

CHARA Array 2023B Observing Proposal Summary

PI	Co-I's	Title	Dates Assigned	
CHARA Classic Programs				
C1/M3	Flores	White, Schaefer, Farrington	Angular Diameters of Wide Binaries with Mass Information	Aug 14-15, Oct 19-20, Dec 1-4 (1st half)
C2/NOIR1	Kishimoto	Antonucci, Hoenig, Millour, Tristram, Weigelt	AGN torus: dissecting the dusty wind launching region	Dec 1-5 (2nd half)
Engineering Programs				
E1SL	Lanthermann	ten Brummelaar, Tuthill, Gies, Schaefer, Ligon, Anderson, Anugu	Silmaril Engineering	Aug 14-16, Oct 18-20
E2KU	Scott	Dinkelaker, Labadie, Madhav, Benoit, Thomson, ten Brummelaar	KULI Engineering	Dec 6-7
E3M	Ligon	Gies, Kohler, Schaefer, ten Brummelaar, Anugu	CMAP Engineering	Nov 29-30
E4C	Schaefer	CHARA	CHARA Engineering	Aug 1, 15, 22, 29, Sep 12, 19, Oct 10, 18, 25, Nov 7, 15, Dec 5 (All first half)
MIRC Programs				
M1	Anugu	Schaefer, Monnier, Kraus	Imaging disk-binary interaction products with MIRC-X and MYSTIC	Aug 31, Sept 1, Oct 24 (1st half), 27 (1st half), 28
M3/C1	Flores	White, Schaefer, Farrington	Angular Diameters of Wide Binaries with Mass Information	Aug 1 (2nd half), Sept 13 (2nd half), 14-15
M4	Gardner	Kraus, Lu	The MIRC-X Gaia Binary Survey: Intermediate Mass Stars	Aug 1 (2nd half), 2, 3 (1st half), Sept 12, 16 (2nd half), Oct 23 (1st half)
M5	Gies	Anugu, Baron, Lanthermann, Monnier	The Great Dimming of RW Cephei	Aug 3 (2nd half), [Sept 16, Oct 22, Nov 13 (1st half)]
M6	Ibrahim	Monnier, Kraus, le Bouquin, Baron MIRCX Team	CHARA Imaging Survey of T Tauri stars	Nov 18-22, Dec 18-22
M7/P2	Jones	Schaefer, White	The Age of the Hyades	Dec 8 (1st half), 11, 12 (1st half)
M8	Kohler	Schaefer	MIRC/MYSTIC observations of the famous triple system T Tauri after Periastron	Sept 30 (2nd half)
M9	Kraus	Codron, Monnier, le Bouquin, Setterholm, Ibrahim, MIRCX Team	The MIRC-X + MYSTIC Large PProgram on imaging time-variable structures in Herbig Ae/Be stars	Sept 19, 20, 27, Oct 10, 23-24 (all 2nd half) Nov 1 (1st half), 2-4
M10	Lanthermann	Sana, LeBouquin, Schaefer, Gies, Gosset, Bordier, Frost, Mahy, DeBecker, Absil, Reggiani	Northern MAssive Stars at High Angular Resolution	Oct 6-7
M11	Lu	Kraus, Gardner	Measuring Dynamical Masses and Precision Ages for Gaia Binaries on the Red Giant Branch	Aug 27, Sept 18
M12	Monnier	Gardner	Astrometric monitoring for long period planets in A/B-type binaries with MIRC-X	Aug 25, Sept 28, Oct 17, Nov 25
