

DORIS System : the new age

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The first flight of a DGXX generation instrument on board Jason2 gives the opportunity to show the realised improvements.

The capacity to track up to 7 beacons simultaneously dramatically increases the number of available measurements, opening new doors for beacon positioning and ionosphere or troposphere studies.

Thanks to USO hardening process against radiation effect, the on board frequency is stable while the satellite is travelling through the South Atlantic Anomaly. This probably prepares DORIS/Jason2 to be an efficient contributor for positioning solutions.

The quality of the measurements performed by the DORIS/Jason2 instrument will be presented and new features of the DIODE Navigation on board Software will be outlined.

Moreover, the improvements done on the ground segment and DORIS signal monitoring will also be emphasized.