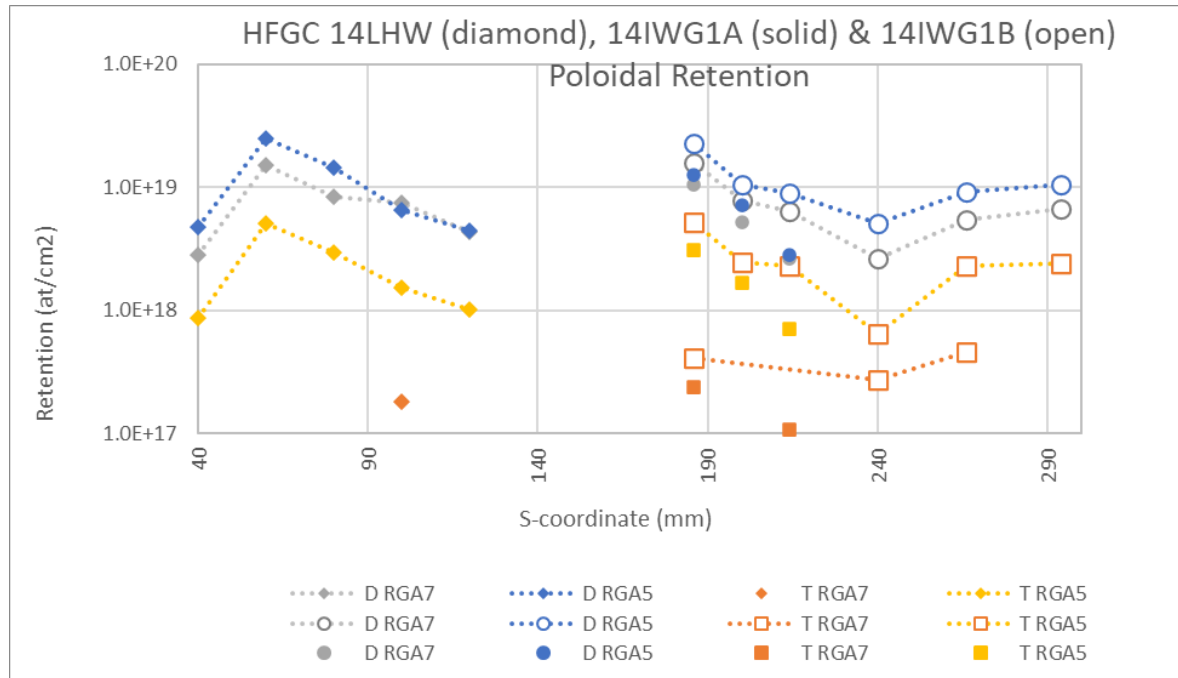


LID-QMS areal fuel retention at end of JET operations 19 & 20 December 2023

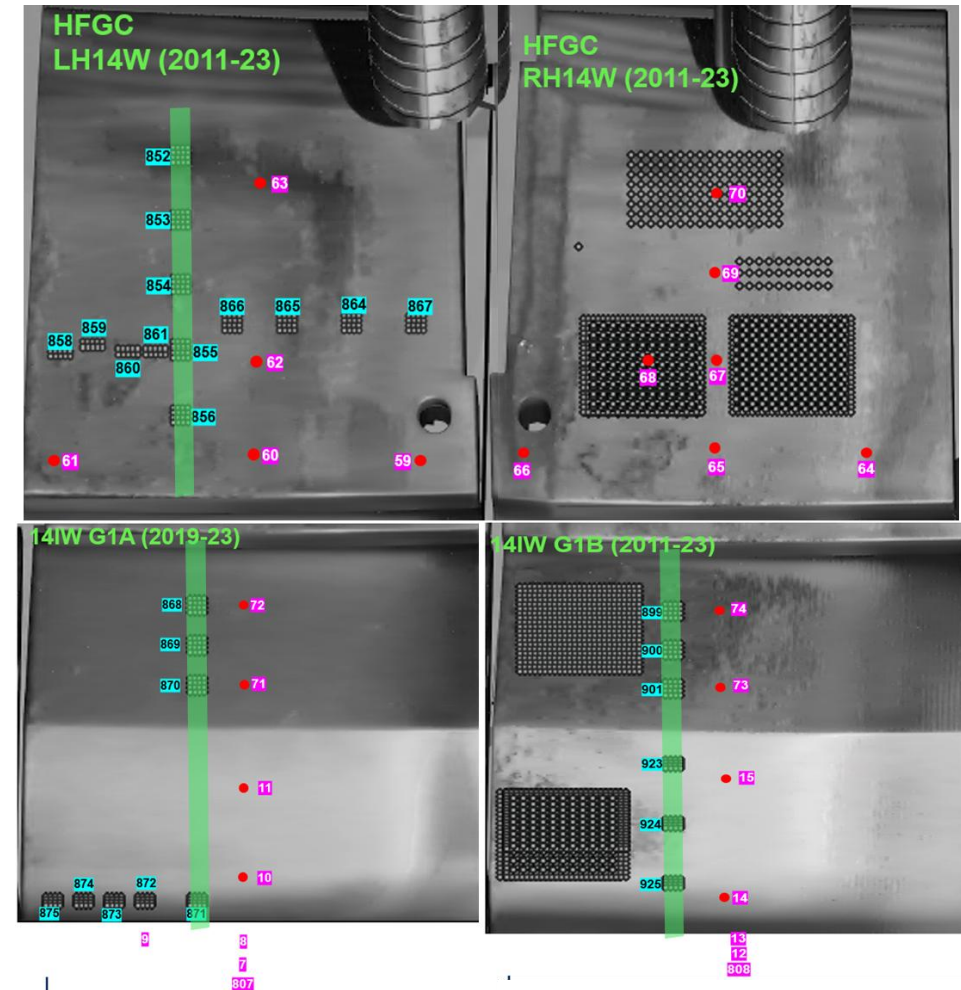


Assumptions:

