

A few words about PIRATA...

The present network:

21 years old at now...

From 10 to 18 met-ocean buoys

From Atlas to T-Flex systems

3 ADCP equatorial moorings

Some additional sensors:

T/C at some sites

Full flux at some sites

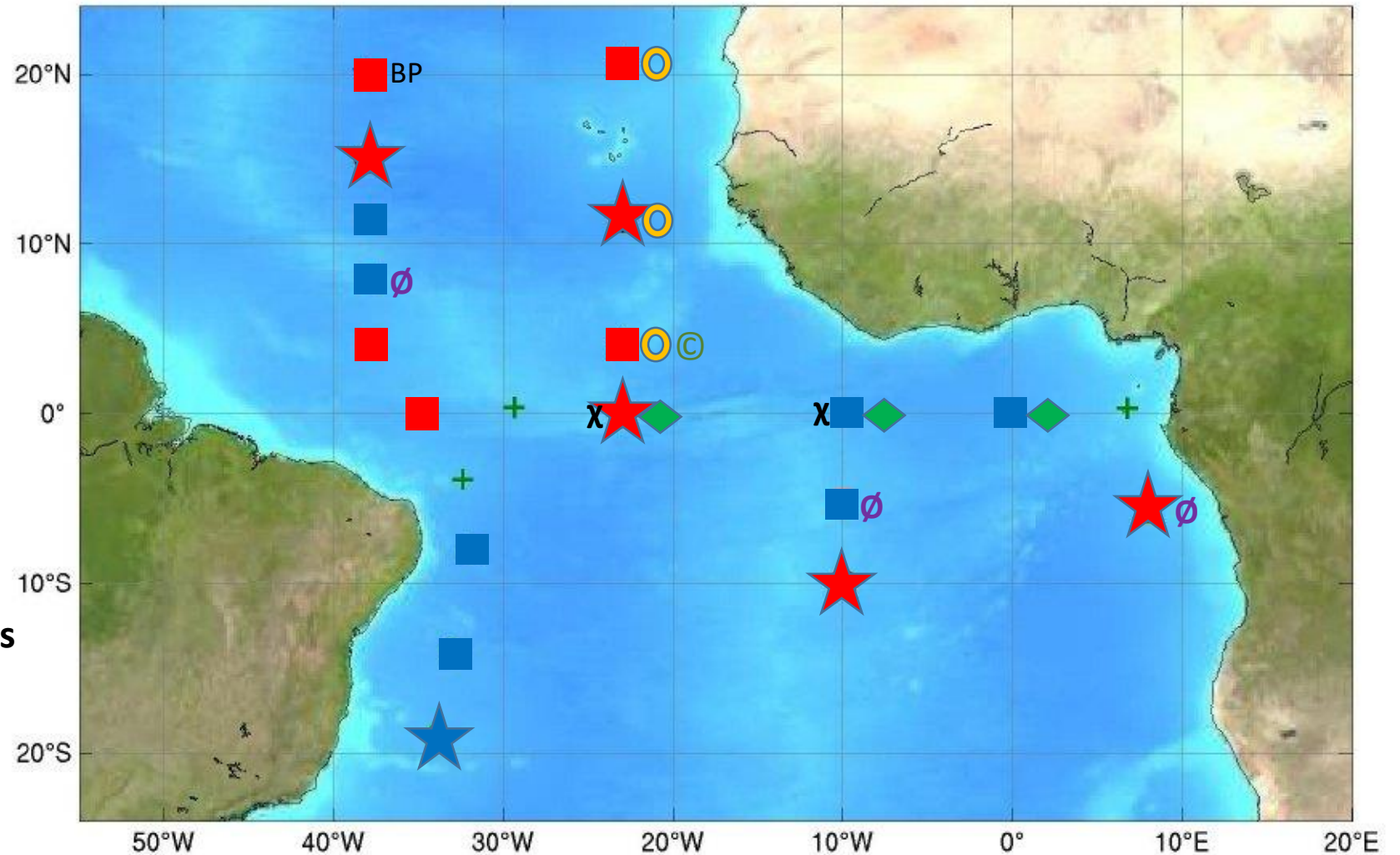
Currentmeter at some sites

CO₂ at 3 sites

O₂ at 3 sites

Turbulence (Xpods)

