

Sheet

VLBA Observations for April 1 through April 30, 2016

Project	Observer	Bands	Obs Date	Obs Hours	Scale	Scaled Obs Hrs
BA111	An, Tao	.7cm	04/22/16	7.75	14.82	114.88
BB345	Barrett, Paul	4cm	04/26,27/2016	10	14.43	144.29
BB365	Burgasser, Adam	6cm	04/02/16	8.5	13.13	111.62
BD186	Deller, A.	20cm	04/01/16	4	15.14	60.57
BF118 *	Fey, A.	13,4cm	04/19/16	24	1.35	32.40
BG234	Gu, Minfeng	6cm	04/12/16	6.5	10.61	68.99
BK194	Kunert-Bajraszewska M.	6cm	04/9,10,14/2016	11.5	14.88	171.16
BK196	Kovalov, Y.Y.	20,6cm	04/17/16	2	2.02	4.03
BL175	Lohard, Laurent	6cm	04/1,3,4,7,10,11,14,28,29,30/2016	67	13.11	878.26
BL215	Lico, Rocco	2,1,.7cm	04/05/16	6	15.14	90.85
BL223	Sjouwerman, L.	6cm	04/20/16	7	14.91	104.36
BM413	Marscher, A.	.7cm	04/22/16	24	13.11	314.66
BM420	Motogl, Kazuhito	6cm	04/12/16	3	1.87	5.62
BM429	Miller-Jones, J.	20cm	04/09/16	1	3.65	3.65
BM438	Moolay, Kunal	6cm	04/01/16	2.75	14.93	41.06
BM439	Main, Robert	20cm	04/23/16	7	15.64	109.49
BP187	Pihlstrom, Y.	.7cm	04/15/16	7	5.92	41.44
BP192	Petrov, L.	6cm	04/18,19,26/2016	15.75	12.44	198.00
BP196	Gioiroliti, Marcello	6cm	04/24,25,27,28,29,30/2016	6	15.25	91.48
BP197	Pihlstrom, Y.	.7cm	04/24/16	7	6.47	45.29
BP199	Pihlstrom, Y.	.7cm	04/05,07,26/2016	3	14.66	43.97
BR210	Feld, M.	1,6cm	04/02,03,04,11,15,16,18,29/2016	56	2.43	135.85
BS237	Burke-Spolaor, Sarah	13,4,6cm	04/02,02,04,11,13,18,21,27,29,30/2016	21.25	12.96	275.35
BS247	Soderberg, A.M.	4cm	04/30/16	8	15.11	120.85
BS250	Shu, Fengchun	4,13cm	04/25/16	8	14.13	113.08
BS251	Sphingola, Cristlana	20cm	04/17,18/2016	24	14.58	349.97
BT127	Tingay, S.	20cm	04/01,03,08,12,12,15,15/2016	21	15.00	315.00
BT132	Beasley, A.	13,4cm	04/08/16	24	5.99	143.82
BW115	Walker, R.C.	1,.7cm	04/03,10,21,27/2016	14	13.65	191.03
BZ048	Zhang, Hul	4,13cm	04/01,08/2016	10	14.08	140.80
F6xxx **	USNO	13,4cm	BI-monthly	2	5.40	10.80
GG079	Gomez, J.L.	.7,1,2,20,4,6cm	04/16,25/2016	29	3.86	111.98
N6xxx ***	USNO	4,13cm	Daily	6	9.18	55.08
S8214 ****	Gioiroliti, Marcello	13,2,4,6,.7,1cm	04/21/16	4	11.86	47.45
Totals				458.00		4685.11
Percentage				63.61		650.71

Number of hrs of observing possible =	720	
Number of hrs of astronomical observations =	458	63.61%
Number of hrs of calibration/tests =	64.25	8.92%
Number of hrs of maintenance =	75	10.42%
Number of unscheduled hours =	122.75	17.05%
Number of shutdown hours =	0	0.00%
Totals	720	100.00%

Downtime=	2.60%	11.91	hrs	
Actual observing=	458	-11.91	446.09	hrs

Based on Scaled (128Mbps) Observing Hours

Number of scaled hrs of astronomical observations=		4685.11	hrs	
Downtime=	2.60%	121.81	hrs	
Actual observing=	4685.11	-121.81	4563.30	hrs

