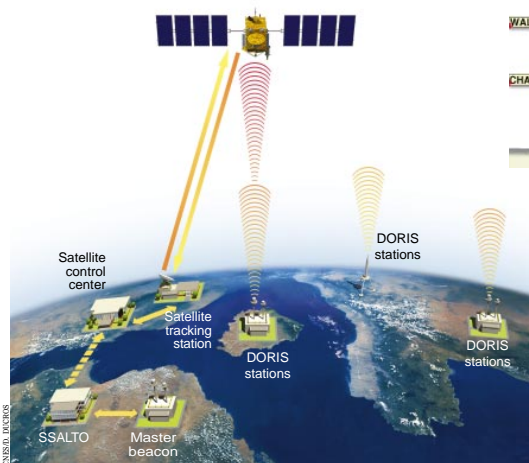


DORIS The space surveyor

The DORIS system has been key to the success of the TOPEX/POSEIDON mission. By providing the capability to calculate satellite trajectories and locate points on the ground with centimeter accuracy, DORIS has marked a major step forward for space oceanography.*



A network of 60 **DORIS ground stations** around the globe provides reference points for continuous tracking of satellite trajectories.



Satellites carrying a **DORIS** antenna receive radioelectric signals from the ground stations. Measurements are then processed onboard in real time and relayed periodically to **SSALTO**, the multi-mission altimetry, orbit determination, and location control center, which calculates the satellites' orbit to within one centimeter.



As more satellites carrying DORIS instruments are launched, the international scientific community will be able to measure the almost imperceptible movements of our planet.

(* Doppler Orbitography and Radiopositioning Integrated by Satellite).