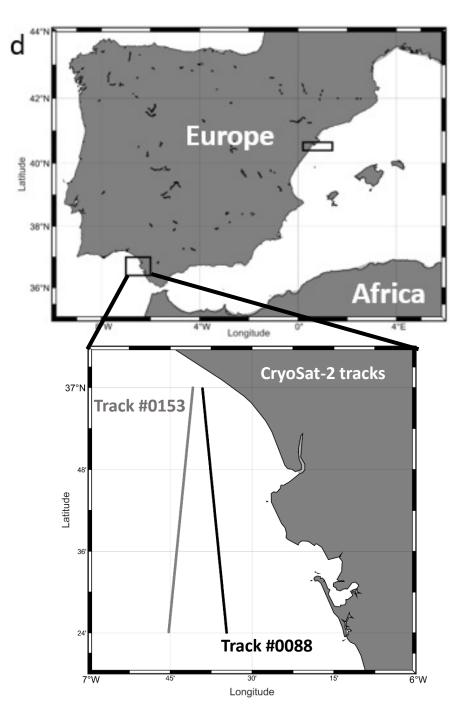
Lenses of freshwater in the estuary mouth of the Guadalquivir River (southwestern Spain) observed with CryoSat-2 data

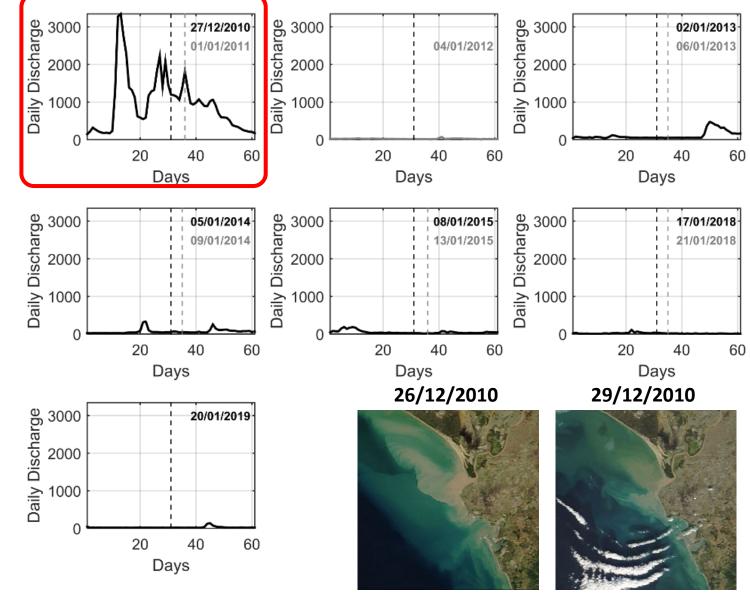


The Guadalquivir estuary as seen from the International Space Station (13<sup>th</sup> August 2010). Copyright: NASA.

Jesús Gómez-Enri. University of Cadiz. Spain

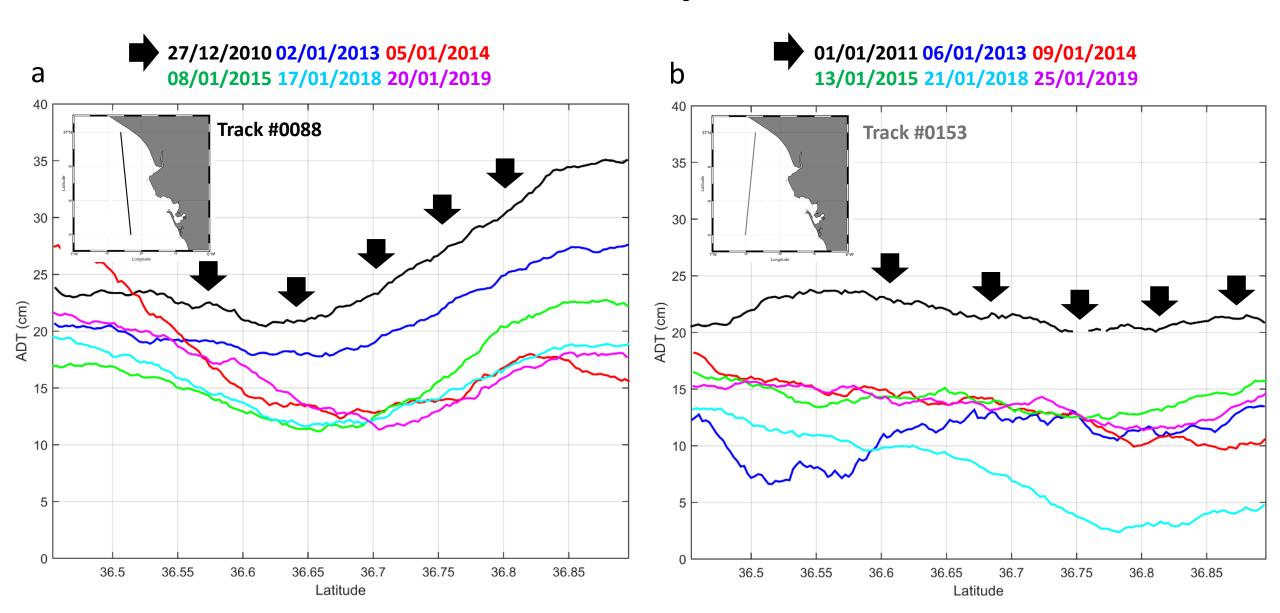


## Daily discharge (m<sup>3</sup>/s) (Guadalquivir River)



**RGB-MODIS optical images** 

## The challenge: Can we observe the lenses of freshwater using altimetry?



**Benefits of using altimeter data:** 

To validate hydrodynamical models To assimilate the data to these models Better knowledge of transitions zones and their hydrodinamics

