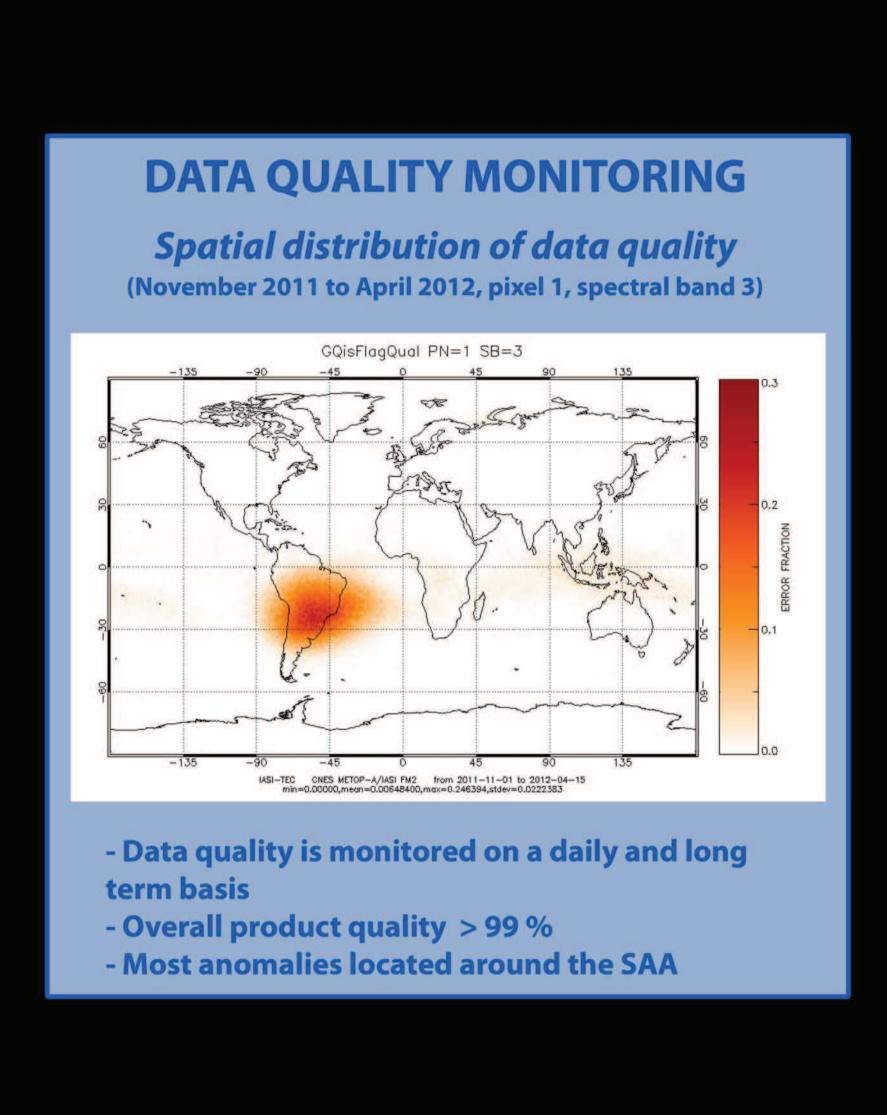


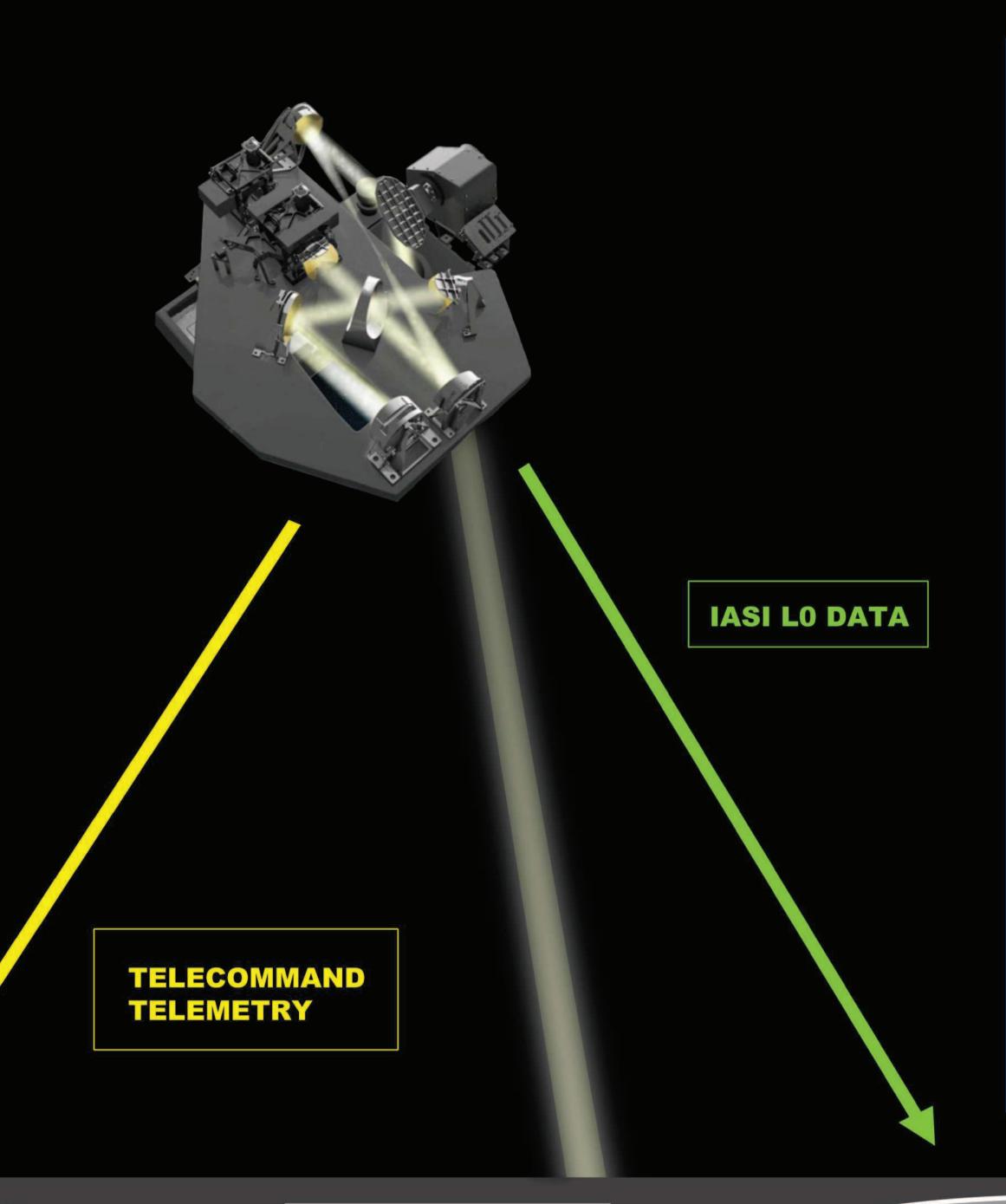
## JASI TECHNICAL EXPERTISE CENTER

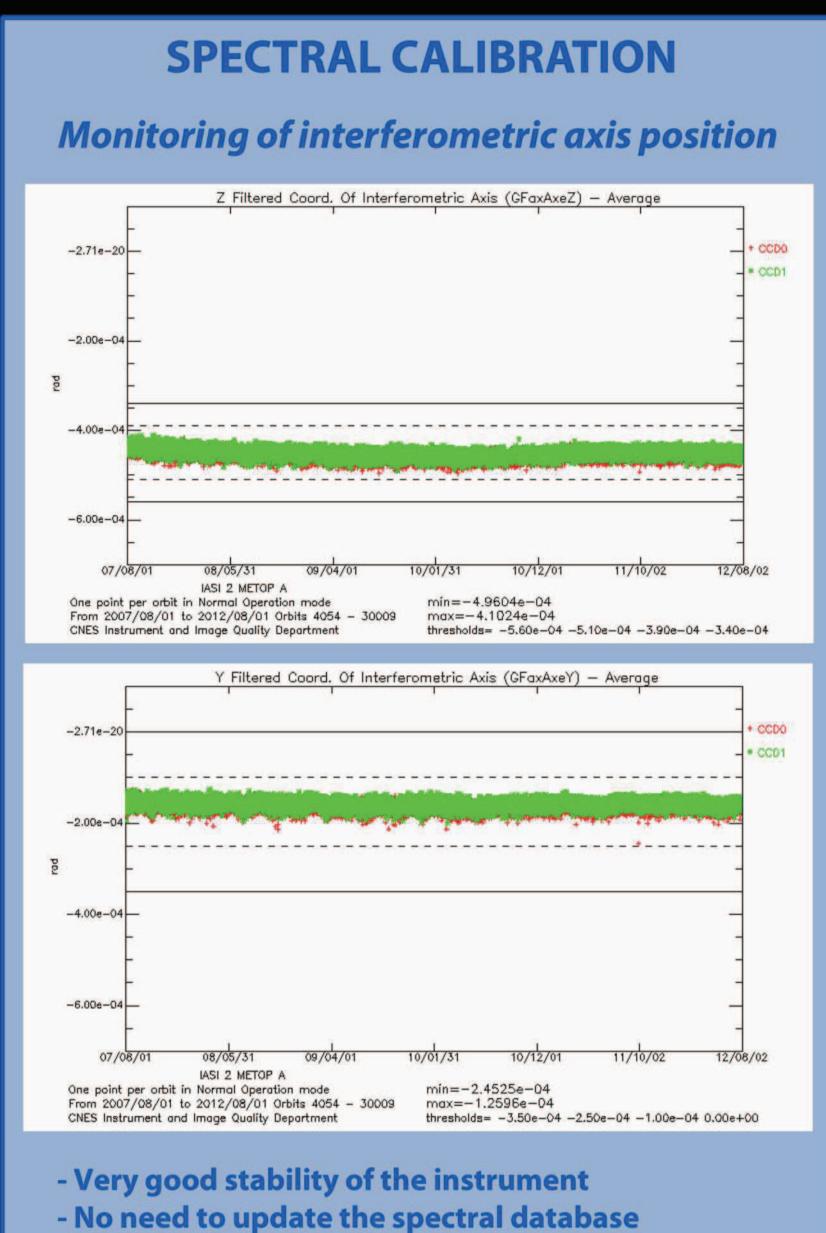
Jordi CHINAUD, Vincent LONJOU, Eric PEQUIGNOT, Elsa JACQUETTE, Laurence BUFFET, Denis JOUGLET, Carole LARIGAUDERIE CNES, Toulouse, FRANCE



