

The CHARA/JMMC Data Archiving Project and 2015 Schedule

Chris Farrington Atlanta, GA March 18, 2015





















But first.....

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SEPARATED FRINGE PACKET OBSERVATIONS WITH THE CHARA ARRAY. II. ω ANDROMEDA, HD 178911, AND ξ CEPHEI

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ABSTRACT

When observed with optical long-baseline interferometers, components of a binary star that are sufficiently separated produce their own interferometric fringe packets; these are referred to as separated fringe packet (SFP) binaries. These SFP binaries can overlap in angular separation with the regime of systems resolvable by speckle interferometry at single, large-aperture telescopes and can provide additional measurements for preliminary orbits lacking good phase coverage, help constrain elements of already established orbits, and locate new binaries in the undersampled regime between the bounds of spectroscopic surveys and speckle interferometry. In this process, a visibility calibration star is not needed, and the SFPs can provide an accurate vector separation. In this paper, we apply the SFP approach to ω Andromeda, HD 178911, and ξ Cephei with the CLIMB three-beam combiner























The Project

- Originally planned to be part of MSIP
- Level 0 reduced data for Classic and CLIMB (possibly PAVO, JouFLU)
- Started in Jan 2014
- 31260 data files from 2006-2014
- Searchable database of all L0 reduced data taken so far.
- http://oidb-beta.jmmc.fr/search.html





















Google Docs Master Schedule

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×	A	В	С	D	E	F	G	н	
1	Day/Mon	2003	2004	2005	2006	2007	2008	2009	
В	27-Mar	2003	Closed	Closed	Closed	Closed	Closed	Closed	
9	28-Mar		Regulus-CHARA	Closed	Closed	Closed	Closed	Closed	
0	29-Mar		Regulus-CHARA	Closed	Closed	Closed	Closed	Closed	
1	30-Mar		Regulus-CHARA	Closed	Closed	Closed	Closed	Closed	
2	31-Mar		Regulus-CHARA	Closed	Farrington	Closed	Closed	Closed	
3	1-Apr		Regulus-CHARA	Gies	Farrington	Sturmann	Ireland, Boyajian	ENG	
4	2-Apr		Regulus-CHARA	Gies	Farrington	Sturmann	Ireland, Boyajian	ENG	
5	3-Apr		Regulus-CHARA	Gies	Farrington	Boyajian	Ireland, Boyajian	Raghavan	
6	4-Apr		Regulus-CHARA	Gies	Farrington	Boyajian	Ireland, Boyajian	Raghavan	
7	5-Apr		Regulus-CHARA	Gies	Farrington	Boyajian	Ireland, Boyajian	Akeson	
8	6-Apr		Regulus-CHARA	Gies	Q	Boyajian	Ireland, Boyajian	Akeson	
9	7-Apr		Regulus-CHARA	Gies	Q	Boyajian	Ireland, O'Brien	Akeson	
0	8-Apr		Regulus-CHARA	Gies	Q	Boyajian	Ireland, O'Brien	von Braun/Boyajian	
1	9-Apr		Regulus-CHARA	Gies	Q	Farrington,Raghavan	Ireland, O'Brien	von Braun/Boyajian	
2	10-Apr		Regulus-CHARA	Gies	Q	Farrington, Raghavan	Ireland, O'Brien	von Braun/Boyajian	
23	11-Apr		Regulus-CHARA	Gies	Q	Farrington, Raghavan	Raghavan	Farrington	
4	12-Apr		Regulus-CHARA	Ogden	Q	Farrington, Raghavan	Raghavan	O'Brien	
5	13-Apr		Regulus-CHARA	Ogden	Q	Farrington, Raghavan	Raghavan	O'Brien	
6	14-Apr		Regulus-CHARA	Ogden	Q	Farrington,Raghavan	Raghavan	O'Brien	
7	15-Apr		Regulus-CHARA	Ogden	Q	Farrington, Raghavan	Boyajian, Richardson	Parks	
8	16-Apr		Regulus-CHARA	Ogden	Q	Farrington, Raghavan	Boyajian, Richardson	Parks	
9	17-Apr			Ogden	Berger	Farrington,Raghavan	Boyajian, Richardson	Parks	
0	18-Apr		Foresto-FLUOR	Ogden	Berger	Farrington,Raghavan	Boyajian	Parks, Baines	
1	19-Apr		Foresto-FLUOR	Bagnuolo	Berger	Farrington,Raghavan	Boyajian	Baines	
2	20-Apr		Foresto-FLUOR	Bagnuolo	Akeson, Foresto	Farrington,Raghavan	Boyajian	Baines	
3	21-Apr		Foresto-FLUOR	Bagnuolo	Akeson, Foresto	Farrington,Raghavan	Boyajian	Baines	
4	22-Apr		Foresto-FLUOR	Bagnuolo	Akeson, Foresto	Farrington,Raghavan	Boyajian	Baines	
5	23-Apr		Foresto-FLUOR	Berger	Akeson,Foresto	Baines, Raghavan	Raghavan	Baines	
6	24-Apr		Foresto-FLUOR	Berger	Foresto	Baines, Raghavan	Raghavan	Baines	
7	25-Apr		Foresto-FLUOR	Berger	Foresto	Baines, Raghavan	Raghavan	Baines, Schaefer	
8	26-Apr		Foresto-FLUOR	Berger	Foresto	McAlister	Raghavan	Baines, Schaefer	
9	27-Apr		Foresto-FLUOR	Berger	Foresto	McAlister	Schaefer	Baines, Schaefer	
0	28-Apr		Foresto-FLUOR	Berger	Foresto/Aufdenberg	McAlister, Monnier	Schaefer Manager O'Brian	Baines, Schaefer	
1 2	29-Apr		Foresto-FLUOR	Berger	Foresto/Aufdenberg	Turner, Monnier	Merand, O'Brien	Baines, Schaefer	
2 3	30-Apr		Foresto-FLUOR Foresto-FLUOR	Berger	Foresto/Aufdenberg	Turner, Monnier Sturmann, Monnier	Merand, O'Brien Merand, O'Brien	Baines, Schaefer O'Brien	
4	1-May 2-May		Foresto-FLUOR Foresto-FLUOR	Boden	Foresto/Aufdenberg	Sturmann, Monnier Sturmann, Monnier	Merand, O'Brien Merand, O'Brien	O'Brien	
4 5	2-May 3-May		Foresto-FLUOR	Boden	Foresto/Aufdenberg Foresto/Aufdenberg	McAlister, Zhao, Monnier	Merand, O'Brien Merand, O'Brien	O'Brien	
3	4-May		Foresto-FLUOR	Boden	Foresto/Aufdenberg	McAlister, Zhao, Monnier	Merand, Obnen Merand, Baines	Farrington	
7	5-May		Foresto-FLUOR	van Belle	Foresto/Aufdenberg	McAlister, Zhao, Monnier McAlister, Zhao, Monnier	Merand, Baines	Bowsher	
В	6-May		Foresto-FLUOR	van Belle	Foresto	Baines, Monnier	Foresto, Baines	Bowsher	
9	7-May		Foresto-FLUOR	van Belle	Foresto	Baines, Monnier	Foresto, Baines	Richardson	
)	8-May		Foresto-FLUOR	vali Delle	Merand	Baines, Monnier	Foresto, Baines	Richardson	
1	9-May		Foresto-FLUOR	Farrington	Merand	Baines Monnier	Foresto, Baines	Richardson	



















