

# CHARA Array 2022B Observing Proposal Summary

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PI	Co-Ps	Title	Dates Assigned	
<b>CHARA Classic Programs</b>				
C1/M20	Flores	White, Schaefer, Farrington	Measuring Angular Diameters of Stars with Dynamical Masses	Aug 5
C3	Koehler		Orbital Motion in Young Binary Stars	Oct 15-16 (2nd half)
C4/NOIR3	Kishimoto	Antonucci, Hoenig, Millour, Tristram, Weigelt	AGN Torus: Dissecting the dusty wind launching region	Dec 7-9, 11-12 (all 2nd half)
<b>Engineering Programs</b>				
E1J	Scott	ten Brummelaar, Coude du Foresto, Pedretti, Thomson, Labadie, Madhav, Roth, Pike, Sharma, Benoit, Dinkelaker, Nayak	JouFlu MONA upgrade	Nov 21-23
E3CL	ten Brummelaar	Lanthermann, Ligon, Anugu, Anderson	SIMARIL Preparation for First Light	Sept 19, 21, 27 (all 1st half)
E5M	LeBouquin	Monnier, Anugu, Ligon, Kraus	MYSTIC Gravity Install Commissioning	Aug 3-4
E6M	Schaefer	CHARA	Regular engineering time for CHARA	Aug 2, 17, Sept 7, 13, 21, 27, Oct 5, 12, 19, Nov 2, 9, 16, Dec 7, 12 (all 1st half)
<b>MIRC Programs</b>				
M1	Anugu	Klement, Wysocki, Monnier, Mourard, Schaefer, Gies, Kraus	Very high resolution spectro-interferometry with MIRC-X+MYSTIC+SPICA	Aug 30, Oct 1, Dec 22
M2	Anugu	Schaefer, Monnier, Kraus, Kluska	Imaging disk-binary interactions with MIRC-X and MYSTIC	Sept 17, Oct 31
M3	Gardner	Monnier	Astrometric Monitoring for long period planets in A/B-type binaries with MIRC-X	Oct 2, Nov 2 (2nd half), 13 (1st half), Dec 21
M4	Gardner	Kraus, Monnier, Lu	The MIRC-X Gaia Binary Survey: Precision Masses, Orbits, and Ages	Sept 5, (7, 13, 19, 21, 24, 26 (all 2nd half))
M5	Johns	Baron	Imaging starspots with CHARA/MIRC-X	Nov 1
M6	Klement	Schaefer, Gies, Wysocki, Monnier, Anugu, Baade, Rivinius	A MIRC-X survey: are all classical Be stars close binaries	Aug 24, 26 (both 2nd half), 28, Oct 11, 25
M8	Kraus	Codron, Mortimer, Monnier, Setterholm, Ibrahim, MIRCX/MYSTIC Team	The MIRC-X + MYSTIC Large Program on imaging time-variable structures in Herbig Ae/Be stars	Sept 27-30 (all 2nd half), Oct 26-29 (2nd half), Nov 10-12
M9	Kraus	Monnier, Lu, Gardner, LeBouquin, Anugu, Schaefer	Resolving stellar orbits and disk alignments in pre-main-sequence binary systems	Sept 25, Oct 22 (2nd half), Nov 9 (2nd half)
M10	Kraus	Monnier, LeBouquin, Davies, Labdon, Kreplin, Zarrilli, Anugu	Compensated time for 2021B-M9 nights used for OPLE Engineering	Aug 1, 2 (2nd half)
