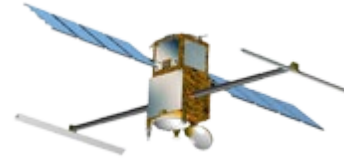


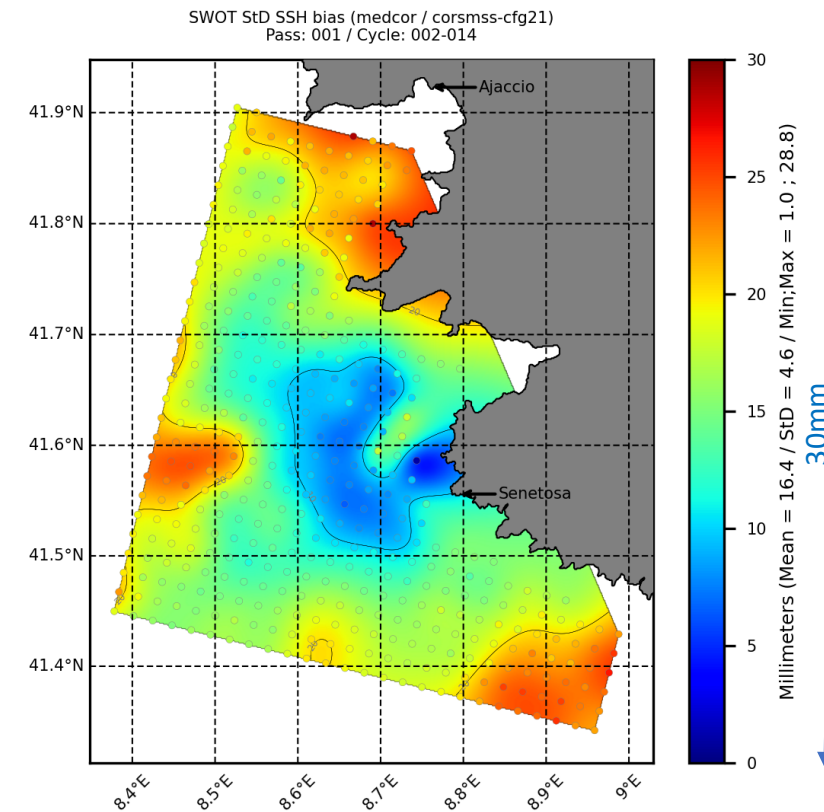
Main Outcomes from Corsica Facilities (FOAM(S) Team)



Full presentation available at: <https://share.obs-pm.fr/s/j5rPt2ECyz6bKqN>

- **SWOT KaRIn SSH bias (pass #001, LR Version C):**
 - Product “easy” to use with some basic altimetry skills
 - From cycle to cycle, the SWOT SSH bias is stable ($\sigma=16.4\text{mm}$) over the whole time series but shows some patterns that are probably located in areas with stronger “ocean dynamic” even if this region is known as having low dynamics
 - For comparison, our long-term historical of nadir altimeters (T/P, Jason, ...) shows a standard deviation of $\sim 30\text{mm}$
 - > SWOT is 2 times better (16.4mm) and over a very much larger area ($2000\text{km}^2 / \sim 80\text{km}^2$)
 - Small slopes over swath below $1\text{mm}/\text{km}$ ($1\mu\text{rad}$)
- **SWOT nadir altimeter SSH bias (pass #542):**
 - Mean SSH bias = -17mm / Standard deviation = 21mm . Very comparable to other POSEIDON altimeters and even better in standard deviation

SWOT σ SSH bias over cycles 002-014



New “who’s who” game:

We are somewhat at a such level that different means (space-based and in-situ), even if of comparable excellent precision, most probably do not measure physically exactly the same phenomenon.

We will learn a lot from each other.