

CHARA Array 2022A Observing Proposal Summary

Program Number	PI	Co-I's	Title	Dates Assigned
CHARA Classic Programs				
C1/M19	Flores	White, Schaefer, Farrington	Stellar Radii of Stars with Dynamically Determined Masses	Apr 12-13, May 8-11(2nd half)
C2/M20/P4	Flores	White, Schaefer, Farrington	Angular Diameter Standards with CHARA	Apr 10-11
C3/P5/NOIR2	Ellis	Boyajian, von Braun	Radii of late type-dwarf, exoplanet hosts, and exoplanet host candidates	Apr 14(2nd half), 15-17, 18 (1st half)
C4/P6/NOIR1	Boyajian	vonBraun, Ellis	Diameters and Temperatures of Main Sequence FG stars	Apr 18 (2nd half), 19-20, 21 (2nd half)
C5/NOIR5	Kishimoto	Millour, Antonucci, Tristram, Weigelt, Hoenig	AGN Torus: Dissecting the dusty wind launching region	Mar 14, Mar 15-16(1st half), 18(1st half), May 7-11 (1st half)
MIRC-X / MYSTIC Programs				
M1	Anugu	Schaefer, Monnier, Kraus, Kluska	Imaging disk-binary interactions with MIRC-X and MYSTIC	June 6-8
M2	Anugu	Kraus, Monnier, Miller	Resolving jet emission in the prototypical high mass X-ray binary Cygnus X-1	July 3-4 (2nd half)
M3	Anugu	Klement, Monnier, Kraus, Schaefer	Very High resolution spectro-interferometry with MIRC-X and MYSTIC	July 19-20, 21 (2nd half)
M4	DeFurio	Monnier, Meyer, Gardner	A Fundamental test of Star Formation Theory: Exploring A-star Multiples and small separations	May 5(2nd half), 6, 7(2nd half), July 29, 31
M5	Hansen	Ireland, Monnier	Inferring the density distribution of Mira variables through spatially resolved vibrational CO lines	July 12-13
M6	Klement	Gies, Schaefer, Wysocki, Monnier, Anugu, Baade, Rivinius	A MIRC-X survey: are all classical Be stars close binaries	May 25, June 1, June 14, July 2, 16
M7	Klement	Krticka	Towards the first detection of spots on a chemically peculiar star	Apr 6
M8	Kraus	Codron, Davies, Monnier, Setterholm, Ibrahim, Labdon, Anugu, ten Brummelaar, Le Bouquin	The MIRC-X + MYSTIC Large Program on imaging time-variable structures in Herbig Ae/Be disks	May 15(2nd half), 16-18, 19(2nd half), 20, June 15, 17-19
M9	Kraus	Monnier, Lu, Davies, Anugu, Schaefer	Resolving stellar orbits and disk alignments in pre-main-sequence binary systems	May 13 (2nd half), 14, 15 (1st half), June 25-26
M10	Lanthermann	Sana, Le Bouquin, Schaefer, Gies, Gosset, Bordier, Frost, Mahy, De Becker, Absil, Reggiani	Northern Massive Stars at High Angular Resolution	June 29, 30(2nd half), July 1
M11	Lanthermann	Mahy, Richardson	3D orbits of Northern Galactic Luminous Blue Variable stars	July 3-4 (1st half)
M12	Martinez	Baron, Monnier, van Belle	Contemporaneous Imaging of Rapid Rotators with CHARA's MIRC-X + MYSTIC and NPOI's Classic	June 4-5
M13	Monnier	Gardner, Raucher, Beltz	Simultaneous MIRC-X and MYSTIC observations of hot Jupiter tau Boo b	Apr 1-4
M15	Monnier	Ibrahim, Kraus, Le Bouquin, Baron, Setterholm, Anugu, Harries, Davies, Labdon, MIRC/MYSTIC Team	CHARA Imaging Survey of T Tauri Stars	May 21-24
M16	Roettenbacher	Cabot, Korhonen	Accounting for Stellar Activity with Interferometric Images of 61 Cyg A and B	July 28
M17	Schaefer	Prato, Simon	Dynamical Masses of Pre-Main Sequence Stars	Apr 7-8 (2nd half)
