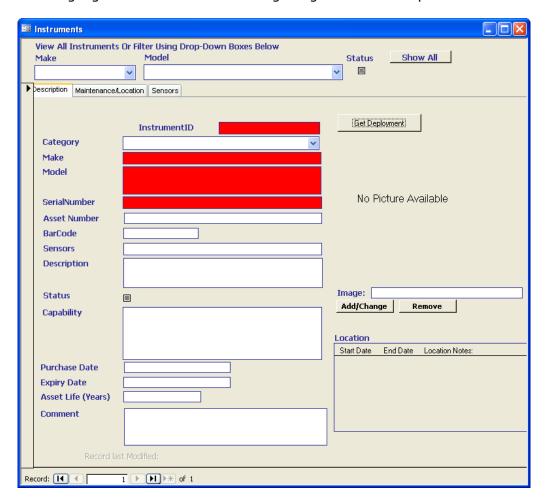
# **IMOS Deployment Database and Matlab Toolbox 1.0**

Suggested metadata conventions

This document outlines conventions that should be followed when inserting deployment metadata into the deployment database. The intent of these conventions is to ease the process of generating IMOS compliant NetCDF files using the matlab toolbox. Most conventions are self explanatory, but are included for completeness.

#### **Instruments**

The fields highlighted in red in the following image must be completed:



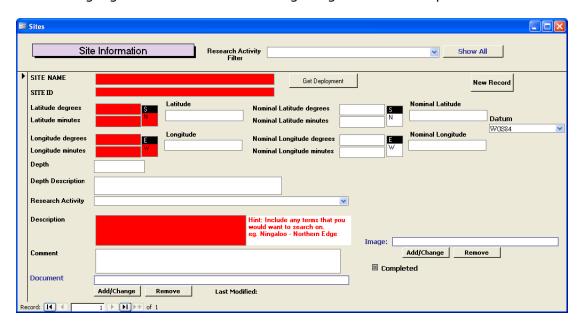
Suggested conventions for entering data into the Instruments table are as follows:

Field	Convention	Example
InstrumentID	A locally unique identifier	SBE37-5073
Make	Instrument make	SEABIRD
Model	Instrument model	SBE37-IMP
SerialNumber	Instrument serial number	5073

Of particular importance is to be consistent when entering the instrument make and model. These fields are used by the matlab toolbox to automatically determine how to import data. For example, all Seabird instruments should be given a make of 'Seabird' or 'SEABIRD'. Exactly what you decide is not important, as long as you follow the same conventions every time for instruments of the same type.

#### **Sites**

The fields highlighted in red in the following image must be completed:



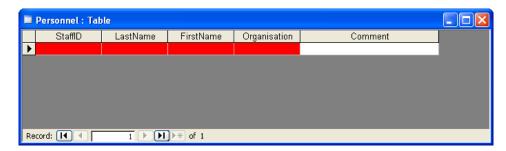
Suggested conventions for entering metadata into the Sites table are as follows:

Field	Convention	Example
Site Name	The site's IMOS Platform Code, and	NRSMAI Maria Island
	a brief, optional description	Reference Station
Site ID	A locally unique, meaningful	MAI_0809
	identifier	
Latitude	Site latitude	42', 94.3" S
Longitude	Site longitude	148', 38.44" E
Description	A meaningful description of the site	Maria Island Reference Station
		Station

Ensuring that the Site Name contains the IMOS platform code will make population of the NetCDF metadata, and correct creation of IMOS compliant file names easier. Put as much descriptive information into the Description field as possible.

### **Personnel**

The fields highlighted in red in the following image must be completed:

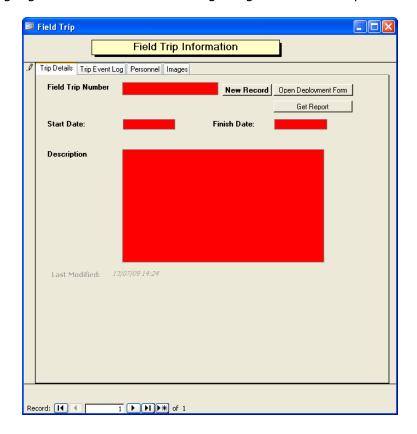


Suggested conventions for entering data into the Personnel table are as follows:

FieldConventionExampleStaffIDA locally unique identifierPAUL\_MCCA\_CSIROLastNameLast nameMcCarthyFirstNameFirst NamePaulOrganisationOrganisationCSIRO

# **FieldTrip**

The fields highlighted in red in the following image must be completed:



Suggested conventions for entering data into the FieldTrip table are as follows:

Field Convention Example
Field Trip Number A locally unique identifier 2432
Start Date Field trip start date 29/1/2009
End Date Field trip end date 7/2/2009

