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<td>1.0</td>
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1 Introduction

This document is the Argo GDAC cook-book.

It contains the detail of implementation of the GDAC services.
2 Detailed specification of GDAC services

2.1 GDAC patch to upgrade an Argo profile file to format version 3.0

Specification
Parameters: the profile file long name (includes the path).

Description
- If FORMAT_VERSION = 3.0 then ignore the file
- If FORMAT_VERSION <> 3.0 :
  - Change FORMAT_VERSION to 3.0
  - Add a variable VERTICAL_SAMPLING_SCHEME = “Argo CTD sampling”
  - If FORMAT_VERSION is equal to 2.2 : rename the variable CALIBRATION_DATE into SCIENTIFIC_CALIB_DATE
  - Set the variable DATE_UPDATE to the current data.
  - Add the file global attributes

Use cases for the patch

Transition to merged profile files version 3.0 on GDAC

Coriolis DAC and US GDAC moved to 3.0 merged files on May 22\textsuperscript{nd}
The patch has to be applied once on all the old merged files of the GDACs: dac, geo.

The latest\_data will not be patched; by June 22\textsuperscript{nd}, all old format files will have disappeared.

Transition to cycle profile files 3.0 by an individual DAC

When an individual DAC start providing profile files in format 3.0, its existing profile files that are still in version 2.2 or 2.3 are upgraded to 3.0 by one GDAC only. The other GDAC receives the files through synchronization.
The application of the patch by one GDAC only ensures that the update date of the files is identical on both GDACs.

The patch is applied to all the cycle profile files that have a DATE\_UPDATE variable older than the date of transition to V3.0.

Remark: when a DAC starts providing profile in version 3.0, the file format checker will refuse the files with a previous format version from that DAC.