OSTST **2026**

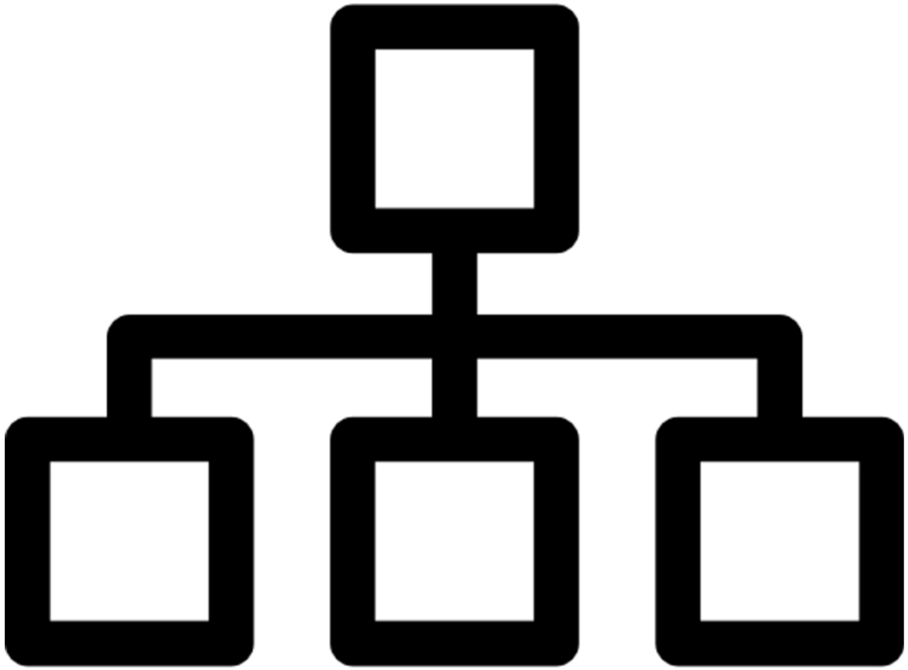
Presentation

SARAL mission overview

Saïd Haouchine
SARAL and SALP (Altimetry Constellation) Project Manager
CNES

IN PARTNERSHIP WITH

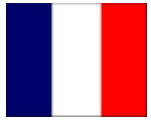
Organization



Organization

SARAL
MOU