Data Format

1	\square	Α	В	С	D	E	F	G	Н	I	J	K	L	M	N C
131 1/17/2014 HD 119024 Gordon 2014A-CL68P CLIMB CALL 56764.27928 K-Prime S2/W1/E1 248,93 299,03 285,84 39.2 6.5	1	# UT DATE	STAR	PI	Program	Combiner	Type	MJD	Filter	Scopes	B1	B2	В3	t0_obs	t0-500nm
14 17 2014 HD 120315 Gordon 2014A-CL68P CLIMB OBI 56764,27928 K-Prime \$2/W1/E1 249,35 299,03 265,48 59,2 6.9	212	4/17/2014	HD_107795	Gordon	2014A-CL6#P	CLIMB	CAL2	56764.24437	K-Prime	S2/W1/E1	187.47	313.51	252.08	38.4	6.7
17/7/2014 HD_119124	213	4/17/2014	HD_119024	Gordon	2014A-CL6#P	CLIMB	CAL1	56764.27071	K-Prime	S2/W1/E1	248.84	297.83	279.82	51.6	9.1
11	214	4/17/2014	HD_120315	Gordon	2014A-CL6#P	CLIMB	OBJ	56764.27928	K-Prime	S2/W1/E1	249.35	299.03	285.84	39.2	6.9
171 171	215	4/17/2014	HD_119124	Gordon	2014A-CL6#P	CLIMB	CAL2	56764.28725	K-Prime	S2/W1/E1	248.91	303.46	287.24	39.2	6.9
215 4/17/2014 HD_120315 Gordon 2014A-CL66P CLIMB OBJ 56764.31701 K-Prime S2/WJ/E1 246.03 311.81 293.75 55.3 5.7 214 7/17/2014 HD_119124 Gordon 2014A-CL66P CLIMB OBJ 56764.32532 K-Prime S2/WJ/E1 246.36 311.81 293.75 55.3 9.6 214 7/17/2014 HD_119024 Gordon 2014A-CL66P CLIMB OBJ 56764.33534 K-Prime S2/WJ/E1 242.22 311.32 293.83 39.1 6.9 214 7/17/2014 HD_119024 Gordon 2014A-CL66P CLIMB OBJ 56764.34242 K-Prime S2/WJ/E1 242.22 311.32 293.83 39.1 6.9 214 7/17/2014 HD_119024 Gordon 2014A-CL66P CLIMB OBJ 56764.35263 K-Prime S2/WJ/E1 242.22 311.32 293.83 39.1 6.9 215 4/17/2014 HD_119024 Gordon 2014A-CL66P CLIMB OBJ 56764.35263 K-Prime S2/WJ/E1 243.83 313.47 255.02 61.4 10.8 214 7/17/2014 HD_119024 Gordon 2014A-CL66P CLIMB CAL1 56764.39752 K-Prime S2/WJ/E1 375.23 315.2 525.02 61.4 10.8 215 4/17/2014 HD_159177 Gordon 2014A-CL66P CLIMB OBJ 56764.45905 K-Prime S2/WJ/E1 275.23 315.2 500.09 472. 8.3 216 4/17/2014 HD_155154 Gordon 2014A-CL66P CLIMB OBJ 56764.51256 K-Prime S2/WJ/E1 219.77 309.22 250.23 30.7 S.4 217 4/17/2014 HD_155763 Gordon 2014A-CL66P CLIMB OBJ 56764.51256 K-Prime S2/WJ/E1 219.83 312.6 279.4 475. 8.3 218 4/17/2014 HD_155763 Gordon 2014A-CL66P CLIMB OBJ 56764.51266 K-Prime S2/WJ/E1 227.31 313.43 281.43 46.7 8.2 219 4/17/2014 HD_155763 Gordon 2014A-CL66P CLIMB OBJ 56766.4578 H S2/WJ/E1 247.8 285.0 280.83 32.7 210 4/19/2014 HD_155763 Gordon 2014A-CL66P CLIMB OBJ 56766.4578 K-Prime S2/WJ/E1 231.85 310.91 271.85 283.3 219 4/19/2014 HD_155763 Gordon 2014A-CL66P CLIMB OBJ 56766.4578 K-Prime S2/WJ/E1 231.85 310.91 271.85 283.3 219 4/19/2014 HD_155763 Gordon 2014A-CL66P CLI	216	4/17/2014	HD_120315	Gordon	2014A-CL6#P	CLIMB	OBJ	56764.29931	K-Prime	S2/W1/E1	248.93	305.75	290.25	30.8	5.4
219 4/17/2014 HD_119124 Gordon 2014A-CL6FP CLIMB CAI2 56764.32532 K-Prime SZ/WI/E1 246.43 311.83 293.79 55.3 9.7 210 4/17/2014 HD_119024 Gordon 2014A-CL6FP CLIMB CAI1 56764.33424 K-Prime SZ/WI/E1 246.43 312.56 295.67 54.8 9.5 222 4/17/2014 HD_119015 Gordon 2014A-CL6FP CLIMB CAI1 56764.34424 K-Prime SZ/WI/E1 244.21 313.5 293.38 39.1 6.9 223 4/17/2014 HD_119024 Gordon 2014A-CL6FP CLIMB CAI1 56764.36222 K-Prime SZ/WI/E1 244.11 313.5 297.35 58 10.2 244/17/2014 HD_119024 Gordon 2014A-CL6FP CLIMB CAI1 56764.36222 K-Prime SZ/WI/E1 243.81 313.47 295.02 61.4 10.8 244/17/2014 HD_119024 Gordon 2014A-CL6FP CLIMB CAI1 56764.39732 K-Prime SZ/WI/E1 167.97 310.47 267.6 44.9 7.9 254 4/17/2014 HD_119757 Gordon 2014A-CL6FP CLIMB CAI1 56764.39732 K-Prime SZ/WI/E1 167.97 310.47 267.6 44.9 7.9 254 4/17/2014 HD_119575 Gordon 2014A-CL6FP CLIMB CAI1 56764.39732 K-Prime SZ/WI/E1 167.97 310.47 267.6 44.9 7.9 254 4/17/2014 HD_1155763 Gordon 2014A-CL6FP CLIMB CAI1 56764.39732 K-Prime SZ/WI/E1 217.77 307.22 250.23 30.7 5.4 254 4/17/2014 HD_1155763 Gordon 2014A-CL6FP CLIMB CAI2 56764.50217 K-Prime SZ/WI/E1 227.48 312.64 279.4 47.5 8.3 254 4/19/2014 HD_119024 Gordon 2014A-CL6FP CLIMB CAI2 56764.50216 K-Prime SZ/WI/E1 248.78 298.6 280.38 32 7.5 254 4/19/2014 HD_119024 Gordon 2014A-CL6FP CLIMB CAI2 56766.45688 K-Prime SZ/WI/E1 247.64 310.71 255.6 25.8 4.5 254 4/19/2014 HD_1155763 Gordon 2014A-CL6FP CLIMB CAI2 56766.45688 K-Prime SZ/WI/E1 247.64 310.71 255.6 25.8 4.5 254 4/19/2014 HD_155763 Gordon 2014A-CL6FP CLIMB CAI2 56766.45688 K-Prime SZ/WI/E1 248.78 299.79 266.32 26.6 6.2 254 4/19/2014 HD_155763	217	4/17/2014	HD_119024	Gordon	2014A-CL6#P	CLIMB	CAL1	56764.30809	K-Prime	S2/W1/E1	246.76	308.66	288.26	33.5	5.9
2014A-CL6#P CUMB OBJ 56764.33534 K-Prime \$2/W1/E1 246.4 312.56 255.67 54.8 9.6 2014A-CL6#P CUMB CAL1 56764.34442 K-Prime \$2/W1/E1 242.22 313.23 233.38 39.1 6.9 24/17/2014 HD 119024 Gordon 2014A-CL6#P CUMB OBJ 56764.34525 K-Prime \$2/W1/E1 242.22 313.23 233.38 39.1 6.9 24/17/2014 HD 119024 Gordon 2014A-CL6#P CUMB CAL1 56764.36222 K-Prime \$2/W1/E1 238.8 313.47 250.0 61.4 10.8 24/17/2014 HD 119024 Gordon 2014A-CL6#P CUMB CAL1 56764.36222 K-Prime \$2/W1/E1 179.73 310.47 267.6 44.9 7.9 225.4 117/2014 HD 1195757 Gordon 2014A-CL6#P CUMB OBJ 56764.45030 K-Prime \$2/W1/E1 179.73 310.47 267.6 44.9 7.9 225.4 117/2014 HD 1195154 Gordon 2014A-CL6#P CUMB CAL1 56764.45030 K-Prime \$2/W1/E1 219.77 309.22 250.23 30.7 5.4 24/17/2014 HD 155563 Gordon 2014A-CL6#P CUMB OBJ 56764.51256 K-Prime \$2/W1/E1 219.77 309.22 250.23 30.7 5.4 24/17/2014 HD 155295 Gordon 2014A-CL6#P CUMB OBJ 56764.51256 K-Prime \$2/W1/E1 226.2 312.64 279.4 47.5 8.3 24/17/2014 HD 155295 Gordon 2014A-CL6#P CUMB OBJ 56766.51256 K-Prime \$2/W1/E1 226.2 312.88 275.24 50.2 8.8 24/17/2014 HD 119024 Gordon 2014A-CL6#P CUMB OBJ 56766.5273 H \$2/W1/E1 227.31 313.43 281.44 46.7 8.2 24/19/2014 HD 119024 Gordon 2014A-CL6#P CUMB OBJ 56766.5273 H \$2/W1/E1 227.31 310.71 259.60 25.8 4.5 24/19/2014 HD 149212 Gordon 2014A-CL6#P CUMB OBJ 56766.6508 K-Prime \$2/W1/E1 249.32 299.79 26.32 26.6 6.2 232.44 24/19/2014 HD 150595 Gordon 2014A-CL6#P CUMB OBJ 56766.4508 K-Prime \$2/W1/E1 227.43 310.71 259.65 25.8 4.5 24/19/2014 HD 150595 Gordon 2014A-CL6#P CUMB OBJ 56766.4508 K-Prime \$2/W1/E1 227.43 310.71 259.65 25.8 4.5 24/19/2014 HD 150595 Gordon 2014A-CL	218	4/17/2014	HD_120315	Gordon	2014A-CL6#P	CLIMB	OBJ	56764.31701	K-Prime	S2/W1/E1	248.02	309.93	293.28	33.4	5.9
