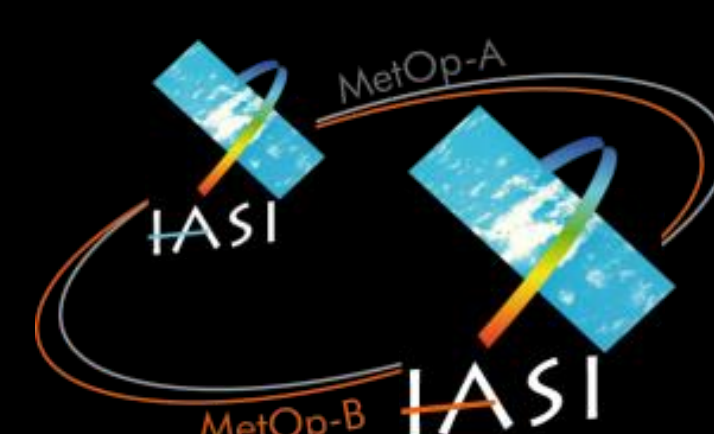


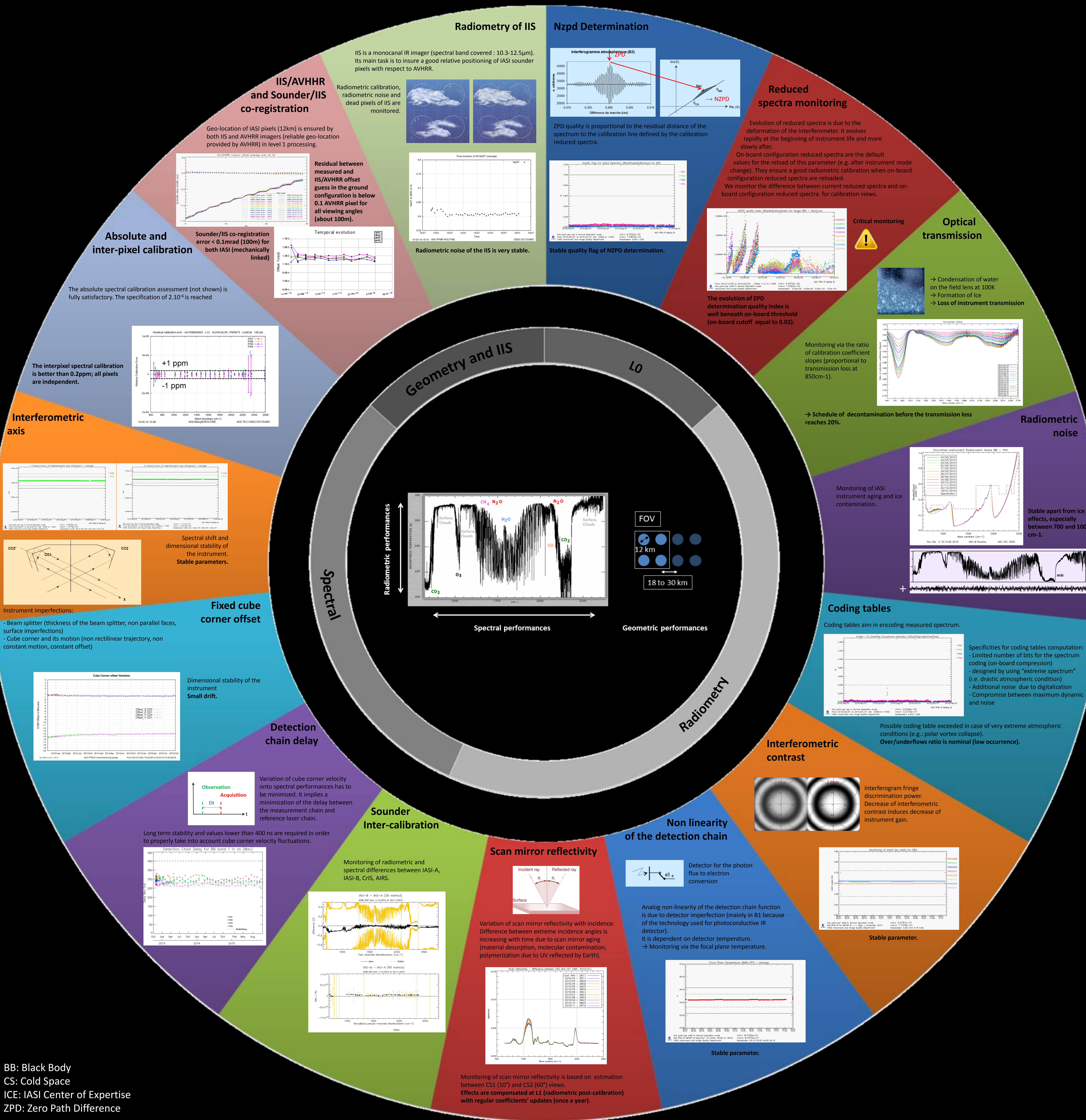


Performance status of IASI on-board Metop-A and Metop-B

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In-flight performance monitoring of the IASI level 0 (L0) and level 1(L1) processing is essential to guarantee the users that the data keep the required quality along the mission life time. Monitoring is also needed to detect and anticipate any evolution, and prepare corrections when possible. This is one of the main responsibilities of the IASI Center of Expertise (ICE) set-up and operated in CNES Toulouse. Here we focus on the IASI performances in terms of instrument and processing monitoring. This includes L0 and L1 data overall quality and the main spectral, radiometric and geometric performances. We explain why and how this monitoring is performed.



BB: Black Body
CS: Cold Space
ICE: IASI Center of Expertise
ZPD: Zero Path Difference

The performances of the two IASI instruments on-board Metop-A and Metop-B after respectively 9 years and 3 years are fully compliant with specifications. IASI performances are very satisfactory and very stable thanks to regular updates of on-board and L1 ground configuration files and thanks to specific operations. This allows to take into account and to compensate for the instrument evolution and aging, and to maintain the high level of performances.