

VLA Utilization Report December 2009

Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AA328	Araya, E. Hofner, P. van der Walt, J. Goedhart, S. Menten, K. Kurtz, S. Lizano, S.	NMIMT NMIMT North-West Univ. Hartebeesthoek MPIFR UNAM UNAM	Periodic Maser Flares: A New Probe of Massive Star Formation	1.3, 6	23	2.12
AB1332	Bagchi, J.	IUCAA	Probing the collimation and polarization of a highly unusual giant radio jet	3.6, 6	30	5.78
AB1333	Jackson, N. Battye, R. Browne, I. Gabuzda, D. Taylor, A.	Manchester Manchester Manchester Cork Oxford	Polarization of faint flat-spectrum sources and CMB polarized foregrounds	1.3, 3.6	6	1.67
AC938	Chevalier, R. Chugai, N. Fransson, C. Soderberg, A.	UVA Inst. of Astronomy Stockholm Princeton	Exploring the mysterious Type IIin SN within 150 Mpc	3.6	7,9,12,17,18,26	3.78
AD606	Daddi, E. Boumaud, F. Carilli, C. Dannerbauer, H. Dickinson, M. Elbaz, D. Krips, M. Onodera, M. Riechers, D. Stern, D. Walter, F.	CEA CEA NRAO MPIFA NOAO CEA CfA CEA CEA Caltech JPL MPIFA	Molecular gas tomography of a z=1.5 massive spiral galaxy	0.7	13	2.47
AD609	Dubner, G. Acero, F. Castelletti, G. Giacani, E. Terrier, R.	IAFE LPTA IAFE IAFE CEA	Imaging the recently discovered gamma-ray SNR G353.6-0.7/HESSJ1731-347	20	31	1.17
AD613	DiPompeo, M. Bhattacharjee, A. Brotherton, M. DeBreuck, C. Ganguly, R.	Wyoming Wyoming Wyoming ESO Wyoming	Reorienting our perspective of broad absorption line quasars	6	28,29	0.79
AD614	Dowell, J. van Zee, L.	Indiana Indiana	Deciphering the Nature of Unusually Extended Galactic Disks	20 line	4	6.79
AD623	Datta, A. Roy, N.	NMIMT NRAO	Search for radio emission from Nova Eridanus	6	28	0.77
AG824	Garland, C. Castander, F. Gallego, J. Guzman, R. Pisano, D.J.	Castleton Catalunya Florida Florida West Virginia Univ.	Neutral hydrogen mapping of optically isolated luminous compact blue galaxies	20	1,2,3,5,6,7,8,9,13	27.21
A1134	Ibata, R.	Strasbourg	Deep imaging of the gaseous halo of NGC 2683	20 line	26	8.53
A1137	Ivison, R. Baker, A. Edge, A. Hainline, L. Harris, A. Smail, I. Swinbank, M.	Edinburgh Rutgers Durham Maryland Maryland Durham Durham	Radio properties of the brightest high-z sub-mm galaxy	0.9	1,6	1.49
AJ359	Jaeger, T. Mutel, R.	Iowa Iowa	The Radio EVLA Search for UHE Neutrinos	20 LARGE	3	10.88
AK718	Kulkarni, S. Cenko, B. Chandra, P. Fox, D. Frail, D. Harrison, F. Kasliwal, M.	Caltech Caltech NRAO Penn State NRAO Caltech Caltech	GRB Engines and Energetics	3.6	13,18,24	2.44
AM1001	Matthews, L.D. Libert, Y. Gerard, E. Le Bertre, T.	Haystack Paris Obs. Paris Obs. Paris Obs.	HI Imaging of Circumstellar Envelopes	20 line	5, 7, 30	14.72
AM1002	Marvil, J. Owen, F. Eilek, J.	NMIMT NRAO-Socorro NMIMT	How do star-forming galaxies stay so young?	0.9	19	6.19

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AM991	Miller-Jones, J. Fender, R. Heinz, S. Koerding, E. Maitra, D. Migliari, S. Remillard, R. Rupen, M. Russell, D. Sarazin, C. Sivakoff, G.	NRAO Southampton Wisconsin CEA Amsterdam Calif., San Diego UMASS NRAO Amsterdam UVA UVA	Probing jet acceleration and collimation in stellar-mass compact objects	6,20	6,8,26,27	2.90
AO256	Ofek, E. Chandra, P. Frail, D. Kulkarni, S. Quimby, R.	Caltech RMCC NRAO Caltech Caltech	PTF09cnd-A pulsational pair instability SN powered by ejecta interaction	6,20	18,20,26	2.27
AP570	Partridge, R.B. Sajina, A. Burke, S. Lahteenmaki, A. Myers, S. Torniainen, I. Tornikoski, M. Valtaoja, E.	Haverford Haverford Swinburne Kurp NRAO Kurp Kurp Turku	Low frequency spectra of radio sources detected by the Planck Satellite	6,20	11	1.66
AP572	Pihlstrom, Y. Fish, V. Sjouwerman, L.	UNM Haystack NRAO	36.2 and 44.1 GHz methanolmasers in SNR shock regions	0.9	26	1.24
AR690	Rottgering, H. van Weeren, R.	Leiden Leiden	Towards the First Sample of Giant Peripheral Radio Relics	20	27	3.88
AR692	Carilli, C. Momjian, E. Riechers, D. Wagg, J. Walter, F. Weiss, A.	NRAO NRAO Caltech NRAO MPIFA MPIFR	Dense gas excitation in nuclear starbursts at Redshift 4	0.9	2	1.55
AR693	Riechers, D. Daddi, E. Carilli, C. Dannerbauer, H. Walter, F. Morrison, G. Krips, M. Dickinson, M. Elbaz, D.	Caltech CEA NRAO-Socorro MPIA MPIA Hawaii-CFHT Cfa NOAO CEA-Saclay	Total Molecular Gas Masses of $z > 4$ Submillimeter Galaxies	1.3 line	31	6.32
AR699	Reynolds, C. O'Dea, C. Punsly, B. Wrobel, J.	Curtin Rochester Emerald NRAO	High frequency flares in Mrk 231	1.3	6,9,15,24,28	2.01
AR700	Riechers, D. Bertoldi, F. Carilli, C. Momjian, E. VandenBout, P. Walter, F. Wang, R. Weiss, A.	Caltech Bonn NRAO NRAO NRAO MPIFA Peking MPIFR	Total molecular gas masses of $z > 2$ quasar host galaxies	0.9	9	3.02
AR701	Riechers, D. Carilli, C. Walter, F.	Caltech NRAO-Socorro MPIA	Total Molecular Gas Masses of "Normal" Star-Forming Galaxies at $z \sim 3$	0.9 line	4, 11, 12, 24, 28	29.98
AR712	Rivilla, V. Chandler, C. Jimenez-Serra, I. Martin-Pintado, J. Rodriguez-Franco, A.	NRAO NRAO Leeds CSIC CSIC	Nascent HII region in Orion hot core?	1.3	22	0.85
AS1023	Sokoloski, J. Rupen, M. Weston, J.	Columbia NRAO Columbia	High state of the jet-producing white dwarf in CH Cygni	6,20	6	1.65

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AS962	Stockdale, C. Immler, S. Marcaide, J. Panagia, N. Pooley, D. Sramek, D. VanDyk, S. Weiler, K. Williams, C. Ryder, S.	Marquette NASA Valencia STScI Wisconsin NRAO Spitzer NRL MIT AAO	ToO Obs. of Core Collapse SN (Type II)	1.3, 3.6	9	9.20
AS983	Soderberg, A. Bartel, N. Bietenholz, M. Chevalier, R. Fransson, C.	Princeton York York UVa Stockholm	Revealing the progenitors of SNe Ibc and the Nature of the GRB-SN Connection	3.6	22	0.43
AS992	Sjouerman, L. Araya, E. Fish, V. Pihlstrom, Y.	NRAO NRAO Haystack UNM	6.7 GHz methanol masers in M31	6	5,6,8,9,11,13,15,18,23,24,27,28,29,31	16.91
AV314	Vollmer, B. Soida, M. Urbanik, M. Beck, R. Chyzy, K.T. Otmianowska-Mazur, K. Kenney, J. van Gorkom, J. Chung, A. Wezgowiec, M.	Strasbourg Jagiellonian Jagiellonian MPIfR Jagiellonian Jagiellonian Yale University Columbia NRAO-Socorro Jagiellonian	Ram pressure diagnostics using polarized emission II	6 LARGE	...	82.60
AV315	van Moorsel, G. Sparke, L.	NRAO-Socorro Wisconsin	Tracing HI filaments from two gas-rich polar rings in galaxy groups	20 line	16, 21, 29, 29	23.85
AY196	Young, L. Alatalo, K. Blitz, L. Bureau, M. Cappellari, M. Davis, T. Emsellem, E. Krajinovic, D. McDermid, R.	NMIMT Calif., Berkeley Calif., Berkeley Oxford Oxford Oxford ESO Oxford NOAO	AGN feedback+the molecular outflow in NGC1266	1.3	24,29	4.77
AY202	Yan, T. Carilli, C. Darling, J. Momjian, E. Stoeckle, J.	Colorado NRAO Colorado NRAO Colorado	Confirming the z~0.3 HI absorption in PKS 0859+032	20	28	0.83
AZ185	Zijlstra, A. Karakas, A. van Hoof, P.	Manchester Australian Nat'l U. Brussels	The production of 3He in planetary nebulae progenitors	3.6 line	...	59.23
BB261	Braatz, J.A. Condon, J.J. Greenhill, L.J. Henkel, C. Lo, K.Y. Reid, M.J. Kuo, C. Zaw, I. Tilak, A. Hao, L. Lah, P.	NRAO-GB NRAO-CV CfA MPIfR NRAO-CV CfA Virginia New York Univ. CfA Texas-Austin ANU	The Megamaser Cosmology Project: Year 2	1.3 LARGE Phased array VLBI	6, 21	20.19
BB276	Bartkiewicz, A. Brunthaler, A. Reid, M. Szymczak, M. vanLangevelde, H.	Torun MPIfR CfA Torun JIVE	Searching for 12.2 GHz masers toward massive protostars	2	7	9.25
DYNAMI			Dynamic scheduling			179.1
	Staff	NRAO	Baselines, Pointing, Delays Maintenance Polarization Calibrator Monitoring Christmas and New Years Shutdowns Software			42.0 71.5 12.0 41.0 66.0

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	Actual Hours	Percentage
Astronomy	368.26	56.24
Unscheduled	2.35	0.36
Maintenance	71.50	10.92
Test/Calc	178.16	27.21
Shutdown	34.50	5.27
Total	654.77	100.00

Average downtime measured in antenna hours was 19.50% of scheduled antenna hours, distributed as:

System	Percentage
Cryogenics	1.18
Electrical	2.06
EVLA	79.14
Fire Alarm	0.01
Focus/Rotation	1.73
Front End	7.79
HVAC	0.15
LO/IF	2.41
Monitor/Control	0.67
Obs. Program	0.48
Optical Fiber	0.33
Other	0.03
Servo	0.92
Site Power	2.65
VLA Correlator	0.07
Weather	0.38

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AA328	Araya, E. Hofner, P. van der Walt, J. Goedhart, S. Menten, K. Kurtz, S. Lizano, S.	NMIMT NMIMT North-West Univ. Hartebeesthoek MPIfR UNAM UNAM	Periodic Maser Flares: A New Probe of Massive Star Formation	1.3, 6	22	2.14
AA329	Araya, E. Hofner, P. Olmi, L. Poventud, C.	NRAO NMIMT Arcetric Univ. Puerto Rico	Initial stages of massive star formation: kinematics of a molecular filament	1.3	5	0.93
AB1323	Berger, E. Fong, W-f. Soderberg, A.	Harvard Cfa Princeton	Radio observations of short-duration gamma-ray bursts	3.6, 20	20	0.82
AB1331	Berger, E. McLean, M.	Cfa Cfa	Confirming and Refining the Radio Periodicity of the L Dwarf 2M0746425+200032	6	13, 16	11.70
AB1333	Browne, I. Battye, R. Gabuzda, D. Jackson, N. Taylor, A.	Manchester Manchester Cork Manchester Oxford	Polarization of faint flat-spectrum sources and CMB polarized foregrounds	1.3, 3.6	21,25	4.37
AB1336	Busquet, G. deGregorio-Monsalvo, Estalella, R. Girart, J-M. Palau, A.	Barcelona ESO Barcelona Catalunya LAEFF	CCS study of evolution and interactions in the cores of IRAS 00213+6530	1.3	1	5.04
AC938	Chandra, P. Chevalier, R. Chugai, N. Fransson, C. Soderberg, A.	NRAO UVA Inst. of Astronomy Stockholm Princeton	Exploring the mysterious Type II in SN within 150 Mpc	1.3, 3.6	27	0.47
AC963	Cannon, J. Kellar, J. Salzer, J. Rosenberg, J.	MacAlester Wesleyan Wesleyan George Mason	Making Hay With ALFALFA: The Discovery Of Ubiquitous "H-Alpha Dots"	20 line	19, 23	12.86
AC965	Chyzy, K. Drzazga, R. Elstner, D. Gallagher III, J. Sellwood, J.	Jagiellonian Jagiellonian Potsdam Wisconsin Rutgers	Seeking large-scale magnetic fields in a pure-disk dwarf galaxy NGC2976	6,20	6,11	3.60
AC970	Choi, M. Lee, J-E.	KASI Sejong	Search for magnetosphere activities of very low-luminosity protostellar objects	3.6	8,30	6.97
AD612	Daddi, E. Carilli, C. Dannerbauer, H. Dickinson, M. Elbaz, D. Morrison, G. Riechers, D. Walter, F. Bournaud, F. Krips, M.	CEA NRAO-Socorro MPIA NOAO CEA-Saclay Hawaii-CFHT Caltech MPIA CEA Cfa	A dominant population of low-excitation gas rich galaxies at $z \sim 1.5$?	0.7	...	58.18
AD613	DeBreuck, C. Bhattacharjee, A. DiPompeo, M. Ganguly, R.	ESO Wyoming Wyoming Wyoming	Reorienting our perspective of broad absorption line quasars	6	1,6,8,14,15,18,22,27	5.15
AF471	Fontani, F. Caselli, P. Brand, J. Cesaroni, R. Zhang, Q.	Geneva Cfa IRA-Bologna Arcetri Cfa	Unveiling the nature of the deuterated cores in high-mass star forming regions	1.3 line	1	5.92
AF484	Fontani, F. Busquet, G. Testi, L. Caselli, P. Sanchez-Monge, A. Laurini, S. Audard, M. Palau, A.	Geneva Barcelona ESO Cfa Barcelona ESO Univ. Geneva Barcelona	Temperature and kinematics of starless cores in massive protostellar clusters	1.3 line	15, 15, 18	12.04
AG822	Giovannini, G. Feretti, L. Bonafede, A. Govoni, F. Murgia, M.	INAF-Bologna INAF-Bologna INAF-Bologna INAF-Bologna INAF-Bologna	Diffuse radio sources in under-luminous X-ray clusters	6, 20	6, 7	9.72

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AG823	Giovannini, G. Bonafede, A. Ebeling, H. Feretti, L. Ferrari, C. Girardi, M. Govoni, F. Murgia, M. Taylor, G.	IRA Bologna Hawaii Bologna Innsbruck Trieste Astro INAF UNM	Non-thermal emission in large scale filaments	20	14	3.40
AG824	Garland, C. Castander, F. Gallego, J.P. Guzman, R. Pisano, D.	Castleton Catalunya Florida Florida WVU	Neutral hydrogen mapping of optically isolated luminous compact blue galaxies	20	9,10,14,22,23,24,28,29,30	24.91
AH996	Healey, S. Romani, R. Taylor, G.	Stanford Stanford UNM	Finding blazar associations for Fermi LAT gamma-ray sources	3.6	14,15	4.43
A1135	Indebetouw, R. Brogan, C. Churchwell, E. Cyganowski, C. Drienzo, W.	UVA NRAO Wisconsin Wisconsin UVA	Dissecting HII region triggered star formation	1.3	28	1.53
A1137	Iverson, R. Baker, A. Edge, A. Hainline, L. Harris, A. Smail, I. Swinbank, M.	Edinburgh Rutgers Durham Maryland Maryland Durham Durham	Radio properties of the brightest high z sub mm galaxy	0.9	7,8,28,30	3.72
AJ359	Jaeger, T. Mutel, R.	Iowa Iowa	The Radio EVLA Search for UHE Neutrinos	20 LARGE	2, 3, 4, 5	32.0
AK718	Chandra, P. Fox, D. Frail, D. Harrison, F. Kasliwal, M. Kulkarni, S.	NRAO Penn State NRAO Caltech Caltech Caltech	GRB Engines and energetics	3.6	3,4,6,9,10,12,20,27,29,30	5.75
AK722	Krauss-Hartman, M. Mioduszewski, A. Rupen, M. Sokoloski, J.	NRAO NRAO NRAO Columbia	Nature of proposed recurrent Nova V2672 Oph	3.6	7,8	1.77
AL735	Leroy, A. Walter, F. Brinks, E. Schruba, A.	MPIA MPIA Hertfordshire MPIA	The Formation of Molecular Gas and Stars from HI	20 line	5, 7, 15	17.05
AL742	Lucero, D. Morganti, R. Nyland, K. Oosterloo, T. Sadler, E. Young, L.	NMIMT NFRA NMIMT NFRA Sydney NMIMT	HI Imaging of HIPASS Selected elliptical galaxies II	20	7,9	4.41
AM991	Miller-Jones, J. Fender, R. Heinz, S. Koerding, E. Maitra, D. Markoff, S. Migliari, S. Remillard, R. Rupen, M. Russell, D. Sarzin, C. Sivakoff, G.	NRAO Southampton Wisconsin Energie Atomique UVA Amsterdam Calif., San Diego MIT NRAO Amsterdam UVA UVA	Probing jet acceleration and collimation in stellar-mass compact objects	6, 20	5,6,7,9,11,14,17,18,20,21,24,28	7.53
AM998	Marengo, M. Evans, N. Matthews, L.D.	CfA CfA Haystack	Searching for Evidence of Mass-Loss from Delta Cepheid	20 line	20, 22, 27	14.86
AP570	Partridge, R.B. Burke, S. Lahteenmaki, A. Myers, S. Sajina, A. Tornaiainen, I. Tornikoski, M. Valtaoja, E.	Haverford Swinburne Korp NRAO Haverford Korp Korp Turku	Low frequency spectra of radio sources detected by the Planck Satellite	6,20	15,18	3.51

