

**Year:** 2020

**TITLE:**

**Principal Investigator (P.I.)** (name and email address):

**Co-Investigators** (names and email addresses):

### **Abstract of Scientific Justification** (100 words)

### Summary of Observing Facilities Requested

				Scheduling	Scheduling	
Telescope	Instrument	Nights	Moon Phase	Optimal Dates	Acceptable Dates	Sharing?

### Scheduling constraints and unusable dates:

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## Target List

Object Name	RA	DEC	Info: Magnitude, color, redshift, comments

### Graduate students

(If graduate students are listed as investigators, the advisor must email the TAC Chair to confirm general approval and also describe the specific role of the proposed research in each student's 2nd-year project and/or thesis.)

Student Name	Advisor Name	Advisor email	2 <sup>nd</sup> year Project?	PhD project?

### Scientific Justification

Give the scientific justification for the proposed observations. This section should consist of paragraphs of text followed by references and up to three figures and their captions. The page limit for this section is two pages of text + 1 of Figures and other supporting materials.

### Experimental Design & Technical Description

Describe your overall observational program. How will these observations contribute toward the accomplishment of the goals outlined in the science justification? If you've requested long-term status, justify why this is necessary for successful completion of the science. (up to one page)

### Summary of Time Requested and Awarded

The TAC needs to understand the scope of this project — (1) tell us how many UAO nights you've already had for this project, how many you request this time, and (a good guess of) how many you need to complete the project; (2) if a substantial amount of observing for this project comes from non-UAO telescopes, tell us about that observing, and how the UAO part fits in; (3) if you are collaborating with people who have telescopes, especially if you are part of a large collaboration, tell us who is leading the project, and how UAO time and your participation fit in. (up to one page)

### Previous Use of Steward Facilities

List all allocations of telescope time for the present project and allocations for other projects on facilities available through UAO during the past 2 years, together with the current status of the data (cite publications where appropriate). Mark those allocations related to the present proposal (*i.e.*, precede text with \related command). (up to one page)

### Other Information

Provide any additional program-related information including, for example, relation of current program to externally funded research, to the development of expanded capabilities for UA telescopes, or to individual timescales (*e.g.*, PI is finishing postdoc appointment and this request would complete program). (up to one page)