M13/SPICA	Roettenbacher	Monnier, Mourard	A Multi-wavelength study of spotted stellar surfaces	Aug 10-12
M14	Roettenbacher	Monnier	A Pilot Study of Habital Worlds Observatory Targets	Sept 2-6
M15	Schaefer	Farrington, Jones, White	Resolving Orbits of Low Mass Companions in the Hyades Cluster	Oct 25 (2nd half), Nov 16
M16	Shepard	Gies, Schaefer	Circumbinary disks around massive interacting binary stars	Dec 9-10
M17	Sweeny	Tuthill, Martinod, Schaefer, White, Monnier, Merand, Dong, Gould, ten Brummelaar, Korone-Martins, Scalzo, Farrington	Imaging gravity microlensing at milli-arcsecond scales	TOO
M19	Tuthill	Dholakia, Pope, ten Brummelaar, Monnier	Simultaneous imaging of a Sig Gem using interferometry and space based photometry	Oct 22, 27, Nov 1, 7, 13, 15 (all 2nd half)
M20/SPICA	Wysocki	Anugu, Klement, Gies, Monnier, Mourard, Schaefer, Kraus	Simultaneous very high resolution spectro-interferometry with MIRC-X + MYSTIC + SPICA	Aug 9, Sept 26, Oct 11
M21/NOIR2	Gardner	Kraus, Malsky, Monnier, Raucher	Direct Detection of Hot Jupiters with Long-Baseline Interferometry	Oct 1-5
M22/NOIR3	Greenbaum	Chilcote, De Rosa, Konopacky, Nielson, Ward-Duong	Orbits of Moving Group Binaries at Short Separations	Nov 27-28
M23/NOIR4	Baines	Schmidt, Stone	Measuring High-Priority Targets on the NASA ExEP Mission Star List	Aug 20-21
M24/NOIR5	Merand		Is the closest Black Hole hiding in the Albireo stellar system?	Aug 23, 30 (both 1st half)
M25/NOIR6	Richardson	Chene, Eldridge, Hill, Moffat, Pradhan, Schemel, St-Louis, Thomas, Williams	Obtaining precise masses for Wolf-Rayet stars	Aug 13
M26/NOIR7	Codron	Kraus	A first movie from the inner-most AU: Studying the origin of the variability in MWC480	Oct 21, 26, 31, Nov 5, 14, 17
M27/NOIR8	Lu	Gardner, Kraus	The low-metallicity Gaia binary survey: Precision masses, orbits, and ages	Aug 28, 29-30 (2nd half), Oct 8-9
M28/NOIR9	Sandquist		Precise Ages from Masses - Bright Resolved Binaries in Praesepe, Pleiades, and the Psc-Eri Stream	Sept 13, 17, 20, 27, 30 (all 1st half), Dec 8 and 12 (2nd half)
M29/NOIR10	Frothingham	Norris, Baylis-Aguirre, Creech-Eakman	High Resolution Imaging of High Mass Loss and Late Spectral Type Red Supergiants with CHARA	Aug 24, Sept 10-11
M30/NOIR11	Norris	Otulakowska-Hypka, Creech-Eakman, Gaudin, Proni, Roy	Deceipherng the Nature of Mass Transfer in Symbiotic Stars with CHARA	Sept 7-9