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AP572	Pihlstrom, Y. Fish, V. Sjouerman, L.	UNM Haystack NRAO	36.2 and 44.1 GHz methanol masers in SNR shock regions	0.7	6,7	1.77
AR699	Reynolds, C. O'Dea, C. Punsly, B. Wrobel, J.	Curtin Univ. RIT Emerald NRAO	High frequency flares in Mrk 231	1.3	4,9,18,23	1.77
AR700	Riechers, D. Bertoldi, F. Carilli, C. Momjian, E. VandenBout, P. Walter, F. Wang, R. Weiss, A.	Caltech Bonn NRAO NRAO NRAO MPIfR Peking MPIfR	Total molecular gas masses of z>2 quasar host galaxies	0.9	1,18	7.70
AS1004	Momjian, E. Sarma, A.	NRAO DePaul	25 GHz and 44 GHz Class I methanol maser Zeeman effect	1.3	25	1.99
AS989	Sajina, A. Partridge, R.B. Evans, T. Myers, S.T.	Haverford Haverford Haverford NRAO-Socorro	Microwave SED of Radio Sources that Dominate the Confusion in SZ Surveys	0.7, 1.3	3, 4	8.17
AS992	Sjouerman, L. Fish, V.L. Araya, E. Pihlstrom, Y.	NRAO-Socorro Haystack NMIMT New Mexico	6.7 GHz Methanol Masers in M31	6 line	9	11.57
AS994	Sjouerman, L. Ott, J. Pihlstrom, Y.	NRAO NRAO UNM	36.2 GHz methanol in the galactic center region	0.9	27	1.70
AT373	Tobin, J. Hartmann, L. Bergin, E. Chandler, C. Looney, L. Heitsch, F.	Michigan Michigan Michigan NRAO-Socorro Illinois Michigan	The Kinematic Structure of Non-Axisymmetric Protostellar Envelopes	1.3 line	5, 11	21.00
AV314	Vollmer, B. Soida, M. Urbanik, M. Beck, R. Chyzy, K.T. Otmianowska-Mazur, K. Kenney, J. van Gorkom, J. Chung, A. Wozniak, M.	Strasbourg Jagiellonian Jagiellonian MPIfR Jagiellonian Jagiellonian Yale University Columbia NRAO-Socorro Jagiellonian	Ram pressure diagnostics using polarized emission II	6 LARGE	28, 30	19.52
AY196	Young, L. Davis, T. Alatalo, K. Blitz, L. Bureau, M. Cappellari, M. Emsellem, E. Krajinovic, D. McDermid, R.	NMIMT Oxford Calif.-Berkeley Calif.-Berkeley Oxford Oxford ESO Oxford NOAO-Gemini	AGN feedback + the molecular outflow in NGC1266	0.7, 1.3 line	8, 21	12.29
AZ186	Zinchenko, I. Kurtz, S.	IAP UNAM	Star formation in massive cloud cores	1.3	7,13,21	3.95
BB261	Braatz, J.A. Condon, J.J. Greenhill, L.J. Henkel, C. Lo, K.Y. Reid, M.J. Kuo, C. Zaw, I. Tilak, A. Hao, L. Lah, P.	NRAO-GB NRAO-CV CfA MPIfR NRAO-CV CfA Virginia New York Univ. CfA Texas-Austin ANU	The Megamaser Cosmology Project: Year 2	1.3 LARGE Phased array VLBI	12, 25, 29	30.14
BM290	Miller-Jones, J.C.A. Rupen, M.P. Mioduszewski, A.J. Dhawan, V. Gallo, G. Jonker, P.G. Brisken, W.	NRAO-CV NRAO-Socorro NRAO-Socorro NRAO-Socorro Calif.-Santa Barbara SRON NRAO-Socorro	Direct geometric distance to a quiescent black hole X-ray binary	3.6 Phased array VLBI	21	4.88

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BR145	Reid, M. Bartkiewicz, A. Brunthaler, A. Choi, Y.K. Dame, T. Hachisuka, K. Menten, K. Moellenbrock, G. Moscadelli, L. Sanna, A. Sato, M. Xu, Y. Zhang, B. Zheng, X.	CfA Nicolaus Copernicus MPIfR MPIfR CfA Shanghai MPIfR NRAO Arcetri ASTRO Tokyo Chinese Academy Nanjing Nanjing	Mapping the milky way	3.6	1,7	4.87
GB065	Bach, U. Krichbaum, T.P. Middelberg, E. Alef, W. Witzel, A. Zensus, J.A.	MPIfR MPIfR Bochum MPIfR MPIfR MPIfR	Resolving the jets in Cygnus A	0.7 Single antenna VLBI	11	0.51
S1286	Harrison, F. Berger, E. Cenko, S. Chandra, P. Chucchiara, A. Fox, D. Frail, D. Kasliwal, M. Kulkarni, S. Nakar, E. Ofek, E. Quimby, R. Rau, A.	Caltech Princeton Caltech UVA Penn State Penn State NRAO Caltech Caltech Caltech Caltech Caltech	GRB Energetics in the GLAST Era	4	6,7,8,14	7.36
DYNAMI	Staff	NRAO	Dynamic scheduling Baselines, Pointing, Delays Maintenance Polarization Calibrator Monitoring Thanksgiving Shutdown Software General tests		25, 25 1	188.0 37.0 62.0 12.0 26.5 58.0 8.0

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	Actual Hours	Percentage
Astronomy	403.98	62.71
Unscheduled	17.31	2.69
Maintenance	62.00	9.62
Test/Calc	134.40	20.86
Shutdown	26.50	4.11
Total	644.19	100.00

Average downtime measured in antenna hours was 15.80% of scheduled antenna hours, distributed as:

System	Percentage
Clocks/Timing	1.22
Cryogenics	0.52
Electrical	0.03
EVLA	50.81
EVLA Computers	1.43
Focus/Rotation	1.05
Front End	8.33
LO/IF	6.08
Mechanical	0.11
Monitor/Control	0.07
Obs. Program	0.25
Optical Fiber	0.02
Other	0.58
Servo	3.75
Site Power	0.89
VLA Correlator	0.20
Weather	0.48

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AA328	Araya, E. Hofner, P. van der Walt, J. Goedhart, S. Menten, K. Kurtz, S. Lizano, S.	NMIMT NMIMT North-West Univ. Hartebeesthoek MPIfR UNAM UNAM	Periodic Maser Flares: A New Probe of Massive Star Formation	1.3, 6 line	5, 30	3.60
AB1328	Brunthaler, A. Bower, G. Falcke, H. Henkel, C. Menten, K. Reid, M.	MPIfR Calif., Berkeley Nijmegen MPIfR MPIfR CfA	New radio supernova in M82?	6,20	21	3.44
AB1336	Busquet, G. deGregorio-Monsalvo, E. Estalella, R. Girart, J-M. Palau, A.	Barcelona ESO Barcelona Catalunya LAEFF	CSS study of evolution and interactions in the cores of IRAS 00213+6530	1.3 29	22,27,29	7.81
AC926	Codella, C. Beltran, M.T. Cesaroni, R. Moscadelli, L. Vig, S.	CNR-Roma Barcelona Arcetri INAF-Arcetri INAF-Arcetri	The jet/disk system in the high-mass protostar G24.78+0.08	0.7 line	18	2.78
AC938	Chandra, P. Chevalier, R. Chugai, N. Fransson, C. Soderberg, A.	NRAO UVA Inst. of Astronomy Stockholm Princeton	Exploring the mysterious Type IIIn supernovae within 150 Mpc	3.6	1,5	3.20
AC965	Chyzy, K. Drzazga, R. Gallagher III, J. Sellwood, J. Elstner, D.	Jagiellonian Jagiellonian Wisconsin-Madison Rutgers Astron.Inst.Potsdam	Seeking large-scale magnetic fields in a pure-disk dwarf galaxy NGC 2976	6, 20	31	3.24
AC970	Choi, M. Lee, J-E.	Korea A&SSI Sejong	Search for magnetosphere activities of very low luminosity protostellar objects	3.6	18,31	3.52
AD606	Daddi, E. Carilli, C. Walter, F. Dannerbauer, H. Bournaud, F. Morrison, G. Riechers, D. Dickinson, M. Stern, D. Elbaz, D. Onodera, M. Krips, M.	CEA NRAO-Socorro MPIA MPIA CEA Hawaii-CFHT Caltech NOAO JPL CEA CEA CfA	Molecular gas tomography of a z=1.5 massive spiral galaxy	0.7 line	25, 30	12.26
AD609	Dubner, G. Giacani, E. Castelletti, G. Acero, F. Terrier, R.	IAFE IAFE IAFE Lab. de Physic Paris Univ.	Imaging the recently discovered gamma-ray SNR G353.6-0.7/HESSJ1731-347	20	2	3.94
AD613	DiPompeo, M. Bhattacharjee, A. Brotherton, M. DeBreuck, C. Ganguly, R.	Wyoming Wyoming Wyoming ESO Wyoming	Reorienting our perspective of broad absorption line quasars	6	7,9,11,12,15 ,16,17,19,21 ,23,24,26,27 ,28,29,30,31	16.64
AF471	Fontani, F. Caselli, P. Brand, J. Cesaroni, R. Zhang, Q.	Geneva CfA IRA-Bologna Arcetri CfA	Unveiling the nature of the deuterated cores in high-mass star forming regions	1.3 line	31	6.83
AF484	Fontani, F. Busquet, G. Testi, L. Caselli, P. Sanchez-Monge, A. Leurini, S. Audard, M. Palau, A.	Geneva Barcelona ESO CfA Barcelona ESO Univ. Geneva Barcelona	Temperature and kinematics of starless cores in massive protostellar clusters	1.3 line	30	5.21

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AG823	Bonafede, A. Ebeling, H. Feretti, L. Ferrari, C. Giovannini, G. Girardi, M. Govoni, F. Murgia, M. Taylor, G.	Bologna Hawaii IRA Innsbruck IRA Trieste INAF INAF UNM	Non thermal emission in large scale filaments	20	28	3.48
AG824	Castander, F. Gallego, J. Garland, C. Guzman, R. Pisano, D.	Catalunya Florida Castleton Florida W.Virginia Univ.	Neutral hydrogen mapping of optically isolated luminous compact blue galaxies	20	13,16	2.78
AH1003	Heiles, C. Begum, A. Goss, M. Stanimirovic, S.	Calif., Berkeley Wisconsin NRAO Wisconsin	Confirming NVSS/GALFA-HI Absorption Spectra	20	5	1.83
AH995	Hirota, T. Yamamoto, S. Sakai, N.	NAOJ-VERA Tokyo Tokyo	Centrally peaked CCS distribution of Class 0 protostellar core L483? (2)	1.3 line	26	7.64
AH996	Healey, S. Romani, R. Taylor, G.	Stanford Stanford UNM	Finding blazar associations for Fermi LAT gamma-ray sources	3.6	18,20	3.66
AH999	Heesen, V. Beck, R. Krause, M. Klein, U. Dettmar, R.-J.	Bochum MPIfR MPIfR Bonn Univ. Bochum	The disk-wind, superwind, and the magnetic field in NGC 253	3.6	4, 10, 11	9.63
AI137	Iverson, R. Baker, A. Edge, A. Hainline, L. Harris, A. Smail, I. Swinbank, M.	Edinburgh Rutgers Durham Maryland Maryland Durham Durham	Radio properties of the brightest high-z sub mm galaxy	9	21	2.51
AJ358	Jamrozy, M. Kuligowska, E. Machalski, J. Saikia, D. Wierzbowska, D.	Jagiellonian Jagiellonian Jagiellonian NCRA Jagiellonian	Spectral and dynamical age analyses of the largest radio galaxy in the universe	6	25	1.78
AJ359	Jaeger, T. Mutel, R.	Iowa Iowa	The Radio EVLA Search for UHE Neutrinos	20 LARGE	...	112.2
AK706	Chandra, P. Cenko, B. Fox, D. Frail, D. Harrison, F. Kasliwal, M. Kulkarni, S.	NRAO Caltech Penn State NRAO Caltech Caltech Caltech	GRBs:Engines, Energetics (and Enigmas) in the GeV era	3.6	21,22	0.89
AK713	Kondratiev, V. Kargaltsev, O. Pavlov, G.	West Virginia U. Univ. Florida Penn State	Crushed Plerions From Radio to Gamma-Rays	6, 20	10	8.93
AK718	Chandra, P. Cenko, B. Fox, D. Frail, D. Harrison, F. Kasliwal, M. Kulkarni, S.	NRAO Caltech Penn State NRAO Caltech Caltech Caltech	GRB Engines and energetics	3.6	22,24,26,27, 29,30,31	3.53
AL736	Lang, C. Drout, M. Cotera, A. De Pree, C.	Univ. Iowa Univ. Iowa SETI Inst. Agnes Scott	Recombination Lines from Pillars of Star Formation in the Sickle (G0.18-0.04)	0.7, 1.3	11	6.80
AL742	Lucero, D. Morganti, R. Nyland, K. Oosterloo, T. Sadler, E. Young, L.	NMIMT NFRA NMIMT NFRA Sydney NMIMT	HI Imaging of HIPASS-Selected Elliptical Galaxies II	20	4,5,13,15,17	12.41
AM983	Monnier, J. Greenhill, L. Tuthill, P. Danchi, W.	Michigan Cfa Sydney NASA-GSFC	Orbital period and the fundamental parameters of colliding wind WR 112	3.6	17	0.92

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AM990	Masque, J. Girart, J. Estalella, R. Beltran, M. Rodriguez, L.	Barcelona Catalunya Barcelona Barcelona UNAM	Observing the northern head of the HH 80/81/80N jet at cm wavelengths	6	25	3.55
AM998	Marengo, M. Evans, N. Matthews, L.D.	CfA CfA Haystack	Searching for Evidence of Mass-Loss from Delta Cepheid	20 line	27	5.31
A0253	Osten, R. Kowalski, A. Hawley, S.L. Hilton, E. Schmidt, S.	STScI Washington Washington Univ. Washington Washington Univ.	Radio, Near-Infrared, and Optical Observations of Flaring M Dwarfs	3.6, 6	8, 9	11.65
A0256	Ofek, E. Chandra, P. Frail, D. Kulkarni, S. Quimby, R.	Caltech Royal Military Colle NRAO Caltech Caltech	PFT09cnd-A pulsational pair instability SN powered by ejecta interaction	6,20	9	2.27
AP570	Partridge, R.B. Burke, S. Lahteenmaki, A. Myers, S. Sajina, A. Torniainen, I. Tornikoski, M. Valtaoja, E.	Haverford Swinburne Finland NRAO Haverford Finland Finland Turku	Low frequency spectra of radio sources detected by the Planck satellite	20	22	1.71
AP574	Partridge, R.B. Lin, Y-T. Vechik, N.	Haverford Princeton Haverford	SEDS of radio sources in 0.3<z<0.8 galaxy clusters	0.7	31	1.73
AR698	Ricci, L. Testi, L. Natta, A.	ESO ESO Arcetri	Dust properties of Ophiucus protoplanetary disks	0.7, 3.6, 6	3, 9	11.20
AR699	Reynolds, C. O'Dea, C. Punsly, B. Wrobel, J.	Curtin Rochester NRAO	High frequency flares in Mrk 231	1.3	9,17,23,26	1.82
AR700	Riechers, D. Bertoldi, F. Carilli, C. Momjian, E. VandenBout, P. Walter, F. Wang, R. Weiss, A.	Caltech Bonn NRAO NRAO NRAO MPIfr Peking MPIfr	Total molecular gas masses of z>2 quasar host galaxies	9	24,26	6.92
AS1004	Momjian, E. Sarma, A.	NRAO DePaul	25 GHz and 44 GHz Class I methanol maser Zeeman Effect	1.3, 0.7	22,25	4.35
AS959	Shepherd, D. Churchwell, E. Maddalena, R. Johnston, K. Cyganowski, C. Povich, M.	NRAO-Socorro Wisconsin NRAO-GB St. Andrews Wisconsin at Madison Wisconsin	The Ionized Gas Content in the Galactic Bubble N49	3.6	24	3.53
AS976	Smith, B. Hancock, M. Struck, C.	East Tennessee State Calif.-Riverside Iowa State	HI Imaging of GALEX-Discovered Tidal Dwarf Galaxies	20 line	17, 18, 23	21.69
AS983	Soderberg, A. Bartel, N. Bietenholz, M. Chevalier, R. Fransson, C.	Princeton York York UVA Stockholm	Revealing the progenitors of SNe Ibc and the nature of the GRB-SN connection	3.6	5,23	2.19
AS988	Stockdale, C. Bauer, F. Dwarkadas, V. Immler, S. Panagia, N. Pooley, D. Sramek, R. VandYk, S. Weiler, K.	Marquette Columbia Chicago GSFC STScI Wisconsin NRAO-Chie Spitzer NRL	Monitoring late-time radio emission from two nearby core-collapse SN	20	263	0.90
AS992	Sjouerman, L. Fish, V.L. Araya, E. Pihlstrom, Y.	NRAO-Socorro Haystack NMIMT New Mexico	6.7 GHz Methanol Masers in M31	6 line	18, 19, 22, 24, 25, 29	49.90

