

DMP Implementation Status of IPP

2026-10-14

Updated AUG summary IDS

- Have now created
 - 19570 summary (and related IDSes) for DD 3.42.0
 - 19570 summary (and related IDSes) for DD 4.1.1
 - Additional 19570 summary (and related IDSes) for DD 3.42.0
 - Additional 19570 summary (and related IDSes) for DD 4.1.1
- The lists of URIs can be found at
 - <https://wiki.euro-fusion.org/images/6/61/Aug-dmp-3.uris.txt>
 - <https://wiki.euro-fusion.org/images/1/11/Aug-dmp-4.uris.txt>
 - <https://wiki.euro-fusion.org/images/8/80/Aug-dmp-3-3.uris.txt>
 - <https://wiki.euro-fusion.org/images/1/17/Aug-dmp-4-4.uris.txt>
- Created
 - [CQT2DMP-115](#) [Data for DMP ingestion]
 - [CQT2DMP-116](#) [Request for additional options on dmp.eufus.eu]

imas_validator [IDS produced by trview]

Applying to aug data

- imas_validator validate "imas:hdf5?path=/u/dpc/public/imasdb/aug/3/17151/1"
 - FAILED IDSs:
 - - IDS core_profiles occurrence 0
 - RULE: generic/core_profiles.py:validate_pressure_thermal_electron_core_profiles
 - MESSAGE: Electron thermal pressure not consistent with density_thermal * temperature
 - NODES COUNT: 177
 - - IDS equilibrium occurrence 0
 - RULE: generic/ggd.py:validate_ggd_size
 - MESSAGE: the length of the array of structures of the GGD must match number of time steps
 - NODES COUNT: 0
 - - IDS summary occurrence 0
 - RULE: generic/summary.py:validate_source
 - MESSAGE: Source node must be filled for any non-empty value node in the SUMMARY IDS
 - NODES COUNT: 8
 - - IDS tf occurrence 0
 - Changed the rules for pressure and ggd validation (see following pages)
 - FAILED IDSs:
 - - IDS summary occurrence 0
 - RULE: generic/summary.py:validate_source
 - MESSAGE: Source node must be filled for any non-empty value node in the SUMMARY IDS
 - NODES COUNT: 8
 - Have changed trview to fill the summary source fields (not yet committed)

imas_validator

Changing rulesets

- Some codes use 1.602e-19 for eV
 - diff -c
/u/dpc/GIT/IMAS-Validator/imas_validator/assets/rulesets/generic/core_profiles.py
venv_3.13.5/lib/python3.13/site-packages/imas_validator/assets/rulesets/generic/core_profiles.py
 - *** /u/dpc/GIT/IMAS-Validator/imas_validator/assets/rulesets/generic/core_profiles.py
2026-09-23 06:28:05.240081050 +0200
 - ---
venv_3.13.5/lib/python3.13/site-packages/imas_validator/assets/rulesets/generic/core_profiles.py 2026-10-08 09:51:26.847691608 +0200
 - *****
 - *** 46,51 ***
 - --- 46,52 ----
 - profiles_1d.electrons.density_thermal
 - * profiles_1d.electrons.temperature
 - * 1.602176634e-19,
 - + rtol=1.2e-4,
 -), "Electron thermal pressure not consistent with density_thermal * temperature"

imas_validator

Changing rulesets

- Some codes don't write the ggd at all
 - `diff -c /u/dpc/GIT/IMAS-Validator/imas_validator/assets/rulesets/generic/ggd.py`
`venv_3.13.5/lib/python3.13/site-packages/imas_validator/assets/rulesets/generic/ggd.py`
 - `*** /u/dpc/GIT/IMAS-Validator/imas_validator/assets/rulesets/generic/ggd.py 2026-09-23 06:28:05.245844059 +0200`
 - `--- venv_3.13.5/lib/python3.13/site-packages/imas_validator/assets/rulesets/generic/ggd.py 2026-10-08 09:57:40.732651182 +0200`
`*****`
 - `*** 526,535 ****`
 - `if has_homogeneous_time(ids):`
 - `ggd_list = get_ggds(ids, descend_final=False)`
 - `for ggd_aos in ggd_list:`
 - `! assert len(ggd_aos) == len(ids.time), (`
 - `! "the length of the array of structures of the GGD must "`
 - `! "match number of time steps"`
 - `! )`
 - `# GGD array rules`
 - `--- 526,536 ----`
 - `if has_homogeneous_time(ids):`
 - `ggd_list = get_ggds(ids, descend_final=False)`
 - `for ggd_aos in ggd_list:`
 - `! if len(ggd_aos) > 0:`
 - `! assert len(ggd_aos) == len(ids.time), (`
 - `! "the length of the array of structures of the GGD must "`
 - `! "match number of time steps"`
 - `! )`
 - `# GGD array rules`

imas_validator [IDS produced by trview]

- Summary Report :
- Tested URI : imas:hdf5?path=/u/dpc/public/imasdb/aug/3/17151/2
- Number of tests carried out : 2012
- Number of successful tests : 2004
- Number of failed tests : 8
-
- PASSED IDSs:
- + IDS core_profiles occurrence 0
- + IDS dataset_description occurrence 0
- + IDS equilibrium occurrence 0
- + IDS ic_antennas occurrence 0
- + IDS nbi occurrence 0
- + IDS pulse_schedule occurrence 0
- + IDS tf occurrence 0
- + IDS wall occurrence 0
-
- FAILED IDSs:
- - IDS summary occurrence 0
- RULE: generic/summary.py:validate_source
- MESSAGE: Source node must be filled for any non-empty value node in the SUMMARY IDS
- TRACEBACK: FrameSummary file
- /toks/scratch/dpc/FAIR4fusion/aug-summary-ingestion/venv_3.13.5/lib/python3.13/site-packages/imas_validator/assets/rules
- ets/generic/summary.py, line 9 in validate_source
- NODES COUNT: 8
- NODES: ['fusion/neutron_rates/total/source', 'global_quantities/b0/source', 'global_quantities/beta_pol/source', 'global_quantities/energy_mhd/source', 'global_quantities/ip/source', 'global_quantities/li/source', 'global_quantities/power_radiated/source', 'global_quantities/v_loop/source']

imas_validator [IDS produced by readaug]

