

CHARA Array 2024A Observing Proposal Summary

Program Number	PI	Co-I's	Title	Dates Assigned
CHARA Classic Programs				
C1 C2/NOIR2	Flores Kishimoto	White, Schaefer, Farrington Antonucci, Hoenig, Millour, Tristram, Weigelt	Angular Diameters of Wide Binaries with Mass Information AGN torus: dissecting the dusty wind launching region	Mar 15-17 May 28, 30-31, June 1-2 (all 1st half)
MIRC-X / MYSTIC Programs				
M1	Anugu	Schaefer, Monnier, Kraus	Probing Second-Generation Planet Formation and Disk-Binary Interaction in Old Binary Stars	Mar 8-9, June 17, 20 (2nd half), 21 (2nd half)
M2	Flores	White, Schaefer, Farrington	Angular Diameters of Wide Binaries with Mass Information	Mar 10-12, 14, Apr 25 (2nd half), July 17, 18 (1st half), 19 (2nd half)
M3	Gardner	Kraus, Lu	The MIRC-X Gaia Binary Survey: Intermediate Stars	Apr 26-27, May 21-22
M4	Ibrahim	Monnier, Kraus, Codron	CHARA imaging Survey of T Tauri stars	May 2-5, May 23-26, June 23-26
M6	Kraus	Codron, Lancaster, Paul, Snaith, Chhabra, Monnier, Ibrahim	The MIRC-X + MYSTIC Large Program on imaging time-variable structures in Herbig Ae/Be disks	May 12, 14, 27, Jun 4-5, 14-15, 18-19
M7	Lanthermann	Sana, LeBouquin, Schaefer, Gies, Gosset, Bordier, Frost, Mahy, De Becker, Absil, Reqqiani	Northern Massive Stars at High Angular Resolution.	July 19 (1st half), 20 (2nd half), 22 (1st half), 24 (2nd half), 25
M8	Lanthermann	Mahy, Bordier, Fabry, Sana, Schaefer, Gies, LaFontaine	O-type star's orbit and mass determination	July 10-11
M9	Monnier	Gardner	Astrometric monitoring for long period planets in A/B-type binaries with MIRC-X	Mar 3, Apr 28, May 13, June 3
M10	Shuai	Monnier, Ibrahim, Kraus, Harries, Setterholm	MIRC-X Polarimetry Commissioning: First science on a YSO disk and an AGB dust shell.	July 12-15
M11	Sweeny	Tuthill, Martinod, Schaefer, White, Monnier, Merand, Dong, Gould, ten Brummelaar, Krone-Martins, Scatzo, Farrington	Imaging gravity: microlensing at milli-arcsecond scales	TOO
M12/NOIR1	Gallenne	Afanashev, Bailleul, Bras, Evans, Hocde, Merand, Monnier, Nardetto	Limb darkening and photospheric spots of the classical Cepheids Polaris and eta Aql	Apr 4-7, July 16, 20, 24 (1st half), 18, 22 (2nd half)
M15/NOIR5	Abdul-Masih	Frost, de Mink, Mahy, Toonen	Do tertiary companions affect the formation and evolution of massive overcontact binary systems?	June 28-30 (2nd half)
M16/NOIR6	Richardson	Chene, Eldridge, Hill, Moffat, Pradhan, Schemel, St-Louis, Thomas, Williams	Obtaining precise masses for Wolf-Rayet stars	June 16
M17/NOIR7	Lu	Gardner, Kraus	The Gaia binary survey on metal-poor/rich binaries: Precision masses, orbits, and ages	Mar 1-2, May 9-11
M19/NOIR10	Kaminski	Mobeen	Imaging the precessing lobes of VV Cephei with MIRCX/MYSTIC	July 1, 9, 21
M20/NOIR11	Merand	Anugu, Bastian, Miller, Monnier, Wyrzykowski	Is the closest black hole hiding in the Albireo stellar system?	June 20, 27, July 16, 23 (all 2nd half)