Located in CNES Toulouse Space Center 24/7 performance monitoring of METOP-A / IASI FM2 since 2006 Key role in the coming CAL/VAL of METOP-B / IASI PFM-R







**Monitoring and Control** 



**Operational L1 Chain** 

**BOARD CONFIGURATIONS** 

**GROUND CONFIGURATIONS L1 SOFTWARE UPDATES** 

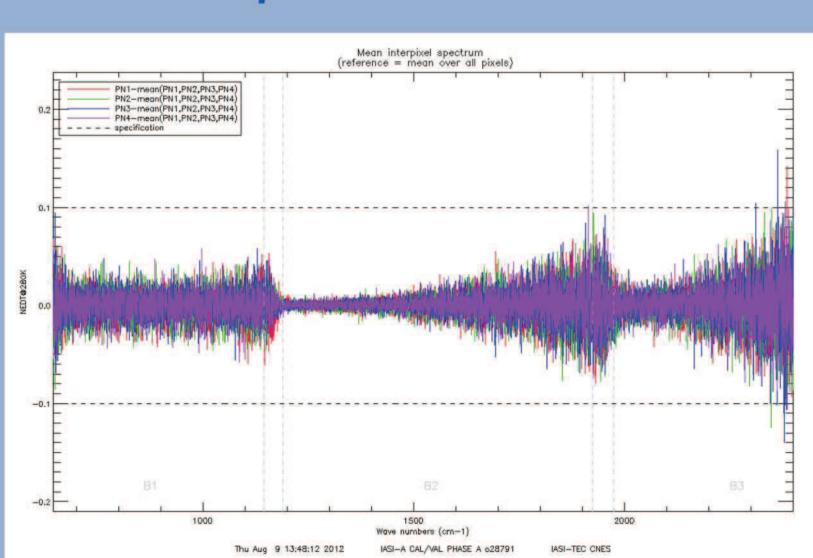
## **IASI TEC role:**

- Instrument monitoring
- Radiometric, spectral and geometric performance monitoring
- Generation, validation and delivery of configuration files: board and ground parameters
- Level 1 processing chain maintenance Operational requests: decontamination, calibrations, raw data selection
- Intercalibration of IASI with other sounders (AIRS)
- Quarterly performance reports:

http://smsc.cnes.fr/IASI/lien1\_car\_instr.htm

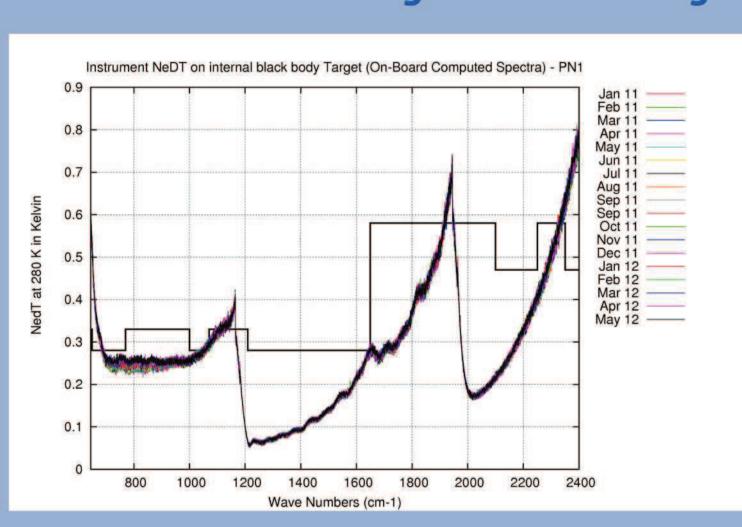
RADIOMETRIC PERFORMANCES

Interpixel radiometric calibration



- Interpixel calibration within specifications
- Good stability over time

Radiometric noise long term monitoring



- Very good stability of instrument noise
- To limit the degradation of transmission around 850 cm-1, decontamination is needed from time to time to remove ice contamination

(performed 3 times on IASI-FM2 since METOP-A launch, next one scheduled in 2015)

IASI DATA LO, ENGINEERING, **VERIFICATION DATA AVHRR** 35 Gb / day / instrument



**IASI L1 DATA** 

## **GEOMETRIC PERFORMANCES**

- Geometric calibration performed during external calibration
- IASI pixel location accuracy in AVHRR raster ~ 100 m
- Stable and well within specifications (5km)