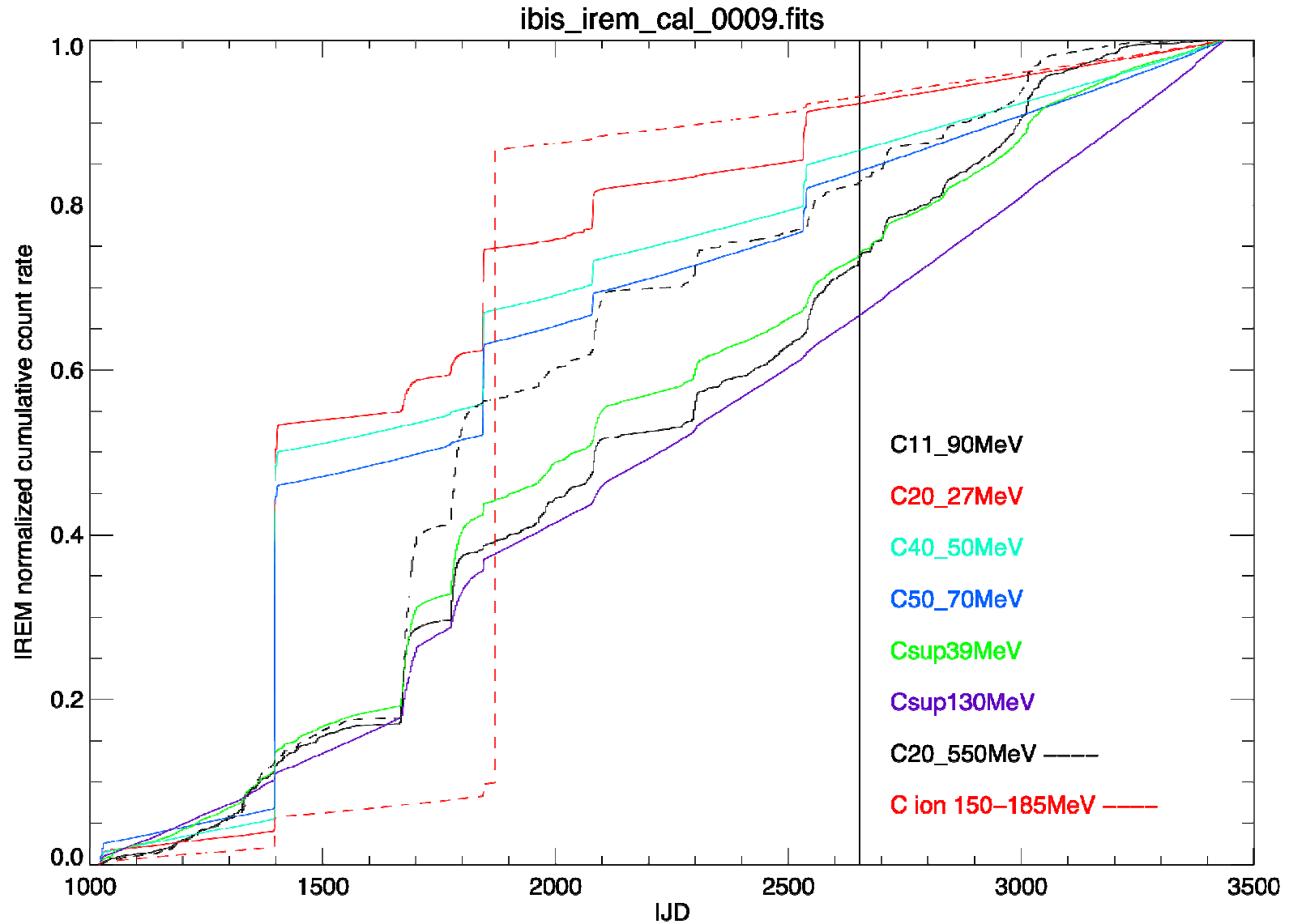


ISGRI ENERGY CALIBRATION

Isabel Caballero, Juan Zurita Heras,
Philippe Laurent, François Lebrun

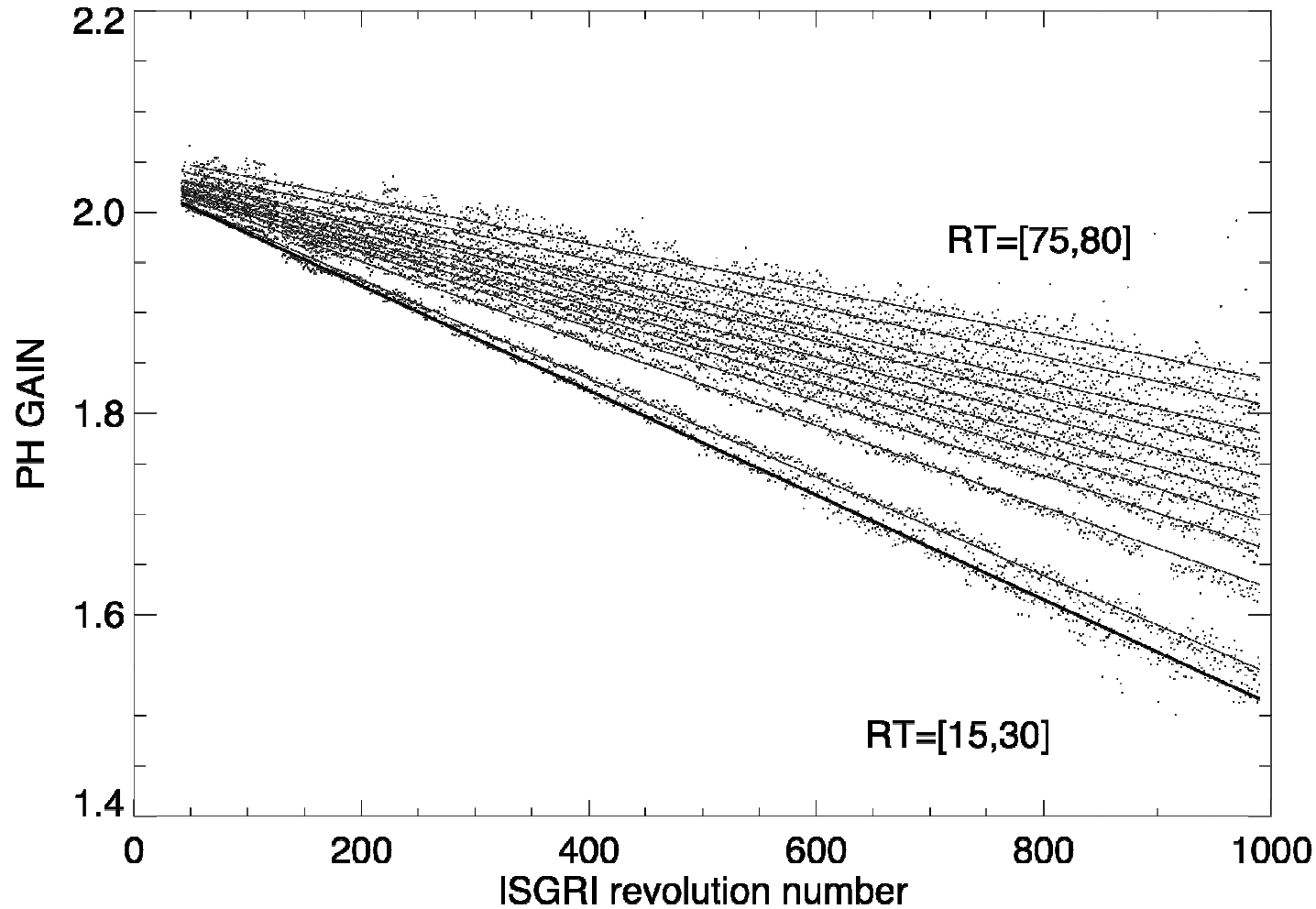
AIM CEA Saclay / APC Paris 7

OSA 9 correction based in IREM counters



OSA 10: PH gain-offset described as a function of time (and RT), not using IREM counters

