

CHARA Array 2018B Observing Schedule

|           |    | Sunday       |           | Monday       |           | Tuesday      |           | Wednesday |           | Thursday               |           | Friday    |           | Saturday  |           |           |    |
|-----------|----|--------------|-----------|--------------|-----------|--------------|-----------|-----------|-----------|------------------------|-----------|-----------|-----------|-----------|-----------|-----------|----|
|           |    | P6           | E1W1W2    | P6           | E1W1W2    | V1           | ALL       | P3        | J2        | E1E2W1W2               | S1S2      | P3        | E1E2W1W2  | P6        | E1W1W2    |           |    |
| August    | 5  | P6           | E1W1W2    | P6           | E1W1W2    | V1           | ALL       | P3        | J2        | E1E2W1W2               | S1S2      | P3        | E1E2W1W2  | P6        | E1W1W2    |           |    |
|           | 12 | V1           | ALL       | V1           | ALL       | CL1          | S1W1E1    | CL1       | V1        | ALL                    | ALL       | CL1       | S1W1E1    | M1        | ALL       |           |    |
|           | 19 | M11          | ALL       | M11          | ALL       | M7           | ALL       | M12       | M12       | ALL                    | ALL       | M12       | ALL       | M3        | ALL       |           |    |
|           | 26 | M16          | NOAO3     | J2(1/2)      | DD-C(1/2) | S1S2         | S1E1      | C1        | P8        | ALL                    | ALL       | CL3       | NOAO1     | S1E2W1    | NOAO1     |           |    |
| September | 2  | CL1(1/2)     | S1W1E1    | CL1(1/2)     | S1W1E1    | CL1(1/2)     | S1W1E1    | P1        | E1E2W1W2  | P1                     | E1E2W1W2  | P10       | NOAO8     | E2W2      | W1W2      |           |    |
|           | 9  | C3NOAO9(1/2) | ALL       | C3NOAO9(1/2) | ALL       | C3NOAO9(1/2) | ALL       | M5        | ALL       | M5                     | ALL       | M5        | ALL       | M5        | ALL       |           |    |
|           | 16 | P10          | NOAO8     | P10          | NOAO8     | M11          | ALL       | M11       | ALL       | M9                     | ALL       | M9        | ALL       | M17       | NOAO4     |           |    |
|           | 23 | M17          | NOAO4     | M17          | NOAO4     | M17          | NOAO4     | M17       | NOAO4     | M18                    | NOAO6     | M18       | NOAO6     | M18       | NOAO6     |           |    |
|           | 30 | M18          | NOAO6     | ENG          | ENG       | ENG          | ENG       | ENG       | ENG       | ENG                    | ENG       | ENG       | J2        | S1S2      | ENG       | J2        |    |
|           | 7  | ENG          | J2        | ENG          | ENG       | ENG          | ENG       | ENG       | ENG       | ENG                    | ENG       | ENG       | ENG       | V2        | ALL       | ENG       | V2 |
|           | 14 | ENG          | V2        | ENG          | ENG       | ENG          | ENG       | ENG       | ENG       | ENG                    | ENG       | ENG       | ENG       | V2        | ALL       | ENG       | V2 |
| October   | 21 | M11          | ALL       | M11          | ALL       | M6           | ALL       | M6        | ALL       | M6                     | ALL       | M6        | ALL       | M6        | ALL       |           |    |
|           | 28 | M7           | ALL       | ENG          | ENG       | ENG          | ENG       | ENG       | ENG       | ENG                    | ENG       | ENG       | ENG       | ENG       | ENG       |           |    |
|           | 4  | ENG          | M9        | ENG          | ENG       | ENG          | ENG       | ENG       | ENG       | ENG                    | ENG       | ENG       | ENG       | ENG       | ENG       |           |    |
|           | 11 | ENG          | M12       | ENG          | ENG       | ENG          | ENG       | ENG       | ENG       | ENG                    | ENG       | ENG       | ENG       | ENG       | ENG       |           |    |
| November  | 18 | ENG          | CL6/NOAO7 | M11          | ALL       | M11          | ALL       | CL2       | S2W2E2    | ENG                    | P4        | ENG       | P4        | S2W2E2    | ENG       | P4        |    |