- Tested URI : imas:hdf5?path=/u/dpc/public/imasdb/aug/3/17151/3
- PASSED IDSs:
- + IDS wall occurrence 0
- FAILED IDSs:
- - IDS equilibrium occurrence 0
 - RULE: generic/equilibrium.py:validate_sign
 - MESSAGE:
 - NODES COUNT: 116
- - IDS magnetics occurrence 0
 - RULE: generic/generic.py:validate_errorbars
 - MESSAGE: Negative value found for errorbar, while their values must be positive.
 - NODES COUNT: 1
- - IDS pf_active occurrence 0
 - RULE: generic/generic.py:validate_errorbars
 - MESSAGE: Negative value found for errorbar, while their values must be positive.
 - NODES COUNT: 12
- - IDS tf occurrence 0
 - RULE: generic/generic.py:validate_errorbars
 - MESSAGE: Negative value found for errorbar, while their values must be positive.
 - NODES COUNT: 1

imas_validator [IDS produced by readaug]

- Tested URI : imas:hdf5?path=/u/dpc/public/imasdb/aug/3/17151/4
- PASSED IDSs:
 - + IDS equilibrium occurrence 0
 - + IDS wall occurrence 0
- FAILED IDSs:
 - - IDS magnetics occurrence 0
 - RULE: generic/generic.py:validate_errorbars
 - MESSAGE: Negative value found for errorbar, while their values must be positive.
 - NODES COUNT: 1
 - - IDS pf_active occurrence 0
 - RULE: generic/generic.py:validate_errorbars
 - MESSAGE: Negative value found for errorbar, while their values must be positive.
 - NODES COUNT: 12
 - - IDS tf occurrence 0
 - RULE: generic/generic.py:validate_errorbars
 - MESSAGE: Negative value found for errorbar, while their values must be positive.
 - NODES COUNT: 1

imas_validator [IDS produced by readaug]

- Tested URI : imas:hdf5?path=/u/dpc/public/imasdb/aug/3/17151/5
- PASSED IDSs:
 - + IDS equilibrium occurrence 0
 - + IDS wall occurrence 0
- FAILED IDSs:
 - - IDS magnetics occurrence 0
 - RULE: generic/generic.py:validate_errorbars
 - MESSAGE: Negative value found for errorbar, while their values must be positive.
 - NODES COUNT: 1
 - - IDS pf_active occurrence 0
 - RULE: generic/generic.py:validate_errorbars
 - MESSAGE: Negative value found for errorbar, while their values must be positive.
 - NODES COUNT: 12
 - - IDS tf occurrence 0
 - RULE: generic/generic.py:validate_errorbars
 - MESSAGE: Negative value found for errorbar, while their values must be positive.
 - NODES COUNT: 1

imas_validator [IDS produced by trview]

- Tested URI : imas:hdf5?path=/u/dpc/public/imasdb/aug/3/32408/15
- PASSED IDSs:
 - + IDS core_sources occurrence 0
 - + IDS dataset_description occurrence 0
 - + IDS distributions occurrence 0
 - + IDS ec_launchers occurrence 0
 - + IDS ec occurrence 0
 - + IDS equilibrium occurrence 0
 - + IDS ic_antennas occurrence 0
 - + IDS nbi occurrence 0
 - + IDS pulse_schedule occurrence 0
 - + IDS tf occurrence 0
 - + IDS wall occurrence 0
 - + IDS waves occurrence 0
- FAILED IDSs:
 - - IDS core_profiles occurrence 0
 - RULE: generic/core_profiles.py:validate_electroneutrality
 - MESSAGE: Electroneutrality is not verified
 - NODES COUNT: 380
 - RULE: generic/generic.py:validate_density_positive
 - MESSAGE: Negative value found for a density
 - NODES COUNT: 2
 - - IDS pf_active occurrence 0
 - - IDS summary occurrence 0
 - RULE: generic/summary.py:validate_source
 - MESSAGE: Source node must be filled for any non-empty value node in the SUMMARY IDS
 - NODES COUNT: 8

imas_validator [IDS produced by trview]

Made updates to trview (ion_density_thermal now from ion_density - ion_density_fast)

- Summary Report :
- Tested URI : imas:hdf5?path=/u/dpc/public/imasdb/aug/3/32408/16
- Number of tests carried out : 5150
- Number of successful tests : 5148
- Number of failed tests : 2
-
- PASSED IDSs:
- + IDS core_profiles occurrence 0
- + IDS core_sources occurrence 0
- + IDS dataset_description occurrence 0
- + IDS distributions occurrence 0
- + IDS ec_launchers occurrence 0
- + IDS ece occurrence 0
- + IDS equilibrium occurrence 0
- + IDS ic_antennas occurrence 0
- + IDS nbi occurrence 0
- + IDS pulse_schedule occurrence 0
- + IDS summary occurrence 0
- + IDS tf occurrence 0
- + IDS wall occurrence 0
- + IDS waves occurrence 0
-
- FAILED IDSs:
- - IDS pf_active occurrence 0

The last entry doesn't seem to be correct

imas_validator [IDS produced by trview]

