

Running PROM7 with gfortran compiler on Linux system

- Download the package source file PROM7_PRD.tgz from MEDOC website : [https://idoc.ias.u-psud.fr/MEDOC/Radiative transfer codes](https://idoc.ias.u-psud.fr/MEDOC/Radiative_transfer_codes)
- (**gfortran** compiler is required)
- Unpack the package by typing the following linux command :
tar -xvzf PROM7_PRD.tgz
- Go to the folder PROM7_PRD :
cd PROM7_PRD
- The folder contains the following files: intica.dat, intinc.dat, model.dat, tembri.dat, makefile, pr7prd.f90
- The file to modify is ``model.dat" : the first parameter corresponds to the option for prominence (=1) or filament (=0) and the second parameter represents the number of models to be computed. These models defined below are defined by temperature, pressure, structure thickness, microturbulent velocity and altitude
- Run the code by typing :
make
./pr7prd
- The output files are : resume.dat, profil.dat, profil.ps, fort.66 (transitions list)
- The folder **results** contains the output files corresponding to a test case to be able to check if your results are good

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