

# CHARA Array 2024B Observing Proposal Summary

	PI	Co-Is	Title	Dates Assigned
<b>CHARA Classic Programs</b>				
C1/NOIR6	Kishimoto	Antonucci, Hoenig, Millour, Tristram, Weigelt	AGN torus: dissecting the dusty wind launching region	Nov 24-27, 29 (all 2nd half)
<b>Engineering Programs</b>				
E2CM	Ligon	Kohler, Kubiak	CMAE Engineering	Sep 3-4, Nov 21-23
E3DR	Scott	Woods, Castillo	S2 Drive Replacement	Aug 7-9
E4MI	Scott	Ligon, Farrington, Turner	Mirror Recoating (E1)	Nov 18-30
E5CH	Scott	Dinkelaker, Labadie, Madhav, Thomson, Anugu	CHARIOT Engineering	Oct 21-22
E6SL	Lanthermann	ten Brummelaar, Tuthill, Anugu, Ligon, Schaefer,	Silmaril Engineering	Aug 7-9, Nov 25-26
E7SP	Mourard	Schaefer, SPICA/CHARA	SPICA Engineering	Aug 13, Sep 10, Oct 9 (all 2nd half)
E8AO	Schaefer	CHARA	Weekly Engineering	Aug 13, 28, Sep 10, 27, Oct 2, 9, Nov 19 (all 1st half)
E9M	Monnier	Gutierrez, Kraus, Lancaster, Anugu, Mortimer, Chhabra, Ibrahim, Shuai	2024A extension (MIRC-X)	Aug 1-2
<b>MIRC Programs</b>				
M1	Anugu	Schaefer, Monnier, Kraus, Gies	Probing Second-Generation Planet Formation and Disk-Binary Interaction in Evolved Binary Stars	Sep 6, Oct 25-26 (1st half)
M2	Anugu	Gies, Schaefer	Unveiling the connection between mass loss, giant convection cells and pulsation cycles with the CHARA Imaging of Active Mass Loss Hypergiant Stars	Aug 4-5 (2nd half), Oct 19,
M3	Baron	Norris, Montargès, Anugu	The evolving granulated surface of CE Tau	Oct 5, Nov 30 (both 2nd half), Dec 10 (1st half)
M4	Flores	White, Schaefer	Angular Diameters of Wide Binaries with Mass Information	Sep 1 (2nd half), 2-4, 5 (2nd half), 16 (2nd half), 17, 18 (2nd half), 26 (1st half)
M5	Gardner	Kraus, Lu	The MIRC-X Gaia Binary Survey	Sep 7, Nov 14 (2nd half), 18-20 (2nd half)
M6	Ibrahim	Monnier, Kraus, le Bouquin, Baron	CHARA Imaging of T Tauri Stars	Dec 5-9
M7	Kohler	Schaefer, Kubiak, Lanthermann	MIRC-X/MYSTIC observations of the famous triple system T Tauri after Periastron	Nov 15 (2nd half)
M8	Kraus	Codron, Paul, Monnier, Ibrahim, Anugu	The MIRC-X + MYSTIC Large Program on imaging time-variable structures in Herbig Ae/Be stars	Oct 2 (2nd half), 4 (1st half), 8, 18, 20, 24, 25, 26 (all 2nd half), 23, 27
M9	Lanthermann	Sana, Le Bouquin, Schaefer, Gies, Gosset, Bordier, Frost, Mahy, De Becker, Absil, Reggiani	Northern Massive Stars at High Angular Resolution	Sep 8-9
M10	Lanthermann	Mahy, Bordier, Fabry, Sana, Schaefer, Gies, LaFountain	O-Type Star's Orbit and Mass Determination	Oct 1, 3 (all 1st half)
M11	Lu	Kraus, Gardner	Calibrating asteroseismology scaling relations by CHARA Observation on GAIA Binaries	Aug 20-22
M12	Monnier	Gardner	Asterometric Monitoring for suspected short-period stellar companions and hidden long period planets in the ARMADA sample of A/B type binaries	Aug 29-31, Dec 18-19
M13	Schaefer	Farrington, Jones, White	Resolving the orbits of low mass companions in the Hyades cluster	Nov 16 (2nd half), 30 (1st half)
M14	Shepard	Gies, Schaefer	Circumbinary Disks around Massive Interacting Binary Stars	Aug 3,6,10,12,19,27 (all 1st half)
M15	Sweeny	Tuthill, Martinod, Schaefer, White, Monnier, Merand, Dong, Gould, ten Brummelaar, Krone-Martins, Scalzo, Farrington	Imaging Gravity: Microlensing at milli-arcsecond scales	TOO
M16	Tuthill	White, Pope, Monnier, Richardson, Anugu	Constraining the orbital inclination of WR104	Aug 4-5 (1st half)
M17/NOIR1/SPICA	Norris	Anugu, Aydi, Banerjee, Baron, Barstow, Caruso, Chomiuk, Creech-Eakman, Evans, Flores, Gaudin, Geballe, Kloppenborg, Lagadec, Linford, Meiland, Merand, Millour, Monnier, Munari, Nardetto, Proni, Roy, Sokoloski, Spang, Williams, Woodward	A high resolution look at the nearest recurrent nova, TCrB	TOO