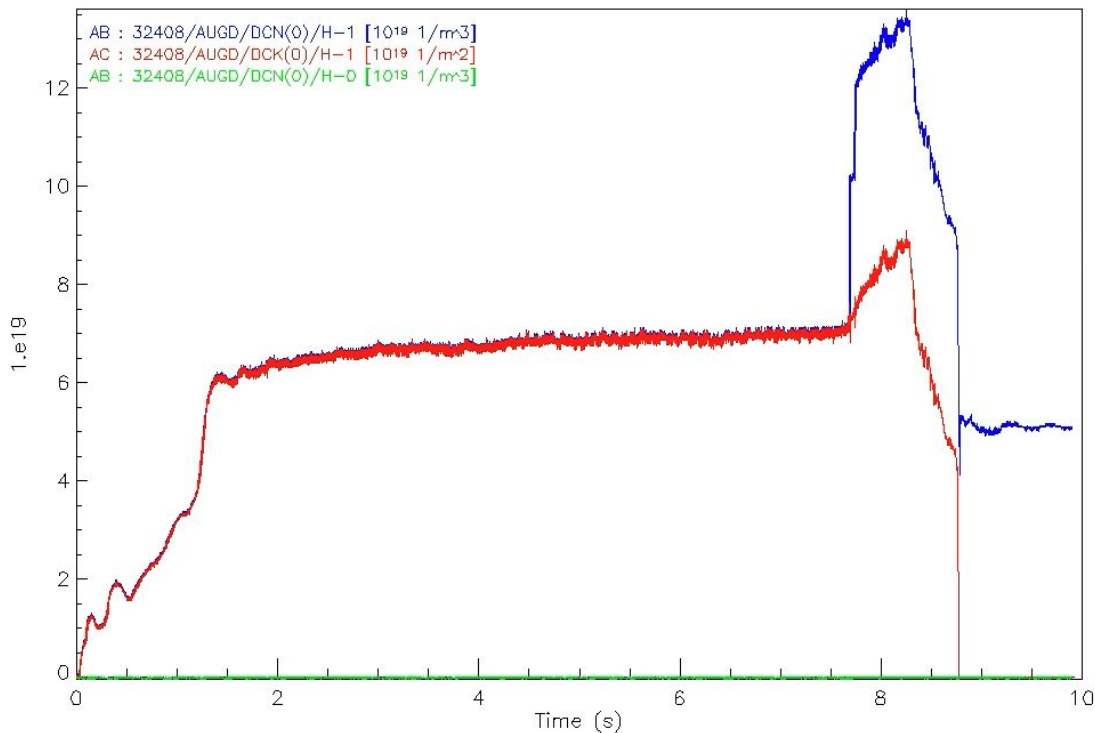
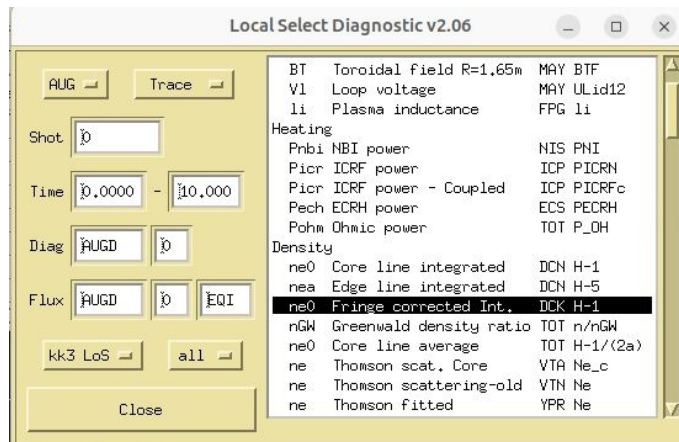
- Test Suite: pf_active:0
 - Results
 - Duration 0.0 sec
 - Tests 4
 - Failures 0
- Tests
 - Pf_active:0
 - Test case: generic/[generic.py](#):validate_homogeneous_time
 - Outcome: Passed
 - Duration: 0.0 sec
 - Test case: generic/generic.py:validate_increasing_time
 - Outcome: Passed
 - Duration: 0.0 sec
 - Test case: generic/pf_active.py:validate_coil_name
 - Outcome: Passed
 - Duration: 0.0 sec
 - Test case: generic/pf_active.py:validate_coil_name
 - Outcome: Passed
 - Duration: 0.0 sec

imas_validator [IDS produced by DMP]

- Summary Report :
- Tested URI : imas:hdf5?path=aug-dmp/3/32408/1
- Number of tests carried out : 102
- Number of successful tests : 101
- Number of failed tests : 1
-
- PASSED IDSs:
- + IDS dataset_fair occurrence 0
-
- FAILED IDSs:
- - IDS summary occurrence 0
- RULE: generic/generic.py:validate_density_positive
- MESSAGE: Negative value found for a density
- TRACEBACK: FrameSummary file
/toks/scratch/dpc/FAIR4fusion/aug-summary-ingestion/venv_3.13.5/lib/python3.13/site-packages/imas_validator/assets/rulesets/generic/generic.py, line 122 in
validate_density_positive
- NODES COUNT: 1
- NODES: ['line_average/n_e/value']

imas_validator [IDS produced by DMP]

- This data was coming from
 - "diag": "DCN"
 - "sig": "H-0"
- cview suggested we should be using DCK/H-1
- Started regenerating aug-dmp data



imas_validator [IDS produced by DMP]

- Summary Report :
- Tested URI : imas:hdf5?path=aug-dmp/3/32408/3
- Number of tests carried out : 102
- Number of successful tests : 102
- Number of failed tests : 0
-
- PASSED IDSs:
- + IDS dataset_fair occurrence 0
- + IDS summary occurrence 0
-
- FAILED IDSs:

imas_validator [IDS produced by DMP; DD3; re-ran fill_summary]

```
==> validate_reports_aug-dmp_3_1/reports/synthesis_global_report.md <==  
# IDS Validation Rules Summary
```

Here is the summary of unsatisfied validation rules. For each rule, the numbers in parentheses represent the number of impacted items (shocks) for each occurrence (`occ`) within the specified range.

Summary

```
* **summary** (occ 0)  
* `validate_density_positive` (3987)  
* `validate_errorbars` (4866)  
* `validate_homogeneous_time` (187)
```

```
==> validate_reports_aug-dmp_3_3/reports/synthesis_global_report.md <==  
# IDS Validation Rules Summary
```

Here is the summary of unsatisfied validation rules. For each rule, the numbers in parentheses represent the number of impacted items (shocks) for each occurrence (`occ`) within the specified range.

Summary

```
* **summary** (occ 0)  
* `validate_errorbars` (4866)  
* `validate_density_positive` (904)  
* `validate_homogeneous_time` (187)
```

imas_validator [IDS produced by DMP; DD4; re-ran fill_summary]

```
==> validate_reports_aug-dmp_4_2/reports/synthesis_global_report.md <==  
# IDS Validation Rules Summary
```

Here is the summary of unsatisfied validation rules. For each rule, the numbers in parentheses represent the number of impacted items (shocks) for each occurrence (`occ`) within the specified range.

Summary

```
* **summary** (occ 0)  
* `validate_errorbars` (4866)  
* `validate_density_positive` (3987)  
* `validate_homogeneous_time` (187)
```

```
==> validate_reports_aug-dmp_4_4/reports/synthesis_global_report.md <==  
# IDS Validation Rules Summary
```

Here is the summary of unsatisfied validation rules. For each rule, the numbers in parentheses represent the number of impacted items (shocks) for each occurrence (`occ`) within the specified range.

