

**Title**:

**First author** (Affiliation):

**Co-authors** (Affiliations):

**Abstract** (science question and methodology summary) [up to 0.5 page]

**Science Justification**: [up to 2 pages]

Content to address:

* Broader context
* Science question
* Need for PRIMA
* Interpretation methods
* Link to testable hypotheses

If possible, 1 figure highlighting measurements or discovery space enabled by PRIMA

**Instruments and modes used**: [specify details relevant to the observations]

|  |  |  |  |
| --- | --- | --- | --- |
| FIRESS Spectrometer | | | |
| Pointed  High-res  (R~4400@ 112 microns) | Mapping  High-res  (R~4400@ 112 microns) | Pointed Low-res R~100 | Map  Low-res R~100 |
| [specify number of pointings] | [specify size (x,y in arcmin) and number of maps] | [specify number of pointings] | [specify size (x,y in arcmin) and number of maps] |

|  |  |  |
| --- | --- | --- |
| PRIMAger Imager | | |
| Mapping details | Hyperspectral band  (24-84 microns; R=8-10) | Polarimeter band  (96, 126, 172, 235 microns; R=4) |
| [specify size (x,y in arcmin) and number of maps] \* | [check if necessary to your science case] | [check if necessary to your science case] |
| If you selected Polarimeter Band, do you need polarimetry information? Yes/No | | |

\*note that the minimum usable map size is 10'x10'. For maps under <15'x15' (small maps mode), having both bands requires two distinct observations.

**Approximate integration time**, for each instrument mode. Estimation can be based on PRIMA ETC, or other method (please specify). Do not include overheads (slews, calibration, etc.)

**Special capabilities needed** (if applicable, e.g.: Non-sidereal targets, timing requirements, non-interruptible, special calibrations, position angle …)

**Synergies with other facilities**: (if applicable)

**Description of Observations** [up to 1 page]

Narrative of observational strategy

**References**

[Example for format]

Laskar, T., Berger, E., Zauderer, B. A., et al. 2013, ApJ, 776, 119