

# README

mardi 7 mars 2023 23:19

io107.py is a python program to read the part files

Exemple of usage to read the part file part\_144 (or part\_144.gz)

```
>> import io107.py
>> hour = 144
>> dir = 'Pune-EAD-JJAS-2015-370K'
>> part = io107.readpart107( 144,dir)
```

Index107Format.pdf is a detailed notice on the format.

Pune.pdf is a short description of the runs.

prepforw2Pune.py is the script used to prepare the initial states (requiring a package that handles ERA5 data).

ageStatExit.py is an exemple of program which follows parcels with their index

transit.py is a package which was used to study the transit of parcels launched from the top of convective towers across isentrops in the AMA region and exiting the regions.

comparRuns.py and comparRuns.ipynb are a simple exemple of trajectory extraction for a comparison between two versions of the trajectory code (the last one correcting an error introduced in the data at ECMWF).