M31/NOIR12	Mahy	Bordier, Sana	Constraining the cosmic dance of massive triple systems	Oct 30, Nov 6
M32/NOIR13	DeFurio	Calissenndorff, Gardner, Li, Meyer, Monnier	Characterizing Stellar Multiple Populations: Dynamical Masses of A-star Binaries with CHARA/MIRC-X	Aug 18, 26, Sept 29, Nov 26
M33/NOIR14	Labdon	Frost, Koumpia	Resolving the inner-disks of a complete sample of planetforming disks	Aug 19, Oct 29, Nov 24
M34/NOIR15	Zielinski	Gawronski, Gozdziwski, Nowak	Interferometric confirmation of a sub-stellar companion around nearby M-dwarf V596 Cas	Aug 22-23 (2nd half)
PAVO Programs				
P1	Coumarbatch	Martens, Jones, Danchi, Airapetian	Determining ROSAs (Radii of Solar Analogs)	Aug 17, Nov 30-Dec 1
P2/M7	Jones	Schaefer, White	The Age of the Hyades	Dec 6-7
P3/NOIR3	Greenbaum	Chilcote, De Rosa, Konopacky, Nielson, Ward-Duong	Orbits of Moving Group Binaries at Short Separations	Nov 29
P4/NOIR16	Mason	Baines, Griffin, Matson	Diameters of the eclipsing/spectroscopic/interferometric binary Gamma Persei	Dec 2-3 (first half)
SPICA Programs				
SPICA	Mourard	ISSP Team	Various SPICA Programs	Aug 4-8, Sept 21-25, Oct 12-16, Nov 8-12, Dec 13-17
SPICA/M13	Roettenbacher	Monnier, Mourard	A Multi-wavelength study of spotted stellar surfaces	Aug 10-12
SPICA/M20	Wysocki	Anugu, Klement, Gies, Monnier, Mourard, Schaefer, Kraus	Simultaneous very high resolution spectro-interferometry with MIRC-X + MYSTIC + SPICA	Aug 9, Sept 26, Oct 11

CHARA Array 2023B Observing Schedule

		Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday						
August	6	SPICA SPICA ALL	7	SPICA SPICA ALL	8	E4C M3 ALL	9	M4 M4 ALL	10	M4 M5 ALL	11	SPICA SPICA ALL	12	SPICA SPICA ALL
	13	M25/NOIR6 M25/NOIR6 ALL	14	E1SL - C1 E1SL - C1 S1S2W2(E1E2W1) S1S2W2(E1E2W1)	15	E4C/E1SL - C1 E1SL - C1 S1S2E2(E1W1W2) S1S2E2(E1W1W2)	16	E1SL E1SL ALL	17	P1 P1 ALL	18	M32/NOIR13 M32/NOIR13 ALL	19	M33/NOIR14 M33/NOIR14 ALL
	20	M23/NOIR4 M23/NOIR4 ALL	21	M23/NOIR4 M23/NOIR4 ALL	22	E4C M34/NOIR15 ALL	23	M24/NOIR5 M34/NOIR15 ALL	24	M29/NOIR10 M29/NOIR10 ALL	25	M12 M12 ALL	26	M32/NOIR13 M32/NOIR13 ALL
	27	M11 M11 ALL	28	M27/NOIR8 M27/NOIR8 ALL	29	E4C M27/NOIR8 ALL	30	M24/NOIR5 M27/NOIR8 ALL	31	M1 M1 ALL	1	M1 M1 ALL	2	M14 M14 ALL
	September	3	M14 M14 ALL	4	M14 M14 ALL	5	M14 M14 ALL	6	M14 M14 ALL	7	M30/NOIR11 M30/NOIR11 ALL	8	M30/NOIR11 M30/NOIR11 ALL	9
