

Universite des Sciences et Techniques de Mauku (USTM)/UNAVCO/IRIS/NASA Collaborative Effort to Utilize VSAT Technology for Remote Data Transfer (poster, 2001)

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UNIVERSITE DES SCIENCES ET TECHNIQUES DE MASUKU (USTM)/UNAVCO/IRIS/NASA COLLABORATIVE EFFORT TO UTILIZE VSAT TECHNOLOGY FOR REMOTE DATA TRANSFER

Collaborative Agencies Include: Universite des Sciences et Techniques de Masuku -
Franceville Gabon, UNAVCO, NASA, Incorporated Research Institutions for Seismology (IRIS)

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The Jet Propulsion Laboratory (JPL) and the University NAVSTAR Consortium (UNAVCO) Boulder Facility both on behalf of NASA collaborated with Incorporated Research Institutions for Seismology (IRIS) and Universite des Sciences et Techniques de Masuku (USTM) to utilize Very Small Aperture Terminal (VSAT) technology in the best interest of a multi-disciplinary science community. By integrating high accuracy GPS and meteorological sensors with seismic installations, researchers now have an opportunity to investigate geological and tectonic events using several data sets. It is our hope that the scientific value of data from collocated instruments will be greater than individual data sets in differing locations. In addition, the cost share reduces the fiscal burden of each organization without sacrificing science goals. VSAT technology is particularly suited to areas that lack commercial or private Internet but would otherwise be good candidates for providing sensor data, for reasons of geographic or geological uniqueness. For these locations VSAT is currently the only viable solution for real-time or near real-time data transfer.

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