

DMP Implementation Status of IPP

2024-11-20

Shot for DMP

```
costerd@sdcc-login02 uda-test]$ time idscp -s
'imas://uda.ipp.mpg.de:56565/uda?path=/root/public/imasdb/aug/3/32408/1&backend=hdf5' -d
"imas:hdf5?user=costerd;pulse=32408;run=1;database=aug;version=3" -a
ERROR:root:b'al_begin_dataentry_action: [ALBackendException = HDF5 master file not found:
/home/ITER/costerd/public/imasdb/aug/3/32408/1/master.h5]'
ERROR:root:b'al_begin_dataentry_action: [ALBackendException = HDF5 master file not found:
/home/ITER/costerd/public/imasdb/aug/3/32408/1/master.h5]'
[11/18/24 15:39:35] WARNING Destination pulse does not exist. Creating.
idscp:99
WARNING:module:Destination pulse does not exist. Creating.
Copying core_profiles
Copying dataset_description
Copying ec_launchers
Copying ece
Copying equilibrium
Copying ic_antennas
Copying nbi
Copying pulse_schedule
Copying summary
Copying tf
Copying wall
5.390u 6.406s 9:56.97 1.9% 0+0k 0+0io 0pf+0w
```

Shot for DMP

```
dblist -u $USER -d aug --showuri list
```

Sr. No.	uri
0	"imas:mdsplus?user=costerd;pulse=40866;run=1;database=aug;version=3"
1	"imas:mdsplus?user=costerd;pulse=40866;run=2;database=aug;version=3"
2	"imas:mdsplus?user=costerd;pulse=40866;run=3;database=aug;version=3"
3	"imas:hdf5?user=costerd;pulse=17151;run=1;database=aug;version=3"
4	"imas:hdf5?user=costerd;pulse=32408;run=1;database=aug;version=3"
5	"imas:hdf5?user=costerd;pulse=40866;run=1;database=aug;version=3"
6	"imas:hdf5?user=costerd;pulse=40866;run=3;database=aug;version=3"

Shot for DMP

```
time idscp -s
'imas://spcimasdata.epfl.ch:443/uda?path=/data/imas/public/imasdb/tcv/3/68340/2/&backe
nd=mdsplus' -d 'imas:hdf5?user=costerd;pulse=68340;run=2;database=tcv;version=3' -a
ERROR:root:b'al_begin_dataentry_action: [ALBackendException = HDF5 master file not
found: /home/ITER/costerd/public/imasdb/tcv/3/68340/2/master.h5]'
ERROR:root:b'al_begin_dataentry_action: [ALBackendException = HDF5 master file not
found: /home/ITER/costerd/public/imasdb/tcv/3/68340/2/master.h5]'
[11/20/24 10:19:38] WARNING Destination pulse does not exist. Creating.
idscp:99
WARNING:module:Destination pulse does not exist. Creating.
Copying core_profiles
Copying dataset_description
Copying equilibrium
Copying nbi
Copying pf_active
Copying summary
Copying thomson_scattering
Copying tf
Copying wall
35.564u 16.494s 1:53:38.32 0.7% 0+0k 0+0io 0pf+0w
```

Using rsync to copy the HDF5 files
(43 MB) from ITER to Garching took
5.02 seconds!

Shot for DMP

```
dblist -u $USER -d tcv --showuri list
```

Sr. No.	uri
0	"imas:hdf5?user=costerd;pulse=68340;run=2;database=tcv;version=3"

Shot for DMP

```
dblist -u $USER -d tcv --showuri slices
```

```
Database: tcv
```

```
  Data version: 3
```

```
    Backend: hdf5
```

```
      Pulse 68340
```

```
        "imas:hdf5?user=costerd;pulse=68340;run=2;database=tcv;version=3"
```

```
          core_profiles: 86 slices (0.034341000020504 -
```

```
1.450340986251831)
```

```
            dataset_description: ? slices ( time independent IDS )
```

```
              equilibrium: 1530 slices (0.01900005340576172 -
```

```
1.4620001316070557)
```

```
                nbi: ? slices ( heterogeneous IDS )
```

```
              pf_active: ? slices ( heterogeneous IDS )
```

```
                summary: 100 slices ( 0.0 - 1.4642000198364258)
```

```
            thomson_scattering: ? slices ( heterogeneous IDS )
```

```
                tf: ? slices ( heterogeneous IDS )
```

```
                wall: ? slices ( heterogeneous IDS )
```

JET

```
./uda.py -u  
'imas://uda.jetdata.eu:56565/uda  
?mapping=JET&verbose=0&shot=9939  
9&batch_size=20' -c summary  
Accessing data from  
imas://uda.jetdata.eu:56565/uda?  
mapping=JET&verbose=0&shot=99399  
&batch_size=20
```

Timing information

```
DBentry = 1.955  
get = 15.671  
close = 0.025
```

```
imas://uda.jetdata.eu:56565/uda?  
mapping=JET&  
verbose=0&  
shot=99399&  
batch_size=20
```