* BF118 = RV117 Geodesy Project
 ** USNO BI-monthly Observations with 4 stations
 *** USNO Daily Observations with 2 stations
 **** Fermi Project

Sheet1

VLBA Observations for March 1 through March 31, 2016

Project	Observer	Bands	Obs Date	Obs Hours	Scale	Scaled Obs Hrs
BB361	Bannister, Keith	20,6,13cm	03/01,08,12,17,21/2016	20	7.38	147.69
BB370	Braatz, J.A.	1cm	03/10,21,24/2016	18	18.03	288.49
BC219	Chen, Xi	6cm	03/28/16	4.5	2.76	12.42
BD186	Deller, A.	20cm	03/19/16	4	16.12	60.50
BI042	Immer, Katharina	1,6cm	03/13,27/2016	14	2.69	37.64
BK194	Kunert-Bajraszewska, M.	6cm	03/13,14,21,22,27/2016	20	15.19	303.71
BL176	Loiuard, Laurent	4,6cm	15,17,17,20,24,25,26,26,30,31/2016	106.75	13.11	1,399.81
BL193	Lister, M.	2cm	03/05/16	24	13.19	316.62
BL226	Lonsdale, Carol	2,6cm	03/23/16	8	13.42	107.37
BM413	Marscher, A.	.7cm	03/18/16	24	13.16	315.94
BM428	Maccarone, T.J.	20cm	03/16/16	2.5	15.08	37.66
BM428	Maccarone, T.J.	20cm	03/21/16	1.75	14.15	24.77
BM438	Marecki, A.	20cm	03/28/16	7	15.79	110.50
BM438	Mooley, Kunal	4,6cm	03/24,26,30/2016	8.75	13.69	119.83
BO051	Orienti, Monlea	.7,1,2cm	03/15/16	6	14.54	87.26
BP199	Pihistrom, Y.	.7cm	03/10/16	1	14.72	14.72
BR210	Ried, M.	1,6cm	03/01,08,11,12,16,20,22,25/2016	54	2.40	129.67
BS235	Muller, S.	.7,2,1,3cm	03/11/16	5	13.69	68.45
BS237	Burke-Spolaor, Sarah	6,13,4cm	03/01,18,23,25,29,31/2016	12	13.68	164.11
BS250	Shu, Fengchun	13,4cm	03/22,28/2016	16	14.27	228.31
BT127	Tingay, S.	20cm	03/11,15,20,20,26,29/2016	17	17.65	299.99
BT133	Tripp, Adam	1,7cm	03/09/16	3	12.46	37.39
BT136	Tingay, S.	6cm	03/08/16	5.25	15.06	79.07
BW116	Walker, F.C.	1,7cm	03/10,14,20,27/2016	14	13.65	191.07
BW121	Wang, Ran	20cm	03/04,10,12,14/2016	10	15.27	152.71
BZ048	Zhang, Hul	4,13cm	03/05,18,29/2016	13	14.06	182.83
F6xxx *	USNO	13,4cm	Bi-monthly	2	5.40	10.80
GF019	Fenech, D.	20cm	03/07/16	24	3.40	81.58
GG079	Gomez, J.L.	20,2,4,6cm	03/30/16	12	3.93	47.12
N6xxx **	USNO	13,4cm	Daily	6.2	9.18	56.92
Totals				463.70		5114.90
Percentage				62.33		687.49

Number of hrs of observing possible =	744		
Number of hrs of astronomical observations =	463.7	62.33%	
Number of hrs of calibration/tests =	58.75	7.90%	
Number of hrs of maintenance =	76	10.22%	
Number of unscheduled hours =	145.55	19.56%	
Number of shutdown hours =	0	0.00%	
Totals	744	100.00%	

Downtime=	2.20%	10.20	hrs
Actual observing=	463.7	-10.2	453.50 hrs

Based on Scaled (128Mbps) Observing Hours

Number of scaled hrs of astronomical observations =		5114.90	hrs
Downtime=	2.20%	112.53	hrs
Actual observing=	5114.90	-112.53	5002.37 hrs