221 4/17/2014 HD_119024 Gordon 2014A-CL6FP CLIMB CAL1 56764.3442 K-Prime S2/W1/E1 242.22 313.23 293.38 39.1 6.9	219	4/17/2014	HD_119124	Gordon	2014A-CL6#P	CLIMB	CAL2	56764.32532	K-Prime	S2/W1/E1	246.36	311.83	293.79	55.3	9.7
222 4/17/2014 HD 120315 Gordon 2014A-CL6#P CLIMB OBJ 56764.35263 K-Prime S2/W1/E1 244.11 313.5 297.35 58 10.2 223 4/17/2014 HD 119024 Gordon 2014A-CL6#P CLIMB CAL1 56764.35222 K-Prime S2/W1/E1 238.8 313.47 295.02 61.4 10.8 20144-CL6#P CLIMB CAL1 56764.35762 K-Prime S2/W1/E1 167.97 310.47 267.6 44.9 7.9 225 4/17/2014 HD 149757 Gordon 2014A-CL6#P CLIMB OBJ 56764.49508 K-Prime S2/W1/E1 173.52 312.52 260.09 47.2 8.3 226 4/17/2014 HD 155154 Gordon 2014A-CL6#P CLIMB CAL1 56764.49508 K-Prime S2/W1/E1 219.77 309.22 250.23 30.7 5.4 227 4/17/2014 HD 155763 Gordon 2014A-CL6#P CLIMB OBJ 56764.51256 K-Prime S2/W1/E1 228.8 312.64 279.4 47.5 8.3 228 4/17/2014 HD 156295 Gordon 2014A-CL6#P CLIMB OBJ 56764.51256 K-Prime S2/W1/E1 228.2 312.88 275.24 50.2 8.8 229 4/17/2014 HD 156295 Gordon 2014A-CL6#P CLIMB CAL2 56764.52166 K-Prime S2/W1/E1 227.31 313.43 281.43 46.7 8.2 228 4/19/2014 HD 120315 Gordon 2014A-CL6#P CLIMB CAL2 56766.26738 S2/W1/E1 249.33 299.79 286.32 26.6 6.2 232 4/19/2014 HD 155763 Gordon 2014A-CL6#P CLIMB CAL1 56766.49388 K-Prime S2/W1/E1 249.33 299.79 286.32 26.6 6.2 233 4/19/2014 HD 156295 Gordon 2014A-CL6#P CLIMB CAL1 56766.49388 K-Prime S2/W1/E1 233.66 31.9 278.12 29.8 5.2 234 4/19/2014 HD 156295 Gordon 2014A-CL6#P CLIMB CAL1 56766.49388 K-Prime S2/W1/E1 233.66 31.9 278.12 29.8 5.2 234 4/19/2014 HD 156295 Gordon 2014A-CL6#P CLIMB CAL2 56766.49388 K-Prime S2/W1/E1 233.66 31.9 278.12 29.8 5.2 23.6 4/19/2014 HD 156295 Gordon 2014A-CL6#P CLIMB CAL2 56766.49388 K-Prime S2/W1/E1 233.66 31.9 278.12 29.8 5.2 23.6 4/19/2014 HD 156295 Gordon 2014A-CL6#P CLIMB CAL2 56766.49388	220	4/17/2014	HD_120315	Gordon	2014A-CL6#P	CLIMB	OBJ	56764.33534	K-Prime	S2/W1/E1	246.4	312.56	295.67	54.8	9.6
223 4/17/2014 HD 19024 Gordon 2014A-CL6#P CLIMB CALI 56764.36222 K-Prime S2/WI/EI 238.8 313.47 295.02 61.4 10.8	221	4/17/2014	HD_119024	Gordon	2014A-CL6#P	CLIMB	CAL1	56764.34442	K-Prime	S2/W1/E1	242.22	313.23	293.38	39.1	6.9
224 4/17/2014 HD_150177 Gordon 2014A-CL6#P CLIMB CAL1 56764.39752 K-Prime S2/W1/E1 167.97 310.47 267.6 44.9 7.9	222	4/17/2014	HD_120315	Gordon	2014A-CL6#P	CLIMB	OBJ	56764.35263	K-Prime	S2/W1/E1	244.11	313.5	297.35	58	10.2
225 4/17/2014 HD_159757 Gordon 2014A-CL6#P CLIMB OBJ 56764.40503 K-Prime \$2/W1/E1 173.52 312.52 260.09 47.2 8.3 226 4/17/2014 HD_155154 Gordon 2014A-CL6#P CLIMB CAL1 56764.48908 K-Prime \$2/W1/E1 219.77 309.22 250.23 30.7 5.4 27.4 4/17/2014 HD_155295 Gordon 2014A-CL6#P CLIMB CAL2 56764.50217 K-Prime \$2/W1/E1 219.77 309.22 250.23 30.7 5.4 27.4 4/17/2014 HD_155295 Gordon 2014A-CL6#P CLIMB OBJ 56764.50217 K-Prime \$2/W1/E1 218.64 312.64 279.4 47.5 8.3 27.5 4 279.4 47.5 8.3 279.4 279.4 47.5 8.3 279.4 279.4 47.5 8.3 279.4 279.4 279.4 279.4 279.5	223	4/17/2014	HD_119024	Gordon	2014A-CL6#P	CLIMB	CAL1	56764.36222	K-Prime	S2/W1/E1	238.8	313.47	295.02	61.4	10.8
2014A-CL6#P CLIMB CAL1 S6764.48908 K-Prime S2/W1/E1 219.77 309.22 250.23 30.7 5.4	224	4/17/2014	HD_150177	Gordon	2014A-CL6#P	CLIMB	CAL1	56764.39752	K-Prime	S2/W1/E1	167.97	310.47	267.6	44.9	7.9
227 4/17/2014 HD_156295 Gordon 2014A-CL6#P CLIMB CAL2 56764.50217 K-Prime S2/W1/E1 231.84 312.64 279.4 47.5 8.3 228 4/17/2014 HD_155763 Gordon 2014A-CL6#P CLIMB CAL2 56764.51266 K-Prime S2/W1/E1 226.2 312.88 275.24 50.2 8.8 27.5 231 4/17/2014 HD_156295 Gordon 2014A-CL6#P CLIMB CAL1 56766.26733 H S2/W1/E1 249.33 281.43	225	4/17/2014	HD_149757	Gordon	2014A-CL6#P	CLIMB	OBJ	56764.40503	K-Prime	S2/W1/E1	173.52	312.52	260.09	47.2	8.3
228	226	4/17/2014	HD_155154	Gordon	2014A-CL6#P	CLIMB	CAL1	56764.48908	K-Prime	S2/W1/E1	219.77	309.22	250.23	30.7	5.4
228	227	4/17/2014	HD_156295	Gordon	2014A-CL6#P	CLIMB	CAL2	56764.50217	K-Prime	S2/W1/E1	231.84	312.64	279.4	47.5	8.3
230 4/19/2014 HD_119024 Gordon 2014A-CL6#P CLIMB CAL1 S6766.26733 H S2/W1/E1 248.78 298.6 280.38 32 7.5	228			Gordon	2014A-CL6#P	CLIMB	OBJ	56764.51256	K-Prime	S2/W1/E1	226.2	312.88	275.24	50.2	8.8
231 4/19/2014 HD_120315 Gordon 2014A-CL6#P CLIMB OBJ 56766.27579 H S2/W1/E1 249.33 299.79 286.32 26.6 6.2 24 4/19/2014 HD_149212 Gordon 2014A-CL6#P CLIMB CAL1 56766.45688 K-Prime S2/W1/E1 227.64 310.71 265.96 25.8 4.5 24 4/19/2014 HD_155763 GOrdon 2014A-CL6#P CLIMB CAL1 56766.45688 K-Prime S2/W1/E1 231.85 310.91 271.85 28.3 5 24 4/19/2014 HD_155763 GOrdon 2014A-CL6#P CLIMB CAL2 56766.48678 K-Prime S2/W1/E1 231.85 310.91 271.85 28.3 5 24 4/19/2014 HD_155763 GOrdon 2014A-CL6#P CLIMB CAL2 56766.4978 K-Prime S2/W1/E1 233.86 311.9 278.12 29.8 5.2 24 4/19/2014 HD_156295 GOrdon 2014A-CL6#P CLIMB CAL2 56766.4988 K-Prime S2/W1/E1 228.89 312.18 273.88 28.5 5 24 24/19/2014 HD_156295 GOrdon 2014A-CL6#P CLIMB CAL2 56766.4988 K-Prime S2/W1/E1 227.46 313.41 281.38 26.6 4.7 24/20/2014 HD_36066 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.15863 H E1/W1 299.7 0 0 30 7 238 4/20/2014 HD_36066 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.15861 H E1/W1 304.79 0 0 25.8 6.1 24 4/20/2014 HD_36770 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.19781 H E1/W1 304.79 0 0 25.8 8.3 240 4/20/2014 HD_36770 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.19781 H E1/W1 310.25 0 0 25.1 5.9 24 4/20/2014 HD_36776 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.19783 H E1/W1 300.59 0 0 28.1 6.6 6 24 4/20/2014 HD_36776 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.2921 H E1/W1 306.59 0 0 28.1 6.6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	229	4/17/2014	HD_156295	Gordon	2014A-CL6#P	CLIMB	CAL2	56764.52166	K-Prime	S2/W1/E1	227.31	313.43	281.43	46.7	8.2