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AT371	Testi, L. Herczeg, G. Natta, A. Ricci, L.	ESO Caltech Arcetri ESO	Dust properties in Classical T Tauri disks	0.7	1,5,14,15,16	8.84
AT373	Tobin, J. Hartmann, L. Bergin, E. Chandler, C. Looney, L. Heitsch, F.	Michigan Michigan Michigan NRAO-Socorro Illinois Michigan	The Kinematic Structure of Non-Axisymmetric Protostellar Envelopes	1.3 line	17, 23	14.37
AV314	Vollmer, B. Beck, R. Chung, A. Chyzy, K. Kenney, J. Otmianowska-Mazur, K. Soida, M. Urbanik, M. vanGorkom, J. Wezgowiec, M.	Strasbourg MPIfR NRAO Jagiellonian Yale Jagiellonian Jagiellonian Jagiellonian Columbia Jagiellonian	Ram pressure diagnostics using polarized emission II	6	31	1.64
AW764	Wagg, J. Carilli, C. Kanekar, N.	NRAO NRAO NRAO	Molecular gas excitation in the most distance radio galaxy at z=5.2	0.9	26,29	3.09
AW768	Wiseman, J. Barsony, M. Sahai, R.	NASA-Goddard San Francisco State JPL	Tracing the Embedding Molecular Gas Disk of the Twisting Jet of VLA 16253-2429	1.3 line	4	6.58
BB277	Brunthaler, A. Reid, M.J. Henkel, C. Menten, K. Falcke, H. Bower, G.C.	MPIfR Cfa MPIfR MPIfR Nijmegen Calif.-Berkeley	The evolution of SN 2008iz in M82	... Phased array VLBI	2	11.13
BM257	McClintock, J. Dhawan, V. Narayan, R. Reid, M. Remillard, R.	Cfa NRAO Cfa Cfa MIT	Is the black hole in the microquasar GRS1915+105 spinning maximally?	1.3	7,16,27	1.34
BM311	Maccarone, T.J. Gallo, E. Miller-Jones, J.C.A. Joseph, T. Dwelly, T.	Southampton Calif.-Santa Barbara NRAO-CV Southampton Southampton	An accurate position for the radio source in G1	6 Phased array VLBI	6	6.64
BR145	Reid, M. Bartkiewicz, A. Brunthaler, a. Choi, Y.K. Dame, T. Hachisuka, K. Menten, K. Moellenbrock, G. Moscadelli, L. Sanna, A. Sato, M. Xu, Y. Zhang, B. Zheng, X.	Cfa Torun MPIfR MPIfR Cfa Shanghai MPIfR NRAO Arcetri Arcetri Tokyo Chinese Academy of S Nanjing Nanjing	Mapping the Milky Way	3.6	9,13,16,19,3 1	11.02
S1286	Fox, D. Harrison, F. Berger, E. Cenko, S. Chandra, P. Cucchiara, A. Frail, D. Kasliwal, M. Kulkarni, S. Nakar, E. Ofek, E. Quimby, R. Rau, A.	Penn State Caltech Princeton Caltech UVA Penn State NRAO Caltech Caltech Caltech Caltech Caltech	GRB Energetics in the GLAST era	4	7,9,11	2.70
S2053	Jorstad, S. Marscher, A.	Boston Boston	Correlation between gamma-ray variations and disturbances in the jets of blazars	0.7	13	5.36

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
S2193	Corcoran, M.F. Abraham, Z. Damineli, A. Dougherty, S. Moffat, A. Pittard, J. Pollock, A. Romero, G. Smale, A. Tavani, M. Viotti, R. Williams, P.	NASA Brazeil Brazil DRAO Montreal Leeds ESA Argentina NASA INAF INAF ROE	Obs. of gamma-ray emission from ETA CAR and WR140		15	1.32
DYNAMI			Dynamic scheduling			204.0
STUD			Students		16	1.93
	Staff	NRAO	Baselines, Pointing, Delays Maintenance Polarization Calibrator Monitoring Software General tests		3	34.0 62.0 12.0 67.5 5.0

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	Actual Hours	Percentage
Astronomy	456.23	66.02
Unscheduled	2.07	0.30
Maintenance	62.00	8.97
Test/Calc	170.76	24.71
Total	691.06	100.00

Average downtime measured in antenna hours was 10.40% of scheduled antenna hours, distributed as:

System	Percentage
Antenna Pads	0.06
Cryogenics	1.63
EVLA	71.46
FOC/ROT	1.57
Focus/Rotation	1.27
Front End	8.95
HVAC	0.20
Interference	0.56
LO/IF	6.09
Mechanical	0.63
Obs. Program	2.49
Optical Fiber	0.03
Other	0.51
Servo	2.35
VLA Correlator	0.00
VLBA Recorders	0.22
Weather	1.97

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AB1328	Brunthaler, A. Bower, G. Falcke, H. Henkel, C. Menten, K. Reid, M.	MPIfR Calif., Berkeley Nijmegen MPIfR MPIfR CfA	New radio supernova in M82?	6, 20	19	3.61
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	7,16	1.86
AC938	Chandra, P. Chevalier, R. Chugai, N. Fransson, C. Soderberg, A.	NRAO Uva IAA Stockholm Princeton	Exploring the mysterious Type II in SN within 150 Mpc	3.6	26, 28, 29	2.68
AC960	Carrigone, L. Menten, K. Trigilio, C. Umana, G.	MPIfR MPIfR INAF IAA	Flux density variations in recently ionized planetary nebulae	3.6, 6	22	0.43
AC962	Catinella, B. Fabello, S. Kauffmann, G. Lemonias, J. Schiminovich, D.	MPIfA MPIfA MPIfA Columbia Columbia	Pilot study of three massive transition galaxies identified by the GASS survey	20	2,9,11	9.14
AC964	Claussen, M.	NRAO	SiO maser emission from AGB stars in galactic globular clusters	0.7	1,7,12,24	5.56
AC965	Chyzy, K. Drzazga, R. Elstner, D. Gallagher, J. Sellwood, J.	Jagiellonian Jagiellonian Potsdam Wisconsin Rutgers	Seeking large-scale magnetic fields in a pure disk dwarf galaxy NGC2976	6, 20	18,20,21	4.35
AD603	Donovan, J. Hibbard, J. vanGorkom, J.	Columbia NRAO Columbia	Mapping the HI in a wet "dry merger"	20	1	1.40
AG826	Wrobel, J. Aldcroft, T. Barkhouse, W. Cox, T. Green, P. Mulchaey, J. Myers, A. Siemiginowska, A.	NRAO CfA North Dakota CfA CfA Carnegie UIUC CfA	Radio emission from the most luminous binary quasar in a merging galaxy	3.6	25, 27	2.85
AH1000	Hallinan, G. Golden, A. Antonova, A. Doyle, J.G. Bourke, S. Jardine, M. Morin, J. Donati, J-F. Delfosse, X. Forveille, T.	NUI, Galway Ireland-Galway Armagh Armagh Galway St. Andrews Paris Obs. Toulouse Grenoble Obs. Grenoble	Mapping the Radio Coronae of M Dwarf flare stars	3.6, 6	3, 4, 5	30.96
AH1003	Heiles, C. Begum, A. Goss, M. Stanimirovic, S.	Calif., Berkeley Wisconsin NRAO Wisconsin	Confirming NVSS/GALFA HI Absorption Spectra	20	11,25,26	3.46
AH991	Hoare, M. Lumsden, S. Oudmaijer, R. Trigilio, C. Umana, G. Urquhart, J.	Leeds Leeds Leeds INAF INAF Leeds	Accurate positions of class I methanol masers associated with massive YSOs	0.7	2,8,16	2.73
AH993	Hallinan, G. Antonova, A. Bourke, S. Brisken, W. Butler, R. Cruz, K. Doyle, J. Golden, A. Harding, L. Tajitsu, A.	Galway Armagh JIVE NRAO Galway Caltech armagh Galway Galway NAOJ	Volume limited radio survey of ultracool dwarfs	6	1,4,5,6,7,15	5.75

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AI128	Irwin, J. Galliano, F. Irwin, J. Madden, S.	Queens CEA Queens CEA	HI Obs. of dwarf galaxies in Herschel guaranteed time survey	20	2,8,10,11,12,13	6.45
AI129	Iverson, R. Papadopoulos, P. Carilli, C. Smail, I. Chapman, S.	Edinburgh Bonn NRAO-Socorro Durham Cambridge	Imaging CO(1-0) in lensed submm galaxies	0.9 line	3, 8, 10, 12, 13	39.17
AI130	Impellizzeri, C.M. Henkel, C. Menten, K. Roy, A.	NRAO MPIfR MPIfR MPIfR	Methanol maser outside the local group?	6	26,29	5.15
AI137	Iverson, R. Baker, A. Edge, A. Hainline, L. Harris, A. Smail, I. Swinbank, M.	Edinburgh Rutgers Durham Maryland Maryland Durham Durham	Radio properties of the brightest high-z sub-mm galaxy	0.9	22,25,27,29	7.59
AJ359	Jaeger, T. Mutel, R.	Iowa Iowa	The Radio EVLA Search for UHE Neutrinos	20 LARGE	...	52.35
AK706	Kulkarni, S. Cenko, B. Chandra, P. Fox, D. Frail, D. Harrison, F. Kasliwal, M.	Caltech Caltech NRAO Penn State NRAO Caltech Caltech	GRBs:Engines, energetics in the GeV era	3.6	3	1.65
AK720	Krauss-Hartman, M. Mioduszewski, A. Rupen, M.	NRAO NRAO NRAO	Characterizing the early radio emission of V2672 Ophiuchi	3.6	1,3,13	2.78
AK722	Krauss-Hartman, M. Mioduszewski, A. Rupen, M. Sokoloski, J.	NRAO NRAO NRAO Columbia	Nature of the proposed recurrent Nova V2672 Oph	1.3, 3.6	29	0.92
AL741	Liu, H. Ho, P.T.P.	Academia Sinica CFA	Resolving Clump Kinematics Around Massive OB Cluster Forming Region G10.6-0.4	0.7 line	27	8.30
AL742	Lucero, D. Nyland, K. Young, L. Oosterloo, T. Morganti, R. Sadler, E.	NMIMT NMIMT NMIMT NFRA NFRA Sydney U.	HI Imaging of HIPASS-Selected Elliptical Galaxies II	20 line	28, 28	6.94
AM971	Miller-Jones, J. Migliari, S. Russell, D.	NRAO Calif., San Diego Amsterdam	Investigating the radio emission from an accreting millisecond X-ray pulsar	3.6, 20	16,18,25	1.34
A0253	Osten, R. Kowalski, A. Hawley, S.L. Hilton, E. Schmidt, S.	STScI Washington Washington Univ. Washington Washington Univ.	Radio, Near-Infrared, and Optical Observations of Flaring M Dwarfs	3.6, 6	18, 19	14.06
AP563	Paladino, R. Murgia, M. Beck, R. Tabatabaei, F. Orru, E.	INAF INAF-Bologna MPIfR MPIfR Innsbruck	Low frequencies observations of M51	90	5	4.57
AP572	Pihlstrom, Y. Fish, V. Sjouerman, L.	UNM Haystack NRAO	36.2 and 44.1 GHz methanol masers in SNR shock regions	0.7	28,29	3.99
AR690	Rottgering, H. van Weeren, R.	Leiden Leiden	Towards the First Sample of Giant Peripheral Radio Relics	20	30	0.89
AR698	Ricci, L. Testi, L. Natta, A.	ESO ESO Arcetri	Dust properties of Ophiucus protoplanetary disks	0.7, 3.6, 6	26	9.65
AS1000	Sarma, A. Momjian, E.	DePaul NRAO	Discover of the Zeeman effect in M8E	0.7	14	0.70
AS1001	Soderberg, A. Berger, E.	Princeton Harvard	Radio search for non-thermal emission from LBV outburst SN2009ip	1.3, 3.6	7,9	1.43
AS1002	Soderberg, A. Berger, E.	Princeton Harvard	Newly identified LBV candidate at 6 Mpc	1.3, 3.6	13,16	1.37

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AS982	Sharon, C. Baker, A. Harris, A. Seitz, S.	Rutgers Rutgers Maryland Ludwig Maximilians	Mapping CO (1-0) in the Cloverleaf and SMM J14011+0252	0.9 line	4, 6, 7, 11, 12, 13	35.91
AS985	Santos-Costa, D. Bolton, S. Sault, R.	Southwest Research Southwest Research Melbourne	Observing Short-Term Variations in Jupiter's Radiation-Belt Emission	6, 20	11	3.54
AS988	Stockdale, C. Bauer, F. Dwarkadas, V. Immler, S. Panagia, N. Pooley, D. Sramek, R. VanDyk, S. Weiler, K.	Marquette Columbia Chicago GSFC STScI Wisconsin NRAO-Chile Spitzer NRL	Monitoring late-time radio emission from two nearby core-collapse SN	3.6, 6, 20	18,19,20,22, 26	5.23
AT371	Testi, L. Herczeg, G. Natta, A. Ricci, L.	ESO Caltech Arcetri ESO	Dust properties in classical T Tauri disks	0.7	22,24,25,26, 28,29	22.95
AU126	Ulvestad, J. Barth, A. Bentz, M. Greene, J. Ho, L.	NRAO UCI UCI Princeton Carnegie	Multiple AGNs in NGC 3341	6	4,5,7,8,10,1 1,12,13,15	15.70
AW760	Wang, K. Zhang, Q.	CfA CfA	Turbulent fragmentation in the early phase of cluster formation	1.3	2	2.82
BM257	McClintock, J. Dhawan, V. Narayan, R. Reid, M. Remillard, R.	CfA NRAO CfA CfA MIT	Is the black hole in the microquasar GRS1915+105 spinning maximally?	1.3	1,6,22	1.37
BM306	Mioduszewski, A. Torres, R. Loinard, L.	NRAO-Socorro UNAM UNAM	Imaging the interacting young binary V773 Tau A/B	3.6 Phased array VLBI	26	5.75
S1286	Fox, D.	Penn State	GRB Energetics in the GLAST Era	4	8,10,11,13,1 4,18,25,27	8.07
S2228	Harrison, F. Berger, E. Cenko, S. Chandra, P. Filippenko, A. Fox, D. Frail, D. Kulkarni, S. Rana, V.	Caltech Harvard Calif., Berkeley Royal Military Calif., Berkeley Penn State NRAO Caltech Caltech	GRB Energetics in the FERMI Area		7	0.95
SA0468	Osten, R. Ngoc, P-B. Hawley, S. Reid, N.	Maryland ASIAA Washington STScI	Exploring the Stable Corona of LP349-25 through X-ray and Radio Emission	3.6, 6	13	11.97
DYNAMI			Dynamic scheduling			297.5
	Staff	NRAO	Baselines, Pointing, Delays			40.0
			Maintenance			71.5
			Polarization Calibrator Monitoring			12.0
			Software			68.0

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	Actual Hours	Percentage
Astronomy	358.35	55.45
Unscheduled	5.46	0.84
Maintenance	71.50	11.06
Test/Calc	210.91	32.64
Total	646.22	100.0

Average downtime measured in antenna hours was 17.07% of scheduled antenna hours, distributed as:

System	Percentage
Antenna Pads	0.33
Cryogenics	0.39
Electrical	0.09
EVLA	78.76
EVLA Computers	0.72
FOC/ROT	0.85
Front End	8.05
LO/IF	1.37
Mechanical	0.73
Monitor/Control	0.20
Obs. Program	0.62
Other	0.81
Power Supply	1.87
Servo	2.12
VLA Correlator	3.09

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AB1301	Berger, E. Reiners, A.	Carnegie Gottingen	Is rotation the fundamental parameter in fully-convective stellar dynamos?		9,10,17,19,2 2	4.47
AC926	Codella, C. Beltran, M. Cesaroni, R. Moscadelli, L. Vig, S.	Arcetri Barcelona Arcetri Arcetri Arcetri	Jet/disk system in high-mass protostar G24.78+0.08	0.7	14	6.51
AC936	Chandra, P. Soderberg, A.M. Chevalier, R.A.	Virginia Princeton Virginia	VLA observations of a unique & bright radio and X-ray Type IIIn supernova 2006jd	1.3, 3.6, 6, 20	7	2.73
AC938	Chandra, P. Chevalier, R. Chugai, N. Fransson, C. Soderberg, A.	NRAO UVA IoA Stockholm Princeton	Exploring the mysterious Type IIIn SN within 150 Mpc	3.6	8	0.47
AC959	Carrasco-Gonzalez, C. Rodriguez, L.	IAA UNAM	Linear Polarization in the Outflow from the Massive Protostar IRAS 18162-2048	6	21, 22	11.69
AC962	Catinella, B. Schiminovich, D. Kauffmann, G. Fabello, S. Lemonias, J.	MPIfR Columbia MPIA MPIA Columbia	A Pilot Study of Three Massive Transition Galaxies Identified by the GASS Survey	20 line	14, 16	12.17
AC963	Cannon, J. Kellar, J. Rosenberg, J. Salzer, J.	Macalester Wesleyan George Mason Indiana	Making hay with ALFALFA:Discovery of ubiquitous "H-Alpha Dots"	20	7,12,25,28	15.83
AC964	Claussen, M.	NRAO	SiO maser emission from AGB stars in galactic globular clusters	0.7	29	3.70
AC965	Chyzy, K. Drzazga, R. Gallagher III, J. Sellwood, J. Elstner, D.	Jagiellonian Jagiellonian Wisconsin-Madison Rutgers Astron.Inst.Potsdam	Seeking large-scale magnetic fields in a pure-disk dwarf galaxy NGC 2976	20	28	5.59
AD600	Daddi, E. Carilli, C. Walter, F. Dannerbauer, H. Morrison, G. Riechers, D. Dickinson, M. Stern, D. Elbaz, D.	CEA NRAO-Socorro MPIA MPIA Hawaii-CFHT Caltech NOAO JPL CEA-Saclay	Gas morphology and kinematics in two z=4.05 submm galaxies at 1 kpc resolution	0.7	29	6.36
AD603	Donovan, J. van Gorkom, J. Hibbard, J.	Columbia University Columbia NRAO-CV	Mapping the HI in a Wet "Dry Merger"	20 line	28, 30, 31	9.09
AD606	Daddi, E. Carilli, C. Walter, F. Dannerbauer, H. Bournaud, F. Morrison, G. Riechers, D. Dickinson, M. Stern, D. Elbaz, D. Onodera, M. Krips, M.	CEA-Saclay NRAO-Socorro MPIA MPIA CEA-Saclay Hawaii-CFHT Caltech NOAO JPL CEA-Saclay CEA-Saclay CfA	Molecular gas tomography of a z=1.5 massive spiral galaxy	0.7 line	7, 8	30.98
AD616	Devaraj, K. Butler, B. Steffes, P.	Georgia NRAO Georgia	Short-term variations in synchrotron emission from Jupiter due to recent impact	20	1,6,10	10.45
AD617	Devaraj, K. Butler, B. Hesman, B. Steffes, P.	Georgia NRAO NRAO Georgia	Continuing VLA obs. of Jupiter's troposphere after a recent impact	1.3, 3.6	1,5,6,10	10.45
AF481	Forbric, J. Menten, K. Preibisch, T.	CfA MPIfR Ludwig	Directly probing the radio emission of a Herbig Be star in an eclipsing binary	3.6	25	0.90
AF482	Freeland, E. Wilcots, E.	Wisconsin Wisconsin	Shocking discoveries in galaxy groups	20	18,30	5.10
AG816	Georgakakis, A. Clements, D. Hopkins, A.	Athens Imperial College Sydney	Searching for young radio jets in reddened 2MASS QSOs	20	7	0.44

