

# Namelist "Statistical\_Field\_Listing"

This data set defines the statistical fields that the user wants to record as results of simulation.

The time parameters used to configure the calculation of statistical fields are present in the namelist "Simulation\_Management".

The files of statistical fields are formatted in binary. They are named in the form `rst_XXXXXX_YYYYY.d`. 'YYYYY' is the subdomain number for simulations based on the MPI domain-decomposition approach, 'XXXXXX' is the file number.

Don't forget to set the boolean data "End\_of\_Data\_Block" at the end of the namelist. The value is ".false." by default. A ".true." value means the end of the data set when several namelists are used to define several records of statistical fields.

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## Name\_of\_Field

- Type : String of six characters (maximum)
- This data names the physical quantity to record. This name must match with the lookup table of the code which is composed of 18 pre-selected physical quantities.
- In order to record any new statistical field, please contact the developer (yann.fraigneau@limsi.fr\_to\_removed).

## Recording\_Enabled

- Type : Boolean value
- The record of the statistical field is activated (if .true.)

## End\_of\_Data\_Block

- Type: Boolean value
- This means the end of the data set when ".true." is set.

From:

<https://sunfluidh.limsi.fr/> - Documentation du code de simulation numérique SUNFLUIDH

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