M11	Lanthermann	Sana, LeBouquin, Schaefer, Gies, Gosset, Bordier, Frost, Mahy, DeBecker, Absil, Reggiani	Northern Massive Stars at High Angular Resolution	Oct 26, 27-30 (1st half)
M12	Monnier	Gardner, Rauscher	The case of the missing K-band flux from hot Jupiter Upsilon Andromedae b	Oct 18, 19 (2nd half), 20-21, 22 (1st half)
M13	Monnier	Gallenne, Kervella, Merand, Evans, Proffitt	Unique insights into Galactic Cepheids from long-baseline interferometry	Aug 19-20, Nov 15, 16 (2nd half), 17 (1st half)
M14	Ibrahim	Monnier, Kraus, LeBouquin, Baron, MIRCX/MYSTIC Team	CHARA Imaging Survey of T Tauri stars	Oct 23-24 (1st half) Nov 18 (2nd half), 19, 20 (1st half), Dec 16 (1st half), 17-18, 19 (1st half), 20
M15	Roettenbacher	Korhonen, Cabot	Accounting for stellar activity with interferometric images of 61 Cyg A and B	Aug 23, 27, 31, Sept 4, 8, 12, 16, 20 (1st half)
M16	Roettenbacher	Korhonen, Monnier, Fischer	Interferometric imaging of Tau Ceti, a planet hosting solar analog	Aug 23, 27, 31, Sept 4, 8, 12, 16, 20 (2nd half)
M17	Schaefer	Bender, Simon, Farrington, Jones, White	Resolving the orbits of Low Mass Companions in the Hyades Cluster	Oct 12 (2nd half), Dec 6 (1st half)
M18	Shepard	Gies, Schaefer	Circumbinary Disks around massive interacting binary stars	Dec 10-11 (1st half), 13
M19	Sweeney	Tuthill, Martinod, Schaefer, White, Monnier, Merand, Dong, Gould, ten Brummelaar, Krone-Martins, Scalzo, Farrington	Imaging Gravity: Microlensing at milli-arcsecond scales	TOO
M20/C1	Flores	White, Schaefer, Farrington	Measuring Angular Diameters of Stars with Dynamical Masses	Nov 30
M22	Jones	Schaefer, White	The Age of the Hyades	Nov 17 (2nd half), 18 (1st half)
M23/NOIR1	Richardson	Moffat, St-Louis, Hill, Sander, Eldridge, Chene, Thomas	Dynamical masses for Wolf-Rayet stars	Aug 22
M24/NOIR2	Roettenbacher	Cabot, Korhonen	Accounting for Stellar Activity with Interferometric Images of 61 Cyg A and B	Aug 21, 25, 29, Sept 2, 6, 10, 14, 18, 22, 24 (1st half), 26 (1st half)
M25/NOIR4	Torres	Stefanik	Refining the Mass-Luminosity Relation in the Hyades Cluster	Oct 23-24 (2nd half), Nov 14, Dec 8-9 (1st half)
M26/NOIR5	Shultz	Alecian, Sikora	How Lonely Are They? A Volume-Limited Multiplicity Survey of Magnetic Ap Stars	Sept 23, Nov 8, Dec 14
M27/P7/NOIR6	Frothingham	Cannon, Creech-Eakman, Montarges	CHARA Imaging and Measurements of Mass Losing RSGs	Sept 9, 11
M28/NOIR7	Sandquist	Danner	Precise Ages from Masses - Bright Resolved Binaries in Praesepe, Hyades, and alpha Persei Clusters	Nov 13, 20, Dec 6, 10, 19 (all 2nd half)
