caltech	Interstellar scintillation obs. of extremely bright GRB 070125	3.6	3,11,13	3.27
A0219	Ohnaka, K. Boboltz, D. Izumiura, H. Murakawa, K. Driebe, T. Wittkowski, M.	MPIfR USNO NAO-Okayama MPIfR MPIfR ESO	VLA observations of water and OH masers toward silicate carbon stars	1.3, 20 line	19, 19	17.99
A0223	Osten, R. Ojha, R. Phan-Bao, N.	Maryland ATNF Florida	Ultracool dwarfs at High spatial resolution	3.6, 6	15	0.88
AQ017	Qiu, K. Zhang, Q.	Cfa Cfa	Resolving an ionized jet in a 10 ¹⁵ L _{sun} outflow disk system	3.6, 1.3	21	0.50
AR637	Roberts, D. Wardle, J. Bell, M.	Brandeis Brandeis Brandeis	Deep Multi-Frequency, Multi-Epoch VLA Imaging of SS433	2, 3.6, 6	5, 24	22.67
AR638	Rupen, M. Juett, A. Swank, J. Markwardt, C. Dhawan, V. Greisen, E.	NRAO-Socorro Virginia NASA-GSFC NASA-GSFC NRAO-Socorro NRAO-Socorro	The Disk/Jet Connection in Neutron Star X-ray Binaries	3.6, 6	14, 21, 30	8.67
AR642	Rupen, M. Dhawan, V. Mioduszewski, A.	NRAO NRAO NRAO	VLA Monitoring of X-ray binaries, transients, and related sources	3.6	1,3,10,12,17,21	8.20
AR646	Richards, G. Becker, R. Brandt, N. Fan, X. Strauss, M. Lacy, M. White, R. Hodge, J. Jester, S.	Drexelo Calif.-Davis Penn State Arizona Princeton IPAC STScI Calif.-Davis MPIA	Deep Radio Observations of SDSS Stripe 82	20 line	8, 13, 14	27.70
AR660	Rygl, K. Brunthaler, A. Kraus, S. Menten, K. Reid, M. Weigelt, G.	MPIfR MPIfR MPIfR MPIfR Cfa MPIfR	Synchrotron emission from Theta 1 Ori C during periastron passage?	3.6	28,29	1.87
AS887	Soderberg, A. Chevalier, R. Frail, D. Kulkarni, S.	Caltech Virginia NRAO Caltech	Toward an understanding of the progenitors of type Ibc SN	3.6	1,2,13,14,17,18,19,21,24,30	12.89
AS897	Stelzer, B. Testi, L.	Palermo Arcetri	The nature of centimetric radio emission in HAbE binary systems	1.3, 2, 3.6, 6	3, 4, 5, 6	19.26
AS899	Smits, D. deWitt, A.	South Africa South Africa	Groundstae OH masers associated with Herbig-Haro Objects	20	5,12	1.96
AS903	Stoche, J. Darling, J. Hearty, F.	Boulder Boulder Boulder	Snapshot survey of potential paradigm breaking radio loud AGN	6, 3.6	11,12	0.96
AS911	Sjouwerman, L. Claussen, M. Fish, V. Pihlstrom, Y.	NRAO NRAO NRAO UNM	Excited state OH masers in NML Cyg	6	1	0.50
AS925	Sokoloski, J. Mioduszewski, A. Rupen, M.	Columbia NRAO NRAO	Early radio observations of Nova Vul 2007		11,19	3.86
AT345	Turner, J. Beck, S.	Calif.-Los Angeles Tel Aviv University	Compact Radio Sources in High-Excitation Starburst Galaxies	3.6, 6	11	2.37

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AU119	Umana, G. Buemi, C. Cerrigone, L. Leto, P. Trigilio, C.	INAF INAF Cfa INAF INAF	Unveiling central object in two YPNs	3.6	18,21,22,30	3.74
AW705	Wang, R. Carilli, C. Bertoldi, F. Walter, F. Menten, K. Omont, A. Cox, P. Fan, X. Jiang, L. Strauss, M. Wagg, J.	NRAO-Socorro NRAO-Socorro Bonn Univ. MPIA MPIFR IAP-Paris IAP-Paris Arizona Univ. Arizona Princeton NRAO-Socorro	Radio continuum observation of $z>5$ quasars	20	20, 24	24.53
BB240	Bower, G.	Calif., Berkeley	RIPL	3.6	2,3,4,7,10,11,12,13	4.30
S80398	Sanders, J. Young, A. Fabian, A. Morris, G. Allen, S. Taylor, G.B. Dunn, R.	Cambridge Minnesota Cambridge Stanford Stanford UNM Southampton	The cluster core of Abell 2204: AGN interaction and cold fronts	90	28	3.33
DYNAMI	Dynamic, D. Staff	NRAO	Dynamic scheduling Baselines, Pointing, Delays Maintenance Polarization Calibrator Monitoring Software			40.0 71.5 12.0 62.5

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	Actual Hours	Percentage
Astronomy	473.80	68.15
Maintenance	71.50	10.28
Test/Calc	149.98	21.57
Total	695.28	100.00

Average downtime measured in antenna hours was 9.32% of scheduled antenna hours, distributed as:

System	Percentage
Antenna Pads	0.27
Cryogenics	0.37
Dynamic	34.41
Electrical	0.02
EVLA	25.79
EVLA Computers	4.16
FOC/ROT	7.08
Front End	4.76
HVAC	0.57
Interference	0.95
LO/IF	15.89
Monitor/Control	0.59
Obs. Program	0.63
Other	0.16
Servo	2.44
Site Power	1.30
VLA Correlator	0.61
Weather	0.01

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AB1233	Bietenholz, M.F. Bartel, N. Rupen, M.	York U. York U. NRAO-Socorro	The Spectral Evolution of a young Pulsar Nebula/Black Hole in SN 1986J	0.7, 90	31	8.44
AB1239	Branchesi, M.	IRA	High resolution observations of radio galaxies in distant clusters	20	14	2.31
AB1245	Berger, E. Knapp, G. Lee, K-G	Carnegie Princeton Carnegie	Mapping out magnetic and coronal properties of fully-convective M dwarfs	3.6	20,22,23,25, 28,29,30	14.04
AB1251	Boboltz, D.A. Marvel, K.	USNO AAS	VLA Mapping of the OH and water masers toward OH 12.8-0.9	1.3	28	1.39
AB1254	Busch, M. Heavens, N. Kulkarni, S. McEwan, I. Newman, C. Richardson, M.	Caltech Caltech Caltech Caltech Caltech Caltech	Radio imaging of Martian dust storms	20	13	0.85
AB1256	Bietenholz, M. Sluse, D. Glikman, E. Djorgovski, G. Frederic, C. Meylan, G. Mahabal, A. Thompson, D.	York U. Belgium Caltech Caltech Ecole Polytechnique Ecole Polytechnique Caltech Caltech	A Radio Image of the First Triple Quasar System	6	4	6.77
AB1257	Baker, A. Owen, F. Morrison, G.	Rutgers NRAO-Socorro Hawaii-CFHT	Free-Free Absorption in the "Taffy" Galaxy Mergers?	90	7	4.10
AB1278	Beltran, M. Cesaroni, R. Codella, C. Moscadelli, L.	Barcelona Arcetri Arcetri Arcetri	Hyperyoung HII region G24.78+0.08 A1	6	25	0.43
AC856	Claussen, M. Fish, V. Pihlstrom, Y. Sjouwerman, L. Zschaechner, L.	NRAO NRAO UNM NRAO Montana	Excited-source OH emission from Mira variable AU Geminorum	6	8	1.0
AC879	Chambers, K. Finn, S. Jackson, J. Rathborne, J. Simon, R. Stojimirovic, I. Zhang, Q.	Boston Boston Boston Boston Koln Boston Cfa	High resolution imaging of water masers in infrared dark cloud cores	1.3	22	3.19
AC888	Claussen, M. Bond, H. Healy, K. Starrfield, S.	NRAO STSci ASU ASU	Continuing monitoring of SiO masers in V838 Monocerotis	0.7	30	0.87
AD562	Dwarakanath, K. Kale, R.	Raman Inst. Raman	Nature of ultra steep spectrum sources in the 74 MHz VLA Survey	90	1, 4	9.95
AF452	Fish, V. Reid, M.	NRAO-Socorro Cfa	Exploring Potential L-Band Calibrators for Phase Referencing	3.6, 20	6	4.81
AF456	Forbrich, J. Menten, K.	MPIfR MPIfR	Unveiling the nature of the youngest protostar with nonthermal radio emission	3.6, 6	29	4.53
AG744	Rodriguez, L. Gomez, L. Loinard, L.	UNAM UNAM UNAM	Proper Motions in PV Cep	3.6	1	4.0
AG745	Greene, J. Ho, L. Ulvestad, J. Wrobel, J.	Princeton Carnegie NRAO NRAO	Intermediate-Mass black hole GH10 and its host galaxy	20	15	0.89
AG753	Gelfand, Y. Eichler, D. Gaensler, B. Granot, J. Kouveliotou, C. Lyubarsky, Y. Ramirez-Ruiz, E. Taylor, G.	Cfa Ben Gurion Cfa Stanford MSFC Ben Gurion Calif., Santa Cruz UNM	Imaging and monitoring the radio afterglow of SGR 1806-20	20	23	3.05
AG756	Gallo, E. Axon, D. Capetti, A. Rupen, M. Treu, T. Woo, J-H	Calif., Santa Barbar Rochester Torino NRAO Calif., Santa Barbar Calif., Santa Barbar	Imaging the nuclei of dwarf spheroidals in the Virgo cluster	3.6	22,29,30	5.50

