



## French participation in THEMIS

THEMIS, a NASA mission, involves 5 small satellites coordinated in space. The launch is planned for February 15th, 2007. The University of California, Berkeley (UCB), coordinates the instrumentation and the data gathering.

CETP (Centre d'Etude des Environnements Terrestre et Planétaires, Velizy), a joint laboratory from the CNRS and the universities of "Versailles Saint-Quentin-en-Yvelines" and "Pierre et Marie Curie", has been solicited to provide one of the instruments installed on board of each of the five satellites : the magnetic search coil antennas which will measure the fluctuating magnetic fields in space.

CESR (Centre d'Etude Spatiale des Rayonnements, Toulouse), also a joint laboratory from the CNRS and the university "Paul Sabatier", will provide a data server mirroring the data server at UCB.

Both CETP and CESR will be actively involved in the scientific analysis of the results and their interpretation.

A french company, 3D Plus, provided THEMIS with extremely miniaturized pre-amplifier modules for the magnetometer's search coils and with the miniaturized 2 Gb SDRAM memory modules embedded in the Solid State Recorder equipment of the spacecraft.

**The french participation in THEMIS is supported by the CNES (Centre National d'Etudes Spatiales).**

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#### Communication

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### For more information

- [University of California, Berkeley website on THEMIS](#)
- [CNES' website on THEMIS](#)

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