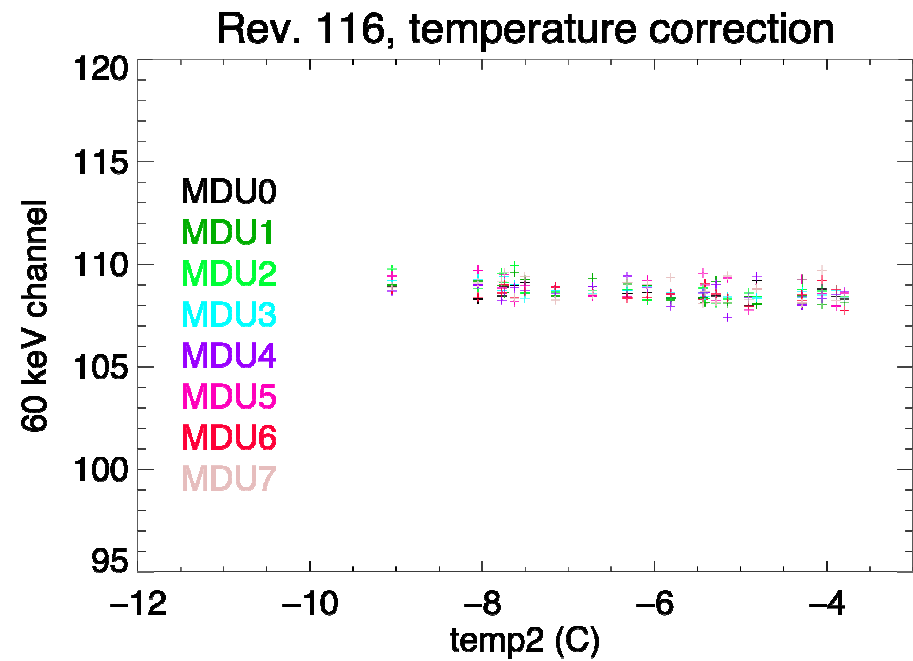
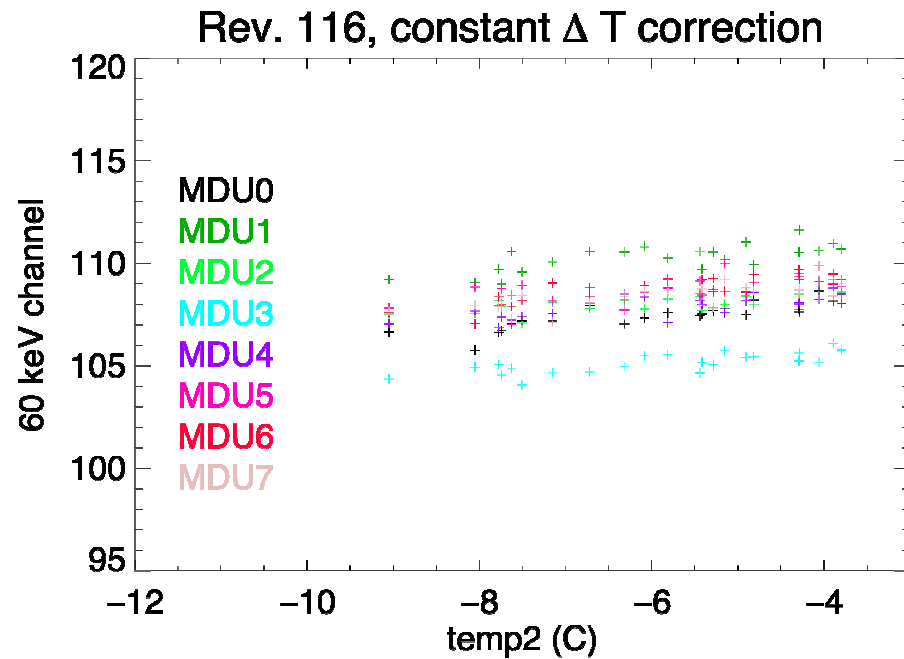
Gain evolution for different RT intervals