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AH939	Helfand, D. Becker, R. White, R. Winkler, F. Long, K.	Columbia Calif.-Davis STScI Middlebury STScI	The Supernove Remnant Population of M33	6, 20	2	7.08
AJ337	Johnston, K. Shepherd, D.	St. Andrews NRAO-Socorro	The affect of UCHII regions & stellar winds on ionized outflows of B protostars	3.6	7, 25	4.71
AK634	Kulkarni, S. Fox, D. Frail, D.	Caltech Penn State NRAO	Long and short of radio afterglows in the Swift Era	0.7, 20	1,10,12,13,16,19,20,21,24,25,29	11.64
AK656	Keto, E. Zhang, Q. Kurtz, S.	Cfa Cfa UNAM	Electron densities and flow in hypercompact HII regions	3.6 line	24	1.74
AL698	Loinard, L. Fonfria Exposito, J.	UNAM Consejo Superior	Angular expansion of the very young protoplanetary nebula CRL 618	0.7, 1.3, 6	9	1.76
AM889	Miller, N. Fomalont, E. Padovani, P. Rosati, P. Mainieri, V. Tozzi, P. Norman, C. Kellerman, K.	Johns Hopkins NRAO-CV ESO MPIE MPE, Garching INAF Johns Hopkins NRAO-CV	Deep 1.4GHz VLA Observations of the Extended Chandra Deep Field South	20 line LARGE	...	85.87
AM902	Michalowski, M. Hjorth, J. Kamble, A. Garrett, M. Watson, D. Fynbo, J.	Dark Cosmology Dark Cosmology Raman JIVE University College Dark Cosmology	The survey of GRB-SN hosts: The search for unbiased tool to study star formation	20	14	5.73
AM904	McGreer, I. Helfand, D. Becker, R. White, R.	Columbia Columbia Calif.-Davis STScI	A Search for Lensing of a z=6.1 Radio-Loud Quasar	3.6	8	5.04
AM910	Macquart, J-P. Chandra, P. Frail, D. Kulkarni, S. Soderberg, A.	NRAO Virginia NRAO Caltech Caltech	Interstellar scintillation observations of the extremely bright AGB 070125	3.6	4,27	3.15
AN129	Nesvadba, N. Lehnert, M. De Breuck, C. Kaiser, C. Best, P.	Paris Observatory Paris Observatory ESO-Garching Southampton Edinburgh	AGN Feedback: Gauging the Impact of Radio Jets on Galaxy Formation	3.6, 6	5	9.10
AR637	Roberts, D. Wardle, J. Bell, M.	Brandeis Brandeis Brandeis	Deep Multi-Frequency, Multi-Epoch VLA Imaging of SS433	2, 3.6, 6	1, 17	19.07
AR638	Rupen, M. Juett, A. Swank, J. Markwardt, C. Dhawan, V. Greisen, E.	NRAO-Socorro Virginia NASA-GSFC NASA-GSFC NRAO-Socorro NRAO-Socorro	The Disk/Jet Connection in Neutron Star X-ray Binaries	3.6, 6	...	21.80
AR642	Rupen, M. Dhawan, V. Mioduszewski, A.	NRAO NRAO NRAO	VLA Monitoring of X-ray binaries, transients, and related sources	3.6	2,7,12,213,14,15,16,26,28,31	14.61
AR646	Richards, G. Becker, R. Brandt, N. Fan, X. Strauss, M. Lacy, M. White, R. Hodge, J. Jester, S.	Drexelo Calif.-Davis Penn State Arizona Princeton IPAC STScI Calif.-Davis MPIA	Deep Radio Observations of SDSS Stripe 82	20 line	...	123.2
AS887	Soderberg, A. Chevalier, R. Frail, D. Kulkarni, S.	Caltech Virginia NRAO Caltech	Toward an understanding of the progenitors of Type Ibc SN	3.6	3,7,18,24,26,31	5.92
AS899	deWitt, A. Smits, D.	South Africa South Africa	Groundstate OH masers associated with Herbig-Haro objects	20	15,16	1.72
AS903	Stocke, J. Darling, J. Hearty, F.	Colorado Colorado Colorado	Snapshot survey of potential paradigm-breaking radio loud AGN	6	5,8,10,14,15,16	5.92

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Progrm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AS911	Sjouwerman, L. Claussen, M. Fish, V. Pihlstrom, Y.	NRAO NRAO NRAO UNM	Excited-state OH masers in NML Cyg	6	29,31	1.31
AT342	Trinidad, M. Rodriguez, T. Migenes, V.	Guanajuato Guanajuato Guanajuato	Water Masers and Radio Continuum	1.3 line	3	4.90
AT345	Turner, J. Beck, S.	Calif.-Los Angeles Tel Aviv University	Compact Radio Sources in High-Excitation Starburst Galaxies	3.6, 6	8, 8	6.29
AW703	Wall, J. Gendre, M. Brookes, M. Best, P. Rottgering, H. Dunlop, J. Peacock, J.	Univ. BC Univ. BC JPL Edinburgh Leiden Edinburgh Edinburgh	The CENSORS Bright sample: cosmic downsizing and unified models	3.6	29	6.94
AY178	Yusef-Zadeh, F. Cotton, B. Wardle, M. Roberts, D. Heinke, C.	Northwestern NRAO-CV Macquarie Northwestern Northwestern	A Polarization Study of the Flare Emission from SgrA* at 7 and 13mm	0.7, 1.3	19	6.20
BB240	Bower, G. Bolatto, A. Ford, E. Kalas, P.	Calif., Berkeley Calif., Berkeley CfA Calif., Berkeley	RIPL	3.6	1,3,4,6,10,14,15,19	8.96
BC173	Creel, B. Chapman, J. Claussen, M. Pihlstrom, Y. Sahai, R. Vlemmings, W.	UNM CSIRO NRAO UNM Caltech Manchester	Distribution and relative positions of the OH and water masers in the water fountain PPN candidate IRAS 18043-2116	18	3,26	1.67
S80398	Sanders, J. Young, A. Fabian, A. Morris, G. Allen, S. Taylor, G.B. Dunn, R.	Cambridge Minnesota Cambridge Stanford Stanford UNM Southampton	The cluster core of Abell 2204: AGN interaction and cold fronts	90	2	3.42
S80463	Heinz, H. Kauffmann, G. Best, P. Heckman, T. Merloni, A. Canizares, C. DiMatteo, T. Chakrabarty, D.	MIT MPIA Edinburgh Johns Hopkins MPA MIT Cambridge MIT	A snapshot X-ray/radio survey of AGNs selected from the long menu of SD	3.6, 6	26, 28	9.12
S80531	Berger, E. Basri, G. Fleming, T. Gelino, C. Giampapa, M. Gizis, J.E. Johns-Krull, C. Liebert, J. Martin, E. Phan-Bao, N. Rutledge, R.R. Sherry, W.	Carnegie Calif.-Berkeley University of Arizona Caltech NSO Delaware Rice Univ. Arizona Central Florida Central Florida Caltech NOAO	The Full Picture of Magnetic Activity in Ultracool Dwarfs: Simultaneous	3.6, 6	1	0.94
S80723	Cheung, C.C. Stawarz, L. Siemiginowska, A. Harris, D.E. Schwartz, D. Wardle, J.F.C.	KIPAC-Stanford CfA CfA CfA CfA Brandeis	Chandra Imaging of the Highest Redshift Relativistic Jets	6	27	3.85
DYNAMI			Dynamic scheduling			154.5
	Staff	NRAO	Baselines, Pointing, Delays Maintenance Polarization Calibrator Monitoring Software Students		6, 6	34.0 62.0 13.0 66.5 3.78

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	Actual Hours	Percentage
Astronomy	461.65	70.88
Maintenance	62.00	9.52
Test/Calc	127.69	19.60
Total	651.34	100.00

Average downtime measured in antenna hours was 16.72% of scheduled antenna hours, distributed as:

System	Percentage
Antenna Pads	0.15
Clocks/Timing	1.23
Cryogenics	0.96
Dynamic	32.00
Electrical	0.02
EVLA	27.53
EVLA Computers	22.06
FOC/ROT	2.90
Front End	2.07
HVAC	0.08
Interference	0.65
LO/IF	1.05
Monitor/Control	1.97
Obs. Program	0.36
Other	2.21
Servo	4.47
Site Power	0.10
VLA Correlator	0.04
Weather	0.17

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AA311	Alves, F. Vlemmings, W. Torrelles, J. Girart, J. Rao, R.	Catalunya Manchester IEEC-Barcelona Catalunya Hawaii	Probing magnetic fields in collapsing magnetized cores through H2O masers	1.3 line	24, 26	9.53
AB1248	Buyle, P. De Rijcke, S. Debattista, V. Ferrerias, I. Pasquali, A. Seth, A. Morelli, L.	Ghent Ghent Washington Univ. Oxford MPIA-Heidelberg CfA Pontificia Univ.	A candidate intermediate-mass black hole in a dwarf elliptical galaxy	3.6	28	2.61
AC843	Cheung, C.C. Harris, D.E. Junor, W.	KIPAC-Stanford CfA Los Alamos	Continued Monitoring of Knot "HST-1" in the M87 Jet	1.3, 2, 3.6	11	6.55
AC871	Cheung, T. Siemiginowska, A.	NRAO-Stanford CfA	A Powerful AGN Outburst in a z=1 X-ray Cluster Source	6, 20	10	5.37
AC874	Cooper, N. Lister, M.	Purdue Purdue	Completing the MOJAVE Deep VLA Imaging Survey	20 line	30	2.89
AC875	Claussen, M. Wooten, A.	NRAO-Socorro NRAO-CV	The Shell Acceleration Zone in IRC+10216	0.7 line	24	5.68
AC878	Carilli, C. Walter, F. Menten, K. Wagg, J. Wang, R. Bertoldi, F. Yun, M. Riechers, D.	NRAO-Socorro MPIA MPIfR NRAO-Socorro NRAO-Socorro Bonn Univ. Massachusetts MPIA	A search for free-free emission from submm-loud QSOs at z>4	3.6, 6, 20	12, 17, 19	12.01
AC879	Chambers, E. Finn, S. Jackson, J. Simon, R. Zhang, Q. Rathborne, J. Stojimirovic, I.	Boston Boston Boston Boston CfA CfA Boston	High Resolution Imaging of Water Masers in Infrared Dark Cloud Cores	1.3 line	19	5.40
AC886	Weisskopf, M. Clarke, T. Karovska, M. Pavlov, G. Zavlin, S.	Martin Space Flight NRL CfA Penn State Marshall Space Fligh	Unraveling the unusaul PWN in IC443	20	8,17	4.47
AD562	Dwarakanath, K. Kale, R.	Raman Raman	Nature of ultra steep spectrum sources in the 74 MHz VLA Survey	90	30	5.94
AF457	Franco-Hernandez, R. Moran, J. Rodriguez, L. Garay, G.	CfA CfA UNAM Chile	Water Maser and Continuum Observations of the Massive Protostar IRAS16547-4247	1.3 line	7	1.92
AG745	Greene, J. Wrobel, J. Ho, L. Ulvestad, J.	Princeton NRAO-Socorro Carnegie Obs. NRAO-Socorro	The Intermediate-Mass Black Hole GH 10 and Its Host Galaxy	3.6, 6, 20	18	8.23
AG746	Goddi, C. Cesaroni, R. Codella, C. Beltran, M. Moscadelli, L.	CfA Arcetri CNR-Roma Barcelona Arcetri	The velocity field of the hypercompact HII region G24.78+0.01 A1	1.3 line	12	7.64
AG748	Gentile, G. Taylor, G. Dunn, R. Allen, S. Shurkin, K.	UNM UNM Southampton Stanford UNM	Radio galaxies in clusters	20, 90 line	8, 9, 12, 14	14.62
AG753	Gelfand, Y. Gaensler, B. Taylor, G. Kouveliotou, C. Eichler, D. Lyubarsky, Y. Granot, J. Ramirez-Ruiz, E. Wijers, R. Fender, R.	CfA CfA UNM NASA-MSFC Ben Gurion Univ. Ben Gurion Univ. KIPAC IAS Amsterdam Southampton	Imaging and Monitoring the Radio Afterglow of SGR 1806-20	3.6, 6, 20	17	6.20

