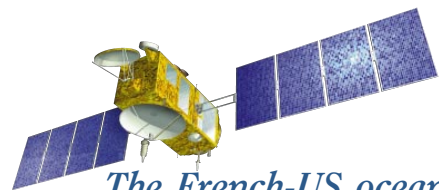


Observing the oceans from space

Jason-1 On the tracks of TOPEX/POSEIDON



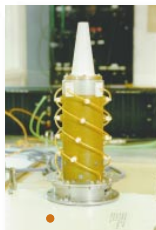
The French-US ocean-observing satellite Jason-1 is set to take over from TOPEX/POSEIDON in 2001. Five times lighter (at 500 kilograms) than its predecessor, thanks to more compact instruments offering equivalent performance, Jason-1 will provide data on sea surface height and sea state with the same accuracy as TOPEX/POSEIDON.

Radiometer (NASA/JPL). Measures atmospheric water vapour.

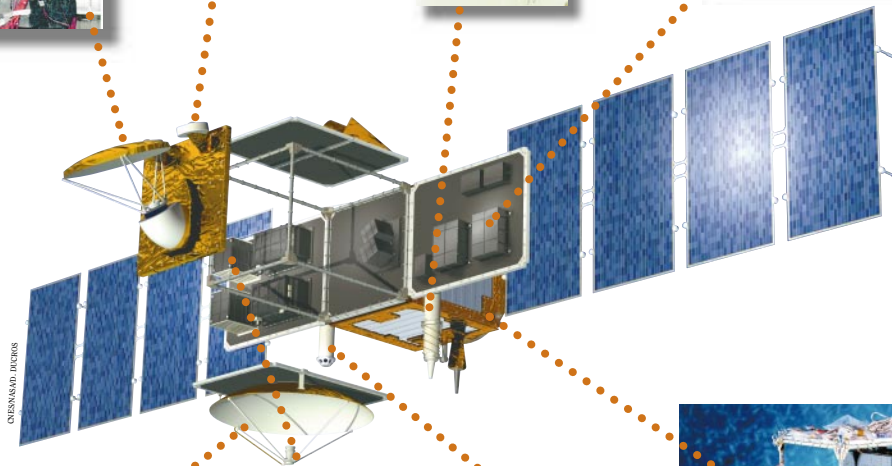


Turbo Rogue Space Receiver (NASA/JPL). Antenna that receives signals from GPS satellites to locate the satellite's orbital position precisely.

DORIS antenna (Starec). Receives signals from DORIS ground stations.



DORIS receiver unit (Detexis). Precise orbit determination system.

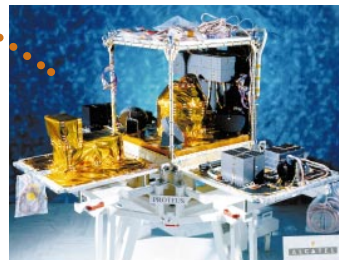


Altimeter antenna (ASPI). Transmits and receives radar altimeter signals at satellite nadir.



POSEIDON 2 altimeter processing unit (ASPI). Measures satellite-to-ocean range.

LRA (NASA/JPL). Laser retroreflector used for precise orbit determination.



PROTEUS multimission bus (ASPI/CNES). Reconfigurable bus for satellites weighing 300 to 500 kilograms.

Find out more at www-aviso.cnes.fr
topex-www.jpl.nasa.gov

