

CHARA Array 2020A Observing Proposal Summary

Program Number	PI	Co-I's	Title	Dates Assigned
CHARA Classic Programs				
C1	Anderson	Baron, Kishimoto	On-sky Adaptive Optics Testing on NGC4151	Mar 25-26(1/2), 27-29, 30(1/2), 31
C2/P6/NOAO4	Ellis	Boyajian, von Braun	Radii of late type-dwarf, exoplanet hosts, and exoplanet host candidates	Apr 17-20
C3/P7/NOAO11	Boyajian	vonBraun, Ellis	Diameters and Temperatures of Main Sequence FG stars	Apr 21-23
MIRC Programs				
M1	Abbott	Baron, Paladini, Monnier	MIRC Imaging of AGB stars	July 6(1/2), 7-8, 9(1/2), 10, 27-30 (1/2)
M3	Gardner	Monnier, LeBouquin, Ireland	MIRC-X Astrometry of substellar Companions in close binary systems	Mar 22, 23(1/2), 24, 25(1/2), Apr 8, 9 (1/2), 10-11, May 11-13, Jun 3, 5, 6-7 (1/2), Jul 11-13
M4	Gordon	Gies, Schaefer	Imaging zeta Oph with MIRC-X	June 25(1/2)
M5	Kraus	Monnier, LeBouquin, Davies, Kreplin, Setterholm, Labdon, Anigu, ten Brummelaar	The MIRC-X + MYSTIC Large Program on imaging time-variable structures in protoplanetary disks	May 26-27, 29-30, Jun 17(1/2), 18, 19 (1/2), 20-21, 23-24 Jul 3(1/2), 5, 6(1/2)
M6	Kraus	Zarilli, Monnier, LeBouquin, Davies, Anugu, Kreplin, Labdon	Resolving Stellar Orbits and Disk Alignments in Pre-Main Sequence Binary Systems	May 31-Jun 1(1/2), June 2, 16, Jul 4
M7	Labdon	Setterholm, Kraus, Monnier, LeBouquin, Anugu	Follow-up J-band observations of YSOs with MIRC-X	Apr 24-26
M8	Lester	Farrington, Gardner, Gies, Martinez, Monnier, Schaefer	Visual orbits of spectroscopic binaries	Mar 16-19(1/2), 20-21, Apr 29(1/2), May 1-2(1/2), May 3
M9	Martinez	Baron, Monnier, van Belle	Contemporaneous imaging of rapid rotators with CHARA/MIRC-X and NPOI/VISION	Mar 10-11(1/2), 13(1/2), 14-15, 16-18 (1/2), Apr 30(1/2), May 1-2(1/2), May 31-Jun 1(1/2), Jun 6-7(1/2)
M10	Martinod	Tuthill, Rattenbury, Schaefer, Lewis, White, Monnier	Imaging gravity: Microlensing at milli-arcsecond scales	TOO
M11	Norris	Abbott, Baron, Kravchenko, Martinez, Tessore, Chivassa, Lebre, Lopez-Ariste, Monnier, Montarges, Paladini, VanEck	Long-term monitoring of the short-term evolution of the surface of red supergiants	(May 28, June 4, 17, 25 all 1/2) July 31
M12	Schaefer	Farrington, Gies, Klement, Lester, Monnier	Masses of Massive O-star Binaries	Jun 11(1/2), 19(1/2)
M13	Setterholm	Monnier, LeBouquin, Kraus, Labdon, Anugu	Probing scattered light features in the inner AU of protoplanetary disks: MIRC-X Polarinterferometry	June 26-28