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AG754	Goodger, J. Hardcastle, M. Croston, J. Kraft, R. Worrall, D.	Hertfordshire Hertfordshire Hertfordshire CfA Bristol	Monitoring and Multi-frequency Observations of Centaurus A's Jet	2, 3.6, 6	3, 4, 15	9.18
AG755	Gomez, Y. Guzman, L.	UNAM UNAM	The angular expansion of K 3-35	3.6	23	3.75
AH938	Hardcastle, M. Jester, S.	Hertfordshire MPIA	The nature of X-ray jets in powerful core-dominated quasars	6, 20	22, 23	20.21
AH939	Helfand, D. Becker, R. White, R. Winkler, F. Long, K.	Columbia Calif.-Davis STScI Middlebury STScI	The Supernove Remnant Population of M33	6, 20	...	69.95
AH943	Hallinan, G. Antonova, T. Lane, C. Doyle, G. Bourke, S. Briskin, W. Golden, A.	Galway Armagh Obs. Galway Armagh Galway NRAO-Socorro Galway	Monitoring the Pulsating Coherent Radio Emission from Ultracool Dwarfs	3.6, 6	1, 1	9.08
AK634	Kulkarni, S. Fox, D. Frail, D.A.	Caltech Penn State NRAO-Socorro	Long and short of radio afterglows in the Swift era	0.7, 20	17,17,30	2.39
AK664	Kurtz, S. Hofner, P.	UNAM NMIMT	Class II Methanol masers in Northern Sources	6	5,11	2.46
AK682	Kulkarni, S.	Caltech	GRB 070610: A curious galactic event	3.6	13,14,15	2.55
AL693	Laing, R. Bridle, A.	ESO-Garching NRAO-CV	Kinematics and dynamics of the relativistic jets in 3C 270 and NGC 193	6, 20	2, 2, 8, 28	26.79
AL695	Lin, Y-T. Crawford, T. Partridge, B.	Princeton Chicago Haverford	Spectral energy distribution of radio sources in 0.3<z<0.8 clusters	3.6	16,17 16,17	11.08
AL705	Liu, C. Hooper, E. O'Neil, K. vanGorkom, J.	UNYC Wisconsin NRAO Columbia	Luminous E+A galaxy G515: obscured star formation or weak AGN?	20	4	0.88
AM888	McLaughlin, M. Dhillon, V. Hankins, T. Shearer, A. Lorimer, D.	West Virginia Sheffield NMIMT Galway West Virginia	Joint radio and optical observations of RRAT J1819-1458	20	14	8.33
AM889	Miller, N. Fomalont, E. Padovani, P. Rosati, P. Mainieri, V. Tozzi, P. Norman, C. Kellerman, K.	Johns Hopkins NRAO-CV ESO MPIE MPE, Garching INAF Johns Hopkins NRAO-CV	Deep 1.4GHz VLA Observations of the Extended Chandra Deep Field South	20 line LARGE	3, 15, 24, 25, 29	21.73
AM891	Matthews, B. Bergin, E. Crapsi, A. Hogerheijde, M. Jorgensen, J. Wooten, H.	Herzberg Michigan Leiden Leiden CfA NRAO	High resolution study of the kinetic temperature of Barnard 1c	1.3	1	0.43
AM905	Morganti, R. Oosterloo, T. Tadhunter, C.	ASTRON ASTRON Sheffield	The search for broad HI absorption in Cygnus A: quantifying AGN-induced outflow	20 line	11	7.68
A0218	Osten, R. Lazio, J.	Maryland NRL	Low Frequency Observations of Ultracool Dwarfs with Persistent Radio Emission	90 line	24, 25, 25	19.75
AP534	Perez-Torres, M. Alberdi, A. Colina, L. Mattila, S. Panagia, N. Torrelles, J.M. Wilson, A.s.	IAA IAA CSIC Belfast STScI Catalunya Maryland	Radio emission from Supernova 2004ip in Galaxy IRAS 18293-3413	3.6	11	1.90
AR637	Roberts, D. Wardle, J. Bell, M.	Brandeis Brandeis Brandeis	Deep Multi-Frequency, Multi-Epoch VLA Imaging of SS433	2, 3.6, 6	7, 30	11.03
AR642	Dhawan, V. Mioduszewski, A.	NRAO-Socorro NRAO-Socorro	VLA Monitoring of X-ray binaries, transients, and related sources	3.6, 6	16,17,30	1.77

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AS887	Soderberg, A. Chevalier, R. Frail, D. Kulkarni, S.	Caltech Virginia NRAO Caltech	Toward an understanding of progenitors of type Ibc SN	3.6	3,11,22	4.24
AS900	Schawinski, K. Kloeckner, H. Thomas, D. Maraston, C. Sarzi, M. Kaviraj, S.	Oxford Oxford NRAO-Socorro Oxford Hertfordshire Oxford	Observing the physics of AGN feedback in elliptical galaxies	3.6, 6, 20	9	13.69
AS902	Sanchez-Monge, A. Busquet, G. Palau, A. Estalella, R. Zhang, Q. Sridharan, T.K.	Barcelona Barcelona Barcelona CfA CfA	A multiwavelength study of ionized gas around high-mass protostars	3.6, 6	5	2.89
AS903	Stoeke, J. Darling, J. Hearty, F.	Colorado Colorado Colorado	Snapshot Survey of potential paradigm-breaking radio loud AGN	6	16	5.39
AS905	Sokoloski, J. Rupen, M. Mioduszewski, A. Brocksopp, C.	Columbia NRAO-Socorro NRAO-Socorro MSSL	A Three-dimensional Look at the Emerging Jet from Z Andromedae	1.3, 3.6	7	8.71
AT342	Trinidad, M. Rodriguez, T. Migenes, V.	Guanajuato Guanajuato Guanajuato	Water Masers and Radio Continuum	1.3 line	3, 4, 9, 27	18.23
AT343	Torstensson, K. van Langevelde, H. Hill, T. Bartkiewicz, A. Vlemmings, W. Phillips, C.	Leiden JIVE Leiden Torun Centre Manchester JIVE	Probing the environment of methanol masers	1.3	28, 29	15.21
AW702	Williams, P. Dougherty, S.	Edinburgh NRC	Monitoring the radio emission from WR 125	3.6	5,11	1.90
AW704	Wang, J. Zhang, Z.	Purple Mountain Purple Mountain	Kinematics and starburst in NGC6240 with H2CO maser	6 line	21	7.41
BB240	Bower, G.C. Bolatto, A. Ford, E. Kalas, P.	Berkeley Berkeley CfA Berkeley	RIPL:Radio Interferometric Planet Search	3.6	3,30	0.88
BD124	Doi, A. Nagai, H. Asada, K. Kameno, S. Wajima, K. Hagiwara, Y. Inoue, M.	Yamaguchi Tokyo Univ. NAOJ NAOJ KAO NAOJ NAOJ	Mrk 1239: prototype of radio-quiet narrow-line Seyfert 1 galaxy	6, 20 Single antenna VLBI	22, 23	0.46
DYNAMI			Dynamic scheduling			131.0
	Staff	NRAO	Baselines, Pointing, Delays Maintenance Polarization Calibrator Monitoring Software			34.0 62.0 12.0 52.0

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	Actual Hours	Percentage
Astronomy	409.03	63.52
Maintenance	62.00	9.63
Test/Calc	172.93	26.85
Total	643.96	100.00

Average downtime measured in antenna hours was 15.7% of scheduled antenna hours, distributed as:

System	Percentage
Cryogenics	1.19
Dynamic	24.02
Electrical	0.05
EVLA	39.70
EVLA Computers	1.82
FOC/ROT	1.04
Front End	2.78
HVAC	1.82
Interference	2.08
LO/IF	9.69
Mechanical	0.86
Monitor/Control	0.10
Obs. Program	1.11
Other	0.67
Power Supply	0.22
Servo	2.90
Site Power	0.92
VLA Computers	6.73
VLA Correlator	2.31
Weather	0.01

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AB1217	Estalella, R. Sanchez-Monge, A. Busquet, G. Palau, A.	Barcelona Barcelona Barcelona Barcelona	Interaction in a closely-packed environment	0.7, 1.3	12	10.67
AB1228	Beck, R. Frick, P.	MPIfR ICMM	Magnetic arms in spiral galaxy IC342	6	20	4.25
AC841	Cannon, J.M. Rosenberg, J. Salzer, J.	Wesleyan CfA Wesleyan	Exploring the Properties of Extremely Compact Dwarf Galaxies	20	11	1.85
AC858	Curiel, S.	UNAM	Dust continuum emission associated with Classical T Tauri Star	0.7	19, 20	3.18
AC864	Chyzy, K. Buta, R. Elstner, D.	Jagiellonian Alabama Potsdam	Magnetic fields in ringed galaxy NGC4736	3.6	15,16	3.33
AC888	Claussen, M. Bond, H. Healy, K. Starrfield, S.	NRAO-Socorro STScI ASU ASU	Continuing monitoring of SiO masers in V838 Monocerotis	0.7	21	1.37
AC890	Codella, C. Beltran, M. Cesaroni, R. Moscadelli, L.	Arcetri Barcelona Arcetri Arcetri	SiO detection experiment towards massive protostar G24.78+0.08 A1	0.7	22	1.63
AD538	Dettmar, R. Dahlem, M. Heesen, V. Krause, M. Rossa, J.	Bochum ATNF Bochum MPIfR STScI	Non-thermal halo of NGC 4634	20	19,20,21	4.28
AE163	Evans, D. Croston, J. Hardcastle, M.	Harvard Hertfordshire Hertfordshire	Examining particle acceleration in jet and hotspot of DA 240	6	18	0.73
AF422	Furuya, R. Cesaroni, R. Shinnaga, H.	NAOJ-Subaru Arcetri Caltech	The cluster of high-mass protostars in G19.61-0.23	1.3	8	3.24
AF445	Ferrari, C. Feretti, L. Mauger, S. Cappi, A. Sauvageot, J.	Innsbruck Bologna Cote d'Azur INAF CEA	Diffuse emission in A1750 and A2384: a pre- and a post-merging cluster	20	1	3.17
AF446	Fey, A. Frey, S. Platais, I. Zacharias, N.	USNO SGO Johns Hopkins USNO	Linking deep astrometric standards to ICRF. II	6	1,2,4,5	4.57
AF452	Fish, V. Reid, M.	NRAO-Socorro CfA	Exploring potential L-band calibrators for phase referencing	3.6	26, 28	1.79
AF455	Forbrich, J. Brunthaler, A. Massi, M. Menten, K. Ros, E.	MPIfR MPIfR MPIfR MPIfR MPIfR	Confirming fast orbital motion in protostellar binary YLW 15	3.6	25	1.42
AF459	Fish, V.	NRAO-Socorro	What's unique about ON1 North?	6	25	2.22
AF460	Feain, I. Edwards, P. Sjouerman, L.	ATNF ATNF NRAO-Socorro	Constraining ATCA Q-band flux scale	0.7	18,19,20,27	9.23
AG715	Gaensler, B.M. Gelfand, J. Taylor, G.B. Kouveliotou, C. Eichler, D. Lyubarsky, Y. Granot, J. Ramirez-Ruiz, E. Wijers, R. Fender, R.P. Garrett, M.A.	CfA CfA UNM NASA-MSFC Ben Gurion Univ. Ben Gurion Univ. KIPAC IAS Amsterdam Southampton JIVE	Imaging and monitoring of afterglow of SGR 1806-20	3.6, 6, 20	2	4.17
AG750	Gomez, J-F. deGregorio-Monsalvo, Suarez, O.	IAA ESO LAEFF	Accurate position measurements of water masers in Bok globules: CB 34 and CB 199	1.3	26, 28	1.81
AK634	Kulkarni, S. Fox, D. Frail, D.	Caltech Penn State NRAO-Socorro	Long and short radio afterglows in Swift Era	0.7, 20	3,19	1.89

