

BUFR Convertor

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Status

- UK Met Office commissioned a python-based Argo netcdf to BUFR convertor
- Been tested at BODC since August without fail (1644 conversions made)
- Run on a 6 hourly schedule with between 15 and 27 messages converted daily
- After further testing, code should become operational in January 2018
- Will stop JMA perl BUFR convertor tool at that point

Capabilities

- Can handle ascending and descending profiles
- Can be easily expanded to include
 - secondary T or T/S profiles (Spring 2018)
 - Oxygen (Summer 2018)
 - Other BGC parameters (chlorophyll-A fluorescence, dissolved nitrate, pH and backscatter) (later in 2018)

Sharing with other DACs

- After converter tool is operational, the plan is to share this tool with other DACs
- Current converter is in Python 2.7 (due to operational constraints)
- Working copy in Python 3.5, but limited testing has been performed