Summary

```
* **summary** (occ 0)  
* `validate_errorbars` (4866)  
* `validate_density_positive` (904)  
* `validate_homogeneous_time` (187)
```

imas_validator [update rules again]

imas_validator/assets/rulesets/generic/generic.py

```
"""
for error_upper in Select(ids, "_error_upper$", has_value=True):
    assert (
        error_upper >= 0
        np.nanmin(error_upper) >= 0
    ), "Negative value found for errorbar, while their values must be positive."

for error_lower in Select(ids, "_error_lower$", has_value=True):
    assert (
        error_lower >= 0
        np.nanmin(error_lower) >= 0
    ), "Negative value found for errorbar, while their values must be positive."
    error_lower_name = str(error_lower.metadata.name)
    error_upper_name = error_lower_name.replace("_error_lower", "_error_upper")
```

imas_validator [IDS produced by DMP; DD3; updated rules]

```
==> validate_reports_aug-dmp_3_1_new/reports/synthesis_global_report.md <==  
# IDS Validation Rules Summary
```

Here is the summary of unsatisfied validation rules. For each rule, the numbers in parentheses represent the number of impacted items (shocks) for each occurrence (`occ`) within the specified range.

Summary

```
* **summary** (occ 0)  
  
* `validate_density_positive` (3987)  
  
* `validate_homogeneous_time` (187)
```

```
==> validate_reports_aug-dmp_3_3_new/reports/synthesis_global_report.md <==  
# IDS Validation Rules Summary
```

Here is the summary of unsatisfied validation rules. For each rule, the numbers in parentheses represent the number of impacted items (shocks) for each occurrence (`occ`) within the specified range.

Summary

```
* **summary** (occ 0)  
  
* `validate_density_positive` (904)  
  
* `validate_homogeneous_time` (187)
```

imas_validator [IDS produced by DMP; DD4; updated rules]

==> validate_reports_aug-dmp_4_2_new/reports/synthesis_global_report.md <==

IDS Validation Rules Summary

Here is the summary of unsatisfied validation rules. For each rule, the numbers in parentheses represent the number of impacted items (shocks) for each occurrence (`occ`) within the specified range.

Summary

* **summary** (occ 0)

* `validate\_density\_positive` (3987)

* `validate\_homogeneous\_time` (187)

==> validate_reports_aug-dmp_4_4_new/reports/synthesis_global_report.md <==

IDS Validation Rules Summary

Here is the summary of unsatisfied validation rules. For each rule, the numbers in parentheses represent the number of impacted items (shocks) for each occurrence (`occ`) within the specified range.

Summary

* **summary** (occ 0)

* `validate\_density\_positive` (904)

* `validate\_homogeneous\_time` (187)

imas_validator [IDS produced by DMP; DD3]

validate_reports_aug-dmp_3_1/reports

3987 RULE: generic/generic.py:validate_density_positive

4866 RULE: generic/generic.py:validate_errorbars

187 RULE: generic/generic.py:validate_homogeneous_time

Re-run fill_summary

validate_reports_aug-dmp_3_3/reports

904 RULE: generic/generic.py:validate_density_positive

4866 RULE: generic/generic.py:validate_errorbars

187 RULE: generic/[generic.py](#):validate_homogeneous_time

Updated rules

validate_reports_aug-dmp_3_1_new/reports

3987 RULE: generic/generic.py:validate_density_positive

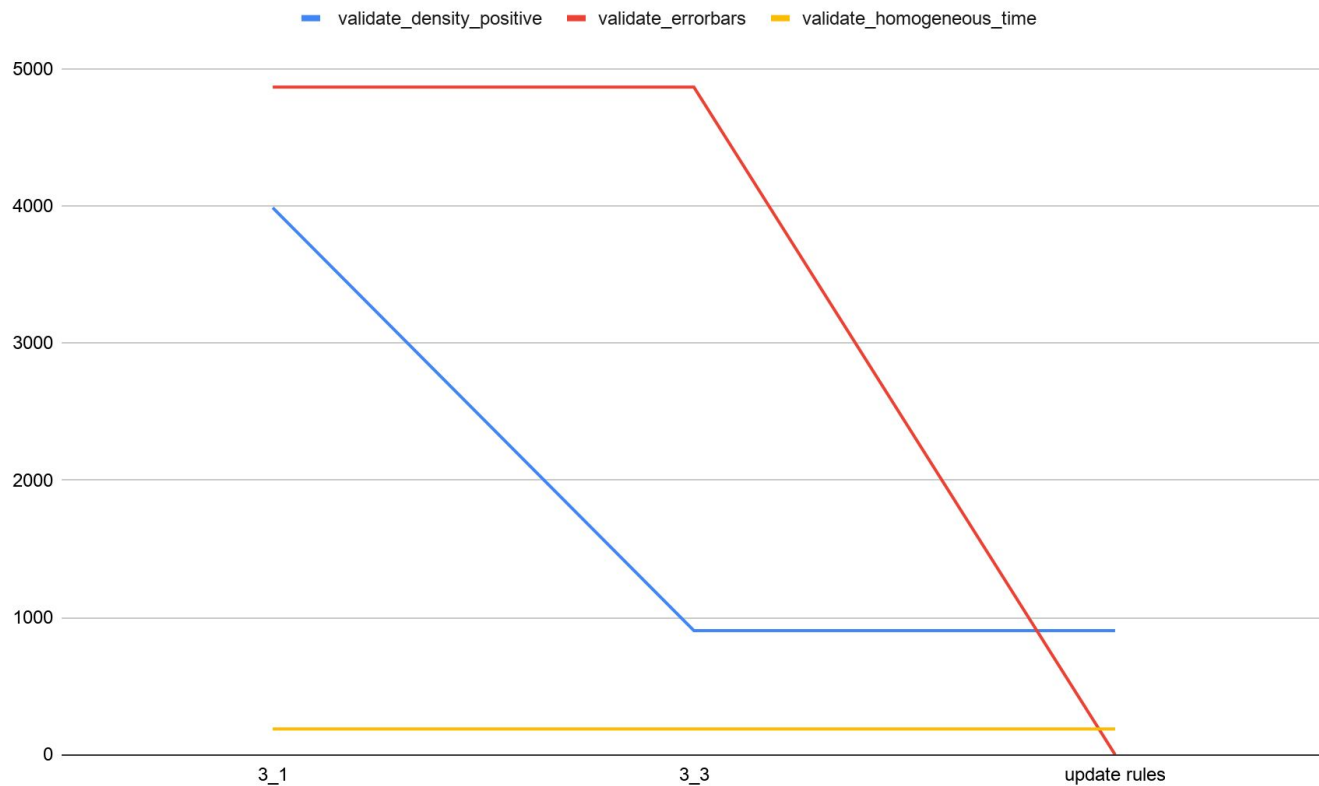
187 RULE: generic/generic.py:validate_homogeneous_time