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AK649	Koerding, E. Dhawan, V. Fender, R. Knigge, C. Rupen, M.	Southampton NRAO-Socorro Southampton Southampton NRAO-Socorro	Transient jets from "hard state" cataclysmic variables	3.6	19,25	6.61
AK666	Koerding, E. Dhawan, V. Fender, R. Knigge, C. Rupen, M.	Southampton NRAO-Socorro Southampton Southampton NRAO-Socorro	On-going radio outburst of cataclysmic variable SS Cyg	3.6	4,5,6,7,10,13	12.97
AL692	Li, D. Zhang, Q. Goldsmith, P. Velusamy, T.	JPL CfA JPL JPL	Temperature and Turbulence Structure of Massive Quiscent Orion Cores	1.3 line	4	8.30
AM885	Miller-Jones, J. Fender, R.P. Russell, D.	Amsterdam Southampton Southampton	Imaging the radio lobes inflated by the jets of the X-ray binary GRO J1655-40	20	11	1.79
AM887	Matthews, L.D. Reid, M. Gerard, E. LeBertre, T. Libert, Y.	CfA CfA Meudon Obs. de Paris Obs. de Paris	VLA Imaging of HI in the Circumstellar Envelopes of AGB Stars	20 line	4, 4, 9, 11	20.09
AM891	Matthews, B. Hogerheijde, M. Wootten, H.A. Bergin, E. Jorgensen, J. Crapsi, A.	NRC Leiden NRAO-CV Michigan CfA Leiden	A high-resolution study of the kinetic temperature of Barnard 1c	1.3 line	6	7.31
AM910	Macquart, J-P. Chandra, P. Frail, D. Kulkarni, S. Soderberg, A.	NRAO-Socorro Virginia NRAO-Socorro Caltech Caltech	Interstellar scintillation obs. of extremely bright GRB 070125	3.6	15,16,18,19,20	5.78
AM912	Menten, K. Brunthaler, A. Claussen, M. Henkel, C. Pandian, J. rygi, K. Wyrowski, F. Xu, Y.	MPIfR MPIfR NRAO-Socorro MPIfR Cornell MPIfR MPIfR MPIfR	Methanol masers in prominent galactic star formation regions	6	10,11,17,18,19,22,25	11.34
AM914	Menten, K. Brunthaler, A. Claussen, M. Daring, J. Henkel, C. Reid, M. Wyrowski, F.	MPIfR MPIfR NRAO-Socorro Colorado MPIfR CfA MPIfR	Searching for the 6.7 GHz methanol line toward Arp 220	6	3,5,7,17,18,28	4.88
AM915	McDonnell, K. Wardle, M. Vaughan, A. Hewitt, J. Yusef-Zadeh, F.	Macquarie Macquarie Macquarie MIT Northwestern	A search for OH 6049 MHz emission towards supernova remnants	6, 20 line EXPLORE	14, 15	8.40
AP521	Perez-Torres, M. Alberdi, A. Montes, G.	IAA IAA UNAM	Disentangling the nature of radio emission in WR binary stars	6	6	4.04
AP529	Pihlstrom, Y. Sjouwerman, L. Fish, V.	UNM NRAO-Socorro NRAO-Socorro	Excited-OH masers in SNR/cloud collisions	6 line EXPLORE	7	2.03
AP533	Palau, A. Estalelia, R.	Barcelona Barcelona	Young star driving a cavity of swept up material	6	16	0.17
AR603	Rupen, M. Dhawan, V. Mioduszewski, A.	NRAO-Socorro NRAO-Socorro NRAO-Socorro	X-ray binaries, transients, and related sources	0.7	15,16,17,18,19,20,21,22	14.93
AR623	Riechers, D. Walter, F. Carilli, C. Bertoldi, F.	MPIA MPIA NRAO-Socorro Bonn Univ.	Dense Molecular Gas at the End of Cosmic Reionization	1.3 line	...	56.14

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AS883	Saintonge, A. Salzer, J. Cannon, J.M. Giovannelli, R. Haynes, M. Kent, B. Stierwalt, S. Brosch, N. Martin, A.	Cornell Wesleyan Wesleyan Cornell Cornell Cornell Cornell Tel Aviv University Cornell	Star Formation in Nearby Very Low Surface Brightness Dwarf Galaxies	20	5	2.73
AS887	Soderberg, A. Chevalier, R. Frail, D. Kulkarni, S.	Caltech Virginia NRAO-Socorro Caltech	Toward an understanding of progenitors of Type Ibc Supernovae	3.6	3,5,12,17,20 ,21,25,26,27 ,28	20.67
AS895	Shepherd, D. Johnston, K. Aguirre, J.	NRAO-Socorro St. Andrews NRAO	A Search for Ionized Gas in Massive Molecular Cores	3.6	1	8.05
AS896	Sanchez-Monge, S. Estalella, R. Palau, A.	Barcelona Barcelona Barcelona	In search of dust emission around deeply embedded UCHII regions	0.7	7	1.80
AS909	Sokoloski, J. Mioduszewski, A. Rupen, M.	Columbia NRAO-Socorro NRAO-Socorro	Radio flux monitoring of CH Cygni	20	12,13	0.90
AS911	Sjouerman, L. Claussen, M. Fish, V. Pihlstrom, Y. Zschaechner, L.	NRAO-Socorro NRAO-Socorro NRAO-Socorro UNM ..	Excited-State OH masers in NML Cyg	6	30	1.33
AT319	Tarchi, A. Braatz, J. Brunthaler, A. Henkel, C.	Cagliari NRAO-CV MPIfR MPIfR	H2O versus continuum in megamaser galaxy 3C 403: reverberation mapping of the nuclear region	1.3	18	1.33
AW709	Weiler, K. Stockdale, C. Panagia, N. Immler, S. Sramek, D. Marcaide, J. Ryder, S. Williams, C. Pooley, D.	NRL Marquette Univ. STScI NASA-GSFC NRAO-Socorro Valencia AAO MIT Calif.-Berkeley	Long Term Monitoring of Radio Supernovae	1.3, 2, 3.6, 6, 20, 90	28	16.63
AW711	Wyrowski, F. Menten, K. Pandian, J. Rygi, K. Schuller, F. Xu, Y.	MPIfR MPIfR Cornell MPIfR MPIfR MPIfR	Methanol maser towards a new population of massive high extinction clouds	6	11, 12, 16	5.76
AY181	Yun, M. Tripp, T.	UMass UMass	Deep map of HI emission from a remarkable transforming spiral galaxy	20	20,22	5.67
AZ170	Zhang, X. Zhen, Y. Zhang, H.	Beijing Beijing Beijing	Observations of the Moon at a frequency near 1700 MHz with the VLA	20	10	1.66
BB249	Brisken, W.	NRAO-Socorro	eVLBI tests		7, 21	0.15
BM257	McClintock, J. Dhwawan, V. Narayan, R. Reid, M. Remillard, R.	CfA NRAO-Socorro CfA CfA MIT	Is the black hole in the microquasar GRS1915+105 spinning maximally?	1.3	25	2.75
S70601	Forman, W.R. Jones, C. Charasov, E. Eilek, J. Owen, F.	CfA Colorado MPA NMIMT NRAO-Socorro	Chandra/VLA observations of galaxy IC 1262	20	13	1.88
S80531	Berger, E. Basri, G. Fleming, T. Gelino, C. Giampapa, M. Gizis, J.E. Johns-Krull, C. Liebert, J. Martin, E. Phan-Bao, N. Rutledge, R.R. Sherry, W.	Carnegie Calif.-Berkeley Arizona Caltech NSO Delaware Rice Univ. Arizona Central Florida Central Florida Caltech NOAO	The Full Picture of Magnetic Activity in Ultracool Dwarfs: Simultaneous	3.6, 6	3	8.63

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
DYNAMI			Dynamic scheduling			66.70
	Staff	NRAO	Baselines, Pointing, Delays			43.0
			Maintenance			83.0
			Polarization Calibrator Monitoring			12.0
			Software			75.0
			General tests			27.0

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	Actual Hours	Percentage
Astronomy	311.11	48.92
Maintenance	83.00	13.02
Test/Calc	242.53	38.05
Total	637.34	100.00

Average downtime measured in antenna hours was 25.49% of scheduled antenna hours, distributed as:

System	Percentage
Antenna Pads	0.47
Cryogenics	0.18
Dynamic	62.54
Electrical	0.10
EVLA	24.44
FOC/ROT	1.89
Front End	1.60
HVAC	0.10
Interference	0.91
LO/IF	2.07
Monitor/Control	0.19
Obs. Program	0.75
Other	0.88
Power Supply	0.39
Servo	2.29
VLBA Recorders	0.14
Weather	1.06

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AB1233	Bietenholz, M.F. Bartel, N. Rupen, M.	York U. York U. NRAO-Socorro	The Spectral Evolution of a young Pulsar Nebula/Black Hole in SN 1986J	0.7, 1.3, 2, 3.6	22	5.23
AC842	Cannon, J.M. Dolphin, A. Kennicutt, R. Lee, J. Skillman, E. Walter, F. Weisz, D.	Wesleyan Arizona Cambridge Arizona Minnesota MPIA Minnesota	Multiwavelength Observations of the Post-Starburst Dwarf Galaxy DDO 165	20	11	1.85
AC857	Cortese, L. Minchin, R.F. Davies, J. Auld, R.	Cardiff Arecibo Cardiff Cardiff	The effect of preprocessing on the HI content of interacting groups in Abell1367	20 line	14, 15	10.92
AC860	Crapsi, A. Tafalla, M. Caselli, P. Bourke, T. Myers, P. Walmsley, M.	Leiden OAN CfA CfA CfA Arcetri	The temperature profile in the early stage of star formation	1.3 line	10, 15, 28, 29	15.37
AC861	Carilli, C. VandenBout, P.A. Solomon, P.M. Gao, Y.	NRAO-Socorro NRAO-CV Stoney Brook Purple Mountain	Observations of dense star forming gas in SMM J16359	1.3 line	7, 8, 13, 23	28.52
AC864	Chyzy, K.T. Buta, R.J. Elstner, D.	Jagiellonian Alabama Potsdam	Magnetic fields in the ringed galaxy NGC4736	3.6, 6	8, 16	24.93
AD559	Dent, B. Chandler, C. Fraser, H. Thi, W-F. Torrelles, J.-M.	Edinburgh NRAO-Socorro Strathclyde Edinburgh Catalunya	Search for NH3 in evolved AeBe disks	1.3	7	1.31
AE158	Emonts, B. Morganti, R. vanGorkom, J. vanMoorseel, G. Oosterloo, T.	Columbia ASTRON Columbia NRAO-Socorro ASTRON	Neutral hydrogen and the origin of powerful radio galaxies	20 line	22	4.43
AF445	Ferrari, C. Feretti, L. Maurogordato, S. Cappi, A. Sauvageot, J.	Innsbruck Bologna Cote d'Azur INAF, Bologna CEA, France	Diffuse emission in A1750 and A2384: a pre- and a post-merging cluster	20	26	3.23
AF446	Fey, A. Frey, S. Platais, I. Zacharias, N.	USNO SGO Johns Hopkins USNO	Linking deep astrometric standards to the ICRF	2,6	5,10,12,30	5.72
AF447	Feretti, L. Allen, S. Gentile, G. Giovannini, G. Govoni, F. Orru, E. Pihlstrom, Y. Taylor, G.	INAF Stanford UNM INAF INAF INAF UNM UNM	Identifying radio halos in the MACS cluster sample	20	6,15,22	8.22
AF460	Feain, I. Edwards, P. Sjouwerman, L.	ATNF ATNF NRAO-Socorro	Constraining the ATCA Q-band flux scale	0.7	30	0.89
AG723	Giovannini, G. Feretti, L. Govoni, F. Murgia, M. Orru, E.	Bologna Bologna Bologna Bologna Cagliari	Symmetric double relics in Abell 1240 and Abell 2345	20	9, 11	6.61
AG735	Gross, C. Clarke, T.E. Dickel, J. Kassim, N.E. Weiler, K. Brogan, C.L.	NRL NRL New Mexico NRL NRL NRAO-CV	74 MHz Observations of Supernova Remnant IC443	90	15	3.53
AG741	Garcia-Appadoo, D. Minchin, R.F. Disney, M.J. Dalcanton, J. Cortese, L. West, A.	Bonn Arecibo Cardiff Washington Cardiff Calif.-Berkeley	Interferometric observations of HI-selected "exotic" galaxies.	20 line	29	3.55

