

## CHARA Array 2019A Observing Proposal Summary

Program Number	PI	Co-I's	Title	Dates Assigned
<b>CHARA Classic Programs</b>				
C1	Anderson	Baron, Kishimoto	On-sky Adaptive Optics Testing on NGC 4151	Mar 15-21
C2/NOAO2	Kishimoto	Antonucci, Hoenig, Millour, Tristram, Weigelt	AGN torus: dissecting the dusty wind launching region	Feb 27-Mar3 (1/2)
C3/NOAO7	Burgasser	Quintana, Barclay, Villadsen, Huber, Boyajian, vonBraun, Howell, Colon, Barentsen, Faherty, Rushby	Sizing up the Coolest Stars: CHARA Observations of Wolf 359	Apr 19-23 (1/2)
C4/NOAO9	Siverd	Stassum, Stevens, Lund	Mass and radius determination of a bright eclipsing giant system with CHARA	July 2
<b>CLIMB Programs</b>				
CL1	Farrington	ten Brummelaar, Williams, Schaefer, Fekel	The SB2 and Visual Binary Project with CLIMB: Part 1 – Finalizing the CLIMB SFP Orbits	Apr 19-23 (1/2), May 12-14
CL2	Lester	Farrington, Gies, Schaefer	Visual Orbits of A- and F-type Stars in Spectroscopic Binaries	Feb 27-Mar 3 (1/2), Mar 4, Mar 29-31, Apr 24-30
CL3/P3	White	Huber, Baron, Lincoln, Martinez, Ireland, Tuthill, Bedding, Aufdenberg, Baines, Collet, Neilson, Trampedach	Measuring limb-darkening at visible wavelengths with PAVO	June 28-29
CL4/NOAO5	Richardson	Moffat, Williams, Shenar, St. Louis	Weighing Evolved Massive Stars in Binary systems with Interferometry	June 30-July 1
CL5/M18/NOAO10	Chomiuk	Richardson, Kawash	Imaging the Evolution and Expansion of Nova Ejecta	TOO
<b>JOUFLU Programs</b>				
J1	Scott	ten Brummelaar, Coude du Foresto	Engineering and Upgrades to JouFLU	Apr 16-18
<b>MIRC Programs</b>				
M1	Anugu	Kraus, Kluska, Davies, Labdon, Monnier, Le Bouquin	Imaging the circumbinary and circumstellar disks around post-AGB binaries	Mar 22-25
M2	Gardner	Monnier	MIRC-X imaging astrometry of substellar companions in close binary systems	Feb 16-18, Mar 26-28, Apr 9-11, May 9-11, May 31-June 2, July 29-30, July 28, 31 (1/2)
M3	Gies	Mazeh, Sahar, Schaefer	Binaries with companions that are too faint	July 26-27 (1/2)
M4	Kraus	Monnier, LeBouquin, Davies, Setterholm, Labdon, Anugu, ten Brummelaar	MIRC-X Large Program on imaging time-variable structures in protoplanetary disks	June 19-20, June 21-26 (1/2), June 27, July 15, 17-18, 21, July 10-11, 12(1/2), 18, 19(1/2), 20-21, 22-23(1/2)
M5	Kraus	Monnier, Davies, Anugu, Kreplin, Labdon, Zarilli	Resolving stellar orbits and disk alignments in pre-main-sequence binary systems	May 8, June 3-4, July 23, 25 (1/2), July 24
M6	Martinez	Baron, Monnier	Imaging rapid rotators with CHARA/MIRC-X	Apr 1-5, May 15-18, May 19-21 (1/2)
