

ecCodes version 2.6.0 released

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Changes for Version 2.6.0

New Features/Improvements

- [\[ECC-567\]](#) - codes_split_file tool
A new tool has been added. It splits an input file (GRIB, BUFR etc) into chunks of roughly the same size. Very useful for parallelising operations where a large task is split into smaller ones which can be run on different processes.
See [codes_split_file](#)
- [\[ECC-592\]](#) - Update BUFR tables with the latest WMO version 29
Note: Some keys have been renamed as a result of this change:

New name (from version 29)	Old name
verticalSoundingProductQualifier	tovsOrAtovsProductQualifier
bandwidthCorrectionCoefficient1	bandwidthCorrectionCoefficient1ForAtovs
bandwidthCorrectionCoefficient2	bandwidthCorrectionCoefficient2ForAtovs

- [\[ECC-584\]](#) - Update GRIB2 definitions with the latest WMO V20.0.0 code tables/templates
- [\[ECC-549\]](#) - Create MARS stream for GRIB EFAS data
- [\[ECC-555\]](#) - Add verificationYear, monthlyVerificationYear, verificationMonth, monthlyVerificationMonth for monthly streams
- [\[ECC-477\]](#) - Redundant error message changing packing from CCSDS to grid_simple
- [\[ECC-547\]](#) - Add WMO definition to 2 wave parameters and rename them
- [\[ECC-571\]](#) - DWD: corrections to edzw local definitions (newer)
- [\[ECC-574\]](#) - Update MARS stream descriptions for esmm and ehmm
- [\[ECC-575\]](#) - Add new GRIB fields for lightning
- [\[ECC-577\]](#) - Add localYear, localMonth, localDay, localHour, localMinute and localSecond to bufr_dump
- [\[ECC-578\]](#) - Long names of GRIB parameters 210007-210010 (aermr07-10) are incorrect
- [\[ECC-580\]](#) - Change of parameter name and units: 210064 and 210065
- [\[ECC-581\]](#) - Tables 172 and 173: rename parameters and assign shortnames
- [\[ECC-583\]](#) - Two new parameters: Water Vapour Flux and Water Vapour Flux Index
- [\[ECC-585\]](#) - Add parameter for 'Fraction of snow cover' with units 'Proportion'

Bug Fixes

- [\[ECC-594\]](#) - Assertion failed: 'ktype == GRIB_TYPE_LONG' in src/grib_expression_class_functor.c
- [\[ECC-596\]](#) - Memory leak: grib_accessor_class_md5.c
- [\[ECC-538\]](#) - ecCodes does not honour ECCODES_NO_ABORT
- [\[ECC-550\]](#) - Segmentation violation when setting descriptor 236000
- [\[ECC-551\]](#) - Standard deviation is shown as NAN
- [\[ECC-556\]](#) - BUFR: 'typicalDate' calculation should cater for invalid year in BUFR4
- [\[ECC-557\]](#) - class="I5": set mars.step=endStep for streams mnth/edmm/wamo/ewmm
- [\[ECC-558\]](#) - Windows - linker error: unresolved external symbol _grib_dumper_class_bufr_simple
- [\[ECC-579\]](#) - BUFR nested replication problem
- [\[ECC-582\]](#) - bufr_dump -Efortran creates BUFR which differs from input (string value)
- [\[ECC-586\]](#) - CRASH: extracting nonexistent BUFR subset with doExtractSubsets
- [\[ECC-589\]](#) - Clang ThreadSanitizer error: data race on 'bits_all_one'
- [\[ECC-590\]](#) - Clang ThreadSanitizer error: data race on expanded_descriptor_list_push