AMU4 calibration factor used for AMUs

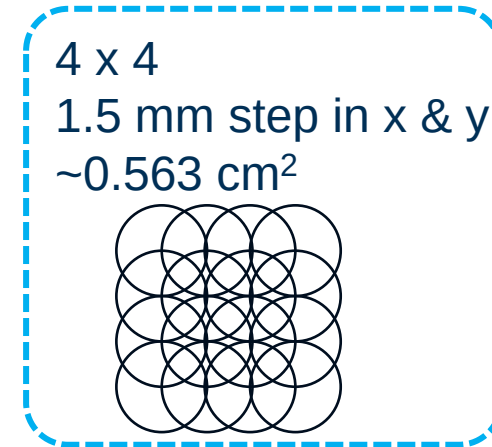
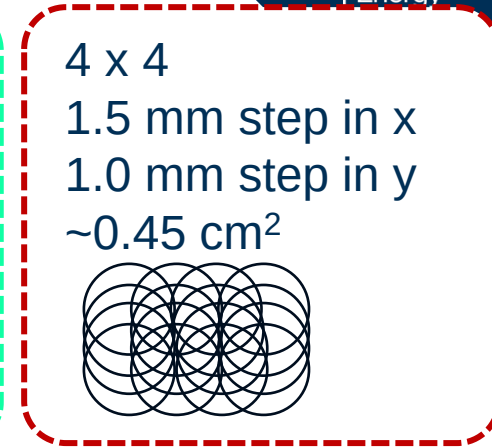
19/12/2023 AMU4 calibration factor used for 20/12/2023 data points

Calibration = Jump method



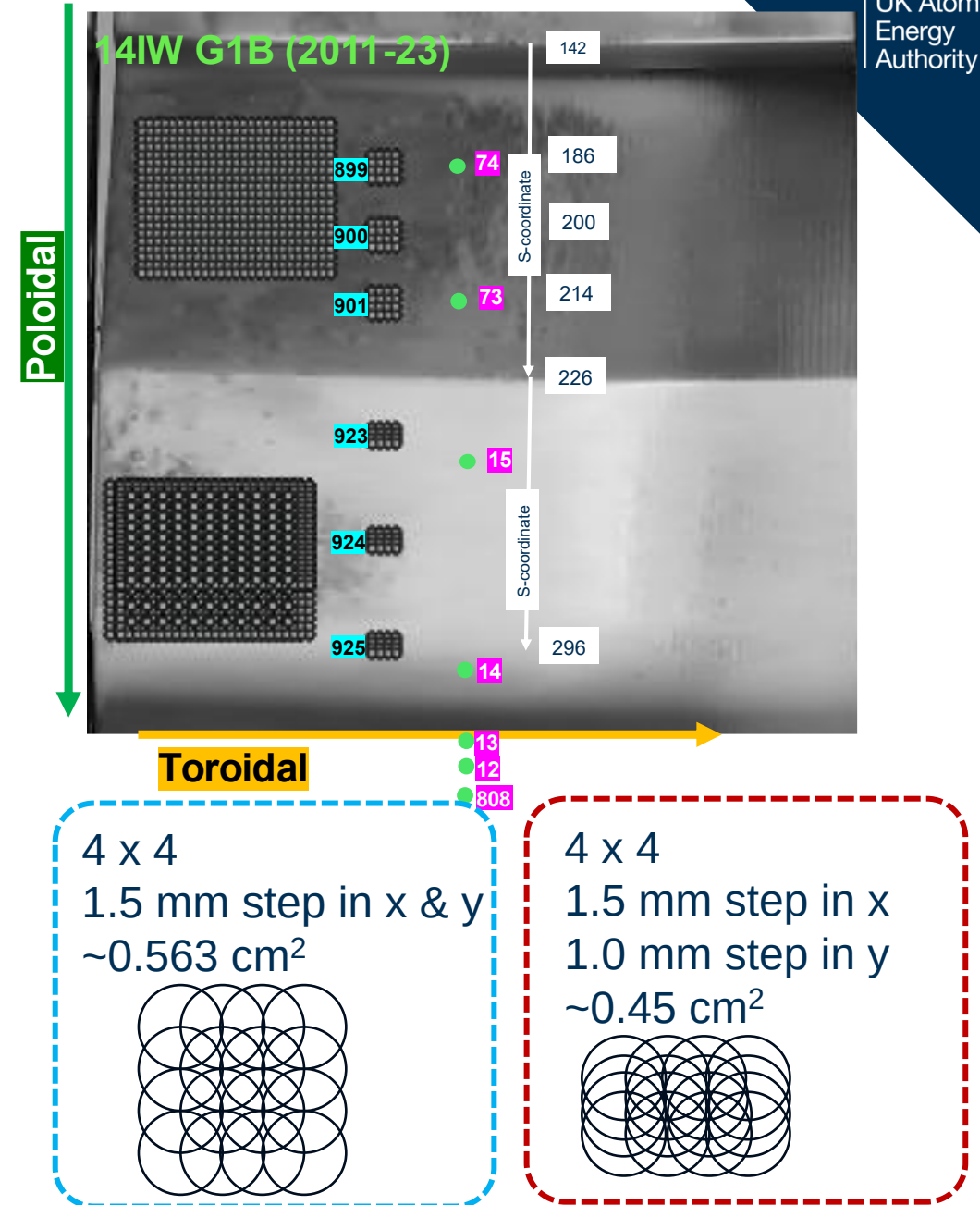
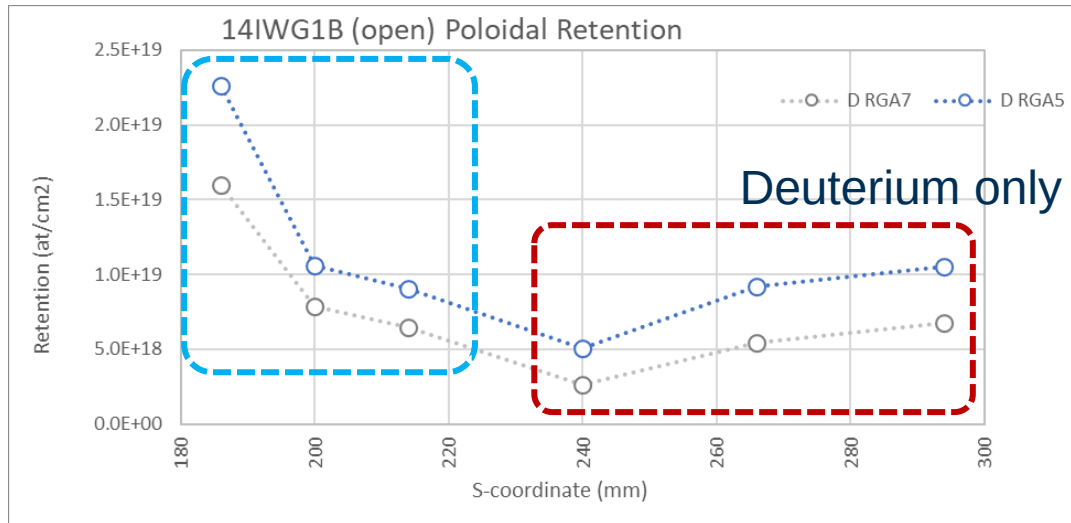
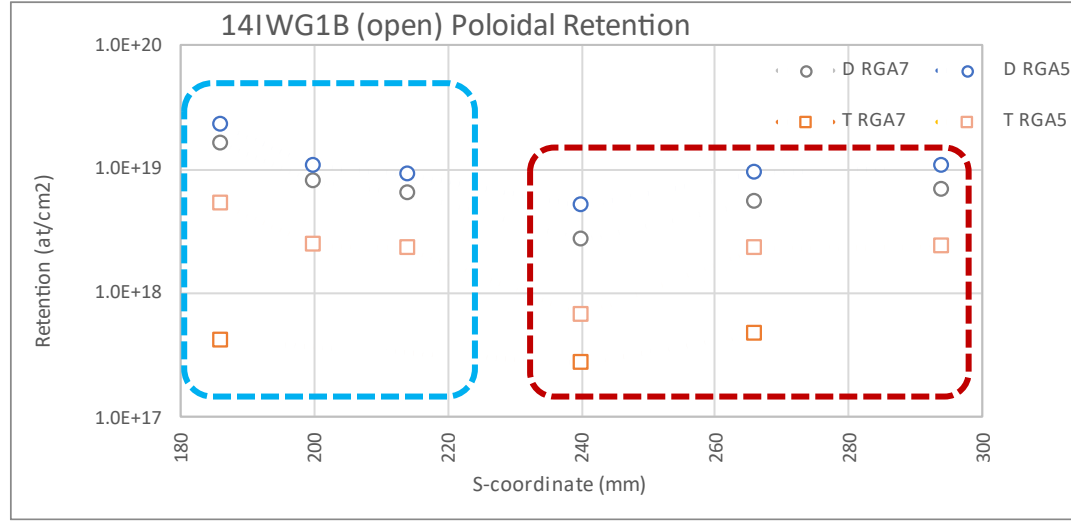
Assumptions

- Area of laser raster is approximate
- Gas calibrations from 19th December for AMU4
 - No calibration for 20th December
 - No scaling for AMU3, 5, 6
- AMU converted to atoms
 - AMU2 = 2 x H
 - AMU3 = 50:50 H:D
 - AMU4 = 2 x D
 - AMU5 = 50:50 D:T
- Jump method for data analysis and calibration factor
 - Started to apply 3σ
 - Any jumps $< 3\sigma$ considered limit of detection
- No pumping of calibration gas puffs...see Gennady's presentation later



14IWG1B Poloidal

Calibration factor for 20th December needed



14IWG1B Poloidal