M18	Shepard	Gies, Schaefer	Circumbinary Disks around Massive Interacting Binary Stars	July 22-24
M19/C1	Flores	White, Schaefer, Farrington	Stellar Radii of Stars with Dynamically Determined Masses	May 31
M20/C2/P4	Flores	White, Schaefer, Farrington	Angular Diameter Standards with CHARA	May 12 (2nd half), 13 (1st half)
M21/NOIR3	Richardson	Moffat, St-Louis, Hill, Sander, Eldrige, Chene, Thomas	Dynamical masses for Wolf-Rayet stars	July 18
M22/NOIR4	Roettenbacher	Cabot, Korhonen	Accounting for Stellar Activity with Interferometric Images of 61 Cyg A and B	July 26, July 30
M23/NOIR6	Labadie-Bartz	Carciofi, Baade, Henrique de Amorim, Rubio, Richardson	The missing link to understand the star-disk connection in Be stars: Imaging the initial phases of new disk formation	TOO
M24/NOIR7	Shultz	Alecian, Sikora	How Lonely Are They? A Volume-Limited Multiplicity Survey of Magnetic Ap Stars	Mar 3 (2nd half), 4, 5-6 (2nd half), Apr 9, June 2(2nd half), 3
M25/NOIR8	Mobeen/Kaminski		Resolving the merger remnant in V838 Mon	Mar 1-2, 8, 19-20 (all 1st half)
M26/NOIR9	Gaudin	Norris	Investigating Mass Transfer in Symbiotic Stars	Mar 1-2, 8, 19-20 (all 2nd half) July 14 (2nd half), 15
M27/NOIR10	Frost	Shenar, Bodensteiner, Sana, Marchant	Investigating the origin of Be stars and the elusive massive helium stars	Mar 5-6(1st half), 7, June 27-28
M28/NOIR11	Labdon		Spatially Resolving the Inner Disk of FU Ori stars	Jun 16(2nd half), July 17
M29/NOIR12	Sandquist		Radii for Giants and Dwarfs and the Age of Coma Ber	Mar 15-18 (2nd half), Apr 5, 8(1st half)
PAVO Programs				
P1	Ireland	Karovicova, White	Interferometric observations of stars for calibrating large stellar surveys of the Milky Way	May 1-2, July 5-6
P2	Rains	Ireland, White, Zerjal, Casagrande, Huber	Accurate diameters of M-Dwarfs with PAVO	May 3-4
P3	White	Bedding, Murphy, Huber, Joyce, Ireland	Angular sizes and Oblateness of delta Scuti pulsators observed with TESS	Mar 12-13, Apr 27, 28(2nd half), 29
P4/M20/C2	Flores	White, Schaefer, Farrington	Angular Diameter Standards with CHARA	April 30
P5/C3/NOIR2	Ellis	Boyajian, von Braun	Radii of late type-dwarf, exoplanet hosts, and exoplanet host candidates	Apr 14(2nd half), 15-17, 18 (1st half)
P6/C4/NOIR1	Boyajian	von Braun, Ellis	Diameters and Temperatures of Main Sequence FG stars	Apr 18 (2nd half), 19-20, 21 (2nd half)
SPICA Programs				
S1	Mourard	Nardetto, Pannetier, SPICA Technical Team	CHARA/SPICA Science Verification	June 20-22, 23(2nd half), 24, July 7(2nd half), 8-11
Engineering Programs				
E1J	Scott	ten Brummelaar, Coude du Foresto, Pedretti, Thomson, Labadie, Maddhav, Roth, Pike, Sharma, Benoit, Dinkelaker, Navak	JouFLU Upgrades	July 25, 27(2nd half)
E2M	Le Bouquin	Monnier, Setterholm, Anugu, MYSTIC Team	MYSTIC ABCD-4T upgrade	February TBA
E3A	Reynaud	Grossard, Magri	ALOHA Fiber Engineering	Mar 21-23, 24(2nd half), 25-26, June 9(2nd half), 10-13
E4S	Mourard	Berio, SPICA Team	SPICA-VIS Install	Mar 9, 10(2nd half), 11, 27-30, 31 (2nd half), Apr 22-26, May 26 (2nd half), 27-30
E5AO	ten Brummelaar	CHARA AO	AO Engineering	First half of every Thursday