validate_reports_aug-dmp_3_3_new/reports

904 RULE: generic/generic.py:validate_density_positive

187 RULE: generic/generic.py:validate_homogeneous_time

imas_validator [IDS produced by DMP; DD3]



imas_validator [IDS produced by DMP; DD4]

validate_reports_aug-dmp_4_2/reports

3987 RULE: generic/generic.py:validate_density_positive

4866 RULE: generic/generic.py:validate_errorbars

187 RULE: generic/generic.py:validate_homogeneous_time

Re-run fill_summary

validate_reports_aug-dmp_4_4/reports

904 RULE: generic/generic.py:validate_density_positive

4866 RULE: generic/generic.py:validate_errorbars

187 RULE: generic/generic.py:validate_homogeneous_time

Updated rules

validate_reports_aug-dmp_4_2_new/reports

3987 RULE: generic/generic.py:validate_density_positive

187 RULE: generic/generic.py:validate_homogeneous_time

validate_reports_aug-dmp_4_4_new/reports

904 RULE: generic/generic.py:validate_density_positive

187 RULE: generic/generic.py:validate_homogeneous_time

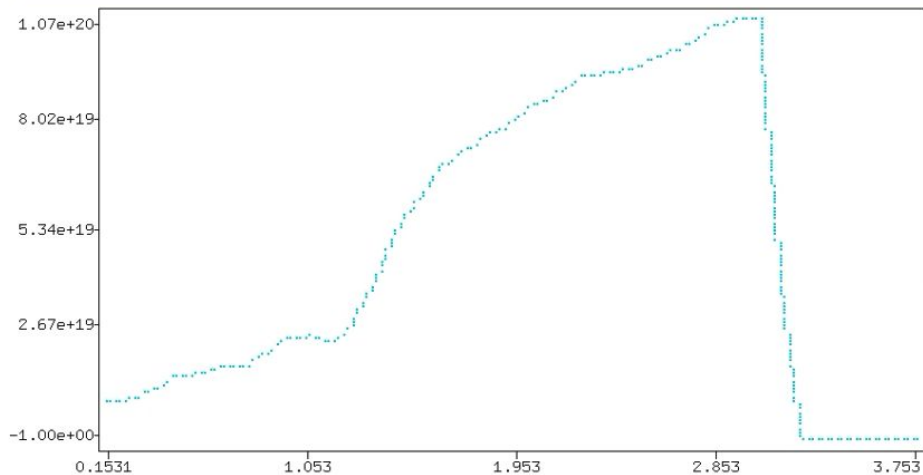
imas_validator [IDS produced by DMP; DD4]

- Look at one of the cases where the density went negative
- It seems as if the AUG diagnostic is using -1.0 to indicate invalid or no data
- Do we want to try to catch this?
- And if so, what should we do?
 - Shorten the shot?
 - Replace the negative numbers
 - by the missing data value?
 - By NaNs?

```
(venv_3.13.5) 14:43> idsprint -u "imas:hdf5?path=aug-dmp/4/39313/4"#summary/line_average/n_e/value  
14:44:43 INFO Parsing data dictionary version 4.1.1 @dd_zip.py:89
```

```
<class 'imas.ids_primitive.IDSNumericArray'>  
└─ numpy.ndarray(37,)<float64>  
    <IDSNumericArray (IDS:summary, line_average/n_e/value, FLT_ID)>  
    numpy.ndarray([ 9.7746e+18, 1.0586e+19, 1.2493e+19, ..., -1.0000e+00, -1.0000e+00,  
-1.0000e+00], shape=(37,))
```

min: -1.00e+00 max: 1.07e+20 mean: 4.84e+19



```
x: time  
y: summary/line_average/n_e/value
```