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AH1001	Wrobel, J. Greene, J. Ho, L.	NRAO Princeton Carnegie	Radio constraints on a central black hole in the globular cluster M54	3.6	13	0.94
AH991	Hoare, M. Lumsden, S. Oudmaijer, R. Trigilio, C. Umana, G. Urquhart, J.	Leeds Leeds Leeds INAF INAF Leeds	Accurate positions of class I methanol masers associated with masive YSOs	0.7	3,4,13,21,27,29	8.39
AH993	Hallinan, G. Antonova, A. Bourke, S. Brisken, W. Butler, R. Cruz, K. Doyle, J. Golden, A. Harding, L. Tajitsu, A.	Galway Armagh JIVE NRAO Galway Caltech Armagh Galway Galway NAOJ	Volume limited radio survey of ultracool dwarfs	6	14-31	59.06
AI128	Irwin, J. Galliano, F. Irwin, J. Madden, S.	Queens CEA Queens CEA	HI Obs. of dwarf galaxies in Herschel guaranteed time survey	20	10,21,25,30,31	6.03
AI129	Ivison, R. Papadopoulos, P. Carilli, C. Smail, I. chapman, s.	UK Astronomy Tech Bonn NRAO-Socorro Durham Cambridge	Imaging CO(1-0) in lensed submm galaxies	0.9 line	29	7.10
AI130	Impellizzeri, C. Henkel, C. Roy, A. Menten, K.	NRAO-CV MPIfR MPIfR MPIfR	A methanol maser outside the Local Group?	6 line	18, 19	4.93
AI136	Ivison, R. Baker, A. Edge, A. Hainline, L. Harris, A. Smail, I. Swinbank, M.	Edinburgh Rutgers Durham Maryland Maryland Durham Durham	Radio properties of the brightest high-z sub-mm galaxy	0.9, 3.6	5,16,21,25,27	7.61
AK706	Chandra, P. Cenko, B. Fox, D. Frail, D. Harrison, F. Kasliwal, M. Kulkarni, S.	NRAO Caltech Penn State NRAO Caltech Caltech Caltech	GRBs: Engines, energetics (and enigmas) in the GeV era	3.6	1,11,13,15	2.29
AK709	Koeding, E. Dhawan, V. Fender, R. Knigge, C. Rupen, M.	Southampton NRAO Southampton Southampton NRAO	Survey of cataclysmic variable outbursts	3.6	19	0.44
AK713	Kondratiev, V. Kargaltsev, O. Pavlov, G.	West Virginia U. Univ. Florida Penn State	Crushed Plerions From Radio to Gamma-Rays	20	10	7.0
AK717	Kanekar, N. Meier, D.	NRAO-Socorro NMIMT	A search for molecular oxygen at $z \sim 0.88582$	0.9 line	11	3.65
AL732	Liu, H. Ho, P. Takahashi, S.	ASIAA Academia Sinica ASIAA	Resolving the contracting molecular gas around the massive OB cluster at 1''	0.7	7	6.36
AL735	Leroy, A. Walter, F. Brinks, E. Schruba, A.	MPIA MPIA Hertfordshire MPIA	The Formation of Molecular Gas and Stars from HI	20 line	17, 21, 22, 23	6.95
AM942	Martini, P. Boeker, T. Lisenfeld, U. Schinnerer, E.	Ohio ESA Granada MPIFA	Testing the Schmidt law at the end of the Hubble Sequence	20	5	2.14
AM952	Monnier, J. Danchi, W. Greenhill, L. Tuthill, P.	Michigan NASA-GSFC CfA Sydney	Orbital period and the fundamental parameters of colliding Wind WR 112	3.6	21	0.89
AM985	Meier, D. Turner, J. Beck, S.	NMIMT Calif.-Los Angeles Tel Aviv University	High Resolution HI Observations of the Nearby, Obscured LIRG: IRAS 04296+2923	20 line	11	7.94

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Progrm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AM986	Miller-Jones, J.	NRAO	Constraining black hole formation with VLBI astrometry	3.6	3,8,15	5.70
AM988	Miller-Jones, J. Hynes, R. Rupen, M. Markoff, S.	NRAO-CV Texas-Austin NRAO-Socorro Amsterdam	A deep look at the most luminous quiescent stellar-mass black hole	3.6, 6, 20	17, 18, 19	23.82
AM989	Murphy, E. Kenney, J. van Gorkom, J. Helou, G.	IPAC Yale University Columbia Caltech-Spitzer	Measuring Ram Pressure in Virgo Cluster Galaxies	20	1, 2, 3	26.11
AM991	Miller-Jones, J. Fender, R. Heinz, S. Koerding, E. Maitra, D. Markoff, S. Migliari, S. Remillard, R. Rupen, M. Russell, D. Russell, D. Sarazin, C. Sivakoff, G.	NRAO Southampton Wisconsin Comm. l'Energie Atom UVa Amsterdam Calif., San Diego UMASS NRAO Amsterdam Amsterdam UVa UVa	Probing jet acceleration and collimation in stellar-mass compact objects	6, 20	6	0.96
AP570	Bruce, Partridge	Haverford	Low frequency spectra of radio sources detected by the Planck Satellite	6,20	6	1.84
AR693	Riechers, D. Daddi, E. Carilli, C. Dannerbauer, H. Walter, F. Morrison, G. Krips, M. Dickinson, M. Elbaz, D.	Caltech CEA NRAO-Socorro MPIA MPIA Hawaii-CFHT Cfa NOAO CEA-Saclay	Total Molecular Gas Masses of $z > 4$ Submillimeter Galaxies	1.3 line	16	6.15
AR694	Rodriguez, L. Loinard, L.	UNAM UNAM	The Radio Counterpart to the Extended X-Ray Jet in DG Tau	3.6	13	8.56
AS976	Smith, B. Hancock, M. Struck, C.	East Tennessee State Calif.-Riverside Iowa State	HI Imaging of GALEX-Discovered Tidal Dwarf Galaxies	20 line	9, 15	20.57
AS980	Sahai, R. Claussen, M. Morris, M.	JPL NRAO UCLA	Interlopers producing bow shocks in the interstellar medium	1.3, 3.6	5,6,7,8,9,10	22.63
AS983	Soderberg, A. Bartel, N. Bietenholz, M. Chevalier, R. Fransson, C.	Princeton York York UVa Stockholm	Revealing the progenitors of SNe Ibc and the nature of GRB-SN connection	3.6	11,27	2.29
AS985	Santos-Costa, D. Bolton, S. Sault, R.	Southwest Research Southwest Research Melbourne	Observing Short-Term Variations in Jupiter's Radiation-Belt Emission	6, 20	3, 3, 23, 29, 30	26.11
AS996	Skilton, J. Aharonian, F. Brucker, J. Cheung, C. Dubus, G. Fiasson, A. Funk, S. Galant, Y. Hinton, J. Marcowith, A. Pandey-Pommier, M. Reimer, O.	Leeds Dublin Erlangen-Nurnberg NASA Grenoble Montpellier II Stanford Montpellier II Leeds Montpellier II Leiden Stanford	Spectral properties of the likely new gamma ray binary HESS J0632+057	6	1	4.15
AU126	Ulvestad, J. Barth, A. Bentz, M. Greene, J. Ho, L.	NRAO Calif.-Irvine Calif.-Irvine Princeton Carnegie Obs.	Multiple AGNs in NGC 3341	6	14	11.01
AV312	van Weeren, R. Rottgering, H. Bruggen, M. Cohen, A.	Leiden Leiden Jacobs Bremen NRL	Unraveling the Nature of Diffuse Ultra Steep Spectrum Sources	20	10	14.52
AW760	Wang, K. Zhang, Q.	CfA CfA	Turbulent fragmentation in the early phase of cluster formation	1.3	13,29	5.49

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
BB268	Brunthaler, A. Sjouwerman, L. Garrett, M. Loinard, L.	MPIFR NRAO-Socorro NFRA UNAM	Detecting the Nucleus of M31	6, 20 Phased array VL81+ 2.5h Y1	1	12.40
S1286	Fox, D. Berger, E. Cenko, S. Chandra, P. Cucchiara, A. Frail, D. Kasliwal, M. Kulkarni, S. Nakar, E. Ofef, E. Quimby, R. Rau, A.	Penn State Princeton Caltech UVA Penn State NRAO Caltech Caltech Caltech Caltech Caltech	GRB Energetics in the GLAST Era	4	1	1.44
DYNAMI			Dynamic scheduling			266.6
	Staff	NRAO	Baselines, Pointing, Delays			34.0
			Maintenance			62.0
			Polarization Calibrator Monitoring			12.0
			Software			56.0

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	Actual Hours	Percentage
Astronomy	462.43	69.03
Unscheduled	2.35	0.35
Maintenance	62.00	9.26
Test/Calc	143.09	21.36
Total	669.87	100.00

Average downtime measured in antenna hours was 13.81% of scheduled antenna hours, distributed as:

System	Percentage
Cryogenics	1.33
Electrical	2.69
EVLA	58.17
EVLA Computers	0.47
FOC/ROT	0.08
Front End	15.62
HVAC	0.35
Interference	6.09
LO/IF	6.54
Mechanical	0.57
Monitor/Control	0.96
Obs. Program	3.29
Other	1.01
Power Supply	0.01
Servo	1.61
Site Power	0.01
VLA Correlator	0.85
Weather	0.34

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AB1301	Berger, E.	Carnegie	Is rotation the fundamental parameter in fully-convective stellar dynamos?	3.6	3,7,8,9,10,11,22	10.81
AB1311	Bonafede, A. Feretti, L. Giovannini, G. Govoni, F. Murgia, M.	INAF-Bologna INAF-Bologna INAF-Bologna INAF-Bologna INAF-Bologna	Magnetic field amplification in the Coma Relic region	6, 20	3, 10, 18	15.99
AB1323	Berger, E. Fon, W-F. Soderberg, A.	Harvard Harvard Princeton	Radio observations of short-duration gamma-ray bursts	3.6, 20	16	1.99
AB1328	Brunthaler, A. Bower, G. Falcke, H. Henkel, C. Menten, K. Reid, M.	MPIfR Calif., Berkeley Nimjegen MPIfR MPIfR CFA	New radio supernova in M82?	6,20\	24	3.14
AB1338	Bower, G. Bolatto, A. Ford, E. Kalas, P. Viscomi, V.	Calif., Berkeley Maryland Florida Calif., Berkeley Calif., Berkeley	Radio flux of a nearby M dwarf hosting an environment	3.6	18,21,28,31	3.89
AB1339	Berger, E. McLean, M.	Harvard Harvard	Search for radio emission from a new M Dwarf eclipsing binary	3.6	11	1.86
AC948	Cyganowski, C. Brogan, C. Hunter, T. Churchwell, E.	Wisconsin at Madison NRAO-CV NRAO-CV Wisconsin	Radio Continuum Survey of GLIMPSE Extended Green Objects (EGOs)	1.3, 3.6	9, 16	17.50
AC954	Codella, C.	Arcetri	Molecular jets from intermediate-mass protostars	0.7	14,16,17,20,24,25,27	15.80
AD604	Dowell, J. van Zee, L.	Indiana Indiana	Deciphering the Nature of Unusually Extended Galactic Disks	20 line	24	7.10
AD606	Daddi, E. Carilli, C. Walter, F. Dannerbauer, H. Bournaud, F. Morrison, G. Riechers, D. Dickinson, M. Stern, D. Elbaz, D. Onodera, M. Krips, M.	CEA NRAO-Socorro MPIA MPIfR CEA Hawaii-CFHT Caltech NOAO JPL CEA CEA CFA	Molecular gas tomography of a z=1.5 massive spiral galaxy	0.7 line	4, 5, 6	5.77
AD615	Devaraj, K. Butler, B. Hesman, B. Steffes, P.	Georgia Tech NRAO NRAO Georgia Tech	Disturbance of troposphere of Jupiter caused by a recent impact	3.6, 1.3	22,23,26,27	8.30
AD616	Devaraj, K. Butler, B. Steffes, P.	Georgia Tech NRAO Georgia Tech	Short term variations in synchrotron emission from Jupiter due to recent impact	20	29,30	7.22
AE174	Eyres, S. Bode, M. Darnley, M. Evans, N. Hounsell, R. O'Brien, T. Ribeiro, V. Wesson, R.	Lancashire John Moores John Moores Keele John Moores Manchester John Moores London	V458 Vul - classical nova for the first time	6, 20	13,16	1.77
AF481	Forbrich, J. Preibisch, T. Menten, K.	CFA Maximilians Univ. MPIfR	Directly probing the radio emission of a Herbig Be star in an eclipsing binary	3.6, 6	10, 30	9.27
AF482	Freeland, E. Wilcots, E.	Wisconsin Wisconsin	Shocking discoveries in galaxy groups	20	1,3,9,24	10.58
AG797	Green, D.A. Reynolds, S. Borkowski, K. Hwang, U. Harrus, I. Petre, R.	Cambridge North Carolina State North Carolina State NASA-GSFC NASA-GSFC NASA-GSFC	First epoch high-resolution observations of G1.9+0.3	20	19	0.75
AG816	Georgakakis, A. Clements, D. Hopkins, A.	Athens Imperial College Sydney	Searching for young radio jets in reddened 2MASS QSOs	3.6, 6, 20	6,18,24	1.20
AH1001	Ho, L. Greene, J.	Carnegie Princeton	Constraints on a central black hole in the globular cluster M54	3.6	12,16,23	3.92

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AH982	Hardcastle, M.H. Harris, D.E. Massaro, F.	Hertfordshire Cfa Cfa	Physical conditions in the extended emission-line region of 3C305	1.3	2	5.16
AH991	Hoare, M. Lumsden, S. Oudmaijer, R. Trigilio, C. Umaña, G. Urquhart, J.	Leeds Leeds Leeds INAF INAF Leeds	Accurate positions of class I methanol masers associated with massive YSOs	0.7	30	.94
AI128	Irwin, J. Galliano, F. Irwin, J. Madden, S.	Queens Univ. CEA Queens Univ. CEA	HI observations of dwarf galaxies in Herschel guaranteed time survey	20	6,10,14,15,1 6,17,18,26	12.10
AI129	Iverson, R. Carilli, C. Chapman, S. Papadopoulos, P. Smail, I.	Edinburgh NRAO Cambridge Bonn Durham	Imaging CO (1-0) in lensed submm galaxies		28,30,31	4.67
AI132	Iverson, R. Wagg, J.	UK Astronomy Tech NRAO-Socorro	Water masers in distant CO-luminous AGN/starbursts	6 line	4, 5, 6	21.53
AI136	Iverson, R. Baker, A. Edge, A. Hainline, L. Harris, A. Smail, I. Swinbank, M.	Edinburgh Rutgers Durham Maryland Maryland Durham Durham	Radio properties of the brightest high z sub mm galaxy	0.9, 3.6	9,12	3.90
AJ355	Jetha, N. Hardcastle, M.	CEA Hertfordshire	Feedback in galaxy groups - heating, cooling and radio source duty cycles	6, 20	7	2.82
AK706	Chandra, P. Cenko, B. Fox, D. Frail, D. Kasliwal, M. Kulkarni, S.	NRAO Caltech Penn State NRAO Caltech Caltech	GRBs:Engines, Energetcis in the GeV era	3.6	5,10,11,20,2 2,23,25,28	4.63
AL732	Liu, H. Takahashi, S. Ho, P.	ASIAA ASIAA ASIAA	Resolving The Contracting Molecular Gas Around The Massive OB Cluster At 1''	0.7, 1.3 line	17, 27	4.98
AL735	Leroy, A. Brinks, E. Schrubba, A. Walter, F.	MPIfR Hertfordshire MPIA MPIfR	Formation of molecular gas and stars from HI	20	4,5,6	18.32
AM938	Mittal, R. Clarke, T. Hudson, D. Reiprich, T. Nulsen, P.	Bonn NRL Bonn Bonn Cfa	Scrutinizing the AGN-regulated feedback in galaxy clusters	90	18	7.0
AM942	Boeker, T. Lisenfeld, U. Martini, P. Schinnerer, E.	ESA Granada Ohio State MPIfA	Testing the Schmidt Law at the end of the Hubble Sequence	20	30	2.21
AM984	Mack, K. Bruni, G. Montenegro-Montes, F. Salerno, E. Benn, C. Carballo, R. Gonzalez-Serrano, J. Holt, J. Jimenez Lujan, F.	INAF-Bologna INAF-Bologna IRA-Bologna INAF-Bologna ING-La Palma Cantabria Catalunya Leiden Cantabria	The Radio Spectra of Radio-Loud Broad Absorption Line Quasars	0.7, 1.3, 3.6, 6, 20	20, 20, 25	39.51
AM986	Miller-Jones, J. Brisken, W. Hawke, I. Jonker, P. Joseph, T. Kalogera, V. Maccarone, T. Nelemans, G. Sarazin, C.	NRAO NRAO Southampton Cfa Southampton Northwestern Southampton Nijmegen Virginia	Constraining black hole formation with VLBI astrometry	3.6	1,7,12,15,23 ,24	6.68
AM989	Murphy, E. Kenney, J. van Gorkom, J. Helou, G.	IPAC Yale University Columbia Caltech-Spitzer	Measuring Ram Pressure in Virgo Cluster Galaxies	20	11, 12	20.45

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Prog#	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AM991	Miller-Jones, J. Fender, R. Heinz, S. Koerding, E. Maitra, D. Markoff, S. Migliari, S. Remillard, R. Rupen, M. Russell, D. Sarazin, C. Sivakoff, G.	NRAO Southampton Wisconsin Koerding Amsterdam Amsterdam Calif., San Diego UMASS NRAO Amsterdam UVa UVa	Probing acceleration and collimation in stellar-mass compact objects	0.7, 3.6, 6, 20	4,7,8,9,12,1 4,20	6.26
AP570	Partridge, R.B. Burke, S. Lahteenmaki, A. Myers, S. Sajina, A. Tomiainen, I. Tomikoski, M. Valtaoja, E.	Haverford Swinburne Matsahovi NRAO Haverford Metsahovi Matsahovi Turku	Low frequency spectra of radio sources detected by the Planck Satellite	3.6,6, 20	24	2.02
AP571	Portas, A. Filho, M. Brinks, E.	Hertfordshire Portugal Hertfordshire	Probing the HI disk in NGC765	20 line	12, 13	9.21
AR690	Rottgering, H. van Weeren, R.	Leiden Leiden	Towards the First Sample of Giant Peripheral Radio Relics	20	21, 23	16.66
AR691	Ricci, L. Isella, A. Natta, A. Testi, L.	ESO Caltech Arcetri ESO	Mapping the dust grain growth in the protoplanetary disk around RY Tau	0.7, 3.6	10,11	3.99
AR692	Riechers, D. Wagg, J. Carilli, C. Walter, F. Weiss, A. Momjian, E.	Caltech NRAO-Socorro NRAO-Socorro MPIA MPIFR NRAO-Socorro	Dense Gas Excitation in Nuclear Starbursts at Redshift 4	0.9 line	13, 17, 31	18.24
AR693	Riechers, D. Daddi, E. Carilli, C. Dannerbauer, H. Walter, F. Morrison, G. Krips, M. Dickinson, M. Elbaz, D.	Caltech CEA NRAO-Socorro MPIFR MPIA Hawaii-CFHT CfA NOAO CEA	Total Molecular Gas Masses of $z > 4$ Submillimeter Galaxies	1.3 line	19, 24, 26	19.52
AS962	Stockdale, C. Immler, S. Marcaide, J-M. Panagia, N. Pooley, D. Ryder, S. Sramek, D. VanDyk, S. Weiler, K. Williams, C.	Marquette NASA Valencia STScI Wisconsin AAO NRAO AAO NRL MIT	ToO Obs. of core collapse SN (Type II)	1.3, 3.6, 400	2,3,5,9,11,1 2	10.29
AS979	Sarma, A. Momjian, E.	DePaul NRAO	36 GHz methanol maser Zeeman effect	0.9	9.25	3.15
AS983	Soderberg, A. Bartel, N. Bietenholz, M. Chevalier, R. Fransson, C.	Princeton York York UVa Stockholm	Revealing the progenitors of SNe Ibc and nature of GRB-SN connection	3.6	5,18,27	2.75
AS984	Sanchez-Monge, A. Kurtz, S.	Barcelona UNAM	Deciphering the molecular gas motions around g75.78+0.34	1.3 line	1, 3, 6	18.80
AS985	Santos-Costa, D. Bolton, S. Sault, R.	Southwest Research Southwest Research Melbourne	Observing Short-Term Variations in Jupiter's Radiation-Belt Emission	6, 20	6, 8, 22	18.91
AV312	van Weeren, R. Rottgering, H. Bruggen, M. Cohen, A.	Leiden Leiden Jacobs Bremen NRL	Unraveling the Nature of Diffuse Ultra Steep Spectrum Sources	20	14, 29, 31	4.96
AW760	Wang, K. Zhang, Q.	CfA CfA	Turbulent fragmentation in the early phase of cluster formation	1.3	14,16	6.95
AY194	Yusef-Zadeh, F.	Northwestern	Nature of the filamentary system G359.49-0.12	6	18	6.66