|           | 25 | CL1          | S1W1E1    | M6           | ALL       | M6           | ALL       | M6        | ALL       | M6                     | ALL       | M6        | ALL       | M6        | ALL       |           |    |
|           | 2  | CL5          | NOAO5     | M13          | M11       | M13          | M11       | M13       | M11       | M13                    | M11       | M13       | CL6/NOAO7 | M13       | M11       |           |    |
|           | 9  | CL5          | NOAO5     | M13          | CL1(1/2)  | M14          | CL1(1/2)  | M13       | CL6/NOAO7 | M13                    | V3        | M13       | V3        | M13       | V3        |           |    |
|           | 16 | V3           | ALL       | V3           | ALL       | V3           | ALL       | P3        | E1E2W1W2  | P7                     | E1E2W1W2  | P7        | E1E2W1W2  | P1        | E1E2W1W2  |           |    |
|           | 23 | P1           | CL6/NOAO7 | CL6/NOAO7    | CL6/NOAO7 | CL6/NOAO7    | CL6/NOAO7 | CL6/NOAO7 | CL6/NOAO7 | CL6/NOAO7              | CL6/NOAO7 | CL6/NOAO7 | CL6/NOAO7 | CL6/NOAO7 | CL6/NOAO7 | CL6/NOAO7 |    |
|           | 30 | CL6/NOAO7    | (1/2)     | CL6/NOAO7    | (1/2)     | CL6/NOAO7    | (1/2)     | CL6/NOAO7 | (1/2)     | CL6/NOAO7              | (1/2)     | CL6/NOAO7 | (1/2)     | CL6/NOAO7 | (1/2)     | CL6/NOAO7 |    |
| December  | 30 |              |           |              |           |              |           |           |           |                        |           |           |           |           |           |           |    |
|           |    |              |           |              |           |              |           |           |           |                        |           |           |           |           |           |           |    |
|           |    | AO ENG       |           |              |           |              |           |           |           | 1st 1/2 AO Engineering |           | Norm Olli |           | Chris     |           |           |    |

## CHARA Array 2018B Observing Proposal Summary

| Program Number  | PI                | Co-I's   | Title   | Dates Assigned  |
|---|-------------------|--|---|---|
| <b>CHARA Classic Programs</b>   |                   |  |   |   |
| C1/P8   | Boyajian/vonBraun | Ellis, Parks, ten Brummelaar, Farrington, McAlister, Gies, vanBelle, White, Jones, Ireland, Huber          | Diameters and Temperatures of Main-Sequence FG stars  | Aug 28-29   |
| C3-NOAO9  | Kishimoto         | ten Brummelaar   | NGC4151 and 1068 with CHARA   | Sept 1-4(1/2)   |
| DD-C  | Bond              | Gies   | Director's Discretionary Time, Polaris B  | Aug 27 (1/2), Sept 1 (1/2)  |
| ENG   | ten Brummelaar    | CHARA  | DM Install  | Oct 1-14, Oct 29-Nov 18   |
| <b>CLIMB Programs</b>   |                   |  |   |   |
| CL1   | Lester            | Farrington, Gies, Schaefer   | Astrophysical Parameters for A- and F-type Stars in Spectroscopic Binaries  | Aug 14-16, Sept 2-4(1/2), Nov 25, Dec 10-11(1/2)                      |
| CL2/P7  | White             | Huber, Baron, Martinez, Ireland, Tuthill, Bedding, Aufdenberg, Baines, Collet, Neilson, Trampedach         | Measuring limb-darkening at visible wavelengths with PAVO   | Nov 21 & 23   |
| CL3-NOAO1   | Richardson        | Moffat, Williams, Shenar, St-Louis   | Weighing Evolved Massive Stars in Binary systems with Interferometry  | Aug 30-31   |
| CL4/M15-NOAO2   | Chomiuk           | Richardson   | Imaging the Evolution and Expansion of Nova Ejecta  | TOO   |
| CL5-NOAO5   | Melis             | Stauffer, Torres   | Pleiades Binaries for the Masses  | Dec 2, Dec 9  |
| CL6-NOAO7   | Sandquist         |  | REALLY Measuring Age and Stellar Masses from Bright Binaries in Praesepe and Alpha Persei Clusters                    | 1/2 - (Nov 18), Nov 24, Dec 1, Dec 7, Dec 12, Dec 23                  |
| <b>JOUFLU Programs</b>  |                   |  |   |   |
| J1  | Reynaud           | Grossard   | ALOHA@1.55 and @3.39 microns  | Oct 17-18   |
| J2  | Scott             | Nunez, Mennesson, Absil  | Monitoring of Known Variable Exozodiacal Disks  | Aug 1, Aug 27 (1/2), Nov 24 (1/2), Dec 19, (October 5-7)              |
| <b>MIRC Programs</b>  |                   |  |   |   |
| M1  | Anugu             | Kraus, Kluska, Davies, Labdon, Monnier, LeBouquin  | Imaging the circumbinary & circumstellar disks around post-AGB binaries   | Aug 17-18   |
