CHARA Community Access Experiment

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CHARA 2010 Annual Meeting

The Experiment

- Investigate and document community interest in access to optical interferometry
- Learn about cost and issues in support of visiting observers
- Announce a one-time offer of 50 hours of CHARA time through the NOAO TAC
- Time available in calendar 2010
- NOAO Sept 30, 2009, TAC call

Announcement from NOAO Newsletter

NOAO and Georgia State University are announcing a one-time opportunity for observations with the Center for High Angular Resolution Astronomy (CHARA) Array at Mt. Wilson Observatory. About 50 hours will be available during calendar year 2010. Observations will be carried out by CHARA staff. This is intended primarily for scientists who would benefit from a small amount of data and wish to gain experience with optical interferometry capabilities.

Requests should be submitted using the standard NOAO proposal form by selecting "CHARA" in the telescope and instrument lists, and with "nights requested" as a decimal assuming 10 hrs/night (e.g. 1.6 nights = 16 hours). Proposals must be submitted by the standard 2010A deadline of Sep 30 2009. Note that this one-time call covers all of calendar year 2010, as opposed to the six-month period of Feb-Jul 2010 for other resources in the 2010A proposal cycle.

Performance Communicated to Proposers

CHARA Performance Summary - no AO

Mode	Telescopes	Band	Typical limit Mag=	Best performance Mag=	At Spectral Resolution R=
Acquistion	2	V-R	10.0	12.0	Broad band
Tilt tracking	2	V-R	10.0	12.0	Broad band
CLASSIC	2	K band	7.0	8.5	Broad band
CLASSIC	2	H Band	6.5	8.0	Broad band
VEGA	2	1 band, 150nm 480-820	6.5	7.2	1700
MIRC	4	J-H	4.0	4.5	40

TAC Statistics

- 10 Proposals for 17.1 nights
- Oversubscription 3.5
- By instrument:
  - Classic 5
  - Vega 1
  - MIRC 4
- Recommended by TAC
  - 4 proposals, all Classic
  - Over-subscribed by about 20%

Approved Proposals

- Spring
  - M. Kishimoto - *Probing the innermost infrared emission in the brightest Type 1 AGN with the CHARA array* – 0.8 nts
  - S. Ragland - *Multi-color interferometric investigations of YSO disks* – 1.6 nts
- Fall
  - S. Csizmadia - *3D Orbits In The Hierarchical Triple System Lambda Tauri* – 1.6 nts
  - M. Simon - *Angular Diameters of Stars in the Beta Pic Moving Group* – 3 nts

Scheduling

- Proposals will be scheduled normally with specific nights
- Some CHARA time will be reserved as backup