

# DMP Implementation Status of IPP

2024-10-16

# Further analysis of the table from Agata

- Imported table ro  
[https://docs.google.com/spreadsheets/d/13i4p8R1UZ3\\_2igQyCErAbvWY9Y278-wq/edit?usp=sharing&ouid=103739179304413502610&rtpof=true&sd=true](https://docs.google.com/spreadsheets/d/13i4p8R1UZ3_2igQyCErAbvWY9Y278-wq/edit?usp=sharing&ouid=103739179304413502610&rtpof=true&sd=true)
- Broke data supply rates by section
- AUG data
  - to be added
  - not present priority (to be supplied by others?)

SUMMARY	WEST	AUG	TCV
<b>Filled Variables</b>	234 / 177	39 / 1775	35 / 1775
<b>Percentage of Variables Filled</b>	13.18%	2.20%	1.97%
global_quantities	55	24	25
local	69	0	0
boundary	16	6	8
pedestal_fits	0	0	0
line_average	36	2	0
volume_average	36	0	1
disruption	1	0	0
elms	0	0	0
fusion	1	0	0
gas_injection_rates	11	0	1
gas_injection_accumulated	1	0	0
gas_injection_prefill	0	0	0
heating_current_drive	3	6	0
runaways	0	0	0
scrape_off_layer	2	0	0
time_breakdown	1	0	0
plasma_duration	1	0	0
time_width	1	1	0
time	0	0	0
	234	39	35

# SPACK based IMAS

- SPACK for prerequisites + IMAS installer
  - Installed IMAS/3.42.0-4.11.10 on Citrix system
  - Needed to modify SPACK recipe for a more recent MDSplus version
    - Experiencing some problems writing MDSplus data – need to find the time to diagnose
      - Or just tell people to ignore MDSplus ...

# EasyBuild based IMAS

- Reinstalled UDA/2.7.5-intel-compilers-2023.2.1 on TOK cluster
  - To fix
    - Please verify that both the operating system and the processor support Intel(R) X87, CMOV, MMX, SSE, SSE2, SSE3, SSSE3, SSE4\_1, SSE4\_2, MOVBE, POPCNT, AVX, F16C, FMA, BMI, LZCNT, AVX2, AVX512F, AVX512DQ, ADX, AVX512CD, AVX512BW, AVX512VL, AVX512VBMI, AVX512\_VPOPCNTDQ, AVX512\_BITALG, AVX512\_VBMI2, AVX512\_VNNI and SHSTK instructions.
- Installed (TOK and/or Citrix)
  - IDS-Validator
  - SimDB
  - UDA (newer version)
  - JPyte
  - XMLlib
  - FortranParser
  - INTERPOS

# AUG restarted

- No shots to save yet ...

# uda.py data access times

