

HIRLAM system experts)

[alabobo2] gmckpack 6.7.0 for cycle 46T1

[Chronologique](#) [Discussions](#)

[≤ Chronologique >](#) [≤ Discussions >](#)

- **From:** EL KHATIB Ryad <ryad.elkhatib@meteo.fr>
 - **To:** GMAP <gmap@meteo.fr>, stagmap <stagmap@meteo.fr>, antoinette alias <antoinette.alias@meteo.fr>, RIETTE Sébastien <sebastien.riette@meteo.fr>, alabobo2 <alabobo2@meteo.fr>, dirop compas gco <dirop_compas_gco@meteo.fr>
 - **Subject:** [alabobo2] gmckpack 6.7.0 for cycle 46T1
 - **Date:** Fri, 11 Jan 2019 15:29:30 +0100 (CET)
-

Dear all,

Here is an important update of gmckpack, recommended for cycle 46T1.

The main motivations of this update are :

- fix dependencies analysis of C++ source code for OOPS.
- support a flexible value of the number of updates for ODB.

Practically saying, regarding ODB : in cycle 46T1 the number of updates, defined in cma.h, is very likely to be defined with a cpp macro ODB_NMXUPD. That way the default value could remain 10 as it is in cycle 46, while users would be able to keep the traditional value ODB_NMXUPD=3.

Using such a dynamic value for nmxupd will require :

- 1 - the update of gmckpack to the version 6.7.0
- 2 - the modification of cma.h to consider the cpp macro ODB_NMXUPD (expected in cycle 46T1)
- 3 - the modification of the configuration file of gmckpack to specify in GMK_CFLAGS_ODB the value of ODB_NMXUPD (example : GMK_CFLAGS_ODB = ... -DODB_NMXUPD=3)

Note also that the update of gmckpack and the addition of ODB_NMXUPD in the configuration files can be anticipated before cycle 46T1 is released.

This new version has been installed on MF supercomputers "beaufix" and "prolix", on the PCs of GMAP and at ECMWF on CCA.

The former version can still be used, as "gmckpack.old"

The tar file can be found on ecfs and hendrix :

ec:/rme/hirald/gmckpack/gmckpack.6.7.0.tar.gz

hendrix:/home/khatib/gmckpack/gmckpack.6.7.0.tgz

Best regards,
Ryad

----- Météo-France -----

EL KHATIB RYAD

CNRM/GMAP/ALGO

ryad.elkhatib@meteo.fr

Fixe : +33 561078466

-
- **[alabobo2] gmckpack 6.7.0 for cycle 46T1, EL**
KHATIB Ryad, 11/01/2019
-