

Changes in cycle 000120

October 31, 2000

Workstation:

- /home/ma/emos/lib/\${ARCH}/000120/libemos.R32.D64.I32.a
- /home/ma/emos/lib/\${ARCH}/000120/libemos.R64.D64.I32.a

Supercomputer:

- /home/ma/emos/lib/000120/libemos.R32.D64.I32.a
- /home/ma/emos/lib/000120/libemos.R64.D64.I32.a

BUFR routines

- Add operator to allow storing numbers in full precision.

Gribex routines

- Change EMOS version to 000120.
- Add diagnostics when calculation of reference value in GRIB floating point format does not find value lower than original number.
- Expand parameter description character string lengths (to 81).
- Change GRIBEX version number to 13.033.
- Refine selection of debug output via GRIBEX_DEBUG (= ON/OFF, 1, 2).

Interpolation software

- Add 'islsdp' option to use given land-sea mask for interpolation of grid-point fields.
- Incorporate a default 'missing' value to enable the use grid to grid interpolation for bitmapped fields (extension of the 'missingvalue' option).
- Generalise the lookup of reduced gaussian grid definitions; now uses a file containing definitions of number of points at each latitude.
- Use 'known' limits for spectral coefficient rotations according to spectral truncation. Split required rotation into parts if necessary.
- On VPP5000, use memory pool for spectral rotation coefficients so that a number of sets can be held in memory at the same time.
- Change name of the environment variable giving the name of the directory for storing spectral rotation coefficients to PP_ROT_DIR (from PPDIR).