

Proposal for the MICROSCOPE data processing and interpretation

1. Cover letter:

Name:

Affiliation:

Contact information:

Proposal title:

2. Details of the proposal: context, objectives, foreseen activities...

3. *Scientific background and expertise of the applicant(s) in the relevant areas and possibly a list of selected papers;*

4. Organization for the data processing:

The proposer should consider two categories of cooperation with the MICROSCOPE Science Performance Group (SPG), headed by the PI and Co-PI in charge of the data processing, validation, archiving and delivery:

1. The proposer is able, after discussion with the MICROSCOPE team, to clearly define the mission data that are of specific interest and necessary for his analysis. In that case, the SPG performs the specific data processing (that must be already sufficiently explained in the proposal) by cooperating closely with the proposer's team and delivers to the proposer the required data useful for the proposed analysis. This delivery may happen during the mission timeframe, according to the needed data processing and to what has been already implemented;
2. The proposer needs only raw data and prefers to perform his own processing; this requires a first rough validation of the data by the SPG and could be considered by making measurement sequences according to the proposal objective (measurement types, duration and experimental conditions must be precised in the proposal).

In which category would you classify your proposal (this choice is indicative and could evolve after discussions with the SWG): case 1 or case 2?

Required data:

Which data are you interested in? From which instrument or equipment?

Which frequency bandwidth or frequencies are of peculiar interest?

Which sequence of the mission scenario is concerned?

Which specific satellite orientation is needed? Or spin?

Are you able to provide a formula from the measured accelerations or other data?