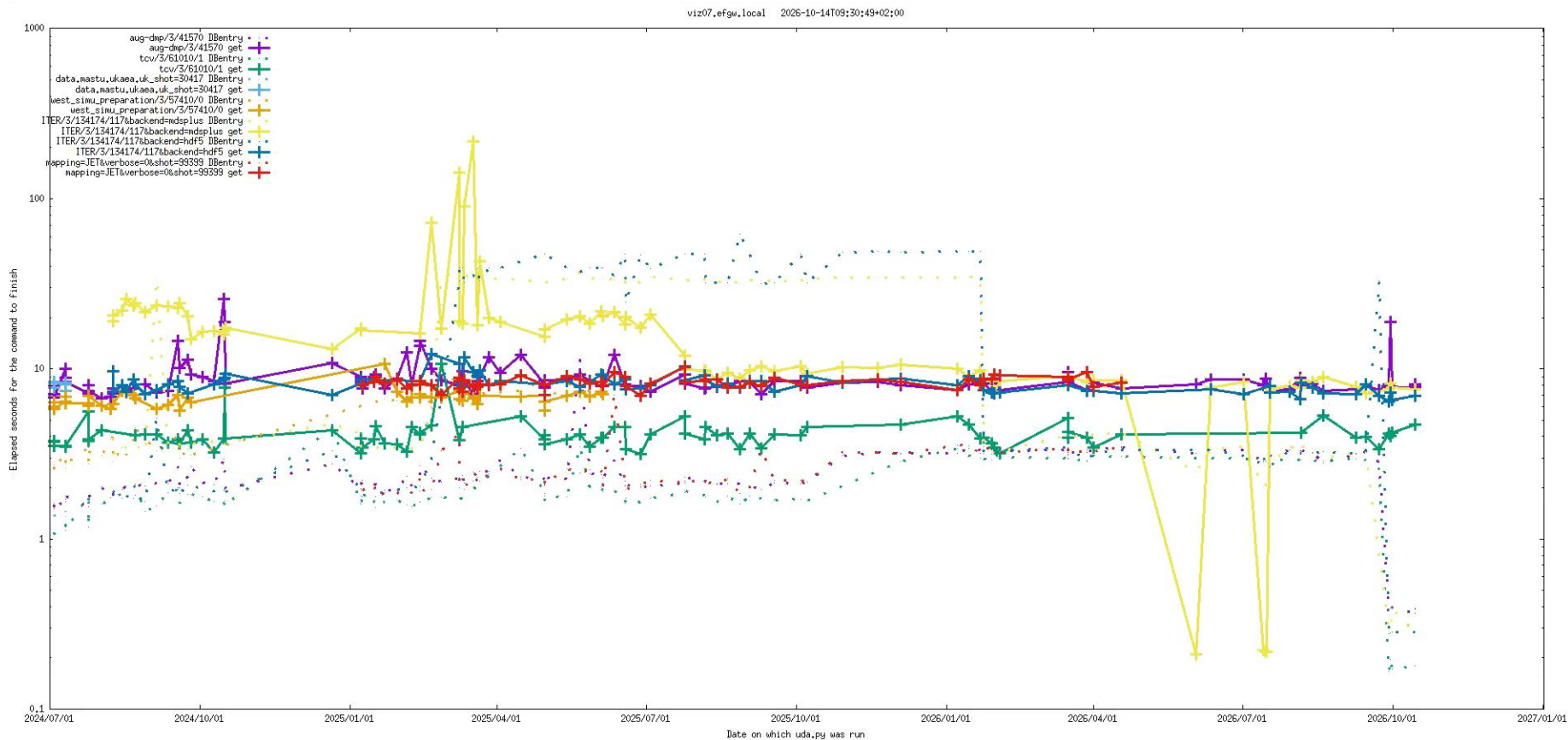
```
user=11.403 system=0.238 real=0:01.27  
(venv_3.13.5) 14:44> █
```

DD versions that are found

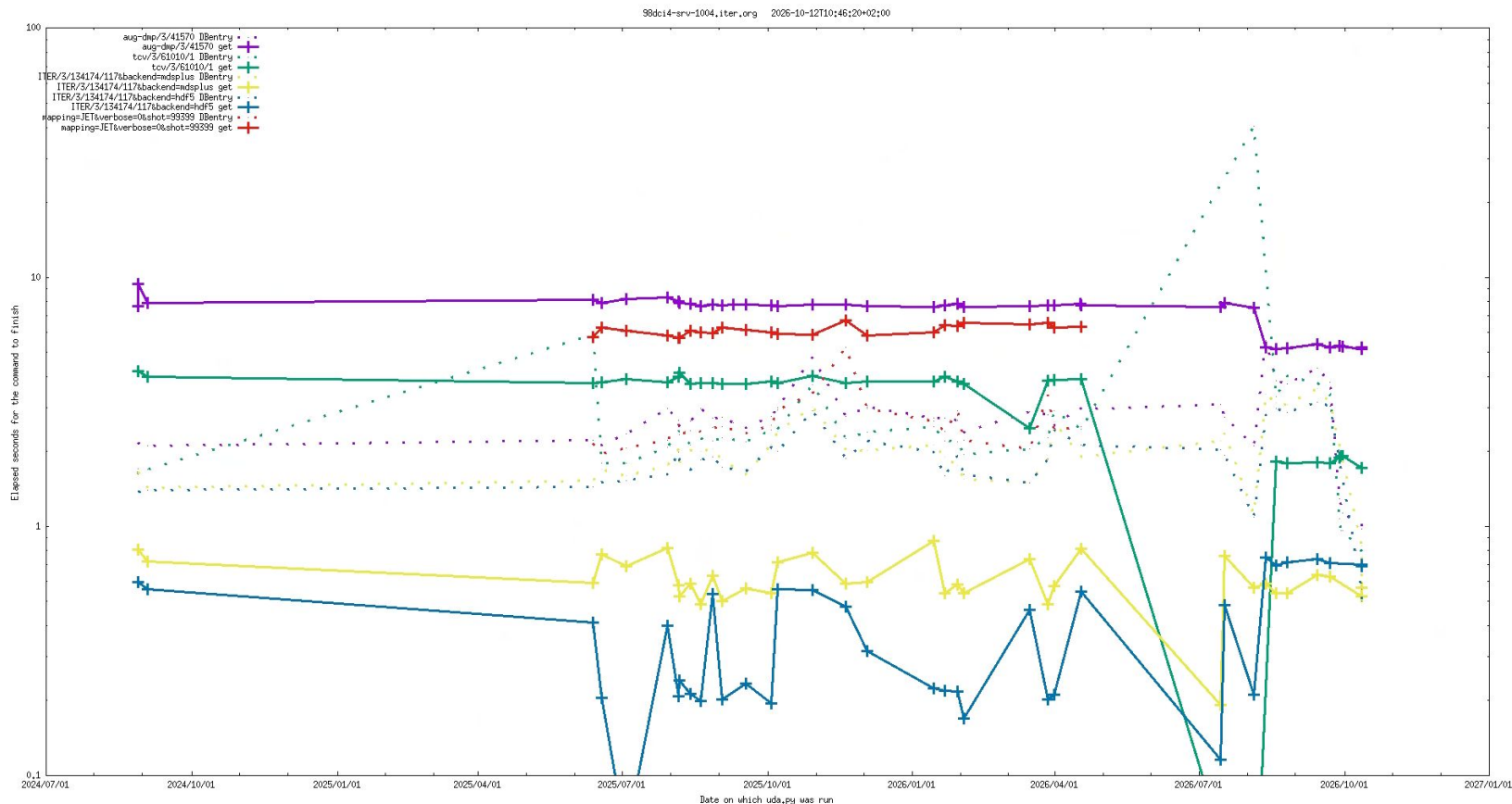
```
egrep 'Accessing|Parsing|Timing' 2026-10-12_09:52:20.log | awk '/Accessing/{acc=$4}/Parsing/{par=$7}/Timing/{print par, acc}' | sort
```