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AJ332	Johnston, K. Shepherd, D.	St. Andrews NRAO-Socorro	Influence of UC HII regions and stellar winds on massive star formation	3.6	10,15,28	3.31
AK633	Kneissl, R. Basu, K. Bertoldi, F. Boehringer, H. Menten, K. Nord, M.	Calif., Berkeley MPIfR Bonn MPIfE MPIfR Bonn	SED of radio sources in distant SZ galaxy clusters	1.3	5	0.97
AK634	Kulkarni, S. Fox, D. Frail, D.	Caltech Penn State NRAO-Socorro	Long and short of radio afterglows in the Swift Era	0.7	14,29	1.36
AK649	Koerding, E. Dhawan, V. Fender, R. Knigge, C. Rupen, M.	Southampton NRAO-Socorro Southampton Southampton NRAO-Socorro	Transient jets from "hard state" cataclysmic variables	3.6	24,25,26	3.72
AK654	Kurtz, S. Hofner, P. Jordan, E. Loinard, L. Araya, E. Gomez, A.	UNAM NMIMT NMIMT UNAM NMIMT UNAM	Methanol Masers in High Mass Protostellar Objects	0.7 line	2, 22, 23	9.79
AK666	Koerding, E. Dhawan, V. Fender, R. Knigge, C. Rupen, M.	Southampton NRAO-Socorro Southampton Southampton NRAO-Socorro	On-going radio outburst of the cataclysmic variable SS Cyg	3.6	28	1.75
AL692	Li, D. Zhang, Q. Goldsmith, P. Velusamy, T.	JPL CfA JPL JPL	Temperature and Turbulence Structure of Massive Quiescent Orion Cores	1.3 line	21, 28	15.48
AM884	Montero-Castano, M. Ho, P.T.P. Herrnstein, R.	CfA CfA Columbia	NH3 in the nuclear region of IC 342	1.3 line	20	10.89
AM887	Matthews, L.D. Reid, M. Gerard, E. LeBertre, T. Libert, Y.	CfA CfA Meudon Obs. de Paris Obs. de Paris	VLA Imaging of HI in the Circumstellar Envelopes of AGB Stars	20 line	1, 8, 27, 28, 30	25.30
AM898	Marrone, D. Sharp, M. Carlstrom, J.E. Greer, C. Hennessy, R. Joy, M. Leitch, E.M. Loh, M. Miller, A. Mroczkowski, T. Muchovej, S. Pryke, C. Woody, D.	Chicago Chicago Chicago Chicago NASA-MSFC Caltech Chicago Columbia Columbia Columbia Chicago Caltech	VLA Observations of Radio Source Contamination in the SZA Cluster Survey	6	13	13.95
AM910	Macquart, J.-P. Chandra, P. Frail, D. Kulkarni, S. Soderberg, A.	NRAO Virginia NRAO Caltech Caltech	Interstellar scintillation obs. of extremely bright GRB	3.6	2,21,22,23	8.23
AM914	Menten, K. Brunthaler, A. Claussen, M. Darling, J. Henkel, C. Reid, M. Wyrowski, F.	MPIfR MPIfR NRAO Colorado MPIfR CfA MPIfR	Searching for the 6.7 GHz methanol line toward Arp 220	6	30	0.87
AO210	Orienti, M. Dallacasa, D. Stanghellini, C.	INAF Bologna INAF	High frequency peakers: blazars or newly born radio sources	20	14	2.84
AP519	Pety, J. Liszt, H. Teyssier, D. Goicoechea, J. Gerin, M. Hily-Blant, P. Roueff, E.	IRAM NRAO-CV ESA Obs. de Paris Obs. de Paris IRAM, France Obs. de Paris	Benchmarking PDR models against the Horsehead edge: Thermal structure	1.3 line	6	5.54

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AP521	Perez-Torres, M. Alberdi, A. Montes, G.	IAA IAA UNAM	Disentangling the nature of radio emission in WR binary stars	6	21	3.49
AQ016	Qiu, K.		Catching Them Young: Evolution of Youngest Protostellar Outflows	0.7 line	11	4.06
AR603	Rupen, M. Dhawan, V. Mioduszewski, A.	NRAO-Socorro NRAO-Socorro NRAO-Socorro	VLA Monitoring of and triggered response to X-ray binaries, transients, and related sources	0.7, 20	5,6,10,24	4.18
AR615	Rodriguez, L.F. Gomez, Y. Casassus, S.	UNAM UNAM Chile	A Search for Spinning Dust Emission in Four Selected Planetary Nebulae	1.3 line	26, 26, 27, 30	17.56
AR617	Ragan, S. Bergin, T. Wilner, D.	Michigan Michigan CfA	Peering into the Heart of Galactic Star Formation	1.3 line	11, 16, 19	19.33
AS887	Soderberg, A. Chevalier, R. Frail, D. Kulkarni, S.	Caltech Virginia NRAO-Socorro Caltech	Toward an understanding of the progenitors of Type Ibc SN	3.6	20,21,23,24, 25,26,27-30	11.28
AS892	Soida, M. Balkowski, C. Beck, R. Chyzy, K. Urbanik, M.	Jagiellonian Meudon MPIfR Jagiellonian Jagiellon	Interacting galaxies - source of cosmic magnetic fields	6	2,4	2.77
AS894	Shirley, Y.L. Li, Z.	Arizona Colorado	The Chemical and Dynamical State of the Purportedly Nascent Starless Core L1521E	1.3 line	29	9.08
AS895	Shepherd, D. Johnston, K. Aguirre, J.	NRAO-Socorro St. Andrews NRAO	A Search for Ionized Gas in Massive Molecular Cores	3.6	6	7.83
AS909	Sokoloski, J. Mioduszewski, A. Rupen, M.	Columbia NRAO-Socorro NRAO-Socorro	Radio flux monitoring of CH Cygni	3.6, 6, 20	7, 13	0.89
AT319	Tarchi, A. Braatz, J. Brunthaler, A. Henkel, C.	IRA NRAO-CV MPIfR MPIfR	H2O versus continuum in the megamaser galaxy 3C403	1.3	21	1.06
AT338	Tarchi, A. Castangia, P. Henkel, C. Menten, K.	IRA-Bologna Cagliari MPIfR MPIfR	Arp299: the first case of H2O and OH megamasers in the same galaxy?	1.3 line	9	10.72
AW675	Warren, B. Bendo, G. Brinks, E. Clements, D. Cote, S. Courteau, S. Frank, I. Wilson, C.	McMaster Imperial College Hertfordshire Imperial College NRC Queen's Leiden McMaster	ToO Obs. of core collapse SN	3.5	1	1.38
AW683	Walter, F. Brinks, E. Skillman, E.	MPIA Hertfordshire Minnesota	A New Population of HI Clouds in the M81 Group	20	2, 3	14.32
AY171	Yun, M. Borthakur, S. Verdes-Montenegro, L.	Massachusetts Massachusetts IAA	Tracing Large Scale Shocks in Three Hickson Compact Groups	6	7	8.30
AY175	Yun, J. Torrelles, J.M.	OAL Catalunya	Diamond ring star	3.6	8	1.91
AY176	Yusef-Zadeh, F. Falcke, H. Menten, K. Reid, M. Genzel, R. Bower, G.C. Cotton, W.D. Wardle, M. Heinke, C. Roberts, D.A.	Northwestern ASTRON MPIfR CfA MPE Calif.-Berkeley NRAO-CV Macquarie Northwestern Northwestern	A Multi-wavelength Observing Campaign to Study SgrA*	0.7, 1.3	1, 2, 3, 4	24.73
AY177	Young, L. Lucero, D. Morganti, R. Oosterloo, T. Sadler, E.	NMIMT NMIMT ASTRON ASTRON Sydney U.	HI Imaging of HIPASS-Selected Elliptical Galaxies	20 line	1	7.72

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
BD121	Dougherty, S. Blomme, R. VanLoos, S. Runacres, M.C. Rauw, G.	NRC Royal Obs Belgium Royal Obs Belgium Vrije Univ. Leige	A rotating wind-collision region in Cyg OB2 No. 97	3.6, 6, 20 Single antenna VLBI	21, 21	2.16
BD122	Dougherty, S. Pittard, J. O'Connor, E. Beasley, A.J. Claussen, M.J.	NRC Leeds UPEI NRAO-Santiago NRAO-Socorro	Wind-collision evolution in WR 140	... Single antenna VLBI	20, 20	2.61
BL150	Loinard, L. Mioduszewski, A.J. Torres, R.M. Rodriguez, L.F.	UNAM NRAO-Socorro UNAM UNAM	A Survey of X-ray and Radio Emitting Young Stars in Taurus	3.6 Phased array VLBI	13, 19, 23, 27	34.99
S80531	Berger, E. Basri, G. Fleming, T. Gelino, C. Giampapa, M. Gizis, J.E. Johns-Krull, C. Liebert, J. Martin, E. Phan-Bao, N. Rutledge, R.R. Sherry, W.	Carnegie Calif.-Berkeley Arizona Caltech NSO Delaware Rice Univ. Arizona Central Florida Central Florida Caltech NOAO	The Full Picture of Magnetic Activity in Ultracool Dwarfs: Simultaneous	3.6, 6	19	8.64
STUD			Students		3, 4	3.85
DYNAMI			Dynamic scheduling			134.0
	Staff	NRAO	Baselines, Pointing, Delays Maintenance Polarization Calibrator Monitoring Software			34.0 61.5 12.0 52.5

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	Actual Hours	Percentage
Astronomy	446.70	71.16
Maintenance	61.50	9.80
Test/Calc	119.53	19.04
Total	627.73	100.00

Average downtime measured in antenna hours was 17.11% of scheduled antenna hours, distributed as:

System	Percentage
Cryogenics	0.43
Dynamic	26.74
EVLA	42.27
Front End	2.55
Interference	0.01
LO/IF	2.08
Mechanical	0.05
Monitor/Control	0.32
Obs. Program	0.35
Other	0.18
Servo	13.71
Site Power	0.46
VLA Computers	0.58
VLA Correlator	1.94
Weather	8.34