* USNO Bi-monthly Observations with 4 stations

** USNO Daily Observations with 2 stations

VLBA Observations for February 1 through February 29, 2016

Project	Observer	Bands	Obs Date	Obs Hours	Scale	Scaled Obs Hrs
BA111	An, Tao	.3,.7cm	02/05,05,09,20/2016	20.5	14.20	291.15
BB361	Bannister, Keith	20,13,6cm	02/04,08,12,16,23,27/2016	24.75	6.91	171.00
BB370	Braatz, J.A.	1cm	02/11,21,28/2016	18	16.01	288.25
BC222	Chen, Yongjun	.7cm	02/06/16	7	12.47	87.26
BC223	Cho, Se-Hyung	.7cm	02/07/16	7	10.33	72.32
BF116	Felli, Derek	20,1cm	02/21/16	8	1.00	8.00
BG239	Gu, Minfeng	6cm	02/13,14,15/2016	20	10.82	216.38
BG242	Gioirotti, Marcello	2,6cm	02/06,23/2016	7	15.52	108.67
BH181	Hallinan, Greg	6cm	02/23/16	5	15.06	75.28
BH208	Miller-Jones, J.	4cm	02/04,08/2016	2	14.30	28.60
BH210	Hada, Kazuhiro	20cm	02/16/16	8	15.20	121.61
BJ086	Jiang, Wu	.3,.7cm	02/27/16	8	13.33	106.63
BK194	Kunert-Bajraszewska M.	6cm	02/26,27/2016	8	15.44	123.53
BL175	Loinard, Laurent	6cm	02/25,28,29/2016	20.5	13.64	279.56
BL215	Lico, Rocco	1,2,.7cm	02/20/16	6	15.14	90.85
BM413	Marscher, A.	.7cm	02/02/16	22.5	13.11	294.98
BM419 *	Fey, A.	13,4cm	02/09/16	24	1.35	32.40
BM427	Mells, Carl	6cm	02/16/16	9	10.42	93.82
BP192	Petrov, L.	6cm	02/17/16	3.5	12.69	44.41
BP199	Pihlstrom, Y.	.7cm	02/04/16	1	14.76	14.76
BR210	Reid, M.	1,6cm	02/07,13,18,20,25,26,29/2016	49	2.41	117.99
BS235	Mueller, S.	2,.7,1,.3cm	02/05/16	5	13.69	68.45
BS237	Burke-Spolaor, Sarah	4,6,13cm	02/04,09,11,14,23,23/2016	10	13.63	136.30
BS261	Spingola, Cristiana	20cm	02/13,15,23/2016	36	15.32	551.47
BT127	Tingay, S.	20cm	02/06,07,09/2016	11	15.00	165.01
BW121	Wang, Ran	20cm	02/08,10,18,25/2016	12	15.28	183.40
BY136	Yan, Zhen	20cm	02/02/16	4	14.77	59.09
F6048 **	USNO	4,13cm	02/17/16	2	5.40	10.80
GF019	Fenech, D.	6cm	02/19/16	24	3.44	82.53
GM073	McKean, John	6cm	02/22/16	14	14.56	203.87
N6034 ***	USNO	13,4cm	02/03/16	5.8	9.18	53.24
S8214 ****	Gioirotti, Marcello	4,6,.7,13,1,2cm	02/28/16	4	11.86	47.43

Totals 406.55 4229.04
 Percentage 58.41 607.62

Number of hrs of observing possible = 696
 Number of hrs of astronomical observations = 406.55 58.41%
 Number of hrs of calibration/tests = 74.25 10.67%
 Number of hrs of maintenance = 76 10.92%
 Number of unscheduled hours = 139.2 20.00%
 Number of shutdown hours = 0 0.00%
 Totals 696 100.00%

Downtime= 2.30% 9.35 hrs
 Actual observing= 406.55 -9.35 397.20 hrs

Based on Scaled (128Mbps) Observing Hours

Number of scaled hrs of astronomical observations= 4229.04 hrs
 Downtime= 2.30% 97.27 hrs
 Actual observing= 4229.04 -97.27 4131.77 hrs

* BM419 = RV116
 ** USNO Bi-monthly Observations with 4 stations
 *** USNO Daily Observations with 2 stations
 **** Fermi Project