M21/NOIR12	Sandquist		Precise Ages from Stellar Masses - Bright Resolved Binaries in Praesepe, Hyades, and Coma Ber Clusters	2n Feb, Mar 13, Apr 3, 8
M22/NOIR13	Gardner	Kraus, Monnier, Shuai	Direct Detection and Characterisation of Hot Jupiters with Long Baseline Interferometry	Apr 9-14
TOO	Schaefer	Gies	Backup for TOO nights	June 20-22, 27-30 (all 1st half)
PAVO Programs				
P1	Coumarbatch	Martens, Jones, Danchi, Airapetian	Determining ROSAs (Radii of solar analogs)	Mar 15-17, Mar 29-31
SPICA Programs				
SPICA	Mourard	The SPICA Group	SPICA Block Schedule	Mar 19-21, 26-27 (1st half), 28, Apr 16-20, May 16-20, June 7-11, July 3-7
S1M	Baron	Aufdenberg	Imaging Spica with SPICA	Apr 21-24
S2M/NOIR8	Wang	Albrecht, Blunt, Monnier	Unlocking 2D Stellar Obliquities for Long Period Exoplanets	July 8 (2nd half)
S3M/NOIR9	Dholakia	Pope, Tuthill	Simultaneous imaging of the white-light spots on Alioth using interferometry and space based photometry	Mar 22-27 (2nd half)
S4M	Kane	White, Flores, Jones, Mourard, Domiciano, Ligi, Pratt	Testing 2D Convection Models with the Coolest Rapid Rotators	Mar 22-25 (1st half)
S5M/NOIR4	Frothingham	Norris, Baron, Baylis-Aguirre, Creech-Eakman, Montarges	Multiwavelength High Resolution Imaging of Red Supergiants with CHARA using SPICA and MIRCX+MYSTIC	June 12-13
S6M/NOIR3	Norris	Anugu, Aydi, Banerjee, Baron, Barstow, Caruso, Chomiuk, Creech-Eakman, Evans, Flores, Gaudin, Geballe, Kloppenborg, Lagarde,	A high resolution look at the nearest recurrent nova, TCrB	TOO
Engineering Programs				
E1M	Monnier	Gutierrez, Kraus, Lancaster, Anugu, Mortimer, Chhabra, Ibrahim, Shuai	MIRCX Engineering	July 30-31
E2SL	Lanthermann	ten Brummelaar, Tuthill, Gies, Schaefer, Ligon, Anderson, Anugu	Silmaril Engineering	Mar 4-7, May 28-June 2 (2nd half)
E3CM	Ligon	ten Brummelaar, Schaefer	CMAF Engineering	Apr 1-2, May 6-8, July 26-29
E4SP	Mourard	Berio, DeJonghe, Morand, Rousseau, Salabert	SPICA Engineering	Mar 18, Apr 15, May 15, June 6, July 2 (all 2nd half)
E5CH	Scott	Dinkelaker, Labadie, Madhav, Benoit, Thomson, ten Brummelaar, Anugu	CHARIOT Engineering	Apr 29-May 1
E6M	Scott	Ligon, Turner, Farrington	Mirror Recoating Engineering	TBD
E7AO	Schaefer	Ligon, Scott, Farrington, Anugu	Weekly Engineering	Mar 6, 18, Apr 15, 25, May 1, 8, 15, 29, June 6, July 2, 8, 23, 29 (all 1st half)

CHARA Array 2024A Observing Schedule

		Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
March							1 M17/NOIR7 ALL	2 M17/NOIR7 ALL
	3	M9 M9 ALL ALL	4 E2SL E2SL ALL ALL	5 E2SL E2SL ALL ALL	6 E2SL/E7A0 E2SL ALL ALL	7 E2SL E2SL ALL ALL	8 M1 M1 ALL ALL	9 M1 M1 ALL ALL
	10	M2 M2 ALL ALL	11 M2 M2 ALL ALL	12 M2 M2 ALL ALL	13 M21/NOIR12 M21/NOIR12 ALL ALL	14 M2 M2 ALL ALL	15 P1/C1 P1/C1 E2W2S2 - P1 E1W1S1 - C1	16 P1/C1 P1/C1 E2W2S2 - P1 E1W1S1 - C1
	17	P1/C1 P1/C1 E2W2S2 - P1 E1W1S1 - C1	18 E7A0 E4SP ALL ALL	19 SPICA SPICA ALL ALL	20 SPICA SPICA ALL ALL	21 SPICA SPICA ALL ALL	22 S4M S3/NOIR9 ALL ALL	23 S4M S3/NOIR9 ALL ALL