M14/ENG	Monnier	LeBouquin, Kraus, ten Brummelaar, Anugu, Lanthermann, Setterholm, Gardner, Labdon	MYSTIC Engineering and integration	May 16-20
M15/ENG	ten Brummelaar	Sturmman, J. L., Turner, Farrington, Anderson	AO Engineering	First half of every Thursday except: Apr 23, May 21, Jun 18, 25, Jul 16, 23, 30
M16/V5	Klement	Carciofi, Labadie-Bartz, Monnier, Mourard, Rivinius, Schaefer, Gies	The missing link to understanding the star-disk connection in Be stars: Imaging the initial phases of new disk formation	TOO
M17/NOAO1	Richardson	Moffat, Williams, Shenar, St. Louis	Weighing Evolved Massive Stars in Binary systems with Interferometry	May 15, Jun 22
M18/NOAO2	Evans	Gallenne, Kervella, Merand, Bond	The Dynamical Mass of Polaris, the Nearest Cepheid: The Periastron Campaign	Apr 27
M19/P5/NOAO3	Greenbaum	Nielsen, De Rosa, Wang, Konopacky, Ward-Duong	Orbits of Moving Group Binaries at Small Angular Separations with CHARA	Apr 12-13
M20/NOAO5	Gallenne	Kervella, Merand, Evans, Proffitt	Multiplicity of Galactic Cepheids from long-baseline interferometry	June 29-July 1, July 2-3(1/2)
M21/NOAO7	Aydi	Chomiuk, Richardson, Sokolovski, Kawash, Mukai, Sokolovsky, Linford	Imaging the Evolution and Expansion of Nova Ejecta	TOO
M22/NOAO8	Sivervd	Stassun, Stevens, Lund	Mass and radius determination of a bright eclipsing giant system with CHARA	Apr 29(1/2), May 14(1/2)
M23/NOAO9	Anugu	Kluska, LeBouquin, VanWickel, Kamath, Min	Imaging binary-disk interactions in second generation protoplanetary disks	Mar 9, Mar 11-13 (1/2), July 27-30(1/2)
M24/P8/NOAO10	Sandquist		Precise ages from masses - Bright resolved binaries in Praesepe and Coma Ber Clusters	Mar 1, 10(1/2), 23(1/2), 30(1/2)
PAVO Programs				
P1	Gordon	Gies, Schaefer	Angular sizes of supergiant B stars	Jul 25-26
P2	Jones	Martens, White, Egeland, Baron, Monnier, Roettenbacher	Radii of Solar Analogues	Mar 27-28, May 8(1/2), 9-10
P3	Rains	Ireland, White, Zerjal, Casagrande, Huber	Accurate diameters of M-dwarfs with PAVO	May 4-6, 7(1/2), May 8(1/2)
P4/V6	White	Huber, Creevy, Boyajian, Ireland, Tuthill, Bedding, Murphy, Stello, Silva Aguirre, Nardetto, Mourard	Angular diameters of oscillating solar-type stars observed by TESS	July 21-24
P5/M19/NOAO3	Greenbaum	Nielsen, De Rosa, Wang, Konopacky, Ward-Duong	Orbits of Moving Group Binaries at Small Angular Separations with CHARA	Apr 14-15, 16(1/2)
P6/C2/NOAO4	Ellis	Boyajian, von Braun	Radii of late type-dwarf, exoplanet hosts, and exoplanet host candidates	Same as C2