232 4/19/2014 HD_155763 Gordon 2014A-CL6#P CLIMB CAL1 56766.45688 K-Prime S2/W1/E1 227.64 310.71 265.96 25.8 4.5	230	4/19/2014	HD_119024	Gordon	2014A-CL6#P	CLIMB	CAL1	56766.26733	Н	S2/W1/E1	248.78	298.6	280.38	32	7.5
233 4/19/2014 HD_155763 Gordon 2014A-CL6#P CLIMB CAL1 56766.47978 K-Prime S2/W1/E1 231.85 310.91 271.85 28.3 5 234 4/19/2014 HD_156295 Gordon 2014A-CL6#P CLIMB CAL2 56766.48674 K-Prime S2/W1/E1 233.86 311.9 278.12 29.8 5.2 235 4/19/2014 HD_155763 Gordon 2014A-CL6#P CLIMB CAL2 56766.49488 K-Prime S2/W1/E1 228.89 312.18 273.88 28.5 5 236 4/19/2014 HD_156295 Gordon 2014A-CL6#P CLIMB CAL2 56766.5156 K-Prime S2/W1/E1 227.46 313.41 281.38 26.6 4.7 237 4/20/2014 HD_36066 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.15863 H E1/W1 299.7 O O 30 O 7 238 4/20/2014 HD_36770 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.1561 H E1/W1 297.53 O O 35.2 8.3 240 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.1924 H E1/W1 310.25 O O 25.1 5.9 241 4/20/2014 HD_87776 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.1938 H E1/W1 306.59 O O 28.1 6.6 242 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.20921 H E1/W1 306.59 O O 28.6 6.6 243 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.20921 H E1/W1 306.59 O O 28.6 6.6 243 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.23565 H E1/W1 299.64 O O 27.7 6.5 244 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.23573 H E1/W1 299.64 O O 28.7 6.7 24.6 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.23377 H E1/W1 299.64 O O 28.7 6.7 24.6 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.23377 H E1/W1 299.64 O O 28.3 6.6 24.7 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.23377 H E1/W1 299.64 O O 28.8	231	4/19/2014	HD_120315	Gordon	2014A-CL6#P	CLIMB	OBJ	56766.27579	Н	S2/W1/E1	249.33	299.79	286.32	26.6	6.2
234 4/19/2014 HD_156295 Gordon 2014A-CL6#P CLIMB CAL2 56766.48674 K-Prime S2/W1/E1 233.86 311.9 278.12 29.8 5.2	232	4/19/2014	HD_149212	Gordon	2014A-CL6#P	CLIMB	CAL1	56766.45688	K-Prime	S2/W1/E1	227.64	310.71	265.96	25.8	4.5
235 4/19/2014 HD_155763 Gordon 2014A-CL6#P CLIMB OBJ 56766.49488 K-Prime S2/W1/E1 228.89 312.18 273.88 28.5 5 236 4/19/2014 HD_156295 Gordon 2014A-CL6#P CLIMB CAL2 56766.5156 K-Prime S2/W1/E1 227.46 313.41 281.38 26.6 4.7 237 4/20/2014 HD_36066 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.15863 H E1/W1 299.7 0 0 30 7 238 4/20/2014 HD_45410 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.1651 H E1/W1 304.79 0 0 25.8 6.1 239 4/20/2014 HD_36770 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.17242 H E1/W1 297.53 0 0 35.2 8.3 240 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.19024 H E1/W1 310.25 0 0 25.1 5.9 241 4/20/2014 HD_87776 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.29024 H E1/W1 305.99 0 0 28.1 6.6 242 4/20/2014 SAO_81292 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.29021 H E1/W1 306.59 0 0 28 6.6 243 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.21565 H E1/W1 309.59 0 0 28 6.6 244 4/20/2014 SAO_81292 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.2342 H E1/W1 300.4 0 0 27.7 6.5 244 4/20/2014 SAO_81292 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.2342 H E1/W1 300.4 0 0 28.7 6.7 245 4/20/2014 HD_87776 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.2342 H E1/W1 287.3 0 0 25.9 6.1 246 4/20/2014 SAO_81292 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.23472 H E1/W1 287.3 0 0 25.9 6.1 246 4/20/2014 SAO_81292 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.23472 H E1/W1 291.96 0 0 28.3 6.6 247 4/20/2014 SAO_81292 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.23472 H E1/W1 291.96 0 0 28.3 6.6 248 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.23472 H E1/W1 291.96 0 0 28.3 6.6 249 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.23472 H E1/W1 291.96 0 0 28.8 6.8	233	4/19/2014	HD_155763	Gordon	2014A-CL6#P	CLIMB	CAL1	56766.47978	K-Prime	S2/W1/E1	231.85	310.91	271.85	28.3	5
236 4/19/2014 HD_156295 Gordon 2014A-CL6#P CLIMB CAL2 56766.5156 K-Prime S2/W1/E1 227.46 313.41 281.38 26.6 4.7 237 4/20/2014 HD_36066 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.15863 H E1/W1 299.7 0 0 30 7 238 4/20/2014 HD_45410 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.1651 H E1/W1 304.79 0 0 25.8 6.1 239 4/20/2014 HD_36770 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.17242 H E1/W1 297.53 0 0 35.2 8.3 240 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.19024 H E1/W1 310.25 0 0 25.1 5.9 241 4/20/2014 HD_87776 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.19783 H E1/W1 305.99 0 0 28.1 6.6 242 4/20/2014 BO_88307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.29021 H E1/W1 305.99 0 0 28.1 6.6 243 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.29021 H E1/W1 306.59 0 0 27.7 6.5 244 4/20/2014 BO_88307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.21565 H E1/W1 299.64 0 0 27.7 6.5 244 4/20/2014 SAO_81292 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.2342 H E1/W1 299.64 0 0 27.7 6.5 245 4/20/2014 BO_87776 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.2342 H E1/W1 299.64 0 0 28.7 6.7 245 4/20/2014 BO_87776 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.2342 H E1/W1 287.3 0 0 25.9 6.1 246 4/20/2014 SAO_81292 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.23877 H E1/W1 291.96 0 0 28.3 6.6 247 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.23877 H E1/W1 291.96 0 0 28.3 6.6 248 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.23877 H E1/W1 291.96 0 0 28.3 6.6 249 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.23877 H E1/W1 291.96 0 0 28.3 6.6 240 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.23877 H E1/W1 291.96 0 0 28.8 6.8	234	4/19/2014	HD_156295	Gordon	2014A-CL6#P	CLIMB	CAL2	56766.48674	K-Prime	S2/W1/E1	233.86	311.9	278.12	29.8	5.2