M18/NOIR2	Sanghi	Echeverri, Mawet, Mennesson, Monnier, Wang, Xuan	Ensemble Validation of Gaia DR3 Non-Single-Star Orbital Solutions with Precise CHARA Astrometry in Preparation for Gaia DR4	Oct 4 (2nd half), 6-7
M19/NOIR4	Richardson	Chene, Corcoran, Hamaguchi, Lau, Mackey, Moffat, Pablo, Pollock, Pradhan, Russell, Thomas, Weigelt, Williams	The conditions of dust formation in carbon-rich Wolf-Rayet binaries: Imaging the onset of dust formation in the WR140 system with the CHARA Array	Oct 24, Nov 11, 13, 15, 18, 20, 24, 27, 29, Dec 1 (all 1st half)
M20/NOIR5	Labadie-bartz	Arcos, Baade, Carciolli, de Amorim, Neiner, Richardson, Rubio	The missing link to understand the star-disk connection in Be stars: Imaging the initial phases of new disk formation	TOO
M21/NOIR8	Baylis-Aguirre	Creech-Eakman, Norris, van Belle	The MIRC-X/MYSTIC Interferometrically Resolved Atmospheres (MIRA) Project: High Resolution Imaging of Evolved Star Atmospheres	Sep 1, 30, Oct 20, Nov 14,16 (all 1st half)
M22/NOIR9	Lester	Gies, Shepard	Visual Orbits of Long Period Spectroscopic Binaries	Aug 3,6,10,12,19,27 (all 2nd half)
M23/NOIR10	Labdon	Codron, Frost, Koumpia, Vioque	Resolving the inner-disks of a complete sample of planetforming disks	Sep 30, Oct 3 (both 2nd half), Nov 17 (1st half)
M24/NOIR11	Hom	Anche, Bailey, Biller, Brandner, Douglas, Girard, Greenbaum, Monnier, Roettenbacher, Schragal, Stapefeldt, Wolff	Vetting PSF Calibrators for the Roman-Coronagraph and Habitable Worlds Observatory	Sept 25, 26 (2nd half), Dec 20-22
M25/NOIR12	Lu	Gardner, Kraus	The Gaia binary survey on metal-poor/rich binaries: Precision masses, orbits and ages	Aug 11 (2nd half), Nov 17 (2nd half), Dec 17 (1st half)
M26/NOIR13	Merc	Boffin	Understanding mass transfer in long-period interacting binaries	Aug 11 (1st half), Oct 18 (1st half), Dec 1(2nd half)
M27/NOIR15	Brashear	Rau	MIRC-X/CHARA Snapshot Observations of the Carbon- Rich AGB star R Lep	Oct 1 (2nd half)
M28/NOIR16	Sandquist		Precise Ages from Masses --- Bright Resolved Binaries in Praesepe, the Pleiades, and the Psc-Eri Stream	Sep 5, 16, 18 (all 1st half), Dec 10, 17 (both 2nd half)
M29/NOIR17	Frothingham	Baylis-Aguirre, Creech-Eakman, Norris	High Resolution Imaging of High Mass-Loss Red Supergiants and Characterization of the Extend Atmospheres with MIRCx+MYSTIC	Aug 28 (2nd half), Oct 5, 8 (both 1st half)
M30	Shuai	Monnier, Ibrahim, Kraus, Harries, Setterholm	MIRC-X Polarimetry Commissioning: First science on a YSO disk and an AGB dust shell	Dec 2-4
<b>PAVO Programs</b>				
P1/S	Coumarbatch	Martens, Jones, Danchi, Airapetian	Determining ROSAs (Radii of Solar Analogs)	Oct 21-22
<b>SPICA Programs</b>				
SPICA	Mourard	The SPICA/ISSP Group	SPICA Block Schedule	Aug 14-18, Sep 11-15, Oct 10-14, Oct 30, Nov 1,3,5,7, Dec 11-15
S1/P	Coumarbatch	Martens, Jones, Danchi, Airapetian	Determining ROSAs (Radii of Solar Analogs)	Aug 23-24
S2	Jones	Schaefer, White	The Age of the Hyades	Nov 11-13
S3	Kane	White, Flores, Jones, Mourard, Domiciano, Ligi, Pratt	Testing 2D Convection Models with the Coolest Rapid Rotators	Oct 16-17
S4	Roettenbacher	Monnier, Korhonen	Obtaining a Multiwavelength Interferometric Image of the active star eps Eridani	Oct 29, 31, Nov 2,4,6,8,9
S5/NOIR3	Gardner	Kraus, Monnier	Direct Detection and Characterisation of Hot Jupiters with Long Baseline Interferometry	Sep 19-24
S6/NOIR7	Baillieu	Nardetto, Bras, Gallenne, Gieren, Hocde, Kervella, Merand, Monnier, Mourard, Pietrzynski	Unlocking the projection factor of Cepheids: interferometric survey of Cepheids	Aug 25-26, Sep 28-29, Oct 28, Nov 10, Dec 16
S7/NOIR14	Wang	Albrecht, Balmer, Blunt, Dholakia, Monnier, Pope	Measuring the 2-D Stellar Obliquity of the Lowest Mass Imaged Exoplanet	Sept 27 (2nd half)
S8	Mourard	Harmanec, Stencel	High Spectral and spatial resolution follow-up of the eps Aur eclipse	Oct 15