| M2  | 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   |
| M3  | Klement           | Monnier, Rivinius  | H-band imaging of hot supergiants Deneb and Rigel - the link to large-scale inhomogeneities in the stellar wind       | Aug 25.   |
| M5  | Kraus             | Monnier, LeBouquin, ten Brummelaar, Anugu, Setterholm, Gardner, Labdon                                     | Phase 2 of the MIRC-X instrument upgrade  | Sept 11-17  |
| M6  | Kraus             | Monnier, LeBouquin, Davies, Kreplin, Setterholm, Labdon, Anugu, ten Brummelaar                             | The MIRC-X Large Program on imaging time-variable structures in protoplanetary disks                                  | Oct 23-27, Nov 26-30  |
| M7  | Kraus             | Monnier, LeBouquin, Davies, Anugu, Kreplin   | Imaging mass-transfer and accretion processes in symbiotic stars  | Aug 21, Oct 28  |
| M9  | Martinez          | Baron, Monnier   | Imaging rapid rotators with CHARA/MIRC-X  | Sept 20-21, (Nov 2-4)   |
| M11   | Monnier           | Gardner  | MIRC imaging astrometry of substellar companions in close binary systems  | Aug 19-20, Sept 18-19, Oct 21-22, Nov 19-20, Dec 3-6(1/2), Dec 8(1/2) |
| M12   | Norris            | Baron, Kravchenko, Martinez, Iessore, Univassa, Lebre, Lopez-Ariste, Monnier, Montarges, Paladini, Vignard | Short term variations on the surface of red supergiant stars: What is the lifetime of the granulation?                | Aug 22-24, (Nov 9-11)   |
| M13   | Roettenbacher     | Monnier, Korhonen, Janson, Fischer, Henry  | MIRCx imaging of the spotted surface of $\epsilon$ Eridani, a planet hosting, main sequence star                      | 1/2 - Dec 3-8, 10, 12   |
| M14   | Schaefer          | Farrington, Gies, Monnier, Richardson  | Mapping the orbit of the O-star triple Iota Orionis   | 1/2 - Dec 1, Dec 11   |
| M15/CL4-NOAO2   | Chomiuk           | Richardson   | Imaging the Evolution and Expansion of Nova Ejecta  | TOO   |
| M16-NOAO3   | Evans             | Gallenne, Kervella., Merand  | Dynamical Mass of Polaris, the Nearest Cepheid: The Periastron Campaign   | Aug 26.   |
| M17-NOAO4   | Lanthermann       | Sana, LeBouquin, Gosset, Rainot, Trampedach, Mahy, DeBecker, Absil   | Northern Massive Stars at High Angular Resolution   | Sept 22-26  |
| M18-NOAO6   | Gallenne          | Kervella, Merand, Evans, Proffitt  | Multiplicity of Galactic Cepheids from long-baseline interferometry   | Sept 27-30  |
| <b>PAVO Programs</b>  |                   |  |   |   |
| P1  | Egeland           | Martens, Jones, Clement, White, Baron, Monnier   | Radii of Solar Analogues with known Magnetic Variability  | Sept 5-6, Dec 22-23   |
| P3  | Ireland           | Karovicova, Lind, White, Huber, Nordlander, Casagrande, Asplund, Rains, Zerjal, Gilmore                    | Interferometric observations of benchmark stars for calibrating large stellar surveys of the Milky Way                | Aug 1-3, Dec 19   |
| P4  | Jones             | White, Boyajian, Schaefer, Baines, Ireland   | How Old are the Nearest A-Stars?  | (Nov 15-17)   |
| P6/V1   | Huber             | White, Creevy, Boyajian, Ireland, Tuthill, Li, Stello, Aguirre, Nardetto, Mourard, Grunblatt               | Angular Diameters of Oscillating Solar-Type Stars observed by TESS  | Aug 4-6   |
| P7/CL2  | White             | Huber, Baron, Martinez, Ireland, Tuthill, Bedding, Aufdenberg, Baines, Collet, Neilson, Trampedach         | Measuring limb-darkening at visible wavelengths with PAVO   | Dec 20-21   |
| P8/C1   | Boyajian/vonBraun | Ellis, Parks, ten Brummelaar, Farrington, McAlister, Gies, vanBelle, White, Jones, Ireland, Huber          | Diameters and Temperatures of Main-Sequence FG stars  | Aug 28-29   |
| P10-NOAO8   | Baines            | Zielinski, Vanko, Paunzen, Janik   | Characterizing Exoplanet Host Star Candidates   | Sept 7-10   |
| <b>VEGA Programs</b>  |                   |  |   |   |
| V1, V2, V3  | VEGA              | VEGA Team  | Multiple Proposals  | Aug 7-13, (Oct 12-14), Oct 15-20, Dec 13-18                           |
| Dates surrounded by parentheses indicate scheduled during Engineering time and will only be attempted if time allows and are not guaranteed |                   |  |   | Telescope downtime<br>Every Thursday (1st half)<br>One telescope      |