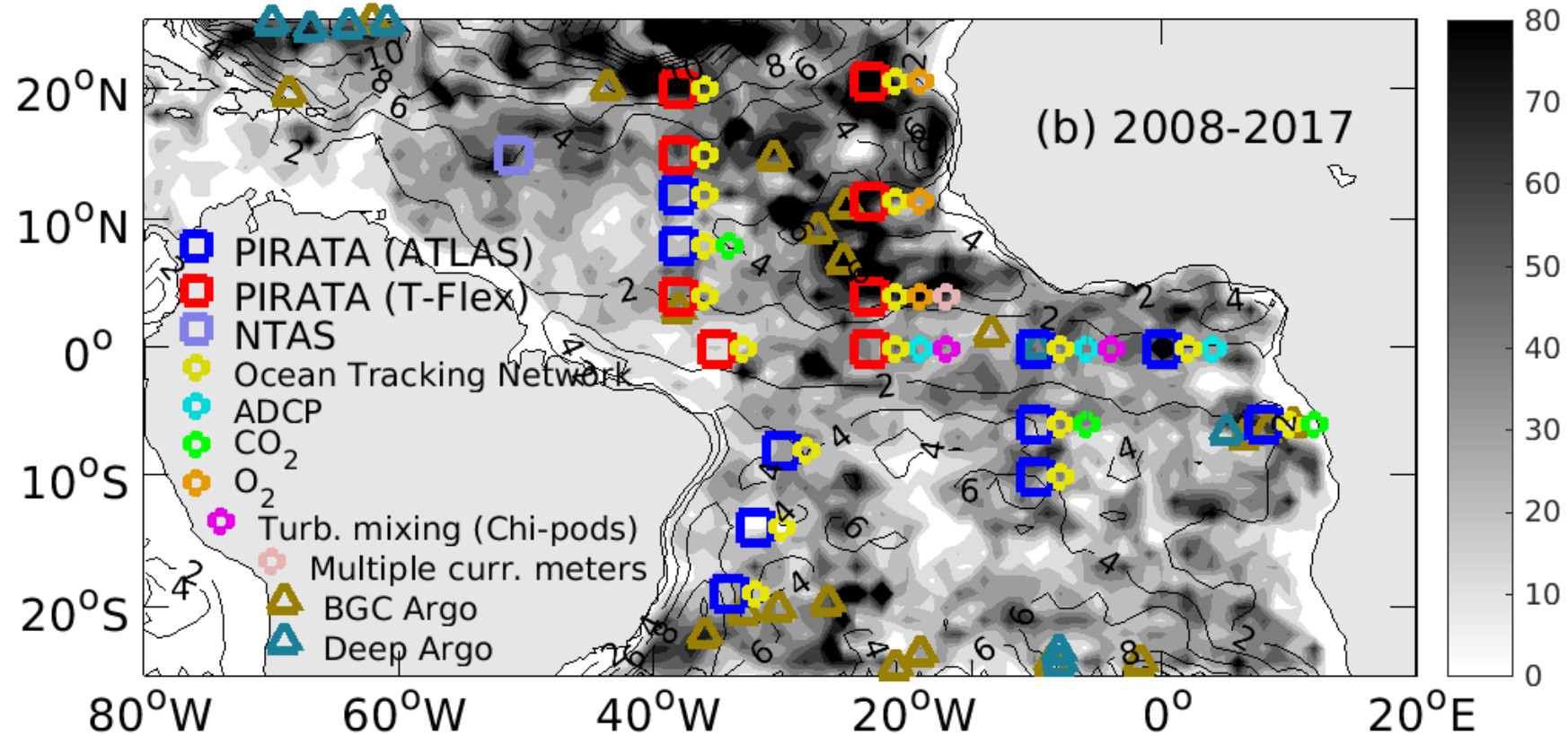
OTN



∅ : CO₂ sensor ○ : O₂ sensor ⊙ : Currentmeters χ : Turbulence sensors

BP : Barometric pressure sensor

PIRATA as a major component of the Tropical Atlantic Observing System...