M7	Norris	Baron, Kravchenko, Martinez, Tessore, Chivassa, Lebre, Lopez-Ariste, Monnier, Montarges, Paladini, Van Eck	The evolution of the surface of red supergiants: the contribution to a multiple technique campaign	May 19-21 (1/2), June 9-10 (1/2)
M8	Schaefer	Farrington, Gies	Masses of Massive O-Star Binaries	Feb 15, 26, July 3, 17
M9	Klement	Carciofi, Gies, Schaefer, Monnier, Rivinius	The Missing link to understand the star-disk connection in Be Stars: Imaging the initial phases of new disk formation.	TOO
M10	Labdon	ten Brummelaar, Kraus, LeBoquin, Monnier, Ireland, Mourard, Coude du Foresto	New Generation Baseline Model for CHARA	Apr 6-7
M11	Monnier	Le Bouquin, Kraus, ten Brummelaar, Anugu, Setterholm, Gardner, Labdon, Lanthermann	Commissioning of the Michigan Young STar Imager for CHARA (MYSTIC)	June 5-8, June 9-10(1/2)
M12	Klement	Monnier, Rivinius	H-Band imaging of the hot supergiant Deneb - the link to large-scale inhomogeneities in the stellar wind	June 17-18
M13	LeBouquin	Anderson, Farrington, ten Brummelaar, J Sturmman, L Sturmman, Ireland, Kraus, Mourard, Coude du Foresto	Adaptive Optics for CHARA	Feb 1-14
M14/NOAO1	Evans	Gallenne, Kervella, Merand, Bond	The Dynamical Mass of Polaris, the Nearest Cepheid: The Periastron Campaign	Apr 8
M15/NOAO3	Gallenne	Kervella, Merand, Evans, Proffitt	Multiplicity of Galactic Cepheids from long-baseline interferometry	July 12 (1/2), 13-15, 16(1/2)
M16/NOAO4	Lanthermann	Sana, LeBouquin, Gosset, Rainot, Tramper, Mahy, DeBecker, Absil	Northern Massive Stars at High Angular Resolution	June 21-26 (1/2)
M17/NOAO6	Roettenbacher	Korhonen, Henry	Interferometrically Detecting and Measuring Differential Rotation on the Spotted Giant + Andromedae	July 16, 19, 22, 25, 28, 31 (1/2)
M18/CL5/NOAO10	Chomiuk	Richardson, Kawash	Imaging the Evolution and Expansion of Nova Ejecta	TOO
M19/V2	Chivassa	Schultheis, Creevy, Mourard, Nardetto, Schaefer	Visible and IR diameters of AGB stars in the GAIA era	July 26-27 (1/2)
<b>PAVO Programs</b>				
P1	Gordon	Gies, Schaefer	Angular Sizes of Supergiant B-Stars	June 28-29
P2/V2	Huber	White, Creevy, Boyajian, Ireland, Bedding, Li, Stello, Aguirre, Nardetto, Mourard	Angular Diameters or Oscillating Solar-Type Stars observed by TESS	Apr 15-18
P3/CL3	White	Huber, Baron, Lincoln, Martinez, Ireland, Tuthill, Bedding, Aufdenberg, Baines, Collet, Neilson, Trampedach	Measuring limb-darkening at visible wavelengths with PAVO	May 26-28
P4/V5	Nardetto	Mourard, Hocde, Kervella, MErand, Gallenne, Trahin, Borginet, Gieren, Storm, Pietrzynski, Graczyk, Pileki, Anderson, Mathias, Neilson, Fouque, Poretti, Ranier, Ligi, Huber, Ireland, White	The environment of Cepheids in the visible Domain	Mar 7, May 29-30