P7/C3/NOAO11	Boyajian	vonBraun, Ellis	Diameters and Temperatures of Main Sequence FG stars	Same as C3
P8/M24/NOAO10	Sandquist		Precise ages from masses - Bright resolved binaries in Praesepe and Coma Ber Clusters	Apr 28
VEGA Programs				
V70	Klement	Carciofi, Rivinius	3D structure of the winds of BA supergiants	V1: Mar 2-4, 5(1/2), 6-8
V72	Klement	Meilland, Milloud, Mourard, Saldanha, Soulain	Imaging the disk of the classical Be star Beta CMI across Ha	V2: Apr 1, 2(1/2), 3-7
V38	Salsi	Nardetto, Mourard, Domiciano, Creevy, Graczyk, Pietrzynski	Calibration of the surface brightness-colour relation of OBA early type stars: Toward a very accurate distance determination of M31 and M33 eclipsing binaries	V3: May 21-25
SPICA	Mourard	Anugu, Berio, Dejonghe, LeBouquin, Lecron, Monnier, Rousseau	SPICA Integration	V4: Jun 8-10, 12-15
V75/M16	Klement	Carciofi, Labadie-Bartz, Monnier, Mourard, Rivinius, Schaefer, Gies	The missing link to understanding the star-disk connection in Be stars: Imaging the initial phases of new disk formation	V5: Jul 14-20
V67/P4	White	Huber, Creevy, Boyajian, Ireland, Tuthill, Bedding, Murphy, Stello, Silva Aguirre, Nardetto, Mourard	Angular diameters of oscillating solar-type stars observed by TESS	
V01/NOAO6	Ligi	Borsa, Poretti, Ranier	VEGA/CHARA Follow-up of TESS transiting exoplanet host stars	
Telescope downtime				

CHARA Array 2020A Observing Schedule

		Sunday		Monday		Tuesday		Wednesday		Thursday		Friday		Saturday							
March	1	M24/NOAO10	ALL	2	V1 V1	ALL ALL	3	V1 V1	ALL ALL	4	V1 V1	ALL ALL	5	M15/ENG V1	ALL ALL	6	V1 V1	ALL ALL	7	V1 V1	ALL ALL
	8	V1 V1	ALL ALL	9	M23/NOAO9 M23/NOAO9	ALL ALL	10	M24/NOAO10 M9	ALL ALL	11	M23/NOAO9 M9	ALL ALL	12	M15/ENG M23/NOAO9	ALL ALL	13	M23/NOAO9 M9	ALL ALL	14	M9 M9	ALL ALL
	15	M9 M9	ALL ALL	16	M9 M8	ALL ALL	17	M9 M8	ALL ALL	18	M9 M8	ALL ALL	19	M15/ENG M8	ALL ALL	20	M8 M8	ALL ALL	21	M8 M8	ALL ALL
	22	M3 M3	ALL ALL	23	M24/NOAO10 M3	ALL ALL	24	M3 M3	ALL ALL	25	M3 C1	ALL ALL	26	M15/ENG C1	ALL ALL	27	P2/C1 P2/C1	ALL ALL	28	P2/C1 P2/C1	ALL ALL
	29	C1 C1	ALL ALL	30	M24/NOAO10 C1	ALL ALL	31	C1 C1	ALL ALL	1	V2 V2	ALL ALL	2	M15/ENG V2	ALL ALL	3	V2 V2	ALL ALL	4	V2 V2	ALL ALL
April	5	V2 V2	ALL ALL	6	V2 V2	ALL ALL	7	V2 V2	ALL ALL	8	M3 M3	ALL ALL	9	M15/ENG M3	ALL ALL	10	M3 M3	ALL ALL	11	M3 M3	ALL ALL