237 4/20/2014 HD_36066 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.15863 H E1/W1 299.7 0 0 30 7 238 4/20/2014 HD_45410 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.1651 H E1/W1 304.79 0 0 25.8 6.1 239 4/20/2014 HD_36770 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.17242 H E1/W1 297.53 0 0 35.2 8.3 240 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.19024 H E1/W1 310.25 0 0 25.1 5.9 241 4/20/2014 HD_87776 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.19783 H E1/W1 305.99 0 0 28.1 6.6 242 4/20/2014 SAO_81292 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.2911 H E1/W1 306.59 0 0 28 6.6 243 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.2911 H E1/W1 299.64 0 0 27.7 6.5 244 4/20/2014 SAO_81292 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.2342 H E1/W1 299.64 0 0 27.7 6.5 245 4/20/2014 HD_87776 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.2342 H E1/W1 287.3 0 0 28.7 6.7 245 4/20/2014 HD_87776 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.23877 H E1/W1 287.3 0 0 28.3 6.6 247 4/20/2014 SAO_81292 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.23877 H E1/W1 291.96 0 0 28.3 6.6 248 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.23877 H E1/W1 291.96 0 0 28.3 6.6 249 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.23877 H E1/W1 291.96 0 0 28.3 6.6 240 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.23877 H E1/W1 291.96 0 0 28.3 6.6 241 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.24728 H E1/W1 291.96 0 0 28.3 6.6 242 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.24728 H E1/W1 291.96 0 0 28.8 6.8	235	4/19/2014	HD_155763	Gordon	2014A-CL6#P	CLIMB	OBJ	56766.49488	K-Prime	S2/W1/E1	228.89	312.18	273.88	28.5	5
238 4/20/2014 HD_45410 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.1651 H E1/W1 304.79 0 0 25.8 6.1 239 4/20/2014 HD_36770 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.17242 H E1/W1 297.53 0 0 35.2 8.3 240 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.19024 H E1/W1 310.25 0 0 25.1 5.9 241 4/20/2014 HD_87776 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.19783 H E1/W1 305.99 0 0 28.1 6.6 242 4/20/2014 SAO_81292 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.20921 H E1/W1 306.59 0 0 28 6.6 243 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.21565 H E1/W1 299.64 0 0 27.7 6.5 244 4/20/2014 SAO_81292 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.2242 H E1/W1 300.4 0 0 28.7 6.7 245 4/20/2014 HD_87776 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.2342 H E1/W1 300.4 0 0 28.7 6.7 245 4/20/2014 HD_87776 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.2347 H E1/W1 287.3 0 0 25.9 6.1 246 4/20/2014 SAO_81292 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.23877 H E1/W1 291.96 0 0 28.3 6.6 247 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.23877 H E1/W1 291.96 0 0 28.3 6.6 247 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.23877 H E1/W1 291.96 0 0 28.3 6.6 247 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.23877 H E1/W1 291.96 0 0 28.3 6.6 247 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.23877 H E1/W1 291.96 0 0 28.3 6.6 247 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.24728 H E1/W1 278.55 0 0 26 6.1 248 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.24728 H E1/W1 278.55 0 0 28.8 6.8 248 4/20/2014 HD_87776 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.24728 H E1/W1 266.97 0 0 28.8 6.8 248 4/20/2014 HD_87776 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.24728 H E1/W1 266.97 0 0 28.8 6.8 249 20/2014 HD_87776 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.24728 H E1/W1 266.97 0 0 28.8 6.8 249 20/2014 HD_87776 Boyajian/von Braun 2014A-C2#P CLASSIC OB	236	4/19/2014	HD_156295	Gordon	2014A-CL6#P	CLIMB	CAL2	56766.5156	K-Prime	S2/W1/E1	227.46	313.41	281.38	26.6	4.7
239 4/20/2014 HD_87776 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.17242 H EL/W1 297.53 0 0 35.2 8.3 240 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.19024 H E1/W1 310.25 0 0 25.1 5.9 241 4/20/2014 HD_87776 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.19783 H E1/W1 305.99 0 0 28.1 6.6 242 4/20/2014 SAO_81292 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.20921 H E1/W1 306.59 0 0 28 6.6 243 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.21565 H E1/W1 299.64 0 0 27.7 6.5 244 4/20/2014 SAO_81292 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.22342 H E1/W1 300.4 0 0 28.7 6.7 245 4/20/2014 HD_87776 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.23073 H E1/W1 300.4 0 0 25.9 6.1 246 4/20/2014 SAO_81292 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.23073 H E1/W1 291.96 0 0 28.3 6.6 247 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.2377 H E1/W1 291.96 0 0 28.3 6.6 247 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.24728 H E1/W1 291.96 0 0 28.3 6.6 248 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.24728 H E1/W1 291.96 0 0 28.3 6.6 249 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.24728 H E1/W1 291.96 0 0 28.8 6.8	237	4/20/2014	HD_36066	Boyajian/von Braun	2014A-C2#P	CLASSIC	OBJ	56767.15863	Н	E1/W1	299.7	0	0	30	7
240 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.19024 H E1/W1 310.25 0 0 25.1 5.9 241 4/20/2014 HD_87776 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.19783 H E1/W1 305.99 0 0 28.1 6.6 242 4/20/2014 SAO_81292 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.20921 H E1/W1 306.59 0 0 28 6.6 243 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.21565 H E1/W1 299.64 0 0 27.7 6.5 244 4/20/2014 SAO_81292 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.22342 H E1/W1 300.4 0 0 28.7 6.7 245 4/20/2014 HD_87776 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.23073 H E1/W1 287.3 0 0 25.9 6.1 246 4/20/2014 SAO_81292 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.23877 H E1/W1 291.96 0 0 28.3 6.6 247 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.24728 H E1/W1 278.55 0 0 26 6.1 248 4/20/2014 HD_87776 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.24728 H E1/W1 278.55 0 0 28.8 6.8	238	4/20/2014	HD_45410	Boyajian/von Braun	2014A-C2#P	CLASSIC	OBJ	56767.1651	Н	E1/W1	304.79	0	0	25.8	6.1