M29/NOIR8	Rajagopal	Bender, Stevens, Stefansson, Wright, Robertson, Mahadevan, Parts	Accurate Radii of Exoplanet Host Stars	Sept 1, 3, Nov 25-26
M30/NOIR9	Rau	Gordon	Another one bites the dust - Imaging carbon-rich AGB stars' atmospheres with MIRC-X	Aug 24, 26 (both 1st half)
M31/NOIR10	Norris	Creech-Eakman, Gaudin	Investigating Mass Transfer in Symbiotic Stars	Nov 27-29
M32/NOIR12	Bodensteiner		The origin of Be stars and the elusive massive helium stars	Sept 28-30 (1st half), Dec 15, 16 (2nd half)
<b>PAVO Programs</b>				
P1	Coumarbatch	Martens, Jones, White	TOSA (Radi Observations of Solar Analogues) Initiative	Oct 14-15
P3	Ireland	Karovicova, White	Interferometric observations of stars for calibrating large stellar surveys of the Milky Way	Oct 13, Nov 23
P4	Rains	Ireland, White, Zerjal, Casagrande, Huber	Accurate diameters of M-dwarfs with PAVO	Nov 21-22
P5	White	Bedding, Murphy, Rains, Huber, Ireland	Angular sizes and oblateness of delta Scuti pulsators observed by TESS	Oct 16-17
P7/M27/NOIR6	Frothingham	Cannon, Creech-Eakman, Montarges	CHARA Imaging and Measurements of Mass Losing RSGs	Sept 15
P8/NOIR11	Gordon	Rau	Precise Determination of the Fundamental Properties of O and B-type stars with the CHARA Array	Aug 5-10
<b>SPICA Programs</b>				
S1	Mourard	Creevey, Deheuvels, Domiciano, Ligi, Nardetto, Wittkowski	Interferometric Survey of Stellar Parameters (ISSP)	Aug 11-16, 17(2nd half), 18, Oct 3-4, 5(2nd half), 6-10, Nov 3-7, Dec 1-5

CHARA Array 2022B Observing Schedule

		Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
August			1 M10 ALL M10 ALL	2 E6M ALL M10 ALL	3 E5M ALL E5M ALL	4 E5M ALL E5M ALL	5 P8/NOIR11 / C1 ALL(S2E1W2) P8/NOIR11 / C1 ALL(S2E1W2)	6 P8/NOIR11 ALL P8/NOIR11 ALL
	7	P8/NOIR11 ALL P8/NOIR11 ALL	8 P8/NOIR11 ALL P8/NOIR11 ALL	9 P8/NOIR11 ALL P8/NOIR11 ALL	10 P8/NOIR11 ALL P8/NOIR11 ALL	11 S1 ALL S1 ALL	12 S1 ALL S1 ALL	13 S1 ALL S1 ALL
	14	S1 ALL S1 ALL	15 S1 ALL S1 ALL	16 S1 ALL S1 ALL	17 E6M ALL S1 ALL	18 S1 ALL S1 ALL	19 M13 ALL M13 ALL	20 M13 ALL M13 ALL
	21	M24/NOIR2 ALL M24/NOIR2 ALL	22 M23/NOIR1 ALL M23/NOIR1 ALL	23 M15 ALL M16 ALL	24 M30/NOIR9 ALL M6 ALL	25 M24/NOIR2 ALL M24/NOIR2 ALL	26 M30/NOIR9 ALL M6 ALL	27 M15 ALL M16 ALL
	28	M6 ALL M6 ALL	29 M24/NOIR2 ALL M24/NOIR2 ALL	30 M1 ALL M1 ALL	31 M15 ALL M16 ALL	1 M29/NOIR8 ALL M29/NOIR8 ALL	2 M24/NOIR2 ALL M24/NOIR2 ALL	3 M29/NOIR8 ALL M29/NOIR8 ALL