Description A magningful description Turnaround of

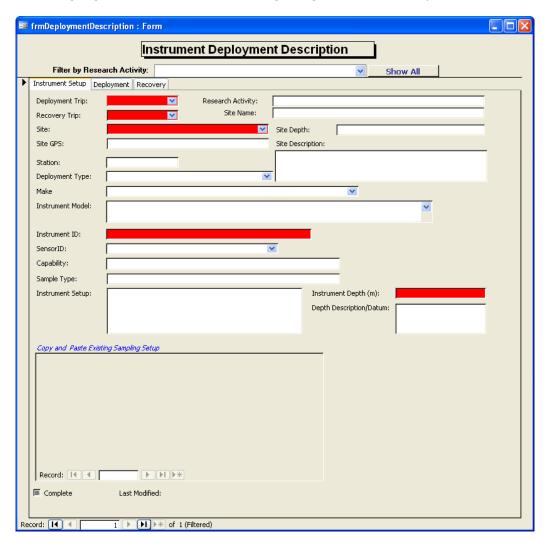
Description A meaningful description Turnaround of moorings off

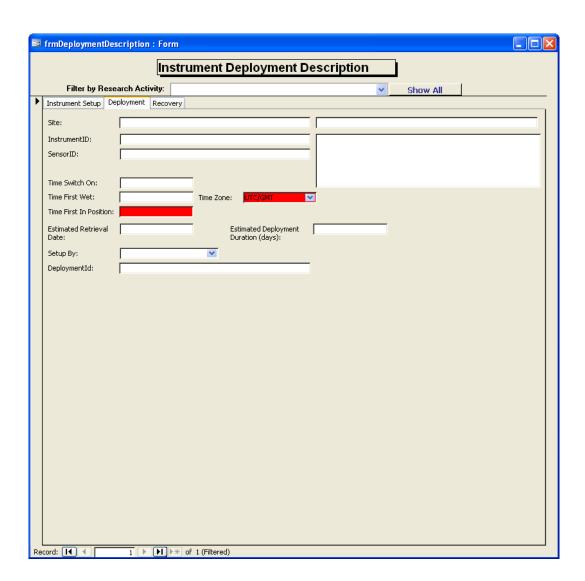
Maria Island

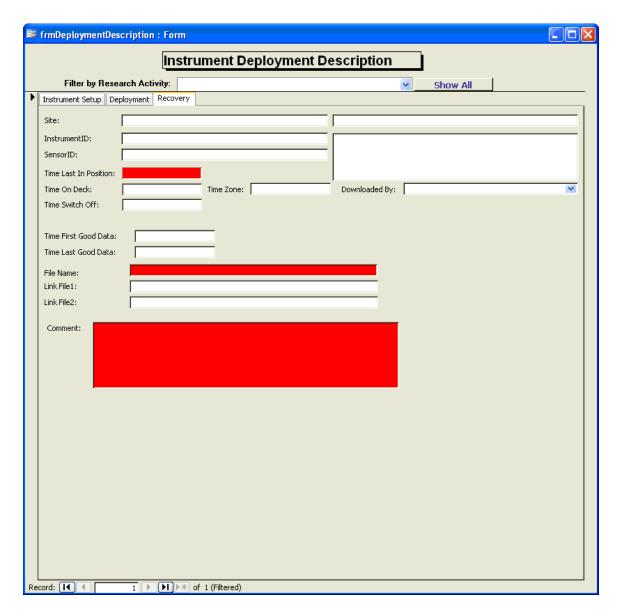
Note that the Field Trip Number will likely be changed to a text based field in a future release of the Deployment Database.

## **DeploymentData**

The fields highlighted in red in the following images must be completed:







Suggested conventions for entering data into the DeploymentData table are as follows:

Field	Convention	Example
Deployment Trip	ID of field trip on which the instrument was deployed	1320
Recovery Trip	ID of field trip on which the instrument was recovered	2348
Site	ID of site at which the instrument was deployed	MAI_0809
Instrument ID	ID of the instrument	SBE37-5073
Instrument Depth	Depth of the instrument (metres below sea level)	23.5
Time First In Position	Time that the instrument was first in position	25/01/2009 07:34:21
Time Zone	Time zone of instrument clock (Ideally UTC)	UTC

Time Last In Position Time that the instrument was 30/03/2009 15:23:01

last in position

File Name Name of downloaded file 30035073.asc

(space separated list if more

than one file)

Comment Meaningful comment about CTD logger deployed for 2

deployment months at Maria Island. No major problems while

recovering data.

The File Name field is of particular importance, as it is used by the matlab toolbox to automatically find raw data files for a given deployment. Filling in this field will simplify the data import process. The matlab toolbox (version 1.0) does not have any capability to adjust timestamps to UTC, so the times entered here are the times which go into the metadata. Thus, setting the instrument clock to UTC, and entering metadata timestamps in UTC is strongly recommended.