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AC841	Cannon, J.M. Rosenberg, J. Salzer, J.	Wesleyan Cfa Wesleyan	Exploring the Properties of Extremely Compact Dwarf Galaxies	20	30	2.99
AC860	Crapci, A. Tafalla, M. Caselli, P. Bourke, T. Myers, P. Walmsley, M.	Leiden OAN Cfa Cfa Cfa Arcetri	The temperature profile in the early stage of star formation	1.3 line	16, 17, 18, 23, 24, 25	56.54
AD554	Dunn, D.E. dePater, I.	Sierra College Calif., Berkeley	More Observations of Saturn's Rings at Moderate Opening Angles.	0.7, 1.3	6, 8	21.63
AD556	Devine, K.E. Chandler, C. Brogan, C.L. Churchwell, E. Indebetouw, R. Shirley, Y.L.	Wisconsin NRAO-Socorro NRAO-CV Wisconsin U. Virginia Arizona	CCS Observations to Complete an IRDC Survey	1.3 line	1, 2, 4	13.38
AE158	Emonts, B. Morganti, R. vanGorkom, J. vanMoorsel, G. Oosterloo, T.	Columbia ASTRON Columbia NRAO-Socorro ASTRON	Neutral hydrogen and the origin of powerful radio galaxies	20 line	16, 18, 18	23.45
AF446	Fey, A. Platais, I. Frey, S. Zacharias, N.	USNO Johns Hopkins SGO USNO	Linking deep astrometric standards to the ICRF	2, 6	29.,31	2.41
AF447	Feretti, L. Allen, S. Gentile, G. Giovannini, G. Govoni, F. Orru, E. Pihlstrom, Y. Taylor, G.	IRA Stanford UNM IRA IRA IRA UNM UNM	Identifying radio halos in the MACS cluster sample	20	9	2.86
AF449	Franco-Hernandez, R. Garay, G. Moran, J. Pineda, J. Rodriguez, L.	Cfa Chile Cfa Cfa UNAM	Ammonia obs. of massive protostar IRAS 16547+4247	1.3	30	1.34
AG715	Gaensler, B.M. Gelfand, J. Taylor, G.B. Kouveliotou, C. Eichler, D. Lyubarsky, Y. Granot, J. Ramirez-Ruiz, E. Wijers, R. Fender, R.P. Garrett, M.A.	Cfa Cfa UNM NASA-MSFC Ben Gurion Univ. Ben Gurion Univ. KIPAC IAS Amsterdam Southampton JIVE	Imaging and monitoring of afterglow of SGR 1806-20	3.6, 6, 20	12	3.40
AH919	Hankins, T. Shearer, A. Sheckard, J. Eilek, J.	NMIMT Galway NMIMT NMIMT	Joint VLA and Integral observations of the Crab Nebula Pulsar	20 Mark 5	19, 20	13.82
AH929	Hewitt, J.W. Yusef-Zadeh, F.	Northwestern Northwestern	Confirming New OH(1720 MHz) Maser-Emitting Supernova Remnants	20 line	20	7.55
AK633	Kneissl, R. Basu, K. Bertoldi, F. Boehringer, H. Menten, K. Nord, M.	Calif., Berkeley MPIfR Bonn MPIfE MPIfR Bonn	SED of radio sources in distant SZ galaxy clusters	1.3, 3.6, 20	30	0.91
AK634	Kulkarni, S. Fox, D. Frail, D.	Caltech Penn State NRAO-Socorro	Long and short radio afterglows in the swift era	0.7, 20	8, 15	1.36
AK640	Kepley, A. Wilcots, E. Robishaw, T. Heiles, C. Zweibel, E.	Madison Wisconsin Calif.-Berkeley Calif.-Berkeley Wisconsin	Magnetic Fields in Irregular Galaxies: NGC 1156 and Holmberg II	3.6, 6	26	6.41

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Progrm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AK646	Kurtz, S. Slysh, V. Hofner, P. Walmsley, C. Val'tts, I.E. Larionov, G. Kalensky, S.V.	UNAM ASC NMIMT Arcetri ASC ASC ASC	The Nature of Class I Methanol Masers	0.7	10, 11, 17	19.76
AK649	Koerding, E Dhawan, V. Fender, R. Knigge, C. Rupen, M.	Southampton NRAO-Socorro Southampton Southampton NRAO-Socorro	Transient jets from hard state cataclysmic variables	3.6	13	1.77
AK651	Krips, M. Neri, R. Peck, A. Beelen, A. Barvainis, R.	Cfa IRAM Cfa Bonn Univ. NSF	Mapping CO(1-0) in the gravitationally lensed BAL QSO SBS1520+530 (z=1.8523)	0.7	22	12.04
AK653	Kurtz, S. Deharveng, L. Zavagno, A. Caplan, J.	UNAM Marseille Marseille Marseille	A Pilot Study of Triggered Star Formation - II	0.7, 1.3 line	11	1.33
AK654	Kurtz, S. Hofner, P. Jordan, E. Loinard, L. Araya, E. Gomez, A.	UNAM NMIMT NMIMT UNAM NMIMT UNAM	Methanol Masers in High Mass Protostellar Objects	0.7 line	22, 30	6.35
AL693	Laing, R. Bridle, A.	ESO-Garching NRAO-CV	Kinematics and dynamics of the relativistic jets in 3C 270 and NGC 193	6	11, 17	3.47
AMB62	Monnier, J.D. Tuthill, P.G. Danchi, W. Greenhill, L.	Michigan Sydney U. NASA-GSFC Cfa	Monitoring the colliding wind WR 112	3.6	5	1.37
AMB80	Meier, D.S. Turner, J. Schinnerer, E.	NRAO-Socorro Calif.-Los Angeles MPIA	Mapping the Dense Star Forming Cores in M 51	0.7	6, 10, 12, 21	21.21
AMB81	Marti, J. Combi, J. Luque-Escamilla, P. Munoz-Arjonilla, A. Perez-Ramirez, D. Garrido, J.	Jaen Jaen Jaen Jaen Jaen Jaen	The radio/X-ray star LS5007: solving its nature through VLA observations	2, 3.6, 6, 20	15	1.72
AMB90	Morata, O. Garrod, R. Girart, J.M.	LAEFF Ohio IEEC	High angular resolution ammonia obs. of cores in HH43 and LDN 673	1.3	9, 10	5.53
AMB98	Marrone, D. Sharp, M. Carlstrom, J.E. Greer, C. Hennessy, R. Joy, M. Leitch, E.M. Loh, M. Miller, A. Mroczkowski, T. Muchovej, S. Pryke, C. Woody, D.	Chicago Chicago Chicago Chicago Chicago NASA-MSFC Caltech Chicago Columbia Columbia Columbia Chicago Caltech	VLA Observations of Radio Source Contamination in the SZA Cluster Survey	6	2	31.52
AM910	Macquart, J.-P. Chandra, P. Frail, D.A. Kulkarni, S. Soderberg, A.	NRAO-Socorro Virginia NRAO-Socorro Caltech Caltech	Interstellar scintillation obs. of extremely high GRB 070125	1.3, 2, 3.6	1,13,15,21,23,25	6.80
AP519	Pety, J. Liszt, H. Teyssier, D. Goicoechea, J. Gerin, M. Hily-Blant, P. Roueff, E.	IRAM NRAO-CV ESA Obs. de Paris Obs. de Paris IRAM Obs. de Paris	Benchmarking PDR models against the Horsehead edge: Thermal structure	1.3 line	24, 25	10.97
AP520	Perez-Torres, M.A. Montes, G. Alberdi, A. Contreras, M.E.	IAA UNAM IAA UNAM	A Search for Radio Emission from the Winds of Early-type Binary Stars	3.6	27, 27	3.65

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AP524	Plotkin, R. Anderson, S. Collinge, M. Jones, D. Strauss, M. Voges, W.	Washington Washington Princeton JPL Princeton MPIfE	Expanding the search for radio quiet and radio weak BL Lacs	3.6	30	2.35
AP525	Palau, A. Estalella, R.	Barcelona Barcelona	Young star driving a cavity of swept up material in IRAS 2043+4129	1.3	26	0.85
AQ016	Qiu, K. Lee, C-F. Shang, H. Zhang, Q.	CfA CfA ASIAA CfA	Catching Them Young: Evolution of Youngest Protostellar Outflows	0.7 line	12, 15	6.65
AR601	Riechers, D. Walter, F. Weiss, A. Carilli, C. Bertoldi, F.	MPIA MPIA MPIfR NRAO-Socorro Bonn Univ.	Search for CO(1-0) emission in the z=4.4 QSO BRI 1335-0417	1.3 line	24	6.46
AR603	Rupen, M. Dhawan, V. Mioduszewski, A.	NRAO-Socorro NRAO-Socorro NRAO-Socorro	VLA Monitoring of and triggered response to X-ray binaries, transients, and related sources	0.7, 20	5,16,17,19,2 1,26	8.83
AR610	Riechers, D. Walter, F. Carilli, C. Weiss, A. Bertoldi, F.	MPIA MPIA NRAO-Socorro MPIfR Bonn Univ.	Carbon Sulfide, a New Tracer of High-Density Molecular Gas at High z	0.7	7, 10, 14	19.97
AR616	Rudnick, L.	Minnesota	Probing high and low density environments with radio source pairs	20	2,7,8,17	3.76
AR624	Riechers, D. Walter, F. Carilli, C. Weiss, A. Bertoldi, F.	MPIA MPIA NRAO-Socorro MPIfR Bonn Univ.	ISM Chemistry at Redshift 2.6: The Search for HNC emission	1.3 line	25, 26, 27, 28	26.39
AS887	Soderberg, A. Chevalier, R. Frail, D. Kulkarni, S.	Caltech Virginia NRAO-Socorro Caltech	Toward an understanding of the progenitors of Type Ibc SN	3.6	2,10,29	1.89
AS892	Soida, M.	Jagiellonian	Interacting galaxies - source of cosmic magnetic fields	6, 20	11,19,29	3.05
AS896	Sanchez-Monge, A. Estalella, R. Palau, A.	Barcelona Barcelona Barcelona	In search of dust emission around deeply embedded UCHII regions	0.7	4,6	2.43
AS909	Sokoloski, J.	Columbia	Radio flux monitoring of CH Cygni	20	1,2,5,12,24, 26	3.67
AT346	Tremblay, S. Taylor, G.	UNM UNM	Confirming large-scale emission from CSO J11584+2450	20	8	0.33
AV290	vanGorkom, J. Mulchaey, J. Zabludoff, A. Wilcots, E.	Columbia Carnegie Obs. Arizona Wisconsin	A complete baryon census in a nearby galaxy group	20 line	1, 4, 5, 9	35.34
AW675	Weiler, K. Immler, S. Lewin, W. Marcaide, J. Panagia, N. Pooley, D. Ryder, S. Sramek, R. Stockdale, C. VanDyk, S.	NRL NASA MIT Valencia STScI Calif., Berkeley AAO NRAO-Socorro Marquette Caltech	Core collapse SN	1.3, 2, 6, 20, 90	1,18,30	3.48
AW696	Willson, R.F.	Tufts	Collaborative VLA Investigations of Magnetic Reconnection Models of Solar Flares	3.6, 6	2, 4, 5	9.64
AW701	Warren, B. Bendo, G. Brinks, E. Clelments, D. Cote, S. Courteau, S. Frank, I. Wilson, C.	McMaster Imperial Hertfordshire Imperial NRC Queens Univ. Leiden McMaster	Probing the cold ISM in the local universe	20	1,5,11,21,26 ,27,30	14.19
AY177	Young, L. Lucero, D. Morganti, R. Oosterloo, T. Sadler, E.	NMIMT NMIMT ASTRON ASTRON Sydney U.	HI Imaging of HIPASS-Selected Elliptical Galaxies	20 line	30, 30	19.53

