

# DMP Implementation Status of IPP

2024-09-25

# uda.py

- Added a “--times/-t” option

- `./uda.py -u 'imas://uda.ipp.mpg.de:56565/uda?path=/root/public/imasdb/aug/3/17151/1&backend=hdf5' -t`
- Accessing data from  
`imas://uda.ipp.mpg.de:56565/uda?path=/root/public/imasdb/aug/3/17151/1&backend=hdf5`
- `core_profiles` has 59 time-slices covering the range 0.3160000145435333 -- 6.116000014543534
- `dataset_description` uses independent time mode
- `equilibrium` has 59 time-slices covering the range 0.3160000145435333 -- 6.116000014543534
- `ic_antennas` uses heterogeneous time mode
- `nbi` uses heterogeneous time mode
- `pulse_schedule` uses heterogeneous time mode
- `summary` has 59 time-slices covering the range 0.3160000145435333 -- 6.116000014543534
- `tf` has 59 time-slices covering the range 0.3160000145435333 -- 6.116000014543534
- `wall` has 1 time-slices covering the range 0.0 -- 0.0
- Available IDses are: ['core\_profiles', 'dataset\_description', 'equilibrium', 'ic\_antennas', 'nbi', 'pulse\_schedule', 'summary', 'tf', 'wall']
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- Timing information
  - `DBentry = 2.213`
  - `get = 12.958`
  - `close = 0.053`

# Similar to idslist (but faster)

- time idslist -u  
'imas://uda.ipp.mpg.de:56565/uda?path=/root/public/imasdb/aug/3/17151/1&b  
ackend=hdf5'
- core\_profiles : 59 slices: [0.32 0.42 0.52 ... 5.92 6.02 6.12]
- dataset\_description: ? slices: time independent IDS
- equilibrium : 59 slices: [0.32 0.42 0.52 ... 5.92 6.02 6.12]
- ic\_antennas : ? slices: heterogeneous IDS
- nbi : ? slices: heterogeneous IDS
- pulse\_schedule : ? slices: heterogeneous IDS
- summary : 59 slices: [0.32 0.42 0.52 ... 5.92 6.02 6.12]
- tf : 59 slices: [0.32 0.42 0.52 ... 5.92 6.02 6.12]
- wall : 1 slices: [0.]
- 1.807u 1.095s 1:03.67 4.5% 0+0k 0+0io 0pf+0w

# Also

- Modified ETS-PAF so that the starting data can be specified as a URI
  - Which, in principle, would allow one to start a simulation from a UDA specified shot

# uda.py data access times