September	4	M15 ALL M16 ALL	5 M4 ALL M4 ALL	6 M24/NOIR2 ALL M24/NOIR2 ALL	7 E6M ALL M4 ALL	8 M15 ALL M16 ALL	9 M27/NOIR6 ALL M27/NOIR6 ALL	10 M24/NOIR2 ALL M24/NOIR2 ALL
	11	M27/NOIR6 ALL M27/NOIR6 ALL	12 M15 ALL M16 ALL	13 E6M ALL M4 ALL	14 M24/NOIR2 ALL M24/NOIR2 ALL	15 P7/NOIR6 ALL P7/NOIR6 ALL	16 M15 ALL M16 ALL	17 M2 ALL M2 ALL
	18	M24/NOIR2 ALL M24/NOIR2 ALL	19 E3CL ALL M4 ALL	20 M15 ALL M16 ALL	21 E3CL/E6M ALL M4 ALL	22 M24/NOIR2 ALL M24/NOIR2 ALL	23 M26/NOIR5 ALL M26/NOIR5 ALL	24 M24/NOIR2 ALL M4 ALL
	25	M9 ALL M9 ALL	26 M24/NOIR2 ALL M4 ALL	27 E3CL/E6M ALL M8 ALL	28 M32/NOIR12 ALL M8 ALL	29 M32/NOIR12 ALL M8 ALL	30 M32/NOIR12 ALL M8 ALL	1 M1 ALL M1 ALL
October	2	M3 ALL M3 ALL	3 S1 ALL S1 ALL	4 S1 ALL S1 ALL	5 E6M ALL S1 ALL	6 S1 ALL S1 ALL	7 S1 ALL S1 ALL	8 S1 ALL S1 ALL
	9	S1 ALL S1 ALL	10 S1 ALL S1 ALL	11 M6 ALL M6 ALL	12 E6M ALL M17 ALL	13 P3 ALL P3 ALL	14 P1 ALL P1 ALL	15 P1 ALL P1/C3 E1W1(S1S2)
	16	P5 ALL P5/C3 E1E2W2(S1S2)	17 P5 ALL P5 E1E2S2W2	18 M12 ALL M12 ALL	19 E6M ALL M12 ALL	20 M12 ALL M12 ALL	21 M12 ALL M12 ALL	22 M12 ALL M9 ALL
	23	M14 ALL M25/NOIR4 ALL	24 M14 ALL M25/NOIR4 ALL	25 M6 ALL M6 ALL	26 M11 ALL M11 ALL	27 M11 ALL M8 ALL	28 M11 ALL M8 ALL	29 M11 ALL M8 ALL
	30	M11 ALL M8 ALL	31 M2 ALL M2 ALL	1 M5 ALL M5 ALL	2 E6M ALL M3 ALL	3 S1 ALL S1 ALL	4 S1 ALL S1 ALL	5 S1 ALL S1 ALL
November	6	S1 ALL S1 ALL	7 S1 ALL S1 ALL	8 M26/NOIR5 ALL M26/NOIR5 ALL	9 E6M ALL M9 ALL	10 M8 ALL M8 ALL	11 M8 ALL M8 ALL	12 M8 ALL M8 ALL
	13	M3 ALL M28/NOIR7 ALL	14 M25/NOIR4 ALL M25/NOIR4 ALL	15 M13 ALL M13 ALL	16 E6M ALL M13 ALL	17 M13 ALL M22/S2 ALL	18 M22/S2 ALL M14 ALL	19 M14 ALL M14 ALL
	20	M14 ALL M28/NOIR7 ALL	21 P4/E1J W1W2E2(S1S2) P4/E1J W1W2E2(S1S2)	22 P4/E1J W1W2S2(E1E2) P4/E1J W1W2S2(E1E2)	23 P3/E1J W1W2E1E2(S1S2) P3/E1J W1W2E1E2(S1S2)	24 M22/S2 ALL M22/S2 ALL	25 M29/NOIR8 ALL M29/NOIR8 ALL	26 M29/NOIR8 ALL M29/NOIR8 ALL
	27	M31/NOIR10 ALL M31/NOIR10 ALL	28 M31/NOIR10 ALL M31/NOIR10 ALL	29 M31/NOIR10 ALL M31/NOIR10 ALL	30 M20 ALL M20 ALL	1 S1 ALL S1 ALL	2 S1 ALL S1 ALL	3 S1 ALL S1 ALL
December	4	S1 ALL S1 ALL	5 S1 ALL S1 ALL	6 M17 ALL M28/NOIR7 ALL	7 E6M ALL C4/NOIR3 ALL	8 M25/NOIR4 ALL C4/NOIR3 ALL	9 M25/NOIR4 ALL C4/NOIR3 ALL	10 M18 ALL M28/NOIR7 ALL
	11	M18 ALL C4/NOIR3 ALL	12 E6M ALL C4/NOIR3 ALL	13 M18 ALL M18 ALL	14 M26/NOIR5 ALL M26/NOIR5 ALL	15 M32/NOIR12 ALL M32/NOIR12 ALL	16 M14 ALL M32/NOIR12 ALL	17 M14 ALL M14 ALL
	18	M14 ALL M14 ALL	19 M14 ALL M28/NOIR7 ALL	20 M14 ALL M14 ALL	21 M3 ALL M3 ALL	22 M1 ALL M1 ALL	23 M1 ALL M1 ALL	24 M1 ALL M1 ALL
	25		26	27	28	29	30	31