

PROGRAM TO CONVERT ADJOINT MODEL OUTPUT ADJ-MM5 TO VIS5D

This program is similar to the algorithms (Algorithm 4) presented by Group 1 of the Iberian MM5 Network (<http://redibericamm5.uib.es/>).

This particular program converts the adjoint model output ADJ-MM5 to Vis5D

The adjoint model computes sensitivity fields to the initial and boundary conditions:

GRAD.D : RAW Fortran output including sensitivity fields to the initial conditions.

GBLBT.00X : RAW Fortran output including sensitivity fields to the boundary conditions (every 12h if we use NCEP standard fields).

Domain settings are obtained from the MMINPUT_DOAMIN1 file header.

COMPILATION:

The version included in this directory is a binary compiled under Linux with the Portland Group compiler, though I guess it could easily be ported to a different system.

It is important to modify the Makefile to make sure that the compiler will find all Vis5d dependencies (vis5df.h).

EXAMPLE:

The example included in the directory corresponds to the 48h run sensitivities of an intense Western Mediterranean cyclogenesis event occurred on 9-11 November 2001 at 0000 UTC.

Contact: victor.homar@noaa.gov
May 20, 2003