VLBA Observations for January 1 through January 31, 2016

Project	Observer	Bands	Obs Date	Obs Hours	Rate Factor	Scaled Obs Hrs
BA111	An, Tao	.7cm	01/18/16	7.75	0.018	114.88
BA113	An, Tao	2cm	01/25/16	8	0.018	123.41
BB325	Bannister, Keith	20cm	01/04/16	0.5	0.018	8.00
BB361	Bannister, Keith	8,13,20cm	01/07,15,22,28/2016	19	0.018	131.40
BB365	Burgasser, Adam	6cm	01/26/16	6.5	0.018	114.39
BB370	Braatz, J.A.	1cm	01/18/16	6	0.018	72.38
BC221	Chen, Yongjun	2,4,7,13,1cm	01/30/16	6	0.018	62.48
BC223	Cho, Se-Hyung	1cm	01/10/16	7	0.018	72.32
BD165	Mioduszewski, A.J.	4cm	01/03/16	6.5	0.018	86.74
BD188	Dexter, Jason	6cm	01/30/16	6	0.018	86.69
BG242	Gioielli, Marcello	2,6,4cm	01/24,30/2016	7	0.018	107.55
BH208	Miller-Jones, J.	4cm	01/02,02,04,09,11,15,20,31,31/2016	9	0.018	128.29
BH211	Hada, Kazuhiro	4,20,6,7,1,13,2cm	01/02/16	9.5	0.018	121.27
BJ082	Dhawan, V.	4cm	01/04/16	4	0.018	62.20
BJ083	Jacobs, Christopher	1cm	01/28/16	24	0.018	228.19
BL193	Lister, M.	2cm	01/16,22/2016	48	0.018	642.13
BL209	Lonsdale, C.J.	4,20,2,6cm	01/12/16	24	0.018	341.86
BL216	Lico, Rocco	.7,1,2cm	01/03/16	4	0.018	58.36
BM413	Marscher, A.	.7cm	01/01,31/2016	25.5	0.018	335.61
BM419 *	Ma, C.	4,13cm	01/18/16	24	0.018	32.40
BM426	Maccarone, T.J.	20cm	01/24/16	2.5	0.018	38.23
BO051	Orienti, Monica	.7,1,2cm	01/02/16	6	0.018	87.26
BP187	Pihlstrom, Y.	.7cm	01/18/16	7	0.018	41.44
BP192	Petrov, L.	6cm	01/03,04,05,07,08,09,10,20,24,29/2016	43	0.018	549.54
BP199	Pihlstrom, Y.	.7cm	01/02,22,24/2016	3	0.018	43.70
BR210	Ried, M.	1cm	01/27/16	7	0.018	15.88
BS237	Burke-Spolaor, Sarah	13,4,6cm	01/04,05,08,09,09,10,11,13,20,23,24/2016	25.5	0.018	342.54
BT127	Tingay, S.	20cm	01/05,06,08,10,11,13,19,21,26,27/2016	38	0.018	578.07
BT131	Truelsenbach, Alexand	4cm	01/11,28/2016	10	0.018	52.98
BW115	Walker, R.C.	1,7cm	01/18/16	11	0.018	148.75
BZ058	Zhang, Hui	6cm	01/08,09,31/2016	9	0.018	123.59
F6xxx **	USNO	13,4cm	Bi-monthly	2	0.018	10.80
N6xxx ***	USNO	13,4cm	Daily	6.2	0.018	56.92
Totals				423.45		5012.30
Percentage				58.82		673.70

Number of hrs of observing possible =	744	
Number of hrs of astronomical observations =	423.45	56.92%
Number of hrs of calibration/tests =	62.93	8.46%
Number of hrs of maintenance =	62	8.33%
Number of unscheduled hours =	195.62	26.29%
Number of shutdown hours =	0	0.00%
Totals	744	100.00%

Downtime=	4.70%	19.80	hrs
Actual observing=	423.45	-19.9	403.55 hrs

Based on Scaled (128Mbps) Observing Hours

Number of scaled hrs of astronomical observations=		5012.30	hrs
Downtime=	4.70%	235.58	hrs
Actual observing=	5012.30	-235.58	4776.72 hrs

* BM419 = RV116
 ** USNO Bi-monthly Observations with 4 stations
 *** USNO Daily Observations with 2 stations