MEUDON-RENNES versions of the CESAM2k evolution code used for ESTA

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MEUDON-RENNES CESAM VERSION FOR ESTA

TWO VERSIONS of CESAM2k HAVE BEEN USED FOR TASK1:

- CESAM2k_V0 : June 2004 version
  - ⇨ « official » tested version available on the Web
  - ⇨ improved version of former Cesam2 to Cesam5
  - ⇨ langage Fortran95
- CESAM2k_V1 : May 2005 version
  - ⇨ new physics in test
  - ⇨ numerical changes/improvements

Running on a PC Pentium4

- Linux OS : now Debian Sarge but Mandrake 10 previously used
- Lahey LF95 fortran compiler but Intel IFC 7 and 8 previously used

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MEUDON-RENNES CESAM VERSION FOR ESTA

COMPARISONS BETWEEN Cesam2k_V0 and Cesam2k_V1 models

- comparisons have been performed in Rennes between models using the same input physics and numerical accuracies
- result : differences between Pierre Morel's and Yveline Lebreton's models calculated for Task1 result from slightly different choices in the options

  input physics (for instance Hopf vs. Eddington atmosphere)

  numerical accuracy : many options in Cesam

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