241 4/20/2014 HD_87776 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.19783 H E1/W1 305.99 0 0 28.1 6.6 242 4/20/2014 SAO_81292 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.20921 H E1/W1 306.59 0 0 28 6.6 243 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.21565 H E1/W1 299.64 0 0 27.7 6.5 244 4/20/2014 SAO_81292 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.22342 H E1/W1 300.4 0 0 28.7 6.7 245 4/20/2014 HD_87776 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.23073 H E1/W1 287.3 0 0 25.9 6.1 246 4/20/2014 SAO_81292 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.23877 H E1/W1 291.96 0 0 28.3 6.6 247 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.24728 H E1/W1 278.55 0 0 26 6.1 248 4/20/2014 HD_87776 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.24728 H E1/W1 278.55 0 0 28.8 6.8	239	4/20/2014	HD_36770	Boyajian/von Braun	2014A-C2#P	CLASSIC	OBJ	56767.17242	Н	E1/W1	297.53	0	0	35.2	8.3
242 4/20/2014 SAO_81292 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.20921 H E1/W1 306.59 0 0 28 6.6 243 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.21565 H E1/W1 299.64 0 0 27.7 6.5 244 4/20/2014 SAO_81292 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.22342 H E1/W1 300.4 0 0 28.7 6.7 245 4/20/2014 HD_87776 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.23073 H E1/W1 287.3 0 0 25.9 6.1 246 4/20/2014 SAO_81292 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.23877 H E1/W1 291.96 0 0 28.3 6.6 247 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.24728 H E1/W1 278.55 0 0 26 6.1 248 4/20/2014 HD_87776 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.24728 H E1/W1 278.55 0 0 26 6.1 248 4/20/2014 HD_87776 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.25761 H E1/W1 266.97 0 0 28.8 6.8	240	4/20/2014	HD_89307	Boyajian/von Braun	2014A-C2#P	CLASSIC	OBJ	56767.19024	Н	E1/W1	310.25	0	0	25.1	5.9
243 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.21565 H E1/W1 299.64 0 0 27.7 6.5 244 4/20/2014 SAO_81292 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.22342 H E1/W1 300.4 0 0 28.7 6.7 245 4/20/2014 HD_87776 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.23073 H E1/W1 287.3 0 0 25.9 6.1 246 4/20/2014 SAO_81292 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.23877 H E1/W1 291.96 0 0 28.3 6.6 247 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.24728 H E1/W1 278.55 0 0 26 6.1 248 4/20/2014 HD_87776 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.25761 H E1/W1 266.97 0 0 28.8 6.8	241	4/20/2014	HD_87776	Boyajian/von Braun	2014A-C2#P	CLASSIC	OBJ	56767.19783	Н	E1/W1	305.99	0	0	28.1	6.6
244 4/20/2014 SAO_81292 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.22342 H E1/W1 300.4 0 0 28.7 6.7 245 4/20/2014 HD_87776 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.23073 H E1/W1 287.3 0 0 25.9 6.1 246 4/20/2014 SAO_81292 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.23877 H E1/W1 291.96 0 0 28.3 6.6 247 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.24728 H E1/W1 278.55 0 0 26 6.1 248 4/20/2014 HD_87776 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.25761 H E1/W1 266.97 0 0 28.8 6.8	242	4/20/2014	SAO_81292	Boyajian/von Braun	2014A-C2#P	CLASSIC	OBJ	56767.20921	Н	E1/W1	306.59	0	0	28	6.6
245 4/20/2014 HD_87776 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.23073 H E1/W1 287.3 0 0 25.9 6.1 246 4/20/2014 SAO_81292 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.23877 H E1/W1 291.96 0 0 28.3 6.6 247 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.24728 H E1/W1 278.55 0 0 26 6.1 248 4/20/2014 HD_87776 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.25761 H E1/W1 266.97 0 0 28.8 6.8	243	4/20/2014	HD 89307	Boyajian/von Braun	2014A-C2#P	CLASSIC	OBJ	56767.21565	Н	E1/W1	299.64	0	0	27.7	6.5
246 4/20/2014 SAO_81292 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.23877 H E1/W1 291.96 0 0 28.3 6.6 247 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.24728 H E1/W1 278.55 0 0 26 6.1 248 4/20/2014 HD_87776 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.25761 H E1/W1 266.97 0 0 28.8 6.8	244	4/20/2014	SAO_81292	Boyajian/von Braun	2014A-C2#P	CLASSIC	OBJ	56767.22342	Н	E1/W1	300.4	0	0	28.7	6.7
247 4/20/2014 HD_89307 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.24728 H E1/W1 278.55 0 0 26 6.1 248 4/20/2014 HD_87776 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.25761 H E1/W1 266.97 0 0 28.8 6.8	245	4/20/2014	HD_87776	Boyajian/von Braun	2014A-C2#P	CLASSIC	OBJ	56767.23073	Н	E1/W1	287.3	0	0	25.9	6.1
248 4/20/2014 HD_87776 Boyajjan/von Braun 2014A-C2#P CLASSIC OBJ 56767.25761 H E1/W1 266.97 0 0 28.8 6.8	246	4/20/2014	SAO_81292	Boyajian/von Braun	2014A-C2#P	CLASSIC	OBJ	56767.23877	Н	E1/W1	291.96	0	0	28.3	6.6
	247	4/20/2014	HD 89307	Boyajian/von Braun	2014A-C2#P	CLASSIC	OBJ	56767.24728	Н	E1/W1	278.55	0	0	26	6.1
	248	4/20/2014	HD_87776	Boyajian/von Braun	2014A-C2#P	CLASSIC	OBJ	56767.25761	Н	E1/W1	266.97	0	0	28.8	6.8
249 4/20/2014 HD_96418 Boyajian/von Braun 2014A-C2#P CLASSIC OBJ 56767.27837 H E1/W1 292.86 0 0 27.2 6.4	249		_	Boyajian/von Braun	2014A-C2#P	CLASSIC	OBJ			E1/W1	292.86	0	0	27.2	6.4
H 4 > H 2014 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 Sheet2 2	14 4	▶ H 2014	2013 / 2012 / 2011 / 20	10 / 2009 / 2008 /	2007 / 2006 / 2	2005 / 2004	Sheet2	(*)							[] ∢ [