- 3.27.0 imas://spcimasdata.epfl.ch:443/uda?path=/data/imas/public/imasdb/tcv/3/61010/1/&backend=mdsplus;cache_mode=none
- 3.31.0 imas://uda.iter.org:56565/uda?path=/work/imas/shared/imasdb/ITER/3/134174/117&backend=mdsplus;cache_mode=none
- 3.38.1 imas://uda.iter.org:56565/uda?path=/work/imas/shared/imasdb/ITER/3/134174/117&backend=hdf5;cache_mode=none
- 3.39.0 imas://spcimasdata.epfl.ch:443/uda?path=/data/imas/public/imasdb/tcv/3/68340/2/&backend=mdsplus;cache_mode=none
- 3.39.0 imas://uda.ipp.mpg.de:56565/uda?path=/root/public/imasdb/aug/3/17151/1&backend=hdf5;cache_mode=none
- 3.39.0 imas://uda.ipp.mpg.de:56565/uda?path=/root/public/imasdb/aug/3/17151/3&backend=hdf5;cache_mode=none
- 3.39.0 imas://uda.ipp.mpg.de:56565/uda?path=/root/public/imasdb/aug/3/17151/4&backend=hdf5;cache_mode=none
- 3.39.0 imas://uda.ipp.mpg.de:56565/uda?path=/root/public/imasdb/aug-dmp/3/41570/0&backend=hdf5;cache_mode=none
- 3.39.0 imas://uda.ipp.mpg.de:56565/uda?path=/root/public/imasdb/test/3/1000/1000&backend=hdf5;cache_mode=none
- 3.42.0 imas://uda.ipp.mpg.de:56565/uda?path=/root/public/imasdb/aug/3/17151/5&backend=hdf5;cache_mode=none
- 3.42.0 imas://uda.ipp.mpg.de:56565/uda?path=/root/public/imasdb/aug/3/32408/1&backend=hdf5;cache_mode=none
- 3.42.0 imas://uda.ipp.mpg.de:56565/uda?path=/root/public/imasdb/aug/3/32408/2&backend=hdf5;cache_mode=none
- 3.42.0 imas://uda.ipp.mpg.de:56565/uda?path=/root/public/imasdb/aug/3/32408/3&backend=hdf5;cache_mode=none
- 3.42.0 imas://uda.ipp.mpg.de:56565/uda?path=/root/public/imasdb/aug/3/32408/4&backend=hdf5;cache_mode=none
- 3.42.0 imas://uda.ipp.mpg.de:56565/uda?path=/root/public/imasdb/aug/3/32408/5&backend=hdf5;cache_mode=none
- 3.42.0 imas://uda.ipp.mpg.de:56565/uda?path=/root/public/imasdb/aug/3/32408/6&backend=hdf5;cache_mode=none
- 3.42.0 imas://uda.ipp.mpg.de:56565/uda?path=/root/public/imasdb/aug/3/32408/7&backend=hdf5;cache_mode=none
- 3.42.0 imas://uda.ipp.mpg.de:56565/uda?path=/root/public/imasdb/aug/3/32408/8&backend=hdf5;cache_mode=none
- 3.42.0 imas://uda.ipp.mpg.de:56565/uda?path=/root/public/imasdb/aug/3/32408/9&backend=hdf5;cache_mode=none
- 3.42.0 imas://uda.ipp.mpg.de:56565/uda?path=/root/public/imasdb/aug/3/32408/10&backend=hdf5;cache_mode=none
- 3.42.0 imas://uda.ipp.mpg.de:56565/uda?path=/root/public/imasdb/aug/3/32408/11&backend=hdf5;cache_mode=none
- 3.42.0 imas://uda.ipp.mpg.de:56565/uda?path=/root/public/imasdb/aug/3/32408/12&backend=hdf5;cache_mode=none
- 3.42.0 imas://uda.ipp.mpg.de:56565/uda?path=/root/public/imasdb/aug/3/32408/13&backend=hdf5;cache_mode=none
- 3.42.0 imas://uda.ipp.mpg.de:56565/uda?path=/root/public/imasdb/aug-dmp/3/41570/1&backend=hdf5;cache_mode=none
- 3.42.0 imas://uda.ipp.mpg.de:56565/uda?path=/root/public/imasdb/aug-dmp/3/41570/3&backend=hdf5;cache_mode=none
- 4.1.1 imas://uda.ipp.mpg.de:56565/uda?path=/root/public/imasdb/aug-dmp/4/41570/2&backend=hdf5;cache_mode=none
- 4.1.1 imas://uda.ipp.mpg.de:56565/uda?path=/root/public/imasdb/aug-dmp/4/41570/4&backend=hdf5;cache_mode=none

