

PREFACE Milestone Report

Milestone#: MS15

Milestone name: Mooring_1 ON OE

WP#: WP4

Lead beneficiary: IRD

Delivery date from annex I: 31.10.2015

Milestone achieved: YES

Comments:

This milestone regards the installation and servicing of an additional ADCP at a subsurface mooring located at 0°N-0°E. These additional subsurface velocity measurements are aimed to extend the observing system, which includes subsurface equatorial current meter moorings at 0°N-23°W and 0°N-10°W already maintained by PIRATA and SFB754, into the Gulf of Guinea. The deployment of a new ADCP mooring at 0°N-0°E was expected during the PIRATA FR24 cruise, carried out with the French R/V LE SUROIT in April-May 2014, but the deployment of this ADCP mooring could not be carried out (see MS10 report). After purchasing a new ADCP device in 2014-2015, the mooring should have been deployed during the PIRATA FR25 cruise in March-April 2015, but the deployment operation failed (see MS13 report).

During the PIRATA FR26 cruise (March 7th, - April 13rd, 2016), the ADCP mooring has been successfully deployed on April 4th, 2016 at 17h. Its position is: 00°00,217 N - 000°04,429 W. The bottom depth is 4923m. The ADCP is located at around 300m depth looking upward to monitor the Equatorial UnderCurrent. It should be replaced in 2018, but in 2017 if needed (and if possible, taking into consideration logistical issues) and wished by PREFACE partners.

Milestone 15 contributes to the WP4 objective 1, and to task 4.1 Monitoring equatorial Atlantic variability