	12	M19/NOAO3 M19/NOAO3	ALL ALL	13	M19/NOAO3 M19/NOAO3	ALL ALL	14	P5/NOAO3 P5/NOAO3	ALL ALL	15	P5/NOAO3 P5/NOAO3	ALL ALL	16	M15/ENG P5/NOAO3	ALL ALL	17	P6/C2/NOAO4 P6/C2/NOAO4	ALL ALL	18	P6/C2/NOAO4 P6/C2/NOAO4	ALL ALL
	19	C2/P6/NOAO4 C2/P6/NOAO4	ALL ALL	20	C2/P6/NOAO4 C2/P6/NOAO4	ALL ALL	21	C3/P7/NOAO11 C3/P7/NOAO11	ALL ALL	22	C3/P7/NOAO11 C3/P7/NOAO11	ALL ALL	23	C3/P7/NOAO11 C3/P7/NOAO11	ALL ALL	24	M7 M7	ALL ALL	25	M7 M7	ALL ALL
	26	M7 M7	ALL ALL	27	M18/NOAO2 M18/NOAO2	ALL ALL	28	P8/NOAO10 P8/NOAO10	ALL ALL	29	M8 M22/NOAO8	ALL ALL	30	M15/ENG M9	ALL ALL	1	M8 M9	ALL ALL	2	M8 M9	ALL ALL
May	3	M8 M8	ALL ALL	4	P3 P3	W1W2E2S2 W1W2E2S2	5	P3 P3	W1W2E2S2 W1W2E2S2	6	P3 P3	W1W2E2S2 W1W2E2S2	7	M15/ENG P3	ALL W1W2E2S2	8	P3 P2	W1W2E2S2 ALL	9	P2 P2	ALL ALL
	10	P2 P2	ALL ALL	11	M3 M3	ALL ALL	12	M3 M3	ALL ALL	13	M3 M3	ALL ALL	14	M15/ENG M22/NOAO8	ALL ALL	15	M17/NOAO1 M17/NOAO1	ALL ALL	16	M14/ENG M14/ENG	ALL ALL
	17	M14/ENG M14/ENG	ALL ALL	18	M14/ENG M14/ENG	ALL ALL	19	M14/ENG M14/ENG	ALL ALL	20	M14/ENG M14/ENG	ALL ALL	21	V3 V3	ALL ALL	22	V3 V3	ALL ALL	23	V3 V3	ALL ALL
	24	V3 V3	ALL ALL	25	V3 V3	ALL ALL	26	M5 M5	ALL ALL	27	M5 M5	ALL ALL	28	M15/ENG M11	ALL ALL	29	M5 M5	ALL ALL	30	M5 M5	ALL ALL
	31	M6 M9	ALL ALL	1	M6 M9	ALL ALL	2	M6 M6	ALL ALL	3	M3 M3	ALL ALL	4	M15/ENG M11	ALL ALL	5	M3 M3	ALL ALL	6	M3 M9	ALL ALL
	June	7	M3 M9	ALL ALL	8	V4 V4	ALL ALL	9	V4 V4	ALL ALL	10	V4 V4	ALL ALL	11	M15/ENG M12	ALL ALL	12	V4 V4	ALL ALL	13	V4 V4
14		V4 V4	ALL ALL	15	V4 V4	ALL ALL	16	M6 M6	ALL ALL	17	M5 M11	ALL ALL	18	M5 M5	ALL ALL	19	M5 M12	ALL ALL	20	M5 M5	ALL ALL
21		M5 M5	ALL ALL	22	M17/NOAO1 M17/NOAO1	ALL ALL	23	M5 M5	ALL ALL	24	M5 M5	ALL ALL	25	M4 M11	ALL ALL	26	M13 M13	ALL ALL	27	M13 M13	ALL ALL
28		M13 M13	ALL ALL	29	M20/NOAO5 M20/NOAO5	ALL ALL	30	M20/NOAO5 M20/NOAO5	ALL ALL	1	M20/NOAO5 M20/NOAO5	ALL ALL	2	M15/ENG M20/NOAO5	ALL ALL	3	M20/NOAO5 M5	ALL ALL	4	M6 M6	ALL ALL
July	5	M5 M5	ALL ALL	6	M1 M5	ALL ALL	7	M1 M1	ALL ALL	8	M1 M1	ALL ALL	9	M15/ENG M1	ALL ALL	10	M1 M1	ALL ALL	11	M3 M3	ALL ALL
	12	M3 M3	ALL ALL	13	M3 M3	ALL ALL	14	V5 V5	ALL but S2 ALL but S2	15	V5 V5	ALL but S2 ALL but S2	16	V5 V5	ALL but S2 ALL but S2	17	V5 V5	ALL but S2 ALL but S2	18	V5 V5	ALL but S2 ALL but S2
	19	V5 V5	ALL but S2 ALL but S2	20	V5 V5	ALL but S2 ALL but S2	21	P4 P4	E1E2W1W2 E1E2W1W2	22	P4 P4	E1E2W1W2 E1E2W1W2	23	P4 P4	E1E2W1W2 E1E2W1W2	24	P4 P4	E1E2W1W2 E1E2W1W2	25	P1 P1	STE1 STE1
	26	P1 P1	STE1 STE1	27	M23/NOAO9 M1	ALL ALL	28	M23/NOAO9 M1	ALL ALL	29	M23/NOAO9 M1	ALL ALL	30	M23/NOAO9 M1	ALL ALL	31	M11 M11	ALL ALL			S2 Recoating Engineering