

# GOBPTOUT

*This executable reads an input Arpege file containing various fields and converts it into a file of grib type.*

*This grib file, operationally will be missed to ECMWF .*

*So there are many french «substilities» for instance number of transmitting center 85.*

*The fields can be traced by Metview.*

*Some Gobptout clones exist for non operationnal uses( Mesonh, Morage) but they are not maintained.*

## General operation

Using the parameters contained in the Arpege file , GOBPTOUT determines the date (date of beginning, expiries), the domain (coordinated in degrees, the number of points in latitude longitude) and the factor of compaction for each field.

The heading of the grib fields can be thus filled.

By reading the various fields of the file, it puts in agreement the name Arpege of the field with a code grib characterizing the field and one (or two) code grib defining the level.

Thus the field Arpege SURF.TEMPERATURE will be defined by its code grib field 11 and its code grib of level 1.

But GOBPTOUT needs also external data, the directives provided by the intermediary of a namelist.

These external data are:

the model number , example 777 for analysis cep ;

the activation of a key of chattering ;

the names of input files and their number.

## Use of entry parameters

### ● Utilisation NAMELIST provided on fort.4

The name of the input file is given.

Progrid can also treat a list of files to be transformed into format grib.

The outut file name is like this GRID HIJKLMNnn

HIJKLMN are in the input file name, nn is the number of the treated file.

Contents of the namelist fort.4 for example:

INUMOD=100 (number of model)

LLBAVE=.TRUE. (verbose)

NBDOM=1 number of arpege files to read

CDNOMF(1) = name of the input file

The writing of the namelist can be made like this example:

```
echo "&NAML" > fort.4
```

```
echo "INUMOD=212," >> fort.4
```

```
echo "LLBAVE=.TRUE.," >> fort.4
```

```
echo "CDNOMF(1) = ICMSH      " >> fort.4
echo "NBDOM=1," >> fort.4
echo "&END" >> fort.4
```

## Annexe

### ● A little example on VPP

```
cd $TMPDIR

utexec='ut28t3_gobptout -pre29main.01.L0209.x.exe'

gget $utexec

/bin/cp $utexec gobptout

# on $TMPDIR input file is for instance ABCDEFGHIJKLMN

# you must just use a NAMELIST like this

echo "&NAML" > fort.4
echo "INUMOD=211," >> fort.4
#                               to identify experience modele
echo "LLBAVE=.TRUE.," >> fort.4
#                               to have more informations
echo "CDNOMF(1)=ABCDEFGHJKLMN" >> fort.4
#                               input file name
echo "NBDOM=1," >> fort.4
echo "&END" >> fort.4

gobptout

# the result is ----- > on file GRIDGHIJKLM1
```

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### ● On other computers

You must create gobptout with files of the directory gobptout in library **uti** using links with library xrd (package PALADIN for instance) and library libemos (gribex, pbopen..) from ECMWF.

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