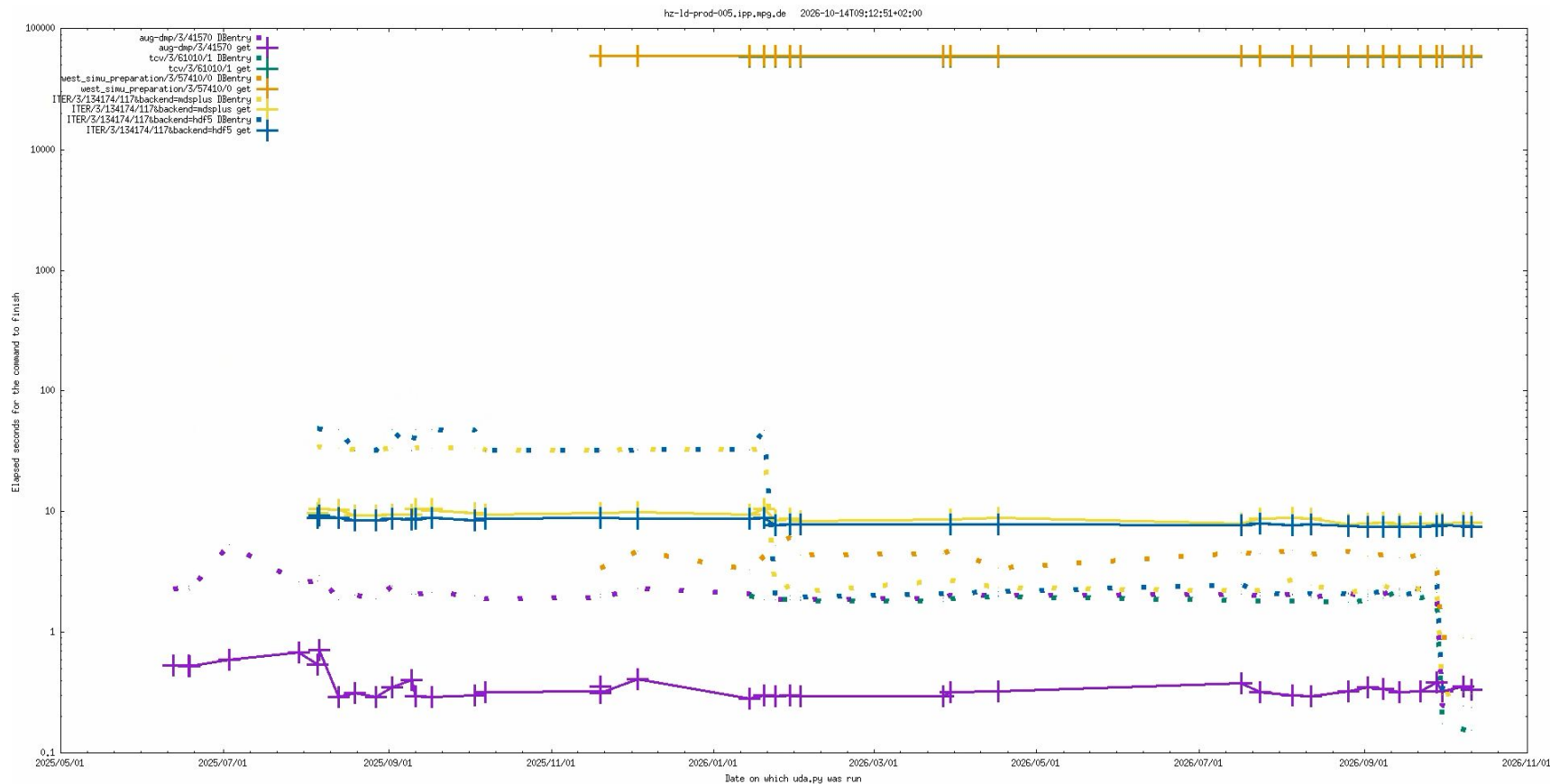
Data access times: run on Gateway



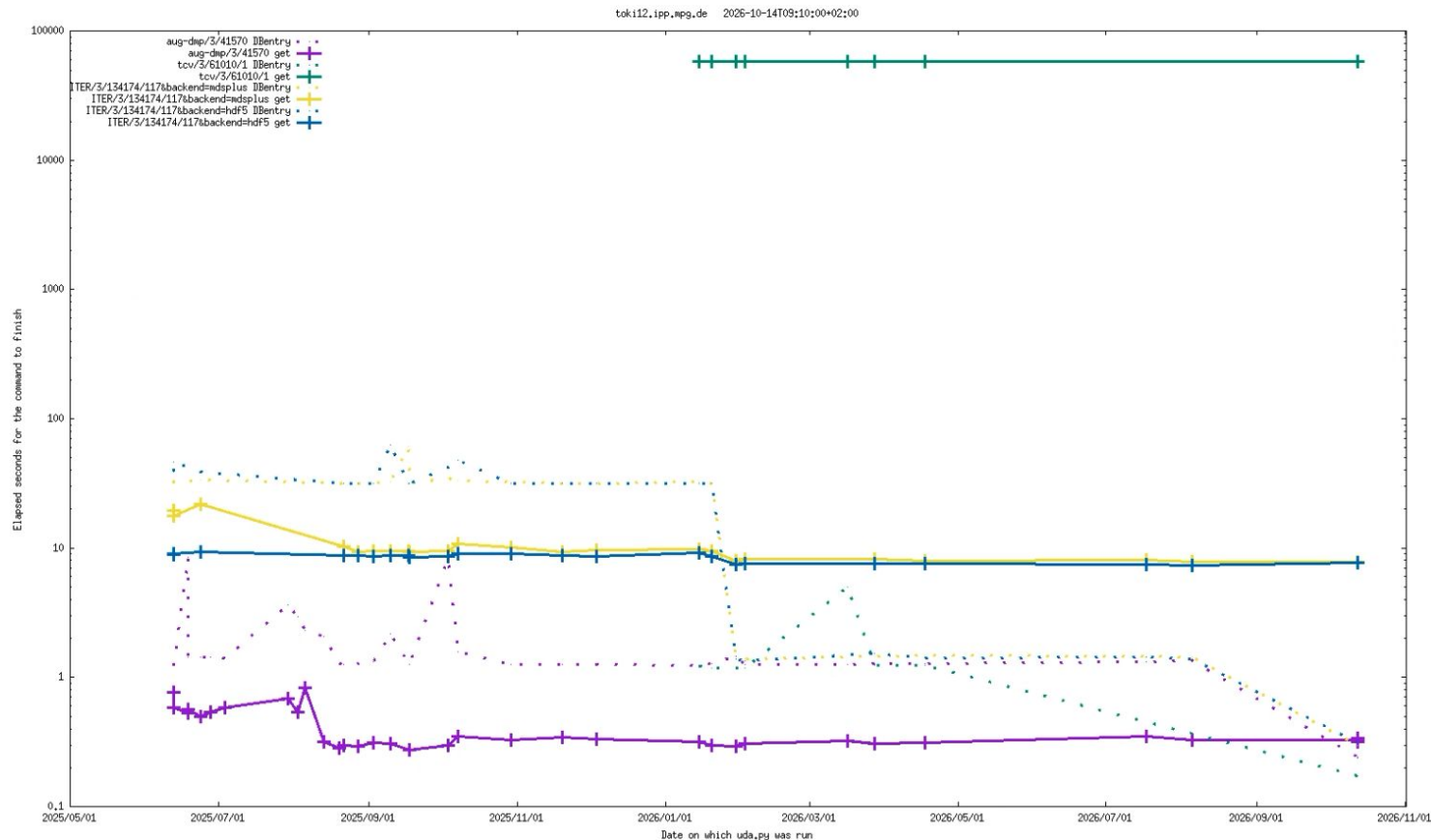
Data access times: run at ITER (IMAS-PYTHON)



Data access times: run on IPP (Horizon)



Data access times: run on IPP (TOK cluster)



Data access times: run on laptop (IMAS-PYTHON)