	24	S4M S3/NOIR9 ALL ALL	25 S4M S3/NOIR9 ALL ALL	26 SPICA S3/NOIR9 ALL ALL	27 SPICA S3/NOIR9 ALL ALL	28 SPICA S3/NOIR9 ALL ALL	29 P1 P1 W1W2 W1W2	30 P1 P1 W1W2 W1W2
	31	P1 P1 W1W2 W1W2	1 E3CM E3CM S1S2 S1S2	2 E3CM E3CM S1S2 S1S2	3 M21/NOIR12 M21/NOIR12 ALL ALL	4 M12/NOIR1 M12/NOIR1 ALL ALL	5 M12/NOIR1 M12/NOIR1 ALL ALL	6 M12/NOIR1 M12/NOIR1 ALL ALL
April	7	M12/NOIR1 M12/NOIR1 ALL ALL	8 M21/NOIR12 M21/NOIR12 ALL ALL	9 M22/NOIR13 M22/NOIR13 ALL ALL	10 M22/NOIR13 M22/NOIR13 ALL ALL	11 M22/NOIR13 M22/NOIR13 ALL ALL	12 M22/NOIR13 M22/NOIR13 ALL ALL	13 M22/NOIR13 M22/NOIR13 ALL ALL
	14	M22/NOIR13 M22/NOIR13 ALL ALL	15 E7A0 E4SP ALL ALL	16 SPICA SPICA ALL ALL	17 SPICA SPICA ALL ALL	18 SPICA SPICA ALL ALL	19 SPICA SPICA ALL ALL	20 SPICA SPICA ALL ALL
	21	S1M S1M ALL ALL	22 S1M S1M ALL ALL	23 S1M S1M ALL ALL	24 S1M S1M ALL ALL	25 E7A0 M2 ALL ALL	26 M3 M3 ALL ALL	27 M3 M3 ALL ALL
	28	M9 M9 ALL ALL	29 E5CH E5CH S1S2 S1S2	30 E5CH E5CH S1S2 S1S2	1 E5CH/E7A0 E5CH S1S2 S1S2	2 M4 M4 ALL ALL	3 M4 M4 ALL ALL	4 M4 M4 ALL ALL
May	5	M4 M4 ALL ALL	6 E3CM E3CM S1S2 S1S2	7 E3CM E3CM S1S2 S1S2	8 E3CM/E7A0 E3CM S1S2 S1S2	9 M17/NOIR7 M17/NOIR7 ALL ALL	10 M17/NOIR7 M17/NOIR7 ALL ALL	11 M17/NOIR7 M17/NOIR7 ALL ALL
	12	M6 M6 ALL ALL	13 M9 M9 ALL ALL	14 M6 M6 ALL ALL	15 E7A0 E4SP ALL ALL	16 SPICA SPICA ALL ALL	17 SPICA SPICA ALL ALL	18 SPICA SPICA ALL ALL
	19	SPICA SPICA ALL ALL	20 SPICA SPICA ALL ALL	21 M3 M3 ALL ALL	22 M3 M3 ALL ALL	23 M4 M4 ALL ALL	24 M4 M4 ALL ALL	25 M4 M4 ALL ALL
	26	M4 M4 ALL ALL	27 M6 M6 ALL ALL	28 C2/NOIR2 E2SL ALL ALL	29 E7A0 E2SL ALL ALL	30 C2/NOIR2 E2SL ALL ALL	31 C2/NOIR2 E2SL ALL ALL	1 C2/NOIR2 E2SL ALL ALL
June	2	C2/NOIR2 E2SL ALL ALL	3 M9 M9 ALL ALL	4 M6 M6 ALL ALL	5 M6 M6 ALL ALL	6 E7A0 E4SP ALL ALL	7 SPICA SPICA ALL ALL	8 SPICA SPICA ALL ALL
	9	SPICA SPICA ALL ALL	10 SPICA SPICA ALL ALL	11 SPICA SPICA ALL ALL	12 S5M/NOIR4 S5M/NOIR4 ALL ALL	13 S5M/NOIR4 S5M/NOIR4 ALL ALL	14 M6 M6 ALL ALL	15 M6 M6 ALL ALL
	16	M16/NOIR6 M16/NOIR6 ALL ALL	17 M1 M1 ALL ALL	18 M6 M6 ALL ALL	19 M6 M6 ALL ALL	20 M6 M6 ALL ALL	21 TOO M20/NOIR11 ALL ALL	22 TOO M1 ALL ALL
	23	M4 M4 ALL ALL	24 M4 M4 ALL ALL	25 M4 M4 ALL ALL	26 M4 M4 ALL ALL	27 M4 M4 ALL ALL	28 TOO M20/NOIR11 ALL ALL	29 TOO M15/NOIR5 ALL ALL
	30	TOO M15/NOIR5 ALL ALL	1 M19/NOIR10 M19/NOIR10 ALL ALL	2 E7A0 E4SP ALL ALL	3 SPICA SPICA ALL ALL	4 SPICA SPICA ALL ALL	5 SPICA SPICA ALL ALL	6 SPICA SPICA ALL ALL
July	7	SPICA SPICA ALL ALL	8 E7A0 S2/NOIR8 ALL ALL	9 M19/NOIR10 M19/NOIR10 ALL ALL	10 M8 M8 ALL ALL	11 M8 M8 ALL ALL	12 M10 M10 ALL ALL	13 M10 M10 ALL ALL
	14	M10 M10 ALL ALL	15 M10 M10 ALL ALL	16 M12/NOIR1 M20/NOIR11 ALL ALL	17 M2 M2 ALL ALL	18 M2 M2 ALL ALL	19 M7 M2 ALL ALL	20 M12/NOIR1 M7 ALL ALL
	21	M19/NOIR10 M19/NOIR10 ALL ALL	22 M7 M12/NOIR1 ALL ALL	23 E7A0 M20/NOIR11 ALL ALL	24 M12/NOIR1 M7 ALL ALL	25 M7 M7 ALL ALL	26 E3CM E3CM S1S2E1 S1S2E1	27 E3CM E3CM S1S2E1 S1S2E1
	28	E3CM E3CM S1S2E1 S1S2E1	29 E3CM/E7A0 E3CM S1S2E1	30 E1M E1M ALL ALL	31 E1M E1M ALL ALL			