10		M29/NOIR10 M29/NOIR10 ALL	11	M29/NOIR10 M29/NOIR10 ALL	12	E4C M4 ALL	13	M28/NOIR9 M3 ALL	14	M3 M3 ALL	15	M3 M3 ALL	16	M5 M4 ALL
17		M28/NOIR9 M9 ALL	18	M11 M11 ALL	19	E4C M9 ALL	20	M28/NOIR9 M9 ALL	21	SPICA SPICA ALL	22	SPICA SPICA ALL	23	SPICA SPICA ALL
24		SPICA SPICA ALL	25	SPICA SPICA ALL	26	M20/S8 M20/S8 ALL	27	M28/NOIR9 M9 ALL	28	M12 M12 ALL	29	M32/NOIR13 M32/NOIR13 ALL	30	M28/NOIR9 M8 ALL
October	1	M21/NOIR2 M21/NOIR2 ALL	2	M21/NOIR2 M21/NOIR2 ALL	3	M21/NOIR2 M21/NOIR2 ALL	4	M21/NOIR2 M21/NOIR2 ALL	5	M21/NOIR2 M21/NOIR2 ALL	6	M10 M10 ALL	7	M10 M10 ALL
	8	M27/NOIR8 M27/NOIR8 ALL	9	M27/NOIR8 M27/NOIR8 ALL	10	E4C M9 ALL	11	M20/S8 M20/S8 ALL	12	SPICA SPICA ALL	13	SPICA SPICA ALL	14	SPICA SPICA ALL
	15	SPICA SPICA ALL	16	SPICA SPICA ALL	17	M12 M12 ALL	18	E4C/E1SL E1SL S1E1W1 S1E1W1	19	E1SL - C1 E1SL - C1 S1E1W1(S2E2W2) S1E1W1(S2E2W2)	20	E1SL - C1 E1SL - C1 S1E1W1(S2E2W2) S1E1W1(S2E2W2)	21	M26/NOIR7 M26/NOIR7 ALL
	22	M5 M19 ALL	23	M4 M9 ALL	24	M1 M9 ALL	25	E4C M15 ALL	26	E4C M26/NOIR7 ALL	27	M1 M19 ALL	28	M1 M1 ALL
	29	M33/NOIR14 M33/NOIR14 ALL	30	M31/NOIR12 M31/NOIR12 ALL	31	M26/NOIR7 M26/NOIR7 ALL	1	M9 M19 ALL	2	M9 M9 ALL	3	M9 M9 ALL	4	M9 M9 ALL
November	5	M26/NOIR7 M26/NOIR7 ALL	6	M31/NOIR12 M31/NOIR12 ALL	7	E4C M19 ALL	8	SPICA SPICA ALL	9	SPICA SPICA ALL	10	SPICA SPICA ALL	11	SPICA SPICA ALL
	12	SPICA SPICA ALL	13	M5 M19 ALL	14	M26/NOIR7 M26/NOIR7 ALL	15	E4C M19 ALL	16	M15 M15 ALL	17	M26/NOIR7 M26/NOIR7 ALL	18	M6 M6 ALL
	19	M6 M6 ALL	20	M6 M6 ALL	21	M6 M6 ALL	22	M6 M6 ALL	23	M6 M6 ALL	24	M33/NOIR14 M33/NOIR14 ALL	25	M12 M12 ALL
	26	M32/NOIR13 M32/NOIR13 ALL	27	M22/NOIR3 M22/NOIR3 ALL	28	M22/NOIR3 M22/NOIR3 ALL	29	E3M - P3/NOIR3 E3M - P3/NOIR3 S1S2(E1E2W1W2) S1S2(E1E2W1W2)	30	E3M/P1 E3M/P1 S1S2(E1E2W1W2) S1S2(E1E2W1W2)	1	C1 - P1 C2/NOIR1 - P1 W1W2S1(E1E2S2) W1W2S1(E1E2S2)	2	C1 - P4/NOIR16 C2/NOIR1 E2W1W2(S1S2E1) E2W1W2
December	3	C1 - P4/NOIR16 C2/NOIR1 E2W1W2(S1S2E1) E2W1W2	4	C1 C2/NOIR1 ALL	5	E4C C2/NOIR1 ALL	6	E2KU - P2 E2KU - P2 S1S2(E1E2W1W2) S1S2(E1E2W1W2)	7	E2KU - P2 E2KU - P2 S1S2(E1E2W1W2) S1S2(E1E2W1W2)	8	M7 M28/NOIR9 ALL	9	M16 M16 ALL
	10	M16 M16 ALL	11	M7 M7 ALL	12	M7 M28/NOIR9 ALL	13	SPICA SPICA ALL	14	SPICA SPICA ALL	15	SPICA SPICA ALL	16	SPICA SPICA ALL
	17	SPICA SPICA ALL	18	M6 M6 ALL	19	M6 M6 ALL	20	M6 M6 ALL	21	M6 M6 ALL	22	M6 M6 ALL		
	24		25		26		27		28		29			