FICHE META\_INFORMATION\_PARAMETRES

(à remplir par le responsable du paramètre)

### Nom du DATASET / Data SET NAME

*Data set Name (list of the measured parameters):*

Particulate Nitrogen (PN)

Particulate Phosphorus (PP)

### PROJET-ETUDE / *PROJECT TITLE*

*Campaign NAME*: AMOP *LEG: 1*

*Date* *begin: January 26th, 2014*

*Date end: February 22nd, 2014*

*Chief Scientist*: Aurélien PAULMIER, Boris DEWITTE, Véronique GARCON

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*Chief Mission*: Christophe MAES

*Address:*  Laboratoire d'Océanographie Physique et Spatiale (LOPS)

IFREMER -Centre de Brest

29280 PLOUZANE

### OPERATION *(if Relevant)*

*Sampling method:* Niskin bottles-rosette.

*Station number-Cast number:*

*Operation code:*

### RESPONSABLE SCIENTIFIQUE du paramètre / *PI of the parameter*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Nom /*name* | adresse / *address* | téléphone / *phone number* | fax /*fax number* | adresse mél /*email address* |
| Mireille Pujo-Pay | LOMIC UMR 7621 avenue du Fontaulé 66650 Banyuls/mer | 04 68 88 73 51 | 04 68 88 73 95 | pujopay@obs-banyuls.fr |

### DATASET contact

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
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### INFORMATION GEOGRAPHIQUES */ GEOGRAPHIC INFORMATION*

*Predefined site (if relevant):* Oxygen Minimum Zone (OMZ)

*Location:* Off Peru

*LATITUDE:* 7°50’S-14°34’S

*LONGITUDE:* 77°16’W-81°41’W

### DESCRIPTION DES INSTRUMENTS / INSTRUMENTS DESCRIPTION *(if Relevant)*

*Instrument Type:* Autoanalyseur

*Manufacturer:* Bran-Luebbe - SEAL

*Model:* AA-III HR

*Instrument Features / Calibration:* The slope of a calibration curve carried out withdeionised water. Deionised water is used for the baseline as reference zero nutrient.

### DESCRIPTION DES PARAMETRES */ PARAMETERS DESCRIPTION*

# Ce qui a été collecté, mesuré et comment / *How was the parameter collected and measured (include references for analytical methods)?*

*Sampling:* Samples were collected from Niskin bottles in calcinated Schott glass bottles. Samples were then filtered through combusted GF/F filter. The filters are put in calcinated glass tubes and dried in an oven at 60°C during 24 hours. Storage in a dessicator until the analysis.

*Analytical procedure : (briefly, could be a short recall to a published reference):*

Filters were transferred in 30ml Teflon vials. Following the addition of 20ml of deionised water and 2.5 ml of the oxidative reagent (boric acid + sodium hydroxide + potassium peroxodisulfate), samples were then heated at 120°C during 30 min. After cooling, the samples are filtered before analysis. The concentrationq of Particulate Nitrogen and Phosphorus were determined using continuous flow analysis (AAIII HR).

*Units:* µmol.L-1

*Sensor Precision:*

*Precision : The precision 2%, was the relative standard deviation obtained from 10 determinations (oxidation and colorimetric detection) of the same sample*

*Detection limit :* *0.02µmol/l*

 *Accuracy was determined by measuring certified standard CERTIPUR/Merck*

Décrire quels types de données sont nécessaires pour vous compléter votre propre jeu de données **avant** envoi à la base de données, et estimer le délai avant la disponibilité de vos données pour la base de données / *Post-cruise data analysis/treatment required, and the time frame for this*

*Estimated Date of Delivery :*

### REFERENCES BIBLIOGRAPHIQUES

Alain Aminot, Roger Kérouel : Dosage automatique des nutriments dans les eaux marines : méthodes en flux continu. Ed. Ifremer. 2007

Pujo-Pay, M., Conan, P., and Raimbault, P.: Particulate and dissolved organic nitrogen and phosphorus in the north western Mediterranean Sea (EROS 2000 - Discovery cruise 1993), edited by: Martin, J. M., and Barth, H., 79-86, 1995.