



Statistics on the dedicated GPS at tide gauge reanalysis of ULR for 1994-2012

Médéric Gravelle (1), Alvaro Santamaría-Gómez (2), Guy Wöppelmann (1), Mikaël Guichard (1), Elizabeth Prouteau (1), and Pascal Tiphaneau (1)

(1) LIENSS (Université de la Rochelle – CNRS), La Rochelle, France, (2) Instituto Geográfico Nacional, Yebes, Spain

The ULR analysis centre is participating to the IGS Repro2 campaign which aims at reanalysing worldwide GNSS data since 1994. The ULR has the particular aim of processing the densest network of GNSS stations nearby tide gauges whose data have been collected through the SONEL (www.sonel.org) data centre of the Global sea-level observing system (GLOSS). The resulting set of station coordinates and vertical velocity field have several geodetic and geophysical applications, such as the study of global and regional sea-level changes, the calibration of satellite radar altimeters or the unification of the national height systems. A particular emphasis will be given here to provide useful data on the latter application in the perspective of the next International Terrestrial Reference Frame (ITRF) realisation and contribution to a world height system.