**Important Notice:**

By submitting this proposal, the PI takes full responsibility for the content of the proposal. The application must be submitted via **the on-line form by 11:59 on August 31, 2022 (noon Bangkok Time) ONLY.** Please consult the Call for Proposal (CfP) here <https://indico.narit.or.th/e/cfp_c10>

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| |  |  | | --- | --- | | General Information |  | |
| |  | | --- | | **Title**  Title of your TNO proposal |  |  | | --- | | **Abstract**  Abstract goes here, maximum 200 words |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Number of nights or hours (n or h)** | | | **Dark** | **Grey** | | | | **Bright** | | **Any** | **Total** | | | | | | |  | | | | | | | | i) request for this period | | | 0 | 0 | | | | 0 | | 0 | 0 | | | | | | | |  | | | | | | | | ii) already awarded to this project | | | |  |  | | | |  | | 0 | |  | | | | | | |  | | | | | | | | iii) still required to complete this project | | | |  |  | | | |  | | 0 | |  | | | | | | |  | | | | | | | | For the following choices, please refer to the Call for Proposals.  **Does this proposal qualify for the Junior Thai Researcher Program:** Yes  No  **Type:** Normal  Target of Opportunity  Fast Time Response  Director’s Discretionary Time  **Observing Mode:** Visitor at TNO  Remote from Chiang Mai | | | | | | | | | | | | | | |  | | | | | | |  | | | | | | | | **Preferred month(s):** | | | | | | | | | | | | | | |  | | | | | | |  | | | | | | | | **Target name** | **RA (hh:mm:ss)** | | **DEC (dd:mm:ss)** | | | **Mag. Limit** | | | | | **Instrument\*** | | |  | | | | | | |  | | | | | | | |  |  | |  | | |  | | | | |  | | |  | | | | | | |  | | | | | | | |  |  | |  | | |  | | | | |  | | |  | | | | | | |  | | | | | | | |  |  | |  | | |  | | | | |  | | |  | | | | | | |  | | | | | | | | **The observability of the targets for the proposed date(s) has been explicitly verified:** No  Yes | | | | | | | | | | | | | | |  | | | | | | |  | | | | | | | | **Principal Investigator** | | **Affiliation** | | | | | **Email** | | | |  | | | | | |  | | | | | | | **Contact number** | | | | | | |  | |  | | | | |  | | | |  | | | | | |  | | | | | | | 081-1111111 | | | | | | | **Co-investigators** | | **Affiliation** | | | | | **Observer** | | | | |  | | | |  | | | | | | | **Student** | | | | | | | |  | |  | | | | |  | | | | |  | | | |  | | | | | | | No | | | | | | | |  | |  | | | | |  | | | | |  | | | |  | | | | | | | Yes | | | | | | | |  | |  | | | | |  | | | | |  | | | |  | | | | | | |  | | | | | | |   **Is this proposal linked to a Master/PhD thesis? State name, academic year, and role of the student(s).**  Mr. Astro Student is a 3rd year PhD student whose thesis involve analysis TNO data. He is responsible for data reduction and analysis of … |

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| |  | | --- | | Description of the proposed project  *For section A) +B) +C), maximum 1500 words or approx. 2xA4 pages. Plots and images can be uploaded and inserted in the text up to 3 figures (file size must be < 1MB each). There are 7 sections (A - G) to be completed in total.* | |
| |  | | --- | | **A) Scientific Rationale:**  Give a full description of project scientific justification including any relevant figures and references.    **B) Observational Requirements:**  e.g. camera, filters, seeing, observing mode, photometric conditions, exposure time etc. needed in order to reach a required S/N level for the scientific analysis proposed in A)  **C) Previous allocation:**  if applicable, provide a brief summary of observations carried out with NARIT facilities related to this proposal, and their outcome | | **D) Justification of requested observing time and lunar phase:**  e.g. need to observe m objects x N exposures x T seconds/exposure to reach S/N over n nights. Make sure to include overheads, especially for non-standard calibrations or repeated telescope pointings.  **E)** **Strategy for data reduction and analysis:**  Publicly available software/pipeline or tailor-made software for any specific purposes including data management if relevant.  **F) Time constraints:**  Impossible nights/months due to astronomical reasons, any consecutive nights required, any global wide organized campaign requirement, source variability period issue.  **G) Applicant’s publications related to the subject of this proposal during the last 3 years (maximum 10 papers):** | |

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| Instrumentation[[1]](#footnote-1) |
| **TNT Imaging:** ARC 4k  ULTRASPEC  **TNO-1m Imaging:** Andor iKon-L  Finger Lake  **Filter(s):** |
| **TNT Spectroscopy:** MRES |
| **Visitor Instrument:** Please specify. It is highly recommended that the PI make a contact with OPD well in advance. |

1. Please see the CfP for the list of currently available instruments and their general specifications. [↑](#footnote-ref-1)