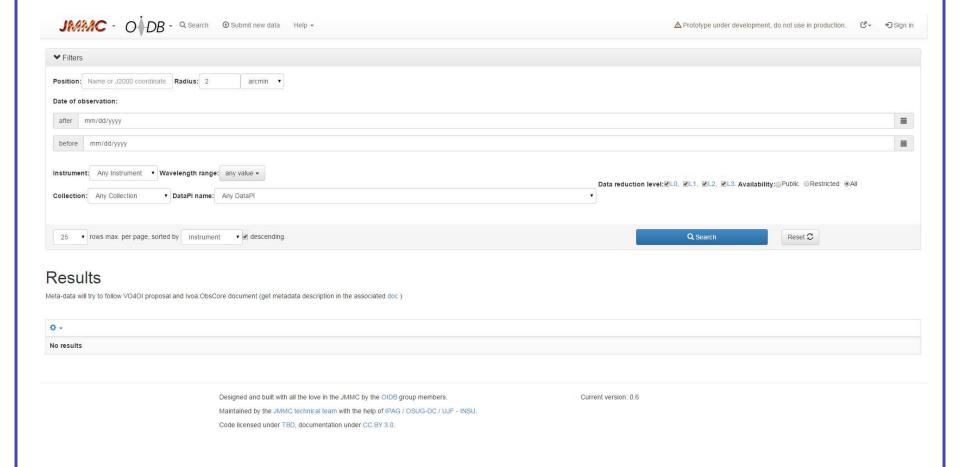








Sample page from JMMC























Sample page from JMMC

٥.	HD_22819	- 🖴	2014-12-23T08:31:12	CLIMB	1.96000000	2.31000000	(O)	Kloppenborg
0 -	HD_22468	- 🖴	2014-12-23T08:15:21	CLIMB	1.96000000	2.31000000	14:	Kloppenborg
0 -	HD_22918	- 🖴	2014-12-23T07:58:04	CLIMB	1.96000000	2.31000000	e:	Kloppenborg
۰ ۵	HD_22468	- 🖴	2014-12-23T07:46:33	CLIMB	1.96000000	2.31000000	27	Kloppenborg
0 -	HD_22819	- 🖺	2014-12-23T07:29:16	CLIMB	1.96000000	2.31000000	(e)	Kloppenborg
* -	HD_41330	- 🖴	2014-12-23T06:50:24	CLIMB	1.96000000	2.31000000	91	Kloppenborg
0 -	HD_40312	- 🖴	2014-12-23T06:33:07	CLIMB	1.96000000	2.31000000	21	Kloppenborg
٥-	HD_43644	- 🖺	2014-12-23T06:14:24	CLIMB	1.96000000	2.31000000	· :	Kloppenborg
0 -	HD_40312	- 🖴	2014-12-23T06:11:31	CLIMB	1.96000000	2.31000000	(2,)	Kloppenborg
0 -	HD_41330	- 🖴	2014-12-23T05:48:28	CLIMB	1.96000000	2.31000000	No.	Kloppenborg
٥-	HD_20791	- 🖴	2014-12-23T05:26:52	CLIMB	1.96000000	2.31000000		Kloppenborg
O -	HD_20630	- 🖴	2014-12-23T05:09:35	CLIMB	1.96000000	2.31000000	(a)	Kloppenborg
٥-	HD_20699	- 🖴	2014-12-23T04:58:04	CLIMB	1.96000000	2.31000000	· 1	Kloppenborg
0 -	HD_20630	- a	2014-12-23T04:40:47	CLIMB	1.96000000	2.31000000	(a)	Kloppenborg
٥-	HD_20791	- 🖴	2014-12-23T04:24:57	CLIMB	1.96000000	2.31000000	21	Kloppenborg
٥-	HD_71433	- A	2014-12-22T12:50:24	CLIMB	1.96000000	2.31000000	S= 1	Kloppenborg
٥.	HD_71374	- 🖀	2014-12-22T12:11:31	CLIMB	1.96000000	2.31000000	(5,1	Kloppenborg
0 -	HD_71782	- 🖴	2014-12-22T11:45:35	CLIMB	1.96000000	2.31000000	*:	Kloppenborg
٥-	HD_71374	- 🖴	2014-12-22T11:16:48	CLIMB	1.96000000	2.31000000	*:	Kloppenborg
٥-	HD_71433	- <u>-</u>	2014-12-22T10:40:47	CLIMB	1.96000000	2.31000000	27	Kloppenborg
0 -	HD_85795	- 🖺	2014-12-09T13:40:47	CLASSIC	1.96000000	2.31000000	(#1	Jones
O -	HD_84999	- -	2014-12-09T13:29:16	CLASSIC	1.96000000	2.31000000	@ J	Jones
o -	HD_85795	- 🖺	2014-12-09T13:26:23	CLASSIC	1.96000000	2.31000000	91	Jones
O -	HD_84999	- 🖀	2014-12-09T13:19:12	CLASSIC	1.96000000	2.31000000	(8)	Jones
٥-	HD_85795	- 🖀	2014-12-09T13:12:00	CLASSIC	1.96000000	2.31000000		Jones





















Things still to do

- Include PAVO data
- Automatic uploading
- PI email addresses
- Proposal abstracts

- New Format for Observing Proposal Numbers
 - ex. 2015A-M3, 2015B-CL4/P#, 2015A-NOAO1





















2015A Schedule

Statistics:

- 153 nights available
- Optimum time requested:
 237.5 nights
 - 55.2% oversubscribed
- Minimum time requested:
 169.75 nights
 - 10.9% oversubscribed

Beam Combiner	Time Requested (Opt(Min))	Assigned	% of total available	# of programs
Classic	23(16)	16	10.5%	5 1 NOAO, 2 C/P, 1 C/CL, 1 C/P/V
CLIMB	13(11)	11	7.2%	4 2 CL/P, 1 C/CL, 1 C/M
JouFLU	21(16)	19	12.4%	3 Aloha 2 J
MIRC	63(44)	41.5	26.5%	9 1 M/CL, 8 M
PAVO	61(42)	41	26.8%	9 2 P/C, 2 P/CL 1 P/C/V
VEGA	56(44)	34	22.2%	11 1 V/P/C, 1 NOAO





















