



THOR Science Operations

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The science operations concept of THOR is based on further development of accumulated expertise operating and running the ongoing missions such as Cluster and MMS, as well as on planning of the future missions such as Solar Orbiter and JUICE. In the core of the THOR science operations is the selective downlink capability that will allow maximizing the science return by downloading the high-resolution data only from selected intervals along the orbit. Such an approach requires tight collaboration between the data processing and calibration, as well as data archiving. Here we discuss the critical parts of the THOR science operations, what are improvements in comparison to earlier missions, and how this will lead to increased scientific output from the mission.