

Title: Example Format of a Proposal for the 40-m TNRT CfP in Cycle 1

1. Cover-Sheet

1-1. Author List

Name	PI?	Affiliation	E-mail	Student?
Example Exa	YES	National Research Institute	exa@hhh.hh	YES
Example Exam	NO	ABC University	exam@hhh.hh	NO
Example Examp	NO	DEF University	examp@hhh.hh	YES

1-2. Proposal Type

☒ Normal ☐ ToO ☐ Privilege for Students ☐ DDT

1-3. Objects

☒ Continuum ☐ Maser ☐ Thermal Line

1-4. Scanning Modes

☒ Single pointing ☐ Cross scan ☐ Raster scan

1-5. Total Request Time (please refer to the equation below): hours

Number of Epochs: epochs

Time per Epoch: hours/epoch

$$\text{Total Request Time}^* = \begin{cases} (\text{Total ON_source time}) \times 2.6, \text{ Line source} \\ (\text{Total ON_source time}) \times 3.4, \text{ Continuum source} \end{cases}$$

**Taking into account the time required for calibrations and overhead.*

1-6. Abstract (200 words at a maximum)

1-7. Special Requirement for Observation Date/Duration

2. Scientific Justification (within 2 pages)

2-1. Introduction

2-2. Objectives

2-3. Methodology

2-4. Expected Scientific Impact

References

3. Technical Justification (within 1 page)

Please explain the feasibility and the requirement of your proposed observation from a technical point of view (sensitivity calculations, integration time, frequency resolution, etc.).

3-1. Contributions to RSRO

(Please see the RSRO style and its criteria in more detail at the “Overview” of the CfP webpage)

If your proposal fits with the RSRO style in this cycle, here please identify the personnel who will be involved in the effort and which activities are interesting to the candidate. In addition, it is better to describe how their expertise will be helpful to address the critical priorities of the TNRT development relating to their proposal, and better to clarify the proposed dates of the residency as a reference for matching to the TNRT development/commissioning planning, for example via addressing activities below:

- Cooperate to adjust software and polish the pipeline up for data reduction/calibration.
- Documentation of adjustments.
- Joining operations.
- Feedback for commissioning.

4. Figures and Tables (within 2 pages)

5. Source List

Name	RA (J2000.0) [h m s]	Dec (J2000.0) [° ' '']	v_{rest} [GHz]	V_{peak} [km s ⁻¹]	F_{ν} [Jy]	Obs time [hours]	LST range (if specified)
G 23.99-0.10	18:35:23.49	-07:59:29.8	1.6654018	+68.2	3		
G 49.49-0.39	19:23:43.95	+14:30:34.5	1.6673590	+59.2	850		

Note. – Columns 1-3: target source name and the coordinates in J2000.0; column 4: rest frequency in the case of line emission observation; column 5: radial velocity of the peak emission for the source in LSR frame; column 6: expected flux density in at 1.4 and/or 1.65 GHz; columns 7, 8: requested observation time for the source with its LST range (if specified).

6. Privilege for Students

(If you are applicable and you request the proposal to be reviewed in this privilege)

(Please see the criteria more in “Privilege for Students” of the CfP web-page)

6-1. A letter of reference/consent from the applicant’s academic supervisor

(Please attach the letter with this proposal)

6-2. Motivation why you would like to apply for this privilege program

6-3. Collaborators/contact persons in NARIT and/or user support scientists