

ARTOA 3 Installation Instructions

ARTOA3 is a set of programs written in Matlab, and meant to be run under Matlab Release 14 (7.*, SP2). This code originated with Martin Menzel, went to Olaf Boebel, and now resides at WHOI.

In addition to the basic Matlab, you will need to install the spline toolbox, which comes with the Matlab software. Also, to view bathymetry, you must install a NetCDF toolbox which is available as freeware from: <http://mexcdf.sourceforge.net/> or http://woodshole.er.usgs.gov/staffpages/cdenham/public_html/MexCDF/nc4ml5.html.

The ARTOA3 zip-file contains five directories: /artoa_3_working, /bathy, /hydro, /mercator, and /samples. The Hydrographic Toolbox v1.4 (/hydro) was written by Rich Pawlowicz (WHOI), and the Mercator routines (/mercator) were written by Wolfgang Erasmi (IfM Kiel). All must be placed in the same directory, which can be named ARTOA3. Add all directories except /samples to your Matlab path. The /samples directory contains sample data.

Configuring

The next 3 steps are

- 1) edit the configuration file (*.ini) -> see manual
- 2) setup your sound source file (soso.dat) -> see manual
- 3) setup your float parameter file (float.dat) -> see manual

Now start the program with the inifile as parameter:

```
>> artoa('-i',[your inifile])
```

ex:

```
>> artoa('-i','eurofloat.ini')
```

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