



## Global Ocean Surface Underway Data (GOSUD)

(last update 2016/01/05)

**GOSUD** aims at assembling in-situ observations of the world ocean surface collected by a variety of ships and at distributing quality controlled datasets.

Ship based underway measurements can make a significant contribution to the observation of the surface layer on condition that the datasets produced would be properly qualified and assembled. Water samples are of primary importance for the thermosalinometer data validation and adjustment.

Web site: <http://www.gosud.org/>

Contact: gosud@ifremer.fr

### Recommendations for taking the samples

#### Sampling frequency

One sample per day (at least). **Une bouteille par jour.**

If possible avoid periods of high salinity variability

**Il est préférable d'éviter les zones où la salinité change rapidement.**

#### Sampling method:

1 - Let the water flow from the thermosalinograph tap to get clean water.

**Laisser couler l'eau de mer du robinet**

2 - Rinse the bottle and its white plastic cap with seawater 3 times.

**Rincer 3 fois à l'eau de mer la bouteille et sa capsule plastique blanche (pas le bouchon).**

3 - Fill up the bottle - Let approximately 2 cm of air in the neck of the bottle.

**Remplir la bouteille d'eau de mer en laissant 2 cm d'air.**

4 - Close the bottle with the white plastic cap.

**Fermer la bouteille avec la capsule plastique blanche.**

5 - Rinse the closed bottle with fresh water

**Rinser la bouteille fermée à l'eau douce.**

6 - Screw on the bakelite cap (blue/black).

**Visser le bouchon en bakelyte (bleu/noir).**

#### Information

Fill in the 'Sampling sea water log sheet' corresponding line.

Remplir soigneusement la fiche de prélèvement

**Be careful to give the UTC date and time.**

**Attention utiliser l'heure UTC exclusivement**

#### Salinity Analysis

This column is to be filled by the salinity analyst in the laboratory.