2015A Schedule

CHARA Array 2015 Observing Schedule

	Sunday Monday Tuesday							Wednesday Thursday			Friday				Saturday						
		Juliu	шу		WOTO	ч	т	ruesu	ч		2015A-P3	SIVIV2	L	2015A-P3			2015A-P7			2015A-P7	\$1 \ 1\2
				ΙI			1			1			2			3			4		
	5	2015A-P7	SIVIV2	6	2015A-C2	\$1E2, \$2E1	7	2015A-V1	ALL	8	2015A-V1	ALL	9	2015A-V1	ALL	10	2015A-V1	ALL	11	2015A-V1	ALL
April	12	2015A-V1	ALL	13	2015A-V1	ALL	14	2015A-V1	ALL	15	2015A-M1	ALL	16	2015A-M1	ALL	17	2015A-M1	ALL	18	2015A-M1	ALL
,	19	2015A-J1	\$1\$2	20	2015A-J1	\$1\$2	21	2015A-J1	\$1\$2	22	2015A-J1	\$1\$2	23	2015A-P6	S1¥1E1	24	2015A-P6	S1E1¥1	25	2015A-P6	\$1E1¥1
	26	2015A-P1	E1E2W2	27	2015A-P1	E1E2W2	28	2015A-P1	E1E2W2	29	2015A-J3	\$1\$2	30	2015A-J3	\$1\$2	1	2015A-J3	\$1\$2	2	2015A-C1	>300m
	3	2015A-C1	>300m	4	2015A-C1	>300m	5	2015A-C1	>300m	6	2015A-P5	~250m	7	2015A-P5	~250m	8	2015A-P5	″250m	9	2015A-P8	ANY SWE triangle
	10	2015A-P8	ANY SWE triangle	11	2015A-P8	ANY SWE triangle	12	2015A-P8	ANY SWE triangle	13	2015A-CL1	\$1\(\mathbb{A}\)1E1	14	2015A-CL1	\$1¥1E1 \$2¥2E2	15	2015A-CL1	\$1\(\forall 1E1\) \$2\(\forall 2E2\)	16	2015A-CL3	SIWIE1
May	17	2015A-CL3	S1¥1E1	18	2015A-CL2	S1W1E1	19	2015A-CL2	S1¥1E1	20	2015A-P2	E1E2¥2	21	2015A-P2	E1E2W2	22	2015A-P2	E1E2W2	23	2015A-M7	ALL
	24	2015A-M7	ALL	25	2015A-M3	ALL	26	2015A-M3	ALL	27	2015A-J3	\$1\$2	28	2015A-J3	\$1\$2	29	2015A-¥2	ALL	30	2015A-¥2	ALL
	31	2015A-V2	ALL	1	2015A-V2	ALL	2	2015A-¥2	ALL	3	2015A-¥2	ALL	4	2015A-V2	ALL	5	2015A-V2	ALL	6	2015A-CL2	SIW1E1
	7	2015A-CL2	S1¥1E1	8	NOA01 2015A-CL4	ALL SIW1E1	9	NOA01 2015A-CL4	ALL S1¥1E1	10	NOA01 2015A-CL4	ALL S1¥1E1	11	NOAO1 2015A-CL4	ALL SIVIEI	12	2015A-P4	ANY SWE	13	2015A-P4	ANY SWE triangle
ne	14	2015A-J2	\$1\$2	15	2015A-J2	\$1\$2	16	2015A-J2	\$1\$2	17	2015A-J3	\$1\$2	18	2015A-J3	\$1\$2	19	2015A-J3	\$1\$2	20	2015A-M9	ALL
June	21	2015A-M9	ALL	22	2015A-M8	ALL	23	2015A-M8	ALL	24	2015A-M8	ALL	25	2015A-M8	ALL	26	2015A-M8	ALL	27	2015A-M8	ALL
	28	2015A-M8	ALL	29	2015A-C3	S1W1E1	30	2015A-C3	S1¥1E1	1	2015A-M2	ALL	2	2015A-M2	ALL	3	2015A-M2	ALL	4	2015A-M2	ALL
	5	2015A-V3	ALL	6	2015A-V3	ALL	7	2015A-¥3	ALL	8	2015A-V3	ALL	9	2015A-V3	ALL	10	2015A-¥3	ALL	11	2015A-¥3	ALL
4	12	2015A-V3	ALL	13	2015A-V3	ALL	14	2015A-¥3	ALL	15	2015A-M7	ALL	16	2015A-P6	S1¥1E1	17	2015A-P6	\$1₩1E1	18	2015A-P6	S1W1E1
July	19	2015A-P6	S1W1E1	20	2015A-M7	ALL	21	2015A-M6	ALL	22	2015A-M6	ALL	23	2015A-M6	ALL	24	2015A-M4	ALL	25	2015A-M7	ALL
	26	2015A-P1	E1E2W2	27	2015A-P1 2015A-C4	\$1\$2¥2 E1¥1	28	2015A-P1 2015A-C4	\$1\$2 \ 2	29	2015A-M7 2015A-M4	ALL	30	2015A-M4	ALL	31	2015A-M4	ALL	1	2015A-M9 2015A-M4	ALL
	2	2015A-M9 2015A-M7	ALL	3	2015A-P7	\$1E2	4	2015A-P7	\$1E2	5	2015A-P7	\$1E2	6	2015A-C2	\$2 V 1 V 2	7	2015A-C2	\$2 V1V 2	8	2015A-P6	S1V1E1
st	9	2015A-P6	S1¥1E1	10	2015A-P8	ANY SVE triangle	11	2105A-P8 2015A-C1	\$2¥2E2 \$1E1	12	2015A-J2 2015A-C1	\$1\$2 ₩1E1	13	2015A-J2 2015A-P5	\$1\$2 ¥1E2	14	2015A-J2 2015A-P5	\$1\$2 \\mathbf{V}1E2	15	2015A-C3 2015A-P9	ALL
August	16	2015A-C3 2015A-P9	ALL	17	2015A-M5	ALL	18	2015A-M5	ALL	19	2015A-M5	ALL	20	2015A-M5	ALL	21	2015A-M5	ALL	22	2015A-M5	ALL
A	23	2015A-M5	ALL	24	2015A-V4	ALL	25	2015A-V4	ALL	26	2015A-V4	ALL	27	2015A-V4	ALL	28	2015A-V4	ALL	29	2015A-V4	ALL
	30	2015A-V4	ALL	31	2015A-V4	ALL	1													Chris	Olli
																				Nic	



















Olli's (Tenative) Schedule

April 2-3	P3, P7	Quinn, Huber	June 16-17	J2, J3	Mennesson, Scott
April 7-8	V1	Mourard. Nardetto	June 25-26	M8	Monnier
April 16-17	M1	Aufdenberg	June 30-July 1	C3, M2	Von Braun, Chiavassa
April 21-22	J1	Reynaud	July 9-10	V3	Mourard. Nardetto
April 30-May 1	J3	Scott	July 14-15	V3, M7	Mourard. Nardetto
May 5-6	C1, P5	Boyajian/von Braun	July 23-24	M6, M4	Roettenbacher, Kervella
May 14-15	CL1	Gordon	July 28-29	P1/C4, M7/M4	Ireland, R. White, Schaefer, Kervella
May 19-20	CL2, P2	Jones, Huber	Aug 6-7	C2	Von Braun
May 28-29	J3. V2	Mourard. Nardetto	Aug 11-12	P8/C1, J2/ C1	Jones, Boyajian, Mennesson
June 2-3	V2	Mourard. Nardetto	Aug 20-21	M5	Norris
June 11-12	NOAO1, CL4, P4	Kishimoto, Monnier, Schworer	Aug 25-26	V4	Mourard. Nardetto















