

Greetings from PI of EP mission:

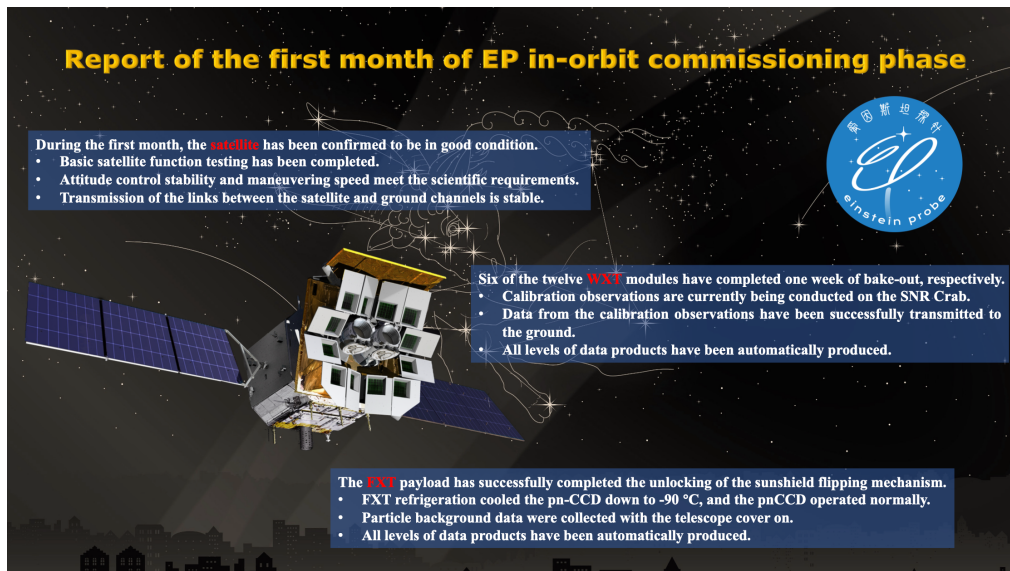
Greetings! Today of exactly one month ago, on January 9, the EP satellite was launched into space and started its voyage of discovery! As a happy coincidence, today we are also celebrating the Chinese New Year – the Year of the Loong! Above all, our EP team members and the broader community are eager to learn about the tests results and performance of the spacecraft and the instruments. Motivated by these considerations, we decided to publish this newsletter issue so as to update our readers with the most recent status of EP. Finally, I would like to take this opportunity to extend my best wishes for you all for a happy, healthy and fruitful new year!

Weimin Yuan
NAO, CAS

HIGHLIGHTS

EP Performs as Expected in First Month of the In-orbit Commissioning

Following the successful launch on January 9, 2024, the Einstein Probe mission has entered the in-orbit commissioning phase which is scheduled to last approximately five months. During the first month, the satellite has been confirmed to be in good condition. [read more](#)



Report of the first month of EP in-orbit commissioning phase

During the first month, the **satellite** has been confirmed to be in good condition.


- Basic satellite function testing has been completed.
- Attitude control stability and maneuvering speed meet the scientific requirements.
- Transmission of the links between the satellite and ground channels is stable.

Six of the twelve **WXT** modules have completed one week of bake-out, respectively.

- Calibration observations are currently being conducted on the SNR Crab.
- Data from the calibration observations have been successfully transmitted to the ground.
- All levels of data products have been automatically produced.

The **FXT** payload has successfully completed the unlocking of the sunshield flipping mechanism.

- FXT refrigeration cooled the pn-CCD down to -90°C , and the pnCCD operated normally.
- Particle background data were collected with the telescope cover on.
- All levels of data products have been automatically produced.



INTERVIEWS

To Ensure a Safe and Effective Flight

--An Interview with Dr. Chen Zhang, PI of WXT Mirror Assembly for EP

Editor's note: Dr. Chen Zhang works as a representative for the science team in the engineering work to make sure the instrument is meeting the preset scientific requirements. How challenging is it to build this payload? How the development is going? Let's hear what Dr. ZHANG would like to say on instrument calibration in a talk with BCAS staff reporter SONG Jianlan. [read more](#)