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
BB268	Brunthaler, A. Sjouwerman, L. Garrett, M. Loinard, L.	MPIFR NRAO-Socorro NFRA UNAM	Detecting the Nucleus of M31	6, 20 Phased array VLBI	18	14.14
BM290	Miller-Jones, J.C.A. Rupen, M.P. Mioduszewski, A.J. Dhawan, V. Gallo, G. Jonker, P.G. Briskin, W.	NRAO-CV NRAO-Socorro NRAO-Socorro NRAO-Socorro Calif.-Santa Barbara CfA NRAO-Socorro	Direct geometric distance to a quiescent black hole X-ray binary	3.6 Phased array VLBI	3	4.90
DYNAMI			Dynamic scheduling			203.0
STUD			Students		5, 7	3.74
	Staff	NRAO	Baselines, Pointing, Delays			40.0
			Maintenance			79.1
			Polarization Calibrator Monitoring			12.0
			Software			65.0

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	Actual Hours	Percentage
Astronomy	458.45	65.65
Unscheduled	1.48	0.21
Maintenance	79.10	11.33
Test/Calc	159.33	22.81
Total	698.36	100.00

Average downtime measured in antenna hours was 9.05% of scheduled antenna hours, distributed as:

System	Percentage
Antenna Pads	1.85
Cryogenics	1.54
EVLA	46.47
EVLA Computers	0.01
FOC/ROT	0.04
Front End	22.67
HVAC	2.00
Interference	0.02
LO/IF	8.12
Mechanical	3.97
Monitor/Control	1.74
Obs. Program	0.54
Other	2.98
Servo	6.48
Site Power	1.28
Weather	0.28

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AA320	Alves, F. Girart, J-M. Rao, R. Torrelles, J.-M. Vlemmings, W.	Catalunya Catalunya Hawaii Catalunya Manchester	Probing magnetic fields in collapsing magnetized cores through H2O masers	1.3	15	3.25
AB1301	Berger, E. Reiners, A.	Carnegie Georg-August-Univ. G	Is rotation the fundamental parameter in fully-convective stellar dynamos?	3.6	6,10,15,18,19,21,22	9.19
AB1311	Bonafede, A. Feretti, L. Giovannini, G. Govoni, F. Murgia, M.	INAF-Bologna INAF-Bologna INAF-Bologna INAF-Bologna INAF-Bologna	Magnetic field amplification in the Coma Relic region	6, 20	26, 28	12.0
AB1322	Bujarrabal, V. Alcolea, J.	OAN OAN	Dust emission from Gomez's Hamburger, a spectacular protoplanetary disk	0.7	11	2.82
AB1324	Bartkiewicz, A. Szymczak, M. Pihlstrom, Y. van Langevelde, H. Brunthaler, A.	Torun Torun UNM JIVE MPIfR	Search for water masers toward massive protostars	1.3 line	4, 5	19.20
AB1327	Bietenholz, M. Bartel, N. Soderberg, A.	York York Princeton	Search for radio emission from Off-Axis Gamma-ray burst jets	3.6	7	3.93
AC938	Chandra, P. Chevalier, R. Chugai, N. Fransson, C. Soderberg, S.	NRAO UVA Inst. of Astronomy Stockholm Princeton	Exploring the mysterious Type IIn SN within 150 Mpc	3.6	5,7	0.96
AC942	Cheung, C. Chaty, S. Funk, S. Hays, E. Kadler, M. Reimer, O. Thompson, D.J. Torres, D.F.	NASA CEA Stanford NASA NASA Stanford GSFC Catalunya	Prompt VLA followup of flaring/transient GLAST-LAT sources in the galactic	20	5,16,13,26	0.91
AC960	Cerrigone, L. Menten, K. Trigilio, C. Umana, G.	MPIfR MPIfR INAF INAF	Flux density variations in recently ionized Planetary nebulae	3.6, 6	5,7,9,15,16,19,23	9.35
AC963	Cannon, J. Kellar, J. Salzer, J. Rosenberg, J.	MacAlester Wesleyan Wesleyan George Mason	Making Hay With ALFALFA: The Discovery Of Ubiquitous "H-Alpha Dots"	20 line	...	53.50
AC966	Chandra, P. Frail, D.	NRAO NRAO	Continued observations of the highest redshift gamma-ray burst	3.6	1,19,26	7.63
AD604	Dowell, J. van Zee, L.	Indiana Indiana	Deciphering the Nature of Unusually Extended Galactic Disks	20 line	23, 29	14.17
AF481	Forbrich, J. Menten, K. Preibisch, T.	CfA MPIfR Ludwig Maximilians U	Directly probing the radio emission of a Herbig Be star in an eclipsing binary	3.6	26	0.95
AF482	Freeland, E. Wilcots, E.	Wisconsin Wisconsin	Shocking discoveries in galaxy groups	20	18,19,20,22,23,24,25,27,30	40.56
AG806	Giozzi, M. Cheung, C. Satyapal, S.	George Mason NASA-Goddard George Mason	A VLA view of NGC3621: a bulgeless galaxy hosting an AGN?	3.6, 6, 20	7	4.31
AG816	Georgakakis, A. Clements, D. Hopkins, A.	Athens Imperial Sydney	Searching for young radio jets in reddened 2MASS QSOs	20	11,16,25,29,30	2.81
AG818	Guzman, A. Garay, G. Brooks, K.	Chile Chile ATNF	Search for jets towards high-mass YSOs	1.3, 3.6, 6, 20	12, 13	13.0
AI128	Irwin, J. Galliano, F. Irwin, J. Madden, S.	Queen's University CEA Queens University CEA	HI Obs. of dwarf galaxies in Herschel guaranteed time survey	20	20,24,26	3.04
AI132	Ivison, R. Wagg, J.	UK Astronomy Tech NRAO-Socorro	Water masers in distant CO-luminous AGN/starbursts	6 line	27, 28, 29	21.13

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AK706	Kulkarni, S. Cenko, B. Chandra, P. Fox, D. Frail, D. Harrison, F. Kasliwal, M.	Caltech Caltech NRAO Penn State NRAO Caltech Caltech	GRBs:Engines, energetcis (and Engimas) in the GeV era	3.6	19,20,23,27	3.21
AL736	Lang, C. Drout, M. Cotera, A. De Pree, C.	Univ. Iowa Univ. Iowa SETI Inst. Agnes Scott	Recombination Lines from Pillars of Star Formation in the Sickle (G0.18-0.04)	0.7, 1.3	11	7.26
AM986	Miller-Jones, J. Briskin, W. Hawke, I. Jonker, P. Joseph, T. Kalogera, V. Maccarone, T. Nelemans, G. Sarazin, C.	NRAO NRAO Southampton CfA Southampton Northwestern Southampton Radboud UVA	Constraining black hole formaion with VLBI astrometry	3.6	1,5-19,21,22 ,25,26,30	37.72
AM987	Melis, C. Perrin, M. Palmer, P. Duchene, G. Maness, H.	Calif.-Los Angeles Calif.-Los Angeles Chicago Calif.-Los Angeles Calif.-Berkeley	Planet Forming Disks Around Intermediate-Mass Stars: The Case of PDS 144	0.7, 3.6, 6	1, 8, 9, 14	17.01
AM990	Masque, J. Beltran, M. Estalella, R. Girart, J-M. Rodriguez, L.	Barcelona Barcelona Barcelona Catalunya UNAM	Observign the northern head of the HH 80/81/80N jet at cm wavelengths	6,2 0	21	6.33
AM991	Miller-Jones, J. Fender, R. Heinz, S. Koerding, E. Maitra, D. Markoff, S. Migliari, S. Remillard, R. Rupen, M. Russell, D. Sarazin, C. Sivakoff, G.	NRAO Southampton Wisconsin Koerding Amsterdam Amsterdam Calif., San Diego MIT NRAO Amsterdam UVA UVA	Probing jet acceleration and collimation in stellar-mass compact objects	20	2,7,9,11,14, 15,16,17,18, 19,23,25,27, 29,30	9.48
AM992	Mioduszewski, A. Loinard, L. Torres, R.M.	NRAO UNAM UNAM	Search for close by K band calibrators for V773 Tau	1.3	15	2.50
AQ021	Quinn, L. Fuller, G. Caswell, J.	Manchester Manchester CSIRO	New Excited OH Masers from the MMB Survey	6, 20 line	3, 8	6.88
AR691	Ricci, L. Isella, A. Natta, A. Testi, L.	ESO Caltech Arcetri ESO	Mapping the dust grain growth in the protoplanetary disk around RY Tau	0.7	5,8,9,12,14, 16,19,20	13.37
AS959	Shepherd, D. Churchwell, E. Maddalena, R. Johnston, K. Cyganowski, C. Povich, M.	NRAO-Socorro Wisconsin NRAO-GB St. Andrews Wisconsin Wisconsin	The Ionized Gas Content in the Galactic Bubble N49	3.6	21	3.82
AS962	Sramek, R. Immler, S. Marcaide, J-M. Panagia, N. Pooley, D. Ryder, S. VanDyk, S. Weiler, K. Williams, C.	NRAO NASA Valencia STScI Wisconsin AAO Spitzer NRL MIT	ToO Obs. of core collapse SN (Type II)	1.3, 3.6, 400	27,28,29	2.85
AS977	Stanonik, K. van Gorkom, J. Platen, E. Aragon-Calvo, M. van de Weygaert, R. van der Hulst, J. Peebles, P.	Columbia Columbia Kapteyn Johns Hopkins Kapteyn Kapteyn Princeton	Our Friendly Neighborhood Void Galaxy	20 line	2, 8	11.04

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AS978	Salerno, E. Benn, C. Bruni, G. Carballo, R. Gonzalez-Serrano, J. Holt, J. Jimenez Lujan, F. Mack, K.-H. Montenegro-Montes, F	INAF IAC INAF Cantabria Cantabria Leiden Cantabria INAF INAF	Multi-frequency study of BAL QSO radio variability	3.6, 1.3	8,9,12	5.75
AS981	Sanchez-Monge, A. Busquet, G. Estalella, R. Palau, A.	Barcelona Barcelona Barcelona LAEFF	Elucidating the nature of the centimeter emission toward two massive protostars	0.7	28,29	4.44
AS983	Soderberg, A. Bartel, N. Bietenholz, M. Chevalier, R. Fransson, C.	Princeton York U. York UVA Stockholm	Revealing the progenitors of SNe Ibc and nature o the GRB-SN connection	3.6	2,5,6,10,12, 17,23,25	7.30
AS985	Santos-Costa, D. Bolton, S. Sault, R.	SW Research Institut SW Research Institut Univ. of Melbourne	Observing short term variations in Jupiter's radiation-belt emission	6	22	3.15
AU125	Umana, G. Buemi, C. Leto, P. Trigilio, C.	INAF INAF INAF INAF	Radio nebula around HD 168625	1.3, 3.6	1,25	3.73
AV309	Vlemmings, W. Claussen, M. Fendt, C. Surcis, G.	Univ. Bonn NRAO MPIfR Univ. Bonn	Probing magnetic launching of the HH 212 jet with water masers	1.3	7	0.51
AV312	van Weeren, R. Rottgering, H. Bruggen, M. Cohen, A.	Leiden Leiden Jacobs Bremen NRL	Unraveling the Nature of Diffuse Ultra Steep Spectrum Sources	20	11	3.98
AV313	van Gorkom, J. Schweizer, F. Donovan, J. seitzer, p. Fernandez, M.	Columbia DTM Columbia Michigan Columbia	HI Imaging of a Prototypical "Wet" Merger, NGC 34	20 line	1, 4	12.65
AW755	Walker, L. Dirienzo, W. Johnson, K.	Virginia Virginia Virginia	HI Masses of Galaxies in Hickson Compact Groups	20 line	6, 8, 12, 13, 14	32.08
AZ183	Zapata, L. Schilke, P. Leurini, S.	MPIfR MPIfR ESO	In search of compact accreting dusty disks in the high-mass-SFR IRAS17233-3606	0.7	6	4.98
BB273	Bietenholz, M. Soderberg, A. Bartel, N. Phillips, C. Tzioumis, A. Wieringa, M. Horiuchi, S.	York Princeton York ATNF ATNF ATNF Canberra	Resolving a Hypernova Jet in SN 2009bb	3.6 ToO Phased array VLBI	11	3.87
BM305	Momjian, E. Wang, W. Carilli, C.	NRAO-Socorro NRAO-Socorro NRAO-Socorro	Resolving the Radio Emission of the Luminous SMM Galaxy GOODS 850-16	20 Phased array VLBI	27	7.23
SA007	Miller, J. Cackett, E. Fabian, A. Markoff, S. Nowak, M. Rupen, M.	Michigan Michigan Cambridge Amsterdam MIT NRAO	Disk jet connection in Seyfert 1 AGN		5, 23	1.91
DYNAMI			Dynamic scheduling			267.0
	Staff	NRAO	Baselines, Pointing, Delays			34.0
			Maintenance			78.4
			Polarization Calibrator Monitoring			12.0
			Software			62.0

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	Actual Hours	Percentage
Astronomy	435.78	65.27
Unscheduled	3.96	0.59
Maintenance	78.40	11.74
Test/Calc	149.52	22.39
Total	667.66	100.00

Average downtime measured in antenna hours was 10.72% of scheduled antenna hours, distributed as:

System	Percentage
Antenna Pads	0.90
Cryogenics	0.53
EVLA	23.79
EVLA Computers	0.51
FOC/ROT	0.40
Front End	3.66
HVAC	0.08
LO/IF	2.74
Mechanical	5.83
Obs. Program	4.38
Other	0.03
Power supply	0.35
Servo	3.16
Site Power	0.63
VLA Correlator	5.12
Weather	0.19
WIDAR Testing	0.06

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AA325	Audard, M. Carmona, A. Fontani, F. Guedel, M. Gueth, F. Saavedra, C. Skinner, S. Stringfellow, G. Walter, F.	Geneve Geneve INAF Zurich IRAM Geneve Boulder Boulder SUNY	Catching the young star V1647 Ori in outburst	3.6	8	2.78
AB1299	Bonafede, A. Feretti, L. Govoni, F. Murgia, M. Giovannini, G. Taylor, G.B. Dallacasa, D.	INAF-Bologna INAF-Bologna INAF-Bologna INAF-Bologna INAF-Bologna New Mexico Bologna	The Coma cluster magnetic field	6	10, 12	10.71
AB1301	Berger, E. Reiners, A.	Carnegie Goettingen	Is rotation the fundamental parameter in fully-convective stellar dynamos?	3.6	2,3,6,14,17,18-20	9.40
AB1311	Bonafede, A. Feretti, L. Giovannini, G. Govoni, F. Murgia, M.	INAF-Bologna INAF-Bologna INAF-Bologna INAF-Bologna INAF-Bologna	Magnetic field amplification in the Coma Relic region	20	1	6.38
AB1312	Berger, E. McLean, M.	Harvard Harvard	An in-depth study of two new radio active late-M dwarfs	3.6	10,11	2.69
AB1314	Becker, R. White, R. Helfand, D. Richards, G. Hodge, J. Zeimann, G.	Calif.-Davis STScI Columbia Drexel Calif.-Davis Calif.-Davis	A FIRST complement to SDSS-III	20 LARGE	...	92.85
AB1323	Berger, E. Fong, W-F. Soderberg, A.	Harvard Harvard Princeton	Radio observations of short-duration gamma-ray bursts	3.6, 20	16	1.93
AB1325	Begum, A. Stanimirovic, S. Goss, M. Heiles, C. Hennebelle, P.	Wisconsin Wisconsin NRAO-Socorro Calif.-Berkeley Paris Obs.	The thermally-unstable warm neutral medium: key for modeling the ISM	20 line	21, 22, 23, 24, 25, 26	48.27
AB1327	Bietenholz, M. Bartel, N. Soderberg, A.	York York Princeton	Search for radio emission from Off-Axis Gamma Ray burst jets	3.6	28,29	7.53
AC933	Cheung, C.C. Harris, D.E.	NASA-Goddard CfA	Tracking the Aftermath of the Giant Flare in the M87 Jet	0.7, 1.3	3	7.51
AC934	Chomiuk, L. Freeland, E. Everett, J. Wilcots, E. Zweibel, E. Keddie-Hill, C.	Univ. of Wisconsin Wisconsin Wisconsin Wisconsin Univ. of Wisconsin Agnes Scott	Resolving a Magnetized Superbubble in the Center of Spiral Galaxy NGC 3631	6	11	11.02
AC938	Chandra, P. Chevalier, R. Chugai, N. Fransson, C. Soderberg, A.	NRAO UVA Inst. of Astronomy Stockholm Princeton	Exploring the mysterious Type IIIn SN within 150 Mpc	3.6	9	0.46
AC941	Clarke, T. Sarazin, C.	NRL UVA	Resolving the nature of the unusually steep spectrum source in Abell 1914	90, 400	2	2.05
AC948	Cyganowski, C. Brogan, C. Hunter, T. Churchwell, E.	Wisconsin at Madison NRAO-CV NRAO-CV Wisconsin	Radio Continuum Survey of GLIMPSE Extended Green Objects (EGOs)	1.3, 3.6	7, 13	15.95
AC963	Cannon, J. Kellar, J. Rosenberg, J. Salzer, J.	Macalester Wesleyan George Mason Indiana	Making hay with ALFALFA	20	30,31	5.53
AC966	Chandra, P. Frail, D.	NRAO NRAO	Continued obs. of the highest redshift gamma-ray burst	3.6	10,15,20,22,27	9.39

