

ecCodes version 0.12.0 released



Please note that this is still a beta release and any feedback from early users is very welcome

Downloadable from our [Releases](#) page.

Changes for Version 0.12.0

- [BUFR encoding](#)
- [New examples](#)
- [Changed access by rank](#)

New Features/Improvements

- [\[ECC-128\]](#) - Implement encoding of unexpandedDescriptors
- [\[ECC-137\]](#) - Change syntax of keys for access by rank
- [\[ECC-133\]](#) - Decode and re-encode a BUFR message
- [\[ECC-150\]](#) - Implement codes_set for elements in BUFR data section
- [\[ECC-158\]](#) - Change internal representation and encoding of strings in BUFR
- [\[ECC-162\]](#) - bufr_filter is printing double precision values with %g. Not enough in some cases.
- [\[ECC-171\]](#) - Make users aware of the change of CODES_MISSING_LONG
- [\[ECC-185\]](#) - Implement the concept for bufrTemplate
- [\[ECC-186\]](#) - Put content in the BUFRTemplate.def file
- [\[ECC-187\]](#) - Document bufrTemplate key on the wiki
- [\[ECC-53\]](#) - Make bufr subsets accessible in the API
- [\[ECC-84\]](#) - Fix spelling errors in BUFR key names
- [\[ECC-141\]](#) - Return an array of strings after decoding similar to BUFRDC
- [\[ECC-149\]](#) - Setting unexpandedDescriptors without changing data section
- [\[ECC-109\]](#) - Example for Tropical cyclones
- [\[ECC-138\]](#) - Examples for bufr_filter have disappeared
- [\[ECC-148\]](#) - New test for bufr_compare
- [\[ECC-169\]](#) - wiki changes for 0.12.0 release
- [\[ECC-175\]](#) - Create separate confluence page for tools examples
- [\[ECC-176\]](#) - Update bufr tables in confluence for 0.12.0 release
- [\[ECC-184\]](#) - Create python example to read CSV and encode BUFR
- [\[ECC-188\]](#) - PEP8ify Python examples

Bug Fixes

- [\[ECC-126\]](#) - eccodes can't decode E-AMDAR data from GTS
- [\[ECC-129\]](#) - allocating before calling codes_get in fortran does not work
- [\[ECC-134\]](#) - Case-sensitivity of codetable keys
- [\[ECC-135\]](#) - Test fails when floating point exceptions are enabled
- [\[ECC-140\]](#) - Search by condition does not work in some situations
- [\[ECC-144\]](#) - Performance: ecCodes should be as fast as grib api
- [\[ECC-147\]](#) - keys_iterator does not iterate on BUFR data keys
- [\[ECC-152\]](#) - Crash: Calling python codes_set_array() instead of codes_set_double_array()
- [\[ECC-154\]](#) - Python module installs as "grib_api/gribapi.py" instead of "gribapi/__init__.py".
- [\[ECC-155\]](#) - Crash: calling codes_dump from Fortran
- [\[ECC-156\]](#) - CMake: Does not find Jasper (Ubuntu)
- [\[ECC-160\]](#) - ecCodes 0.11.0 and FM35_BUFR sounding data
- [\[ECC-163\]](#) - Valgrind error: running the test bufr_filter.sh
- [\[ECC-167\]](#) - codes_get_X does not search by condition and rank
- [\[ECC-170\]](#) - CODES_MISSING_DOUBLE and CODES_MISSING_LONG not in fortran
- [\[ECC-172\]](#) - attributes not working in search by condition
- [\[ECC-177\]](#) - Valgrind error in search_from_accessors_list: Invalid read
- [\[ECC-180\]](#) - Test failure with cray intel compiler: bufr_subset.sh