P5	Egeland	Martens, Jones, White, Baron, Monnier, Roettenbacher	Radii of Solar Analogues	Mar 4-6, May 22-25
P6/NOAO8	Boyajian	vonBraun, Parks, Ellis	Diameters and Temperatures of Main-Sequence FG Stars	Apr 12-14
<b>VEGA Programs</b>				
V1,V2,V3,V4,V5	Mourard	The VEGA team	Multiple VEGA proposals	Feb 19-25, Mar 8-14, May 1-7, June 11-16, July 4-9
<b>Telescope downtime</b>				
W2-April 19-30, W1 Jan 7-Feb 14				

CHARA Array 2019A Observing Schedule

		Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
February							1 M13 ALL	2 M13 ALL
	3	M13 ALL	M13 ALL	M13 ALL	M13 ALL	M13 ALL	M13 ALL	M13 ALL
	10	M13 ALL	M13 ALL	M13 ALL	M13 ALL	M13 ALL	M8 ALL	M2 ALL
	17	M2 ALL	M2 ALL	V1 ALL	V1 ALL	V1 ALL	V1 ALL	V1 ALL
	24	V1 ALL	V1 ALL	M8 ALL	CL2 S1W1E1 C2/NOAO2 ALL	CL2 S1W1E1 C2/NOAO2 ALL	CL2 S1W1E1 C2/NOAO2 ALL	CL2 S1W1E1 C2/NOAO2 ALL
March	3	CL2 S1W1E1 C2/NOAO2 ALL	CL2 S1W1E1 P5 S2E2W2	P5 E1E2W1W2	P5 E1E2W1W2	P4/V5 S1S2E1E2	V2 ALL	V2 ALL
	10	V2 ALL	V2 ALL	V2 ALL	V2 ALL	V2 ALL	C1 ALL	C1 ALL
	17	C1 ALL	C1 ALL	C1 ALL	C1 ALL	C1 ALL	M1 ALL	M1 ALL
	24	M1 ALL	M1 ALL	M2 ALL	M2 ALL	M2 ALL	CL2 S1W1E1	CL2 S1W1E1
	31	CL2 S1W1E1	M6 ALL	M6 ALL	M6 ALL	M6 ALL	M6 ALL	M10 ALL
April	7	M10 ALL	M14/NOAO1 ALL	M2 ALL	M2 ALL	M2 ALL	P6/NOAO8 ALL	P6/NOAO8 ALL
	14	P6/NOAO8 ALL	P2 E1W1W2	P2 E1W1W2 J1 S1S2	P2 E1W1W2 J1 S1S2	P2 E1W1W2 J1 S1S2	C3/NOAO7 S1W1E1 CL1 S1W1E1	C3/NOAO7 S1W1E1 CL1 S1W1E1
	21	C3/NOAO7 S1W1E1 CL1 S1W1E1	C3/NOAO7 S1W1E1 CL1 S1W1E1	C3/NOAO7 S1W1E1 CL1 S1W1E1	CL2 S1W1E1	CL2 S1W1E1	CL2 S1W1E1	CL2 S1W1E1
	28	CL2 S1W1E1	CL2 S1W1E1	CL2 S1W1E1	V3 ALL	V3 ALL	V3 ALL	V3 ALL
May	5	V3 ALL	V3 ALL	V3 ALL	M5 ALL	M2 ALL	M2 ALL	M2 ALL
	12	CL1 S1W1E1	CL1 S1W1E1	CL1 S1W1E1	M6 ALL	M6 ALL	M6 ALL	M6 ALL
	19	M6 ALL M7 ALL	M6 ALL M7 ALL	M6 ALL M7 ALL	P5 E1E2W1W2	P5 E1E2W1W2	P5 E1E2W1W2	P5 E1E2W1W2
	26	P3 E1E2W1W2	P3 E1E2W1W2	P3 E1E2W1W2	P4 S1S2E1E2	P4 S1S2E1E2	M2 ALL	M2 ALL
June	2	M2 ALL	M5 ALL	M5 ALL	M11 ALL	M11 ALL	M11 ALL	M11 ALL
	9	M11 ALL M7 ALL	M11 ALL M7 ALL	V4 ALL	V4 ALL	V4 ALL	V4 ALL	V4 ALL
	16	V4 ALL	M12 ALL	M12 ALL	M4 ALL	M4 ALL	M4 ALL	M4 ALL
	23	M4 ALL M16/NOAO4 ALL	M4 ALL M16/NOAO4 ALL	M4 ALL M16/NOAO4 ALL	M4 ALL M16/NOAO4 ALL	M4 ALL M16/NOAO4 ALL	CL3 S2W2E2 P1 S1W1E1	CL3 S2W2E2 P1 S1W1E1
	30	CL4/NOAO5 S1E2W1	CL4/NOAO5 S1E2W1	C4/NOAO9 S1W1E1	M8 ALL	V5 ALL	V5 ALL	V5 ALL
July	7	V5 ALL	V5 ALL	V5 ALL	M4 ALL	M4 ALL	M4 ALL	M15/NOAO3 ALL
	14	M15/NOAO3 ALL	M15/NOAO3 ALL	M15/NOAO3 ALL M17/NOAO6 ALL	M8 ALL	M4 ALL	M4 ALL	M4 ALL
	21	M4 ALL	M4 ALL M17/NOAO6 ALL	M4 ALL M5 ALL	M5 ALL	M5 ALL M17/NOAO6 ALL	M3 ALL M19 ALL	M3 ALL M19 ALL
	28	M2 ALL M17/NOAO6 ALL	M2 ALL	M2 ALL	M2 ALL	M2 ALL		AO Engineering W2 Recoating W1 Recoating