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AD600	Daddi, E. Carilli, C. Dannerbauers, H. Dickinson, M. Elbaz, D. Morrison, G. Riechers, D. Stern, D. Walter, F.	CEA NRAO MPIFA NOAO CEA Hawaii Caltech JPL MPIFA	Gas morphology and kinematics in two $z=4.05$ submm galaxies at 1 kpc resolution	0.7	18,29,20	9.91
AE174	Eyres, S. Bode, M. Darnley, M. Evans, N. Hounsell, R. O'Brien, T. Ribeiro, V. Wesson, R.	Lancashire John Moores John Moores Keele John Moores Manchester John Moores London	V458 Vul-a classical nova for the first time	6,20	20,31	1.85
AF483	Frail, D.A.	NRAO	Confirming methanol masers toward the SN remnant Kes 79	0.7	3, 13	1.41
AG795	Gitti, M. Feretti, L. Brunetti, G.	OAN INAF-Bologna INAF-Bologna	Solving the puzzle of the peculiar radio source in the cool core cluster A 2626	6, 20	4	6.35
AG807	Guirado, J. Jimenez-Monferrer, S Marcaide, J-M. Marti-Vidal, I.	Valencia Valencia Valencia Valencia	Search for radio emission in the ABD or moving group	3.6	7	1.33
AG816	Clements, D. Georgakakis, A. Hopkins, A.	Imperial College Athens Sydney	Searching for young radio jets in reddened 2MASS QSOs	20	30	0.48
AH980	Hyman, S. Kassim, N. Lazio, J. Pal, S. Ray, P. Roy, S. Wijnands, R.	Sweet Briar NRL NRL Tata NRL NFRA Amsterdam	Monitoring for transient radio sources in the Galactic Center	90	15,31	2.71
AK706	Chandra, P. Cenko, B. Fox, D. Frail, D. Harrison, F. Kasliwal, M. Kulkarni, S.	NRAO Caltech Penn State NRAO Caltech Caltech Caltech	GRBs:Engines, energetics (and Enigmas) in the GeV era	3.6	1,3,5,8,9,12 ,13,14	15.72
AK709	Koerding, E. Dhawan, V. Fender, R. Knigge, C. Rupen, M.	Southampton NRAO Southampton Southampton NRAO	Survey of cataclysmic variable outbursts	3.6	26	1.80
AL731	Leroy, A. Bolatto, A. Brinks, E. Calzetti, D. deBlok, E. Kennicutt, R. Schinnerer, E. Walter, F.	MPIFA Maryland Hertfordshire Amherst ANU Cabridge MPIFA MPIFA	Expanding THINGS to span nearby star-forming environments	20	5,8,9,10,15, 16,17,18	25.13
AL739	Wrobel, J. Laor, A.	NRAO Israel	Radio constraints on the quasar SDSS J153636.22, a candidate binary black hole	1.3	21,27	5.30
AM970	Morris, K. Butler, B.	NRAO-Socorro NRAO-Socorro	Radio Observations of Venusian Lightning	20	14	1.80
AM974	Martin-Pintado, J. Chandler, C. Martin, S. Jimenez-Serra, I. Rodriguez-Franco, A. Rivilla, V.	IEM-CSIC NRAO-Socorro Caltech CSIC CSIC Consejo Superior de	Catching the formation of superclusters in Arp220	0.7 line	4, 7, 8, 14	35.79
AM978	Melis, C. Reid, M. Stauffer, J.	UCLA Cfa Caltech	Towards a VLBA resolution of the Pleiades distance controversy	3.6	1,2,3	9.81

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Progam	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AM979	Malkan, M. Hatsukade, B. Hayashi, M. Iono, D. Iye, M. Kohnno, K. Ly, C. Morokuma, T. Motohara, K. Nagao, T. Nakanishi, K. Ota, K. Shimasaku, K.	UCLA Tokyo Tokyo Tokyo NAOJ Tokyo UCLA Tokyo NAOJ Ehime NAOJ Riken's Tokyo	Evolution of AGNs and star-forming galaxies at $z > 1$	20	2	2.78
AM991	Miller-Jones, J. Fender, R. Heinz, S. Koerding, E. Maitra, D. Markoff, S. Remillard, R. Rupen, M. Russell, D. Sarazin, C. Sivakoff, G.	NRAO Southampton Wisconsin Energie Atomique UVA UVA MIT NRAO UVA UVA UVA	Probing jet acceleration and collimation in stellar mass compact objects	0.7, 1.3, 3.6, 6, 20	27,30	1.87
AM994	Anglada, G. Mayen Gijon, J.M. Carrasco-Gonzalez, C Gomez, J.F. Lizano, S. Osorio, M. Rodriguez, L.F.	IAA IAA IAA IAA UNAM IAA UNAM	Continuum emission in G31	1.3	16	1.88
A0249	Barvainis, R. Behar, E. Kaspi, V. Laor, A. Orsky, E.	NSF Israel Tel Avid Israel Israel	Continuation of the VLA-RXTE monitoring of radio quiet AGN	3.6	3,8,9,14,15, 16,17,19	8.51
A0252	Osorio, M. Anglada, G. Carrasco-Gonzalez, C Choi, M. Lefloch, B. Rho, J.	IAA IAA IAA Korea Grenoble Caltech	VLA continuum obs. of star forming cores in the Trifid nebular	1.3, 3.6, 0.7	23	1.85
AR685	Richards, G. Becker, R. Brandt, N. Fan, X. Hodge, J. Jester, S. Kratzer, R. Lacy, M. Schneider, D. Strauss, M. White, R.	Drexel Calif., Davis Penn State Arizona Calif., Davis MPIFA Drexel Caltech Penn State Princeton STSci	Deep VLA Obs. of SDSS Stripe 82	20	6	0.44
AR690	Rottgering, H. van Weeren, R.	Leiden Leiden	Towards the First Sample of Giant Peripheral Radio Relics	20	30	2.78
AS929	Soderberg, A. Chevalier, R. Madore, B. Strauss, M.	Princeton UVA Carnegie Princeton	Toward an understanding of the progenitors of Type Ibc SN	3.6	13,20,21,22, 27,30,31	7.86
AS962	Stockdale, C. Immler, S. Marcaide, J-M. Panagia, N. Pooley, D. Ryder, S. Sramek, D. Van Dyk, S. Weiler, K. Williams, C.	Marquette NASA Valencia STSci Wisconsin AAO NRAO Spitzer NRL MIT	ToO Obs. of Core collapse SN (Type II)	1.3, 3.6, 400, 6	1,7,8	2.74

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AS971	Skilton, J. Aharonian, F. Brucker, J. Cheung, C. Dubus, G. Fiasson, A. Funk, S. Gallant, Y. Hinton, J. Markowitch, A. Pandey-Pommier, M. Reimer, O.	Leeds Dublin Erlangen-Numberg NASA Grenoble Montpellier II Stanford Montpellier II Leeds Montpellier II Leiden Stanford	Search for orbital period of the new gamma ray binary HESS J0632+057	6	9,10,16,17,18	13.17
AS977	Stanonik, K. van Gorkom, J. Platen, E. Aragon-Calvo, M. van de Weygaert, R. van der Hulst, J. Peebles, P.	Columbia Columbia Kapteyn Johns Hopkins Kapteyn Kapteyn Princeton	Our Friendly Neighborhood Void Galaxy	20 line	31	5.54
AS978	Salemo, E. Benn, C. Bruni, G. Carballo, R. Gonzales-Serrano, J. Holt, J. Jimenez-Lujan, F. Mack, K.-H. Montenegro-Montes, F.	INAF Bologna INAF Cantabria Cantabria Leiden Cantabria INAF INAF	Multi-frequency study of BAL QSO radio variability	1.3, 3.6	27	1.90
AS983	Soderberg, A. Bartel, N. Bietenholz, M. Chevalier, R. Fransson, C.	Princeton York U. York U. UVa Stockholm	Revealing the progenitors of SNe Ibc and nature of the GRB-SN connection	3.6	31	0.91
AS986	DePree, C. Smith, A.	Anges Scott College Agnes Scott College	Broad recombination line objects in K3-50C	0.7	2	1.42
AS987	Sjouerman, L. Fish, V. Pihlstrom, Y.	NRAO Haystack UNM	36 GHz methanol masers in the circumnuclear disk	0.9	1	2.0
AV313	van Gorkom, J. Schweizer, F. Donovan, J. seitzer, p. Fernandez, M.	Columbia DTM Columbia University Michigan Columbia	HI Imaging of a Prototypical "Wet" Merger, NGC 34	20 line	30	6.46
AW753	Wang, R. Beelen, A. Bertoldi, F. Carilli, C. Cox, P. Menten, K. Omont, A. Strauss, M. Wagg, J. Walter, F. Willott, C.	Peking Orsay Bonn NRAO IRAM MPIfR IAP Princeton NRAO MPIA Herzberg	Radio emission from optically faint quasars at $z \sim 6$	20	6	2.64
AY193	Yusef-Zadeh, F. Roberts, D. Whitney, b.	Northwestern Northwestern Space Sci. Inst.	A Search for UC HII regions Toward the Molecular Ring at the Galactic Center	0.7	27, 28	12.67
BK145	Kovalev, Y.Y. Kellermann, K. Lister, M.L. Homan, D.C. Lobanov, A.	MPIfR NRAO-CV Purdue Denison U. MPIfR	The inner jet of the radio galaxy M87	2, 3.6 With EB, Y1	22, 23, 24	1.14
BM296	Miller-Jones, J. Migliari, S. Fender, R. Jonker, P. Tomsick, J.	NRAO-CV Calif.-San Diego Southampton CFA Calif.-Berkeley	Resolving the compact jet in a neutron star X-ray binary system	3.6 Phased array VLBI	31	8.16

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
S1286	Harrison, F. Berger, E. Cenko, S.B. Chandra, P. Cucchiara, A. Fox, D. Frail, D. Kasliwal, M. Kulkarni, S. Ofek, E. Quimby, R. Rau, A.	Caltech Princeton Caltech UVA Penn State Penn State NRAO Caltech Caltech Caltech Caltech	GRB energetics in the GLAST era	4	3,9,11,12,13 ,17	5.52
DYNAMI			Dynamic scheduling			295.5
	Staff	NRAO	Baselines, Pointing, Delays Maintenance Polarization Calibrator Monitoring Software			34.0 62.0 12.0 54.5

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	Actual Hours	Percentage
Astronomy	446.06	64.31
Unscheduled	15.52	2.24
Maintenance	62.00	8.94
Test/Calc	170.00	24.51
Total	693.58	100.00

Average downtime measured in antenna hours was 10.15% of scheduled antenna hours, distributed as:

System	Percentage
Antenna Pads	0.71
Cryogenics	0.83
Electrical	0.60
EVLA	52.29
Feed	0.20
Fire Alarm	0.20
FOC/ROT	2.87
Front End	10.48
HVAC	0.03
LO/IF	2.35
Mechanical	0.24
Obs. Program	3.61
Other	4.82
Servo	18.33
Site Power	0.68
VLA Correlator	0.90
Weather	0.42
WIDAR Testing	0.44

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AB1301	Berger, E. Reiners, A.	Carnegie Göttingen	Is rotation the fundamental parameter in fully-convective stellar dynamos?	3.6	19,26,30	3.75
AB1311	Bonafede, A. Feretti, L. Giovannini, G. Govoni, F. Murgia, M.	INAF-Bologna INAF-Bologna INAF-Bologna INAF-Bologna	Magnetic field amplification in the Coma Relic region	20	25, 26, 27, 30	17.26
AB1314	Becker, R. White, R. Helfand, D. Richards, G. Hodge, J. Zeimann, G.	Calif.-Davis STScI Columbia Drexel Calif.-Davis Calif.-Davis	A FIRST complement to SDSS-III	20 LARGE	...	103.4
AB1328	Brunthaler, A. Bower, G. Falcke, H. Henkel, C. Menten, K. Reid, M.	MPIfR Calif., Berkeley Nijmegen MPIfR MPIfR CfA	New radio supernova in M82:	6, 20	27	3.59
AC936	Chandra, P. Soderberg, A.M. Chevalier, R.A.	Virginia Princeton Virginia	VLA observations of a unique & bright radio and X-ray Type IIIn supernova 2006jd	1.3, 3.6, 6, 20	1	2.81
AC938	Chandra, P. Chevalier, R. Chugai, N. Fransson, C. Soderberg, A.	NRAO UVA Inst. of Astronomy Stockholm Princeton	Exploring the mysterious Type IIIn SN within 150 Mpc	3.6	4,24	1.30
AC941	Clarke, T. Serazin, C.	NRL UVA	Resolving the nature of the unusually steep spectrum source in Abell 1914	4, 90	29	1.18
AD600	Daddi, E. Carilli, C. Dannerbauer, H. Dickinson, M. Elbaz, D. Morrison, G. Riechers, D. Stern, D. Walter, F.	CEA NRAO MPIfA NOAO CEA Hawaii Caltech JPL MPIfA	Gas morphology and kinematics in two z=4.05 submm galaxies at 1 kpc resolution	0.7	2,12,17,21	14.82
AF479	Fadda, D. Edwards, L. Frayer, D.	Caltech Caltech IPAC	Star formation along cluster feeding filaments	20	1,2,3,4,6,7, 8,9,11,12,13	29.21
AG795	Gitti, M. Feretti, L. Brunetti, G.	OAN INAF-Bologna INAF-Bologna	Solving the puzzle of the peculiar radio source in the cool core cluster A 2626	6, 20	30	3.08
AG809	Grant, J. Gendre, M. Taylor, A. Wall, J. Ricci, R. Stil, J.	Calgary Univ. BC Calgary Univ. BC Calgary Calgary	A Study of AGN Evolution Through Luminosity, Morphology and Polarization	20	4, 8	7.75
AG820	Greenhill, L. Chandler, C. Goddi, C. Humphreys, L. Matthews, L.	CfA NRAO CfA CfA Haystack	What sources are responsible for the observed very hot NH ₃ in Orion BN/KL?	0.9	25	2.74
AH971	Hirota, T. Sakai, S. Yamamoto, S.	NAOJ Tokyo Tokyo	Centrally peaked CSS distribution of Class 0 protostellar core L483?	0.7, 1.3	14	1.28
AH980	Hyman, S. Kassim, N. Lazio, J. Pal, S. Ray, P. Roy, S. Wijnands, R.	Sweet Briar NRL NRL Tata NRL NFRA Amsterdam	Monitoring for transient radio sources in the galactic center	90	15, 29	2.71
AH982	Hardcastle, M.H. Harris, D.E. Massaro, F.	Hertfordshire CfA CfA	Physical conditions in the extended emission-line region of 3C305	1.3, 3.6	13	6.90
AH984	Hofstadter, M. Butler, B. Gurwell, M. Orton, G. Hesman, B.	JPL NRAO-Socorro CfA JPL NASA-GSFC	Observations of Uranus and Neptune	1.3	6	7.47

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AJ356	Jimenez-Serra, I. Chandler, C. Martin-Pintado, J. Rivilla, V. Rodriguez-Franco, A.	Leeds NRAO Consejo Superior de Consejo Superior de Consejo Superior de	Protoclusters: Main mechanism for formation of massive stars in our Galaxy?	0.7	8,14,20,22,24	6.42
AK706	Kulkarni, S. Cenko, B. Chandra, P. Fox, D. Frail, D. Harrison, F. Kasliwal, M.	Caltech Caltech NRAO Penn State NRAO Caltech Caltech	GRBs:Engines, Energetics (and Enigmas) in the GeV era	3.6	1,2,10,17,18,1922,23,24,26,27,29,30	14.58
AL731	Leroy, A. Bolatto, A. Brinks, E. Calzetti, D. deBlok, E. Kennicutt, R. Schinnerer, E. Walter, F.	MPIFA Maryland Hertfordshire Amherst ANU Cambridge MPIFA MPIFA	Expanding THINGS to span nearby star-forming environments	20	18	1.81
AM938	Mittal, R. Clarke, T. Hudson, D. Reiprich, T. Nulsen, P.	Bonn NRL Bonn Bonn CfA	Scrutinizing the AGN-regulated feedback in galaxy clusters	90	6	3.53
AM941	Mangum, J. Darling, J. Henkel, C. Menten, K.	NRAO Univ. Colorado MPIFR MPIFR	Formaldehyde densitometry of starburst galaxies	2,6	2	3.69
AM974	Martin-Pintado, J. Chandler, C. Jimenez-Serra, I. Martin, S. Rivilla, V. Rodriguez-Franco, A.	Consejo Superior de NRAO Leeds CfA Consejo Superior de Consejo Superior de	Catching the formation of superclusters in Arp 220	0.7	27	0.93
AM979	Maikan, M. Hatsukade, B. Hayashi, M. Iono, D. Iye, M. Kohno, K. Ly, C. Morokuma, T. Motohara, K. Nagao, T. Nakanishi, K. Ota, K. Shimasaku, K.	UCLA Tokyo Tokyo Tokyo NAOJ Tokyo UCLA Tokyo NAOJ Ehime NAOJ Inst.Riken's Institu Tokyo	Evolution of AGNs and star forming galaxies at z>1	20	13,16,21,29	10.16
AO230	O'Dea, C. Kharb, P. Daly, R. Baum, S.	Rochester Purdue Penn State Rochester	High Redshift Powerful Radio Galaxies	6	18, 23	7.59
AO249	Orsky, E. Barvainis, R. Behar, E. Kaspi, S. Laor, A.	Israel NSF Israel Tel Aviv Israel	Continuation of the VLA-RXTE monitoring of radio quiet AGN	3.6	2,18,19,23,26,29,30	6.62
AR664	Rau, U. Cornwell, T. Eilek, J. Owen, F.	NMIMT ATNF NRAO NRAO	M87:The impace of black hole on it's environment	20	16	1.39
AR685	Richards, G. Becker, R. Brandt, N. Fan, X. Hodge, J. Jester, S. Kratzer, R. Lacy, M. Schneider, D. Strauss, M. White, R.	Drexel Calif., Davis Penn State Arizona Calif., Davis MPIFA Drexel Caltech Penn State Princeton STScI	Deep VLA Observations of SDSS Stripe 82	20	3,13,15,21,30	10.36