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
BC170	Creel, B. Claussen, M. Pihlstrom, Y. Sahai, R.	UNM NRAO-Socorro UNM JPL	Parallax measurements of protoplanetary and young planetary nebulae	1.3, 3.6	12	0.46
BR123	Richter, L. Kemball, A.J.	Rhodes Univ. Univ. Illinois	Unique observational constraints on SiO maser polarization and pumping th	0.7 Single antenna VLBI	16, 15, 16, 17, 18	2.72
S80205	Halpern, J. Gotthelf, E. Helfand, D. Zimmerman, N.	Columbia Columbia Columbia Columbia	New Developments from the Transient AXP XTE J1810-197	3.6, 6, 20	17	0.95
S80576	Forman, W. Sun, M. Baum, S. O'Dea, C. Jones, C.	CfA Michigan Rochester Rochester Colorado	Interaction of AGN Outbursts with their Environments	6	9	3.41
DYNAMI			Dynamic scheduling			111.1
	Staff	NRAO	Baselines, Pointing, Delays Maintenance Polarization Calibrator Monitoring Software General tests		29	34.0 62.0 12.0 66.0 6.0

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	Actual Hours	Percentage
Astronomy	462.25	69.25
Maintenance	62.00	9.29
Test/Calc	143.28	21.46
Total	667.53	100.00

Average downtime measured in antenna hours was 14.19% of scheduled antenna hours, distributed as:

System	Percentage
Cryogenics	1.05
Dynamic	15.25
EVLA	64.20
FOC/ROT	3.78
Front End	3.70
Interference	2.41
LO/IF	2.20
Mechanical	0.20
Monitor/Control	3.32
Obs. Program	0.53
Other	0.51
Servo	0.73
VLA Computers	1.73
VLA Correlator	0.38

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AA309	Araya, E. Hofner, P. Goss, W.M. Kurtz, S. Linz, H. Olmi, L.	NMIMT NMIMT NRAO-Socorro UNAM MPIA CNR	High Spectral Resolution Observations of Two Newly Discovered H2CO Maser Lines	6 line	16	5.31
AB1215	BenBekhti, N. Richter, P. Westmeier, T.	Bonn IAEF RAIUB	HVC and IVC gas in the halo of the Milky Way	20	3, 5, 8	20.98
AB1232	Baker, A. Chandler, C. Lehnert, M.D. Garcia-Burillo, S.	Rutgers NRAO-Socorro MPE Obs. National	SiO(1-0) in M82: A New View of Galactic Feedback	0.7 line	18, 19, 20, 22, 23	44.02
AD554	Dunn, D.E. dePater, I.	Sierra College Calif.-Berkeley	More Observations of Saturn's Rings at Moderate Opening Angles.	2	1	7.72
AD556	Devine, K.E. Chandler, C. Brogan, C.L. Churchwell, E. Indebetouw, R. Shirley, Y.L.	Wisconsin NRAO-Socorro NRAO-CV Wisconsin U. Virginia Arizona	CCS Observations to Complete an IRDC Survey	1.3 line	...	31.86
AE160	Eyres, S. Bode, M. O'Brien, T. Evans, N. Muxlow, T. Davis, R. Porcas, R.	Central Lancashire John Moores Jodrell Bank Texas Jodrell Bank Jodrell Bank MPIFR	Monitoring observations of RS Oph in decline	1.3, 2, 6, 20 EXPLORE	3, 11, 28	4.95
AF443	Friesen, R. DiFrancesco, J. Johnstone, D.	Victoria Herzberg Herzberg	Probing the initial conditions of star formation in Ophiuchus	1.3	3, 5, 6, 9, 10, 11	27.35
AH923	Hewitt, J.W. Yusef-Zadeh, F.	Northwestern Northwestern	The Nature of Extended OH(1720 MHz) Maser Emission Toward Supernova Remnants	20	1	3.23
AH926	Hollis, M. Remijan, A. Lovas, F.J. Jewell, P.R.	NASA NRAO-CV NIST NRAO-GB	The Spatial Distribution of HNCNH ? A Suspected Weak Maser Toward SgrB2(N-LMH)	6 line	8	3.69
AK619	Kanekar, N. Carilli, C. Stoche, J.	NRAO-Socorro NRAO-Socorro Colorado	Measuring 43 GHz flux densities of a radio-selected complete sample	0.7	3	0.84
AK634	Kulkarni, S. Fox, D. Frail, D.	Caltech Penn State NRAO-Socorro	Long and short of radio afterglows in Swift Era		2,5,6,24,25, 28	9.78
AK640	Kepley, A. Wilcots, E. Robishaw, T. Heiles, C. Zweibel, E.	Madison Wisconsin Calif.-Berkeley Calif.-Berkeley Wisconsin	Magnetic Fields in Irregular Galaxies: NGC 1156 and Holmberg II	3.6, 6	17, 18, 19	19.76
AM892	Meier, D.S. Remijan, A. Turner, J.	NRAO-Socorro NRAO-CV Calif.-Los Angeles	Mapping Shocked Molecular Gas in the "Antennae"	0.7 line	17, 21, 26	19.03
AM895	Maletic, D. Spekkens, K.	Rutgers Rutgers/NRAO	Isolated Interacting Systems and the Search for Dark Galaxies	20 line	2, 10, 11	16.23
AM898	Marrone, D. Sharp, M. Carlstrom, J.E. Greer, C. Hennessy, R. Joy, M. Leitch, E.M. Loh, M. Miller, A. Mroczkowski, T. Muchovej, S. Pryke, C. Woody, D.	Chicago Chicago Chicago Chicago Chicago NASA-MSFC Caltech Chicago Columbia Columbia Columbia Chicago Caltech	VLA Observations of Radio Source Contamination in the SZA Cluster Survey	6	24, 24	49.38
AM910	Macquart, J.-P. Chandra, P. Frail, D. Kulkarni, S. Soderberg, A.	NRAO-Socorro Virginia NRAO-Socorro Caltech Caltech	Interstellar scintillation obs. of extremely bright GRB 070125		7-18,21-23,2 5,27	4.71
AR603	Rupen, M. Dhawan, V. Mioduszewski, A.	NRAO-Socorro NRAO-Socorro NRAO-Socorro	Monitoring of and triggered response to X-ray binaries, transients, and related sources		8,10	1.64

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AR616	Rudnick, L. Jones, C. Leonard, K.	Minnesota Boulder Minnesota	Probing high and low density environments with radio source pairs	20	4,5,10,12,14,23,24	6.81
AS887	Soderberg, A. Chevalier, R. Frail, D. Kulkarni, S.	Caltech Virginia NRAO-Socorro Caltech	Toward an understanding of progenitors of Type Ibc SN		4,8,10,11,17,23	4.76
AS892	Soida, M.	Jagiellonian	Interacting galaxies - source of cosmic magnetic fields	6, 20	17-19	2.04
AS896	Sanchez-Monge, A. Estalella, R. Palau, A.	Barcelona Barcelona Barcelona	In search of dust emission around deeply embedded UCHII regions	0.7	25	1.28
AT331	Testi, L. Stelzer, B.	Arcetri Palermo	Centimeter continuum emission in Herbig Ae/Be stars	2, 1.3, 6	5,14	2.18
AV290	vanGorkom, J. Mulchaey, J. Zabludoff, A. Wilcots, E.	Columbia Carnegie Obs. Arizona Wisconsin	A complete baryon census in a nearby galaxy group	20 line	27	8.57
AW701	Warren, B. Bendo, G. Brinks, E. Clements, D. Cote, S. Courteau, S. Frank, I. Wilson, C.	McMaster Imperial Hertfordshire Imperial Herzberg Queen's Leiden McMaster	Probing the cold ISM in the local universe	20	14,16,25	3.91
AY177	Young, L. Lucero, D. Morganti, R. Oosterloo, T. Sadler, E.	NMIMT NMIMT ASTRON ASTRON Sydney U.	HI Imaging of HIPASS-Selected Elliptical Galaxies	20 line	...	50.93
AZ171	Zijlstra, A. Hajduk, M. vanHoof, P. Eyres, S.P. Herwig, F. Evans, N. Kimeswenger, S.	Manchester Torun Brussels Central Lancashire LANL Keele Univ. of Innsbruck	The rapid radio evolution of Sakurai's object	1.3, 2, 3.6, 6	2	4.48
BC170	Creel, B. Claussen, M. Pihlstrom, Y. Sahai, R.	UNM NRAO-Socorro UNM JPL	Parallax measurements of proto-planetary and young planetary nebulae	1.3, 3.6	19,21,23	3.49
BG162	Granot, J. Ramirez-Ruiz, E. Taylor, G.B. Stockdale, C.J. VanDyk, S.D. Weiler, K. Sramek, R. Panagia, N. Kelley, M.	KIPAC IAS UNM Marquette Univ. Caltech-IPAC NRL NRAO-Socorro STScI Cornell	Proper motion of type Ib/c SN 2001em	3.6 Phased array VLBI	4	9.47
BG169	Greenhill, L.J. Braatz, J.A. Henkel, C. Kuiper, T. Jauncey, D. Lovell, J.E.J. Madejski, G. Moran, J. Peck, A. Wilson, A.	Cfa NRAO-GB MPIFR JPL ATNF ATNF NASA-GSFC Cfa Cfa Maryland	Mapping the accretion disks in the IC2560 and NGC3393 AGN	1.3 Phased array VLBI	1	8.97
BL150	Loinard, L. Mioduszewski, A.J. Torres, R.M. Rodriguez, L.F.	UNAM NRAO-Socorro UNAM UNAM	A Survey of X-ray and Radio Emitting Young Stars in Taurus	3.6 Phased array VLBI	9	12.01
BM253	Momjian, E. Knudsen, K.K. Carilli, C. Wang, W.-H.	Arecibo MPIA NRAO-Socorro NRAO-Socorro	Compact Radio Emission of the Luminous SMG GOODS 850-3 at z=1.8	20 Phased array VLBI	12	8.27
S80205	Halpern, J. Gotthelf, E. Helfand, D. Zimmerman, N.	Columbia Columbia Columbia Columbia	New Developments from the Transient AXP XTE J1810-197	3.6, 6, 20	17	1.0
DYNAMI			Dynamic scheduling			110.3

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
STUD			Student Observations		18	2.46
	Staff	NRAO	Baselines, Pointing, Delays			34.0
			Maintenance			62.0
			Polarization Calibrator Monitoring			12.0
			Software			51.5

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	Actual Hours	Percentage
Astronomy	437.13	71.93
Maintenance	37.00	6.09
Test/Calc	133.55	21.98
Total	607.68	100.00

Average downtime measured in antenna hours was 12.79% of scheduled antenna hours, distributed as:

System	Percentage
Antenna Pads	0.59
Cryogenics	0.48
Dynamic	8.89
Electrical	0.25
EVLA	68.35
FOC/ROT	2.77
Front End	2.65
HVAC	0.05
Interference	1.75
LO/IF	1.84
Mechanical	0.35
Obs. Program	1.63
Other	0.30
Servo	0.79
Site Power	0.12
VLA Computers	2.48
Weather	6.72

