FICHE META\_INFORMATION\_PARAMETRES

(à remplir par le responsable du paramètre)



1. Nom du DATASET / Data SET NAME

*Data set Name :* DIP uptake (PPr)

DIC uptake (CPr)

1. PROJET-ETUDE / *PROJECT TITLE* & Chefs de projet et mission / PIs

*Campaign NAME* : OUTPACE *LEG :*

*Date* *begin : 18/02/2015*

*Date end : 03/04/2015*

*Chiefs Scientist*: Thierry Moutin & Sophie Bonnet

*Address :* *M.I.O. Institut Méditerranéen d’Océanologie - UMR 7294   
OSU Institut Pythéas, Campus de Luminy, Bâtiment Méditerranée   
13288 MARSEILLE cedex 09, FRANCE*

& *M.I.O. Institut Méditerranéen d’Océanologie - IRD/CNRS/Aix-Marseille University*

*IRD Noumea, 101 Promenade R. Laroque, BP A5, 98 848 Nouméa Cedex*

*NEW CALEDONIA*

*Chief Mission*: Thierry Moutin

*Address : M.I.O. Institut Méditerranéen d’Océanologie - UMR 7294   
OSU Institut Pythéas, Campus de Luminy, Bâtiment Méditerranée   
13288 MARSEILLE cedex 09, France*

1. ECHANTILLONNAGE ET OPERATIONS A LA MER / SAMPLING METHOD AND OPERATIONS AT SEA

*Sampling method :* Rosette sampling + on desk incubation

*Station number-Cast number :*

|  |  |
| --- | --- |
| Station Number | Sampled Cast Number |
| SD 1 | OUT-005 |
| SD 2 | OUT-009 |
| SD 3 | OUT-018 |
| LDA – D5 | OUT-060 |
| SD 4 | OUT-069 |
| SD 5 | OUT-073 |
| SD 6 | OUT-077 |
| SD 7 | OUT-081 |
| SD 8 | OUT-085 |
| SD 9 | OUT-089 |
| SD 10 | OUT-093 |
| SD 11 | OUT-097 |
| SD 12 | OUT-101 |
| LD B – D5 | OUT-144 |
| SD 13 | OUT-152 |
| LD C – D5 | OUT-192 |
| SD 14 | OUT-208 |
| SD 15 | OUT-211 |

*Operation code :* **PPr & CPr**

1. RESPONSABLE SCIENTIFIQUE du paramètre / *PI of the parameter*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1. Nom /   *name* | 1. adresse / 2. *address* | 1. téléphone / 2. *phone number* | 1. fax / 2. *fax number* | 1. adresse mél / 2. *email address* |
| 1. **MOUTIN** | Institut Méditerranéen d’Océanologie (MIO) - UM 110  OSU-Pytheas CNRS - AMU - IRD - USTV  Batiment 26M  **13288 Marseille Cedex 09 - FRANCE** | **+33-(0)4-86-09-05-71** |  | thierry.moutin@mio.osupytheas.fr |

Remarque / Remark : Pour la pérennité de la base de données, il est fortement suggéré que le responsable scientifique ait un poste permanent / For the perinity of the database, it is recommended that the PI of the parameter has a permanent position.

1. Contact Base de données pour ce paramètre / DATASET contact for this parameter

Remarque / Remark : Pour la pérennité de la base de données, il est fortement suggéré que le contact base de donnée ait un poste permanent / For the perinity of the database, it is recommended that the dataset contact for this parameter has a permanent position.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1. Nom /   *name* | 1. adresse / 2. *address* | 1. téléphone / *phone number* | 1. fax / 2. *fax number* | 1. adresse mél / 2. *email address* |
| 1. MOUTIN | Institut Méditerranéen d’Océanologie (MIO) - UM 110  OSU-Pytheas CNRS - AMU - IRD - USTV  Batiment 26M  **13288 Marseille Cedex 09 - FRANCE** | **+33-(0)4-86-09-05-71** |  | 1. thierry.moutin@mio.osupytheas.fr |

1. Autre(s) participant(s) à la mesure de ce paramètre / Other participant(s) for the measurement of this parameter

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1. Nom /   *name* | 1. adresse / 2. *address* | 1. téléphone / *phone number* | 1. role | 1. adresse mél / 2. *email address* |
| 1. GIMENEZ | Institut Méditerranéen d’Océanologie (MIO) - UM 110  OSU-Pytheas CNRS - AMU - IRD - USTV  Batiment 26M  **13288 Marseille Cedex 09 - FRANCE** | **+33-(0)4-86-09-05-62** | 1. **Sampling +** 2. **analysis** | 1. audrey.gimenez@mio.osupytheas.fr |
|  |  |  |  |  |
|  |  |  |  |  |

1. INFORMATION GEOGRAPHIQUES */ GEOGRAPHIC INFORMATION*

*Predefined site (if relevant):*

*Location: South Pacific Ocean*

*LATITUDE: S 17° - S 23°*

*LONGITUDE: E 159° – W 149°*

1. DESCRIPTION DES INSTRUMENTS / INSTRUMENTS DESCRIPTION

*Instrument Type: Not applicable*

*Manufacturer:Not applicable*

*Model: Not applicable*

*Instrument Features / Calibration:Not applicable*

1. DESCRIPTION DES PARAMETRES */ PARAMETERS DESCRIPTION*
   1. Ce qui a été collecté, mesuré et comment / *How was the parameter collected and measured (include references for analytical methods)?*

*Sampling: 150* ml of seawater was sampled in Polycarbonate bottles in order to realize 50 ml triplicates at 9 depths at each short duration station and on day 5 during long duration stations.

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

Dual labelling method to mesure both carbon and phosphate uptake. Bottles were spiked with 10 µCi of 14C-Carbon and 4µCi of 33P-Phosphate before placing in the desk incubators*.* After the incubation, each sample was filtered on polycarbonate membrane (0,2, 0,6, 2 µm) at 200 mbar, the latter was then stored in 5 ml scintillation vials with 500 µl of HCl for 12 hours (in order to drive off any unincorporated 14C). 5 ml of Ultimagold scintillation cocktail is then added before the first count to measure the DIP uptake. Samples are then stored until the second count, when all the 33P will decay, to only determine the 14C activity (Duhamel et al. 2006)

*Units:*

*Sensor Precision:*

* 1. 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 :* First trimester of 2016

Needs: PO4, Particulate organic matter

1. REFERENCES BIBLIOGRAPHIQUES

Duhamel, S., Zeman, F., Moutin, T. (2006). Dual-labeling method for the simultaneous measurement of dissolved inorganic carbon and phosphate uptake by marine planktonic species. Limnology and Oceanography :Methods. 416-425.