

# Changes in cycle 000250

September 25, 2003

Workstation:

- /home/ma/emos/lib/\${ARCH}/000250/libemos.R32.D64.I32.a
- /home/ma/emos/lib/\${ARCH}/000250/libemos.R64.D64.I32.a
- /home/ma/emos/lib/sgimips\_n32/000250/libemosDebug.R64.D64.I32.a

where: ARCH = sgimips\_n32, rs6000, alpha, solaris, hppa, linux

Supercomputers:

- /home/ma/emos/lib/000250/libemos.R64.D64.I32.a

Note that the rs6000 libraries contain both underscored and non-underscored versions of modules.

Linux routines now compiled using the -byteswapio option with compiler pgf90.

## Gribex routines

- Added display of forecast month in ECMWF local definition 16 (seasonal monthly mean data) (grprs1.F).
- Change to ECMWF local definition 21 (sensitive area products) for TOST: added type 64 for signal variance and changed from giving originating centre number to giving a domain letter in KSEC1[58].
- Internal interface to C functions E\_DEF\_N and D\_DEF\_N used for encoding/decoding ECMWF local definitions in GRIB section 1 modified to have names both with and without underscores.
- Changed EMOSLIB version number to 000250

## Interpolation software

- Replaced INT by NINT in calculation of number of latitudes along meridian for wave interpolation to overcome a rounding problem which showed up under linux.
- Reverted memory allocation size for spectral U/V generation to (N+1)\*(N+4) (intuvp.F).