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AC856	Claussen, M. Fish, V. Pihlstrom, Y. Sjouwerman, L. Zschaechner, L.	NRAO-Socorro NRAO-Socorro UNM NRAO-Socorro Montana	Excited State OH Emission from Mira Variable AU Geminorum	20	25	3.4
AD530	DeLaney, T. Kassim, N.E. Gaensler, B.M.	CFA NRL CFA	Spectral index imaging of SN 1006	90, 400	27	2.81
AE160	Eyres, S. Bode, M. O'Brien, T. Evans, N. Muxlow, T. Davis, R. Porcas, R.	Central Lancashire John Moores Jodrell Bank Texas Jodrell Bank Jodrell Bank MPIfR	Monitoring observations of RS Oph in decline	1.3, 2, 6, 20 EXPLORE	5, 6, 18	5.13
AF443	Friesen, R. DiFrancesco, J. Johnstone, D.	Victoria Herzberg Hertzberg	Probing the initial conditions of star formation in Ophiuchus	1.3	23, 25, 30	13.11
AG715	Gaensler, B.M. Gelfand, J. Taylor, G.B. Kouveliotou, C. Eichler, D. Lyubarsky, Y. Granot, J. Ramirez-Ruiz, E. Wijers, R. Fender, R.P. Garrett, M.A.	Cfa Cfa UNM NASA-MSFC Ben Gurion Univ. Ben Gurion Univ. KIPAC IAS Amsterdam Southampton JIVE	Imaging and monitoring of afterglow of SGR 1806-20	3.6, 6, 20	14	4.49
AG725	Gao, Y. Carilli, C. Wang, J. Liu, F.	Purple Mountain NRAO-Socorro Cfa Purple Mountain Obs.	CS(1-0) emission in ultraluminous infrared galaxies	0.7	14, 15, 15	7.67
AG732	Goddi, C. Cesaroni, R. Codella, C. Moscadelli, L. Beltran, M.T.	Arcetri Arcetri CNR-Roma Cagliari Barcelona	Observations of the H66alpha recombination line in the HC HII region G24 A1	1.3	2	1.90
AH913	Helfand, D. Becker, R. White, R.	Columbia Calif.-Davis STScI	MAGPIS: A multi-array Galactic Plane imaging survey	20	5	7.68
AH923	Hewitt, J.W. Yusef-Zadeh, F.	Northwestern Northwestern	the Nature of Extended OH(1720 MHz) Maser Emission Toward Supernova Remnants	20	27	5.79
AH934	Hallinan, G. Antonova, A. Doyle, J.G. Lane, C. Bourke, S. Brisken, W. Golden, A.	NUI, Galway Armagh Armagh Galway NUI NRAO-Socorro Ireland-Galway	Pulsing Ultracool Dwarfs	3.6, 6	19, 20, 21, 22, 26	52.16
AK619	Kanekar, N. Carilli, C. Stoche, J.	NRAO-Socorro NRAO-Socorro Colorado	Measuring 43 GHz flux densities of radio selected complete sample	0.7	27,29,30	2.51
AK634	Kulkarni, S. Fox, D. Frail, D.	Caltech Penn State NRAO-Socorro	Long and short radio afterglows in the swift era	0.7, 20	9,11,12,13,2 9,30,31	17.59
AK642	Krejny, M. Marrone, D. Novak, G. Shinnaga, H. Yusef-Zadeh, F.	Northwestern Cfa Northwestern Caltech Northwestern	Probing grain size in TTS disks via multi-wavelength polimetry	0.7	3	3.41
AL678	Lim, J. Fukagawa, M. Ohashi, N. Lin, S-Y.	Academia Sinica Caltech-IPAC ASIAA ASIAA	Protoplanetary Disk of the Bright Herbig Ae Star Elias 3-1	0.7, 3.6, 6	1	5.37
AL679	Lang, C. Lazio, T.J.W. Golap, K.	Univ. Iowa NRL NRAO-Socorro	The Galactic Center Magnetic Environment: A 4.9 GHz Polarimetric Survey	6	7, 13, 20, 21	4.06
AM874	Mundell, C. Dumas, G. Haan, S. Schinnerer, E. Wilcots, E. Wilson, A.	JMU JMU MPIfR MPIfR Wisconsin Maryland	HI Imaging survey of Seyfert galaxies - what makes galaxies active?	20	2,4,9,11,13, 14,16	6.32

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AM880	Meier, D.S. Turner, J. Schinnerer, E.	NRAO-Socorro Calif.-Los Angeles MPIA	Mapping the Dense Star Forming Cores in M 51	0.7	2, 6	7.54
AM897	Masque, J. Estalella, R. Girart, J.M.	Barcelona Barcelona Barcelona	NH3 observations from a collapsing dense core depleted in other molecules	1.3 line	31	3.70
AO201	Owen, F. Morrison, G. Lonsdale, C.J. Eilek, J. Smith, G. Polletta, M.	NRAO-Socorro Hawaii-Ifa Caltech-IPAC NMIMT Calif.-San Diego Calif., San Diego	Imaging the SWIRE Deep Field at 90cm	90	4, 5	6.82
AO214	Osten, R. Phan-Bao, N. Martin, E.	Maryland Central Florida Central Florida	Sleuthing radio emission in very low mass stars and brown dwarfs	3.6, 6, 20	12	9.77
AP501	Perlman, E. Landt, H. Padovani, P. Giommi, P.	Maryland-Baltimore CfA ESO Rome Obs.	Structure of radio quasars with synchrotron peaks in the UV or X-ray	20	14	18.28
AR601	Riechers, D. Walter, F. Weiss, A. Carilli, C. Bertoldi, F.	MPIA MPIA MPIfr NRAO-Socorro Bonn Univ.	Search for CO(1-0) emission in the z=4.4 QSO BRI 1335-0417	1.3 line	3, 9, 16	12.48
AR603	Rupen, M. Dhawan, V. Mioduszewski, A.	NRAO-Socorro NRAO-Socorro NRAO-Socorro	VLA Monitoring of and triggered response to, X-ray binaries, transients, and related sources	0.7, 20	6,19,23,25,26,27,28	14.80
AR608	Rand, R. Meidt, S. Benjamin, R.	UNM New Mexico Wisconsin-Whitewater	Search for an HI halo in NGC 5746	20	7, 8, 12, 13	32.59
AR616	Rudnick, L. Jones, C. Leonard, K.	Minnesota Colorado Minnesota	Probing high and low density environments with radio source pairs	20	17,19,28,30-31	6.51
AR625	Ryan-Weber, E. Putman, M. Werk, J. Meurer, G.	Cambridge Michigan Michigan Montreal	New stars near ESO 481-G017: outer disk or intergalactic?	20 line	28	7.08
AS887	Soderberg, A. Chevalier, R. Frail, D. Kulkarni, S.	Caltech Virginia NRAO-Socorro Caltech	Toward an understanding of the progenitors of Type Ibc supernovae	3.6	13,14,15,16,17,18,20,21	16.11
AT331	Testi, L. Stelzer, B.	Arcetri Palermo	Centimeter continuum emission in Herbig Ae/Be stars	1.3, 3.6, 6	6, 6, 7	15.03
AU111	Umana, G. DeZotti, G. Partridge, B. Trigilio, C.	INAF INAF Haverford INAF	Q-band polarization of sample of WMAP sources	0.7, 3.6	5	3.48
AU116	Ulvestad, J. Greene, J. Ho, L.	NRAO-Socorro Harvard Carnegie	Confirmation of radio emission from globular cluster G1 in M31	6	13,14	8.44
AW693	Willott, C. Martinez-Sansigre, A. Rawlings, S.	Hertzberg-Victoria Oxford Oxford	High resolution molecular gas imaging in the dust-reddened quasar 3C318	0.7	2, 4, 11	15.62
AW701	Warren, B. Bendo, G. Brinks, E. Clements, D. Cote, S. Courteau, S. Frank, I. Wilson, C.	McMaster Imperial Hertfordshire Imperial College NRC Queens Univ. Leiden McMaster	Probing the cold ISM in the local universe	20	30	1.33
AY177	Young, L. Lucero, D. Morganti, R. Oosterloo, T. Sadler, E.	NMIMT NMIMT ASTRON ASTRON Sydney U.	HI Imaging of HIPASS-Selected Elliptical Galaxies	20 line	29	6.97
AZ171	Zijlstra, A. Hajduk, M. vanHoof, P. Eyres, S.P. Herwig, F. Evans, N. Kimeswenger, S.	Manchester UMIST Queens-Belfast Central Lancashire Los Alamos Texas Univ. of Innsbruck	The rapid radio evolution of Sakurai's object	1.3, 2, 3.6, 6	28	4.02

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AZ172	Zuckerman, B. Palmer, P.	Calif., Los Angeles Chicago	Radio emission from BP Psc?	3.6	28	0.91
BB229	Brunthaler, A. Reid, M. Henkel, C. Menten, K. Bower, G.C. Falcke, H.	MPIfR Cfa MPIfR MPIfR Calif.-Berkeley ASTRON	Measuring the orbits of M81 and M82	1.3, 2, 3.6 Phased array VLBI	27	10.54
BG169	Greenhill, L.J. Braatz, J.A. Henkel, C. Kuiper, T. Jauncey, D. Lovell, J.E.J. Madejski, G. Moran, J. Peck, A. Wilson, A.	Cfa NRAO-GB MPIfR JPL ATNF ATNF NASA-GSFC Cfa Cfa Maryland	Mapping the accretion disks in the IC2560 and NGC3393 AGN	1.3 Phased array VLBI	23, 30, 31	16.64
BM257	McClintock, J. Dhwawan, V. Narayan, R. Reid, M. Remillard, R.	Cfa NRAO-Socorro Cfa Cfa MIT	Is the black hole in the microquasar GRS1915+105 spinning maximally?	1.3	16	1.32
S70601	Forman, W.R. Jones, C. Charasov, E. Eilek, J. Owen, F.	Cfa Cfa MPA NMIMT NRAO-Socorro	Chandra/VLA observations of galaxy IC 1262	90	11	1.51
S80205	Halpern, J. McClintock, J. Dhwawan, V. Gotthelf, E. Narayan, R. Reid, M. Remillard, R. Helfand, D. Zimmerman, N.	Columbia Cfa NRAO-Socorro Columbia Cfa Cfa MIT Columbia Columbia	New Developments from the Transient AXP XTE J1810-197	3.6, 6, 20	19	.96
	Staff	NRAO	Baselines, Pointing, Delays Dynamic scheduling Maintenance Polarization Calibrator Monitoring New Years Shutdown Software Student Observations		1 19, 31	43.0 220.5 71.5 15.0 16.1 57.5 2.38

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	Actual Hours	Percentage
Astronomy	368.26	59.85
Maintenance	71.50	11.62
Test/Calc	153.06	24.87
Shutdown	22.50	3.66
Total	615.32	100.00

Average downtime measured in antenna hours was 25.89% of scheduled antenna hours, distributed as:

System	Percentage
Antenna Pads	0.21
Cryogenics	1.23
Dynamic	53.47
EVLA	32.64
FOC/ROT	0.10
Front End	0.34
Interference	0.08
LO/IF	0.34
Obs. Program	0.61
Other	0.26
Servo	1.92
Site Power	0.12
VLA Computers	0.07
VLA Correlator	3.92
Weather	4.69