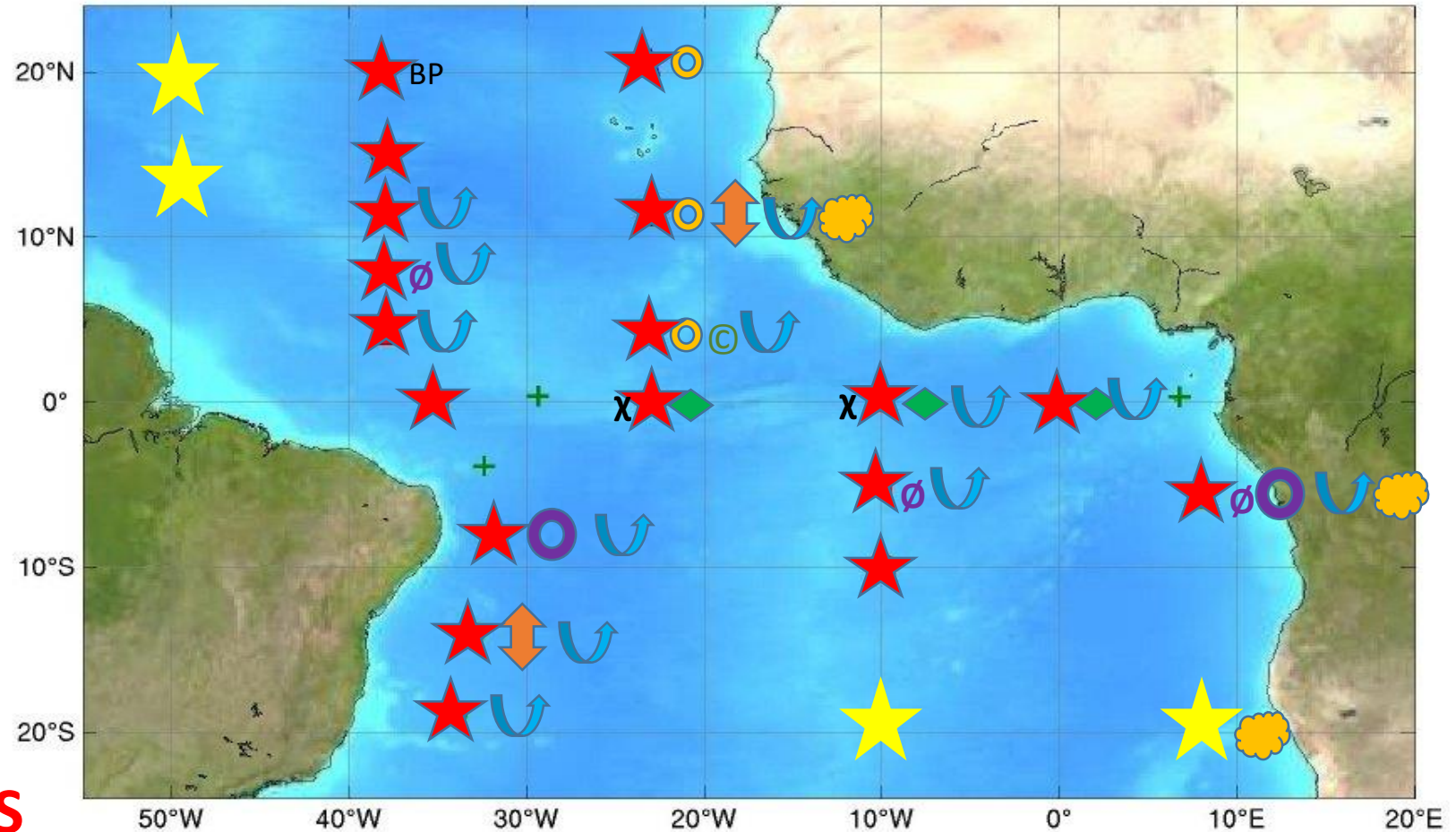


from Foltz et al., TAOS OO WP in prep.:

Key elements of the tropical Atlantic in situ observing system during 2008-2017. Gray shading represents the number of Argo profiles made in each 1° box. Contours show the average number of hourly surface drifter observations made in each 1° box per month.

What could be PIRATA in the future???

Adapted from the
PREFACE Deliverable 4.4
“Suggestion for a sustainable long
term monitoring system”
By B.Bourlès, P.Brandt & M.Dengler, 2018.



⇒ **IMPORTANCE of the TAOS**
2nd review meeting

★ : Potential additional Pirata moorings ↕ : CO₂ sensor ○ : O₂ sensor
↻ : T/C & current in the Mixed Layer 🌸 : Aerosols

All PIRATA buoys should be “full flux” equipped with T-Flex systems.