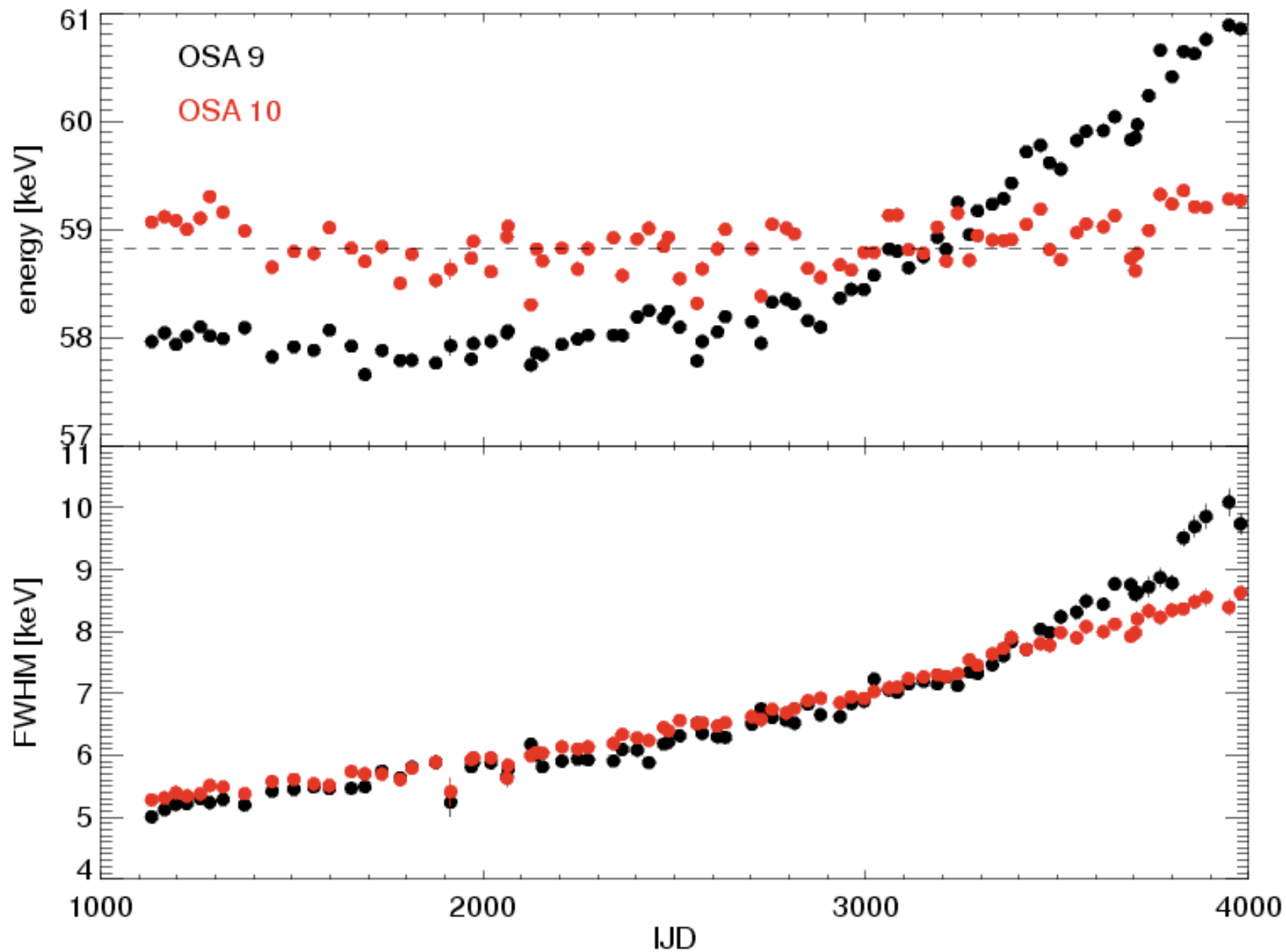
Temperature correction/ MDU

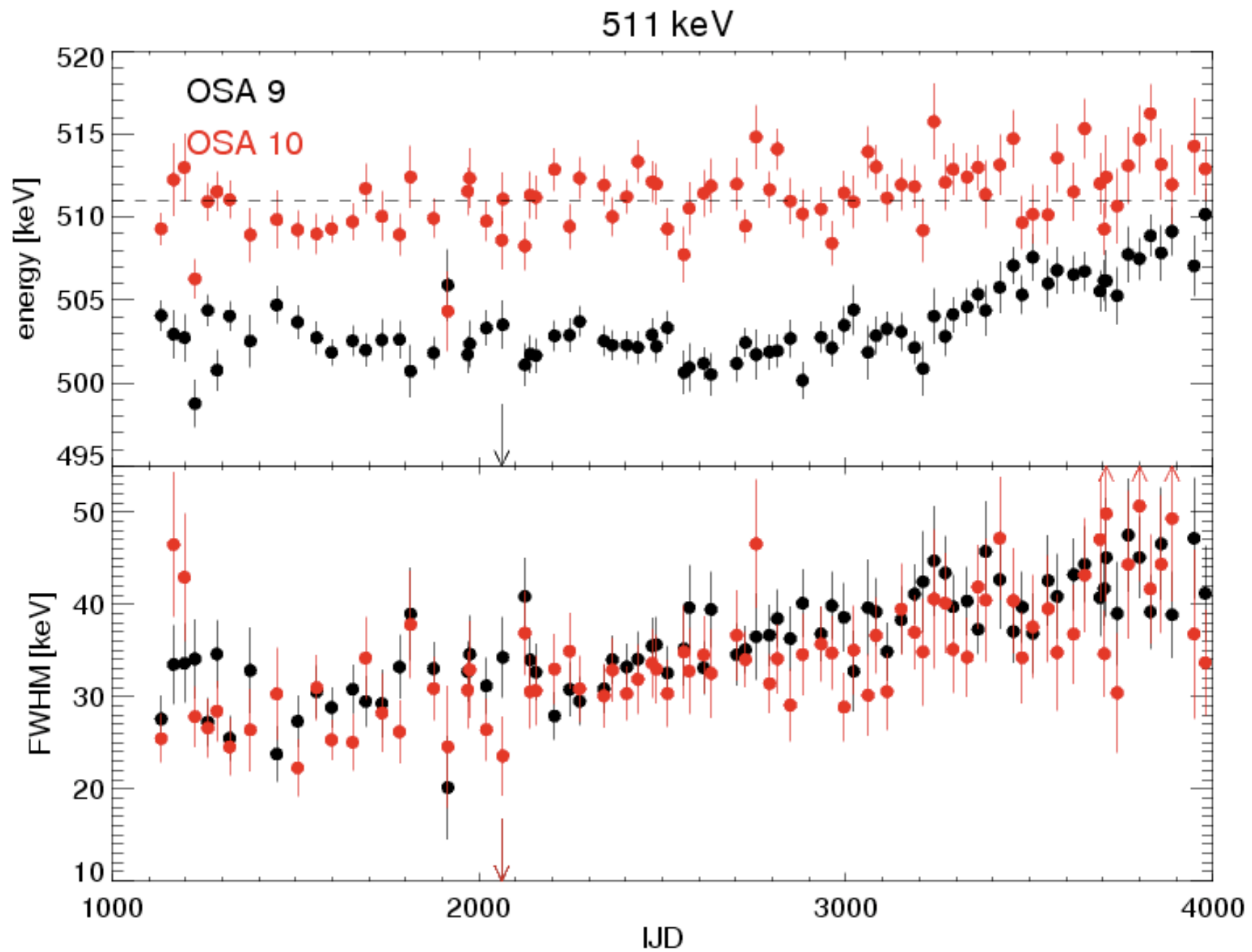
OSA 9: constant ΔT
between
modules assumed

OSA 10: real MDU temperature



59 keV





OSA 10: ISGRI_energy status

- Code developed in IDL and validated on ~ 80 SCWs sampling the mission duration
- Spectral drift properly corrected
- Small improvement in spectral resolution due to MDU temperature correction and better drift correction (not visible on single SCW)
- Code translated in C
- Identity of results with the two codes (C and IDL) tested on one SCW
- Ready to deliver the code to ISDC and Roma
- ICD for correction coefficients table to be established
- Coefficient table to be delivered
- A new set of ARFs must be produced and delivered