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AR686	Rand, R. Walterbos, R. Benjamin, R.	UNM New Mexico State Wisconsin-Whitewater	Search for a Neutral Gas Halo in NGC 4302 - B Configuration Observations	20 line	21, 23, 24	27.68
AS929	Soderberg, A. Chevalier, R. Madore, B. Strauss, M.	Princeton UVA Carnegie Princeton	Toward an understanding of the progenitors of Type Ibc SN	3.6	2,3,5,6,8,12 ,13,14,15,23 ,28,29	14.33
AS962	Stockdale, C. Immler, S. Marcaide, J-M. Panagia, N. Pooley, D. Ryder, S. Sramek, R. VanDyk, S. Weiler, K. Williams, C.	Marquette NASA Valencia STScI Wisconsin Anglo-australian Obs NRAO Spitzer NRL MIT	Core collapse SN (Type II)	1.3, 3.6, 400	16	0.90
AS968	Surcis, G. Vlemmings, W.	Bonn Bonn	Pilot: 6.7 GHz methanol maser polarization with the eVLA	6 line	11	3.71
AS969	Stanonik, K. Platen, E. Aragon-Calvo, M. van Gorkom, J. van de Weygaert, R.	Columbia Kapteyn Johns Hopkins Univ. Columbia Kapteyn	Polar Ring Galaxy in Void	20 line	3	6.85
AS971	Skilton, J. Aharonian, F. Brucker, J. Cheung, C. Dubus, G. Fiasson, A. Hinton, J. Marcowith, A. Pandey-Pommier, M. Pandey-Pommier, M. Reimer, O.	Leeds Dublin Physik Inst. NASA Grenoble Montpellier II Leeds Montpellier II Montpellier II Leiden Stanford	Search for orbital period of the new gamma ray binary HESS J0632+057	6	17,18,19,20, 24	6.76
AS987	Sjouerman, L. Fish, V. Pihlstrom, Y.	NRAO Haystack UNM	36 GHz Methanol masers in circumnuclear disk	0.9	23,27,28,30	2.65
AS988	Stockdale, C. Bauer, F. Dwarkadas, V. Immler, S. Panagia, N. Pooley, D. Sramek, D. VanDyk, S. Weiler, K.	Marquette Columbia Chicago GSFC STScI Wisconsin NRAO Spitzer NRL	Monitoring late-time radio emission from two nearby core-collapse SN	20, 3.6, 6	16,18,19,20	5.38
AT370	Thilker, D. Donovan, J.	Johns Hopkins Columbia University	A Closer Look at HI in the Primordial Leo Ring with the VLA	20 line	6, 9, 10	25.61
AV305	van Weeren, R. Rottgering, H. Bruggen, M.	Leiden Leiden Jacobs Bremen	Tracing Large-scale Structure Formation : Two Filamentary Radio Sources	20	16, 17	13.72
AV309	Vlemmings, W. Claussen, M. Fendt, C. Surcis, G.	Bonn NRAO MPIfA Bonn	Probing magnetic launching of the HH 212 jet with water masers	1.3	5	0.45
AY192	Yusef-Zadeh, F. Reid, M. Goldwurm, A. Cotton, B. Roberts, D. Wardle, M.	Northwestern CfA Service d'Astrophys. NRAO-CV Northwestern Macquarie	Minute-time Scale variability of Flare Emission from Sgr A* ?	0.7, 1.3, 3.6	1, 3, 5	22.5
BB255	Brunthaler, A. Reid, M. Henkel, C. Menten, K. Bower, G. Falcke, H.	MPIfR CfA MPIfR MPIfR Calif.-Berkeley Nijmegen	Measuring the orbits of M81 and M82	1.3, 2, 3.6 Phased array VLBI	8	9.05
BC178	Chen, X. Nakashima, J. Imai, H. Shen, Z-Q.	Shanghai Hong Kong Kagoshima U. Shanghai Obs.	VLBA observations of VY CMa in the SiO J=1-0 v=1, 2 and 3 lines	0.7 Single antenna VLBI	27	0.23

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
BM290	Miller-Jones, J.C.A. Rupen, M.P. Mioduszewski, A.J. Dhawan, V. Gallo, G. Jonker, P.G. Briskin, W.	NRAO-CV NRAO-Socorro NRAO-Socorro NRAO-Socorro Calif.-Santa Barbara SRON NRAO-Socorro	Direct geometric distance to a quiescent black hole X-ray binary	3.6 Phased array VLBI	26	5.30
BW091	Wrobel, J.	NRAO	Local analogs of the first active galactic nuclei: GH10	20	29	0.91
BY126	Yusef-Zadeh, F.	Northwestern	Minute-time Scale variability of Flare Emission from Sgr A* ?	0.7 With Y	1, 3, 5	20.16
S1286	Harrison, F. Berger, E. Cenko, S. Chandra, P. Chucchiara, A. Fox, D. Frail, D. Kasliwal, M. Kulkarni, S. Nakar, E. Ofek, E. Quimby, R. Rau, A.	Caltech Princeton Caltech UVA Penn State Penn State NRAO Caltech Caltech Caltech Caltech Caltech Caltech	GRB Energetics in the GLAST Era	4	1,3,4,5,6,7,9,10,13,14,16,17,24,25	15.10
DYNAMI			Dynamic scheduling			239.6
	Staff	NRAO	Baselines, Pointing, Delays Maintenance Polarization Calibrator Monitoring Software General tests		5	34.0 62.0 11.5 67.5 24.54

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	Actual Hours	Percentage
Astronomy	460.16	68.14
Unscheduled	19.18	2.84
Maintenance	62.00	9.18
Test/Calc	134.00	19.84
Shutdown	0.0	0.0
Total	675.34	100.00

Average downtime measured in antenna hours was 8.85% of scheduled antenna hours, distributed as:

System	Percentage
Cryogenics	1.14
Electrical	0.58
EVLA	34.88
EVLA Computers	0.88
FOC/ROT	2.66
Front End	8.08
LO/IF	4.22
Mechanical	2.12
Obs. Program	1.86
Other	1.06
Servo	29.91
Site Power	0.38
VLA Correlator	0.02
Weather	12.21

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AA324	Archibald, A. Kaspi, V.	McGill McGill	Observations of the Pulsar Wind Nebula in the Supernova Remnant Kes 75	6	26	5.32
AA327	Araya, E. Dieter-Conklin, N. Goss, M. Hofner, P.	NMIMT Brittany Park NRAO-Socorro NMIMT	Formaldehyde Absorption: A Probe of non-LTE Physics and Small Scale Structure	6 line	2	11.30
AB1301	Berger, E. Reiners, A.	Carnegie Göttingen	Is rotation the fundamental parameter in fully-convective stellar dynamos?	3.6	2,6,18,19,21 22,23,24	19.83
AB1312	Berger, E. McLean, M.	CfA Harvard	An In-Depth Study of Two New Radio Active Late-M Dwarfs	3.6, 6	24, 26	15.42
AB1314	Becker, R. White, R. Helfand, D. Richards, G. Hodge, J. Zeimann, G.	Calif.-Davis STScI Columbia Drexel Calif.-Davis Calif., Davis	A FIRST complement to SDSS-III	20 LARGE	...	93.92
AB1321	Bauer, F. Dwarkadas, V. Pooley, D. Stockdale, C. VanDyk, S. Weiler, K.	Columbia Chicago Univ. Wisconsin Marquette Spitzer NRL	Late-time radio emission from nearby core-collapse SN	6	17,19,24	1.76
AD600	Daddi, E. Carilli, C. Walter, F. Dannerbauer, H. Morrison, G. Riechers, D. Dickinson, M. Stern, D. Elbaz, D.	CEA NRAO-Socorro MPIA MPIFA Hawaii-CFHT Caltech NOAO JPL CEA-Saclay	Gas morphology and kinematics in two z=4.05 submm galaxies at 1 kpc resolution	0.7	2, 4, 5, 6, 8, 12	68.64
AE172	Enoch, M.	Calif., Berkeley	New candidate 200 AU separation Class 0 Binary	0.7	28.0	2.30
AF479	Fadda, D. Edwards, L. Frayer, D.	Saclay Caltech Caltech	Star formation along cluster feeding filaments	20	13, 14, 15	33.48
AF480	Forbrich, J. Gutermuth, R.	CFA	Radio-active protostars in a dense embedded cluster in Serpens South	3.6	20	5.05
AG797	Green, D.A. Reynolds, S. Borkowski, K. Hwang, U. Harrus, I. Petre, R.	Cambridge North Carolina State North Carolina State NASA-GSFC NASA-GSFC NASA-GSFC	First epoch high-resolution observations of G1.9+0.3	20	8	0.97
AG807	Guirado, J. Jimenez-Monferrer, S. Marcaide, J.M. Marti-Vidal, I.	Valencia Valencia Valencia Valencia	Search for radio emission in the ABD or moving group	3.6	1,21	2.87
AG809	Grant, J. Gendre, M. Taylor, A. Wall, J. Ricci, R. Stil, J.	Calgary Univ. BC Calgary Univ. BC Calgary Calgary	A Study of AGN Evolution Through Luminosity, Morphology and Polarization	20	17, 19, 21, 22, 23	27.36
AG811	Galvan-Madrid, R. Zhang, Q. Keto, E. Rodriguez, L. Kurtz, S. Ho, P.	CfA CfA CfA UNAM UNAM CfA	Accretion Flows in Very Small HII Regions: Ammonia at a Few Thousand AU Scale	1.3 line	27, 30	6.26
AH980	Hyman, S. Kassim, N. Lazio, J. Pal, S. Ray, P. Roy, S. Wijnands, R.	Sweet Briar NRL NRL Tata NRL NFRA Amsterdam	Monitoring for transient radio sources in the galactic center	90	8,11,16,29,3 1	6.89
AJ355	Jetha, N. Hardcastle, M.	CEA Hertfordshire	Feedback in galaxy groups - heating, cooling and radio source duty cycles	6, 20	24	2.72
AJ356	Jimenez-Serra, I. Chandler, C. Rodriguez-Franco, A. Martin-Pintado, J. Rivilla, V.	CSIC NRAO-Socorro CSIC IEM-CSIC Consejo Superior de	Protoclusters: Main mechanism for the formation of massive stars in our Galaxy?	0.7 line	7, 9, 19	12.0

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AJ357	Jaeger, T. Mutel, R.	Iowa Iowa	A SEARCH FOR UHE NEUTRINOS USING LUNAR CERENKOV RADIO PULSES: CALIBRATION PHASE	20	6	2.0
AK706	Kulkarni, S. Cenko, B. Chandra, P. Fox, D. Frail, D. Harrison, F. Kasliwal, M.	Caltech Caltech NRAO Penn State NRAO Caltech Caltech	GRBs:Engines, Energetics (and Enigmas) in the GeV era	3.6	17,19,20,21, 22,23,24,25, 26	9.88
AL731	Leroy, A. Bolatto, A. Brinks, E. Calzetti, D. deBlok, E. Kennicutt, R. Schinnerer, E. Walter, F.	MPIA Maryland Hertfordshire Amherst ANU Cambridge MPIA MPIA	Expanding THINGS to span nearby star-forming environments	20	7	1.96
AM975	Minchin, R. Baes, M. Falony, S. Momjian, E.	NAIC Ghent Ghent NRAO	High frequency obs. of submm sources with suspected synchrotron	1.3, 6	1	0.97
AM978	Melis, C. Reid, M. Stauffer, J.	UCLA CfA Caltech	Towards a VLBA resolution of the Pleiades distance controversy	3.6	1	8.05
AM979	Malkan, M. Ly, C. Iono, D. Motohara, K. Shimasaku, K. Hatsukade, B. Hayashi, M. Iye, M. Kohno, K. Morokuma, T. Nakanishi, K. Nagao, T. Ota, K.	Calif.-Los Angeles Calif.-Los Angeles Tokyo NAOJ University of Tokyo Univ. Tokyo Tokyo Univ. NAOJ Tokyo Univ. Univ. of Tokyo NAOJ Ehime Univ. Riken's Inst.	Evolution of AGNs and Star-forming galaxies at $z > 1$	20	8, 9, 11, 17	27.39
AM981	Mayen Gijon, J.M. Anglada, G. Gomez, J.-F. Lizano, S. Osorio, M. Rodriguez, L.	IAA IAA IAA UNAM IAA UNAM	Defining the physical structure of high-mass protostars: the Case	1.3	3,4	5.74
AM993	McGreer, I. Momjian, E.	Columbia NRAO	High resolution imaging of a $z=5.2$ radio-loud quasar	3.6	6,14,30	7.37
A0246	Osten, R. Kuenemoerder, D. Testa, P. Drake, J. Schultz, N. Reale, F.	Maryland MIT CfA CfA MIT Palermo	VLA and Chandra Observations of Flares on the M Dwarf EV Lac	3.6, 6	13	10.17
A0249	Orsky, E. Barvainis, R. Behar, E. Kaspi, S. Laor, A.	Israel NSF Israel Tel Aviv Israel	Continuation of the VLA-RXTE monitoring of radio quiet AGN	3.6	12,17,23	2.63
AP563	Paladino, R. Murgia, M. Beck, R. Tabatabaei, F. Orru', E.	INAF INAF-Bologna MPIfR MPIfR Innsbruck	Low frequencies observations of M51	90	28	4.16
AR664	Rau, U. Cornwell, T. Eilek, J. Owen, F.	NRAO CSIRO NRAO NRAO	M87: The impact of a black hole on it's environment	20	5,6,12,13,14, 15,17,20	7.77

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AR685	Richards, G. Becker, R. Brandt, N. Fan, X. Hodge, J. Jester, S. Kratzer, R. Lacy, M. Schneider, D. Strauss, M. White, R.	Drexel Calif., Davis Penn State Univ. Arizona Calif., Davis MPIFA Drexel Caltech Penn State Princeton STScI	Deep VLA obs. of SDSS Stripe 82	20	17,19	3.24
AR688	Rodriguez, L. Dzib, S. Loinard, L.	UNAM UNAM UNAM	The Persistence and Spectral Index of a Compact Radio Source in G12.82-0.02	3.6, 6, 20	24	3.54
AS959	Shepherd, D. Churchwell, E. Maddalena, R. Johnston, K. Cyganowski, C. Povich, M.	NRAO-Socorro Wisconsin NRAO-GB St. Andrews Wisconsin at Madison Wisconsin	The Ionized Gas Content in the Galactic Bubble N49	3.6	28	3.82
AS969	Stanonik, K. Platen, E. Aragon-Calvo, M. van Gorkom, J. van de Weygaert, R.	Columbia Univ. Kapteyn Johns Hopkins Columbia Kapteyn	Polar Ring Galaxy in Void	20 line	29	8.66
AS971	Skilton, J. Aharonian, F. Brucker, J. Cheung, C. Dubus, G. Fiasson, A. Funk, S. Gallant, Y. Hinton, J. Marcowith, A. Pandey-Pommier, M. Reimer, O.	Leeds Dublin Physik. Inst. NASA Grenoble Montpellier II Stanford Montpellier II Leeds Montpellier Leiden Stanford	Search for the orbital period of the new gamma-ray binary HESS J0632+057	6	1,13,24,28	5.44
AW743	Worrall, D. Birkinshaw, M.	Bristol Bristol	Interactions of gas and radio plasma in tight merging groups	20	31	2.94
BM257	McClintock, J. Dhawan, V. Narayan, R. Reid, M. Remillard, R.	CfA NRAO CfA CfA MIT	Is the black hole in the microquasar GRS1915+105 spinning maximally	1.3	21,28	0.98
GB065	Bach, U. Krichbaum, T.P. Middelberg, E. Alef, W. Witzel, A. Zensus, J.A.	MPIFR MPIFR Bochum MPIFR MPIFR MPIFR	Resolving the jets in Cygnus A	0.7 Single antenna VLBI	19	0.51
S1286	Harrison, F. Berger, E. Cenko, S. Chandra, P. Cuchhara, A. Fox, D. Frail, D.A. Kasliwal, M. Kulkarni, S. Nakar, E. Ofek, A. Quimby, R. Rau, A.	Caltech Princeton Caltech UVA Penn State Penn State NRAO Caltech Caltech Caltech Caltech Caltech	Gamma-ray bursts		26-31	4.29
S90484	Lubin, L. Fassnacht, C. Kocevski, D. Gal, R. Miller, N. Mulchaey, J.	Calif., Davis Calif., Davis Calif., Davis Univ. of Hawaii Johns Hopkins Univ. Carnegie Obs.	The Active Galaxy Population in a Supercluster at $z = 0.7$	20	2, 4	11.92

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
SA0007	Miller, J. Cackett, E. Fabian, A. Markoff, S. Nowak, M. Rupen, M.	Michigan Michigan Cambridge Amsterdam MIT NRAO	Disk jet connection in Seyfert-1 AGN		9	0.96
SA0598	Lubin, L. Kocevski, D. Lemaux, B. Fassnacht, C. Gal, R. Miller, N. Squires, G. Gioia, I.	Calif., Davis Calif., Davis Calif., Davis Calif., Davis Univ. of Hawaii Johns Hopkins Univ. IPAC, Caltech Bologna	Local versus Large Scale: The Active Galaxy Population in High-Redshift Clusters	20	1	9.99
DYNAMI			Dynamic scheduling			202.1
	Staff	NRAO	Baselines, Pointing, Delays Maintenance Polarization Calibrator Monitoring Software		5, 7, 19, 22	40.0 71.5 12.0 61.0

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	Actual Hours	Percentage
Astronomy	471.90	67.29
Unscheduled	26.10	3.72
Maintenance	71.50	10.20
Test/Calc	131.82	18.80
Shutdown	0	0
Total	701.32	100.00

Average downtime measured in antenna hours was 8.29% of scheduled antenna hours, distributed as:

System	Percentage
Antenna Pads	0.77
Cryogenics	1.94
EVLA	47.15
Feed	0.09
FOC/ROT	2.61
Front End	9.03
Interference	0.08
LO/IF	14.59
Mechanical	0.49
Obs. Program	2.07
Other	1.17
Servo	2.92
Site Power	0.85
Weather	15.03
Widar Testing	1.20

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AB1301	Berger, E. Reiners, A.	Carnegie Georg-August Univ.	Is rotation the fundamental parameter in fully-convective stellar dynamics	3.6	8,13,17,27,28	13.42
AB1313	Berger, E. Forbrich, J.	Cfa Cfa	A Search for Radio Emission from the Brown Dwarf Binary 2MASS J0535-05	3.6	17	3.84
AB1314	Becker, R. White, R. Zeimann, G. Helfand, D. Richards, G. Hodge, J.	Calif.-Davis STScI Calif., Davis Columbia Drexel Calif., Davis	A FIRST complement to SDSS-III	20 LARGE	16, 20, 22	21.43
AB1320	Bournaud, F. Brinks, E. Elmegreen, B. Nesvadba, N. Daddi, E. Elmegreen, D. Usero, A. Duc, P. Lehnert, M. Elbaz, D. Le Floch, E. Martig, M. Teyssier, R. Combes, F. Dekel, A.	Saclay Hertfordshire IBM Paris Observatory Saclay Vassar Hertfordshire Saclay Paris Observatory Saclay Hawaii Saclay Saclay Paris Obs. Hebrew University	Clumpy Galaxies at High Redshift: Spatially Resolved CO(1-0) Spectroscopy	0.7 line	1, 2, 6, 7, 8	19.89
AB1321	Bauer, F. Dwaradas, V. Pooley, D. Stockdale, C. VanDyk, S. Weiler, K.	Columbia Univ. Chicago Univ. Wisconsin Marquette Spitzer NRL	Late-time emission from nearby core-collapse supernovae	6	11,12,13,14,15,16,20,23,24,28	31.79
AC938	Chandra, P. Chevalier, R. Chugai, N. Fransson, c. Soderberg, A.	NRAO UVa Inst. of Astronomy Stockholm Princeton	Exploring the mysterious Type IIIn SN within 150 Mpc	3.6	3	5.67
AC946	Choi, M. Tatematsu, K. Lee, J.	KAO-TRAO NAOJ Sejong	Multifrequency Polarimetry toward the Protostellar Magnetosphere of R CrA IRS 5b	1.3, 3.6, 6, 20	2, 5, 8	8.31
AD565	Dougherty, S. Beasley, A. Claussen, M. O'Connor, E. Pittard, J.	NRC NEON NRAO PEI Leeds	High frequency constraints to models of non-thermal emission in WR140	0.7, 3.6	2	0.95
AD593	deGregorio-Monsalvo, Barrado y Navascues, Bayo, A. Eiroa, C. Huelamo, N. Morales Calderon, M. Morata, O. Morata, O. Palau, A.	ESO LAEFF LAEFF UAM LAEFF LAEFF Academia Sinica Academia Sinica LAEFF	Revealing the formation mechanism of brown dwarfs	3.6, 6	25	4.89
AE172	Enoch, M.	Calif., Berkeley	A New Candidate 200 AU Separation Class 0 Binary	0.7	23, 27	15.02
AF478	Frail, D.A. Bregman, J. Irwin, J.	NRAO Michigan Michigan	VLA Search for the missing hot Baryons with the NVII line	0.7	12, 20	2.13
AG807	Guirado, J. Jimenez-Monferrer, S. Marcaide, J.-M. Marti-Vidal, I.	Valencia Valencia Valencia Valencia	Search for radio emission in the ABD or moving group	3.6	13,14,18,20,23	12.69
AG810	Gelfand, J. Brogan, C. Kassim, N. Lazio, J. Lemiere, A. MacFadyen, A. Ng, C-Y. Slane, P.	NYU NRAO NRL NRL Cfa NYU Sydney Cfa	SNR G5.7-0.1:TeV emission from a pulsar re-energizing its SNR shell	6, 20	3	1.85

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AH984	Hofstadter, M. Butler, B. Gurwell, M. Orton, G. Hesman, B.	JPL NRAO-Socorro CfA JPL NASA-GSFC	Observations of Uranus and Neptune	1.3	14	7.30
AH988	Hess, K. Wilcots, E.	Wisconsin Wisconsin	Radio continuum survey of fossil groups	20	1,3,5,6,27	17.13
AK706	Chandra, P. Cenko, B. Fox, D. Frail, D.A. Harrison, F. Kasliwal, M. Kulkarni, S.	NRAO Caltech Penn State NRAO Caltech Caltech Caltech	GRBs: Engines, energetics (and enigmas) in the GeV era	3.6	6,7	2.39
AL738	Wrobel, J. Laor, A.	NRAO Israel	Radio constraints on the quasar SDSS J153636.22, a candidate binary black hole	3.6	17,30	4.80
AM941	Mangum, J. Darling, J. Menten, K. Henkel, C.	NRAO-CV Colorado MPIFR MPIFR	Formaldehyde Densitometry of Starburst Galaxies	6 line	19	5.23
AM962	McNamara, B. Carilli, C. Jones, C. Nulsen, P. Vrtilek, J. Birzan, L.	Waterloo NRAO-Socorro CfA CfA CfA Pennsylvania State	AGN Feedback in Giant Elliptical Galaxies	90	2	3.57
AM975	Minchin, R. Baes, M. Falony, S. Momjian, E.	NAIC Univ. of Ghent Univ. of Ghent NRAO	High frequency obs. of Submm sources with suspected Synchrotron	1.3, 6	28	1.96
AM978	Melis, C. Reid, M. Stauffer, J.	Calif., Los Angeles CfA Caltech	Towards a VLBA Resolution of the Pleiades Distance Controversy	3.6	28	0.90
AO249	Barvainis, R. Behar, E. Kaspi, S. Laor, A.	NSF Israel Inst. Tel Aviv Israel Inst.	Continuation of the VLA-RXTE monitoring of Radio Quiet AGN	3.6	20, 27	1.94
AR664	Rau, U. Owen, F. Eilek, J. Cornwell, T.	NMIMT NRAO-Socorro NMIMT NRAO-Socorro	M87: The Impact of a Black Hole on its Environment	20	14, 15	19.0
AR685	Richards, G. Becker, R. Brandt, N. Fan, X. Hodge, J. Jester, S. Kratzer, R. Lacy, M. Schneider, D. Strauss, M. White, R.	Drexel Calif., Davis Penn State Arizona Calif., Davis MPIFA Drexel Caltech Penn State Princeton STScI	Deep VLA Obs. of SDSS Stripe 82	20	1,2,4,6,8,10,13,28	22.45
AR687	Rolfs, R. Schilke, P. Wyrowski, F. Menten, K. Thorwirth, S.	MPIFR MPIFR MPIFR MPIFR Cologne	Revealing the inner structure of hot cores by vibrationally excited HCN	0.7 line	1	5.23
AS929	Soderberg, A. Chevalier, R. Madore, B. Strauss, M.	Princeton UVA Carnegie Princeton	Toward an understanding of the progenitors of Type Ibc SN	3.6	4	0.98
AS962	Stockdale, C. Immler, S. Marcaide, J-M. Panagia, N. Panagia, N. Pooley, D. Ryder, S. Sramek, D. VanDyk, S. Weiler, K. Williams, C.	Marquette NASA Valencia STScI STScI Wisconsin Anglo-Australian Obs NRAO Spitzer NRL MIT	ToO Obs. of core collapse SN (Type II)	1.3, 3.6	4	1.92

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AS971	Skilton, J. Aharonian, F. Brucker, J. Cheung, C. Dubus, G. Fiasson, A. Funk, S. Gallant, Y. Hinton, J. Marcowith, A. Pandey-Pommier, M. Reimer, O.	Leeds Dublin Physik. Inst. NASA Grenoble Montpellier II Stanford Montpellier II Leeds Montpellier II Leiden Stanford	Search for the orbital period of the new gamma-ray binary HESS J0632+057	6	13,15,20	6.66
AV309	Surcis, G. Vlemmings, W. Claussen, J. Fendt, C.	Bonn Bonn NRAO MPIfA	Probing magnetic launching of the HH 212 jet with water masers	1.3	25	0.50
AW743	Worrall, D. Birkinshaw, M.	Bristol Bristol	The interactions of gas and radio plasma in tight merging groups	6, 20	14, 15	8.57
AW761	Momjian, E.	NRAO	Confirming a tentative detection of H2O megamaser emission at $z \sim 2.5$	6	17	4.37
AY191	Arendt, R. Hewitt, J. Roberts, D. Yusef-Zadeh, F.	GSFC Northwestern Northwestern Northwestern	Correlation of methanol masers and green sources in the nuclear disk	6	20	2.36
BM284	Momjian, E. Riechers, D. Carilli, C.	NRAO-Socorro Caltech NRAO-Socorro	Testing the AGN vs. AGN+starburst hypothesis in two $z \sim 6$ QSOs	20 Phased array VLBI	21	11.89
BM290	Miller-Jones, J.C.A. Rupen, M.P. Mioduszewski, A.J. Dhawan, V. Gallo, G. Jonker, P.G. Brisken, W.	NRAO-CV NRAO-Socorro NRAO-Socorro NRAO-Socorro Calif.-Santa Barbara SRON NRAO-Socorro	Direct geometric distance to a quiescent black hole X-ray binary	3.6 Phased array VLBI	15	5.28
BW091	Wrobel, J. Greene, J. Ho, L.	NRAO Princeton Carnegie	Local Analogs of the first active galactic nuclei: GH10	20	1	2.80
S90484	Lubin, L. Fassnacht, C. Kocevski, D. Gal, R. Miller, N. Mulchaey, J.	Calif., Davis Calif., Davis Calif., Davis Univ. of Hawaii Johns Hopkins Carnegie Obs.	The Active Galaxy Population in a Supercluster at $z = 0.7$	20	18, 19, 25, 26	23.35
SA0598	Lubin, L. Kocevski, D. Lemaux, B. Fassnacht, C. Gal, R. Miller, N. Squires, G. Gioia, I.	Calif., Davis Univ. Hawaii Calif., Davis Calif., Davis Univ. of Hawaii Johns Hopkins Spitzer Inst. for Astronomy	Local versus Large Scale: The Active Galaxy Population in High-Redshift Clusters	20	23, 27, 28	29.67
DYNAMI			Dynamic scheduling			296.9
	Staff	NRAO	Baselines, Pointing, Delays Maintenance Polarization Calibrator Monitoring Software Students		6, 7, 20, 21 21	34.0 62.0 12.0 62.0 2.41

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	Actual Hours	Percentage
Astronomy	334.56	51.92
Unscheduled	99.27	15.41
Maintenance	62.00	9.62
Test/Calc	148.57	23.06
Shutdown	0.00	0.00
Total	644.40	100.00

Average downtime measured in antenna hours was 7.62% of scheduled antenna hours, distributed as:

System	Percentage
Antenna Pads	2.01
Cryogenics	2.01
EVLA	41.24
EVLA Computers	4.91
FOC/ROT	0.24
Front End	6.63
HVAC	0.11
Interference	12.58
LO/IF	9.99
Mechanical	0.93
Monitor/Control	0.05
Obs. Program	0.75
Other	0.18
Servo	2.51
Site Power	0.47
VLA Correlator	0.22
VLBA Records	2.09
Weather	13.07

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AB1316	Brunthaler, A. Fujisawa, K. Honma, M. Menten, K. Ritter, B. Rygl, K. Torstensson, K. vanLangevelde, H.	MPIfR Yamaguchi NAOJ MPIfR MPIfR MPIfR JIVE JIVE	Distance to Cygnus X star forming regions	6	11, 27	3.76
AC938	Chandra, P. Chevalier, R. Chugai, N. Fransson, C. Soderberg, A.	NRAO UVA Inst. of Astronomy Stockholm Princeton	Exploring the mysterious Type II in SN within 150 Mpc	3.6	2,5	7.59
AC940	Cassano, R. Brunetti, G. Giacintucci, S. Venturi, T. Clarke, T.E. Cohen, A.S. Cotton, W.D. Kassim, N.E. Lane, W.	INAF-Bologna INAF-Bologna CfA INAF-Bologna NRL NRL NRAO-CV NRL NRL	An ultra-steep spectrum radio halo in Abell 1682	90, 400	8	4.62
AC941	Clarke, T.E. Sarazin, C.	NRL Virginia	Resolving the Nature of the Unusually Steep Spectrum Source in Abell 1914	90, 400	11	4.26
AC951	Chandra, P. Frail, D.A. Soderberg, A.	NRAO NRAO Princeton	Late time deep radio monitoring of brightest naked eye burst GRB 080319B	20	2,3,4	8.33
AC952	Chandler, C. Goddi, C. Greenhill, L. Humphreys, L. Matthews, L.	NRAO CfA CfA CfA CfA	Monitoring the ionized disk or protostar Orion Source I	0.7	12	5.31
AF478	Frail, D. Bregman, J. Irwin, J.	NRAO Ann Arbor UMichigan	VLA Search for missing hot Baryons with the NVII line	0.7	31	1.92
AG806	Gliozzi, M. Cheung, C. Satyapal, S.	George Mason NASA-Goddard George Mason	A VLA view of NGC3621: a bulgeless galaxy hosting an AGN?	3.6, 6, 20	28	4.22
AG815	Goddi, C. Chandler, C. Greenhill, L. Humphreys, L. Matthews, L.	CfA NRAO CfA CfA CfA	High angular resolution imaging of SiO maser isotopic emission in Orion Source I	0.7	13	5.55
AH979	Hagiwara, Y.	NAOJ	Probing the binary AGN in NGC6240 with water maser	1.3	12	3.59
AH980	Hyman, S. Kassim, N. Lazio, J. Pal, S. Ray, P. Roy, S. Wijnands, R.	Sweet Briar NRL NRL Tata Inst. NRL NFRA U, Amsterdam	Monitoring for transient radio sources in the Galactic Center	90	2, 26	2.74
AH984	Hofstadter, M. Butler, B. Gurwell, M. Orton, G. Hesman, B.	JPL NRAO-Socorro CfA JPL NASA-GSFC	Observations of Uranus and Neptune	0.7, 1.3, 20	5, 9, 10	22.31
AH988	Hess, Kelley Wilcots, E.	Wisconsin Wisconsin	Radio continuum survey of fossil groups	20	26,29,30	21.20
AJ352	Chambers, E. Jackson, J.	Boston Boston	High resolution imaging of methanol masers in infrared dark cloud cores	1.3	2	0.96
AK706	Hagiwara, Y.	NAOJ	Probing the binary AGN in NGC6240 with water maser	1.3	3, 5	3.29
AL730	Lovell, J. Macquart, J. Rickett, B. Bignall, H. Jauncey, D. Kedziora-Chudczer, L. Ojha, R. Pursimo, T.	ATNF Caltech Calif.-San Diego Curtin ATNF ATNF USNO IAC	What causes the redshift dependence of scintillating AGN?	3.6, 6	...	173.9

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
AM941	Mangum, J. Darling, J. Menten, K. Henkel, C.	NRAO-CV Colorado MPIFR MPIFR	Formaldehyde Densitometry of Starburst Galaxies	2, 6 line	31, 31	6.28
AM970	Morris, K. Butler, B.	NRAO-Socorro NRAO-Socorro	Radio Observations of Venusian Lightning	20	4	1.85
AO242	Orsky, E. Barvainis, R. Behar, E. Laor, A.	Israel NSF Israel Israel	Continuation of the VLA-RXTE monitoring of radio quiet AGN	3.6, 6	2,3,4,7,9,10 ,12	6.80
AR682	Rottgering, H. Barthel, P.D. Best, P. Bower, G.C. Cohen, A.S. Cotton, W.D. Croft, S. Jarvis, M. Miley, G. Morganti, R. Snellen, I.A.G. Stern, D. Batejat, F. Intema, H. van Weeren, R.	Leiden Groningen Edinburgh Calif.-Berkeley NRL NRAO-CV Calif.-Berkeley Hertfordshire Leiden NFRA Leiden JPL Onsala Leiden Leiden	The 74 MHz Ultra-Deep Field	400	3, 4, 5, 6, 9, 10	33.30
AR685	Richards, G. Becker, R. Brandt, N. Fan, X. Hodge, J. Jester, S. Kratzer, R. Lacy, M. Schneider, D. Strauss, M. White, R.	Drexel Calif., Davis Penn State Arizona Calif., Davis MPIFA Drexel Caltech Penn State Princeton STScI	Deep VLA obs. of SDSS Stripe 82	20	3,4,10,11,26 ,27,28,30	37.68
AR687	Rolffs, R. Schilke, P. Wyrowski, F. Menten, K. Thorwirth, S.	MPIFR MPIFR MPIFR MPIFR Cologne	Revealing the inner structure of hot cores by vibrationally excited HCN	0.7 line	30, 31	8.35
AS962	Immler, S. Marcaide, J-M. Panagia, N. Pooley, D. Ryder, S. Sramek, R. Van Dyk, S. Weiler, K. Williams, C.	NASA Valencia STScI Wisconsin Anglo-Australian Obs NRAO Spitzer NRL MIT	ToO Obs. of core collapse SN (Type II)	1.3, 3.6	26,27,29	5.09
AS963	Sokoloski, J. Eyes, S. Mioduszewski, A. Rupen, M.	Columbia Lancashire NRAO NRAO	First radio imaging survey for white dwarf jets	1.3	2,4,5,8,9,10	14.46
AV309	Vlemmings, W. Claussen, M. Fendt, C. Surcis, G.	Bonn NRAO MPIFR Bonn	Probing magnetic launching of HH 212 jet with water masers	1.3	27	0.45
AW745	Wang, R. Carilli, C. Wagg, J. Walter, F. Bertoldi, F. Cox, P. Menten, K. Omont, A. Fan, X. Strauss, M. Jiang, L.	Peking Obs. NRAO-Socorro NRAO-Socorro MPIA Bonn Univ. IAP-Paris MPIFR IAP-Paris Arizona Princeton Univ. Arizona	Radio Emission from the Most Distant Quasars	20	2	2.77
DYNAMI			Dynamic scheduling			203.3

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Progm	Observer	Affiliation	Program Title	Bands cm	Observing Date	Sched Hours
	Staff	NRAO	Baselines, Pointing, Delays			37.0
			Maintenance			62.0
			Move/Operations		15, 20	10.0
			Polarization Calibrator Monitoring			12.0
			New Years Shutdown		1	16.1
			Software			58.0

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	Actual Hours	Percentage
Astronomy	390.62	57.63
Unscheduled	56.63	8.35
Maintenance	62.00	9.15
Test/Calc	152.50	22.50
Shutdown	16.10	2.38
Total	677.85	100.00

Average downtime measured in antenna hours was 14.48% of scheduled antenna hours, distributed as:

System	Percentage
Antenna	1.33
Cryogenics	0.78
Electrical	3.31
EVLA	59.56
EVLA Computers	0.10
FOC/ROT	4.13
Front End	9.18
HVAC	0.09
Interference	0.66
LO/IF	2.97
Mechanical	0.44
Obs. Program	0.31
Other	11.73
Power Supply	0.03
Servo	2.98
VLA Correlator	0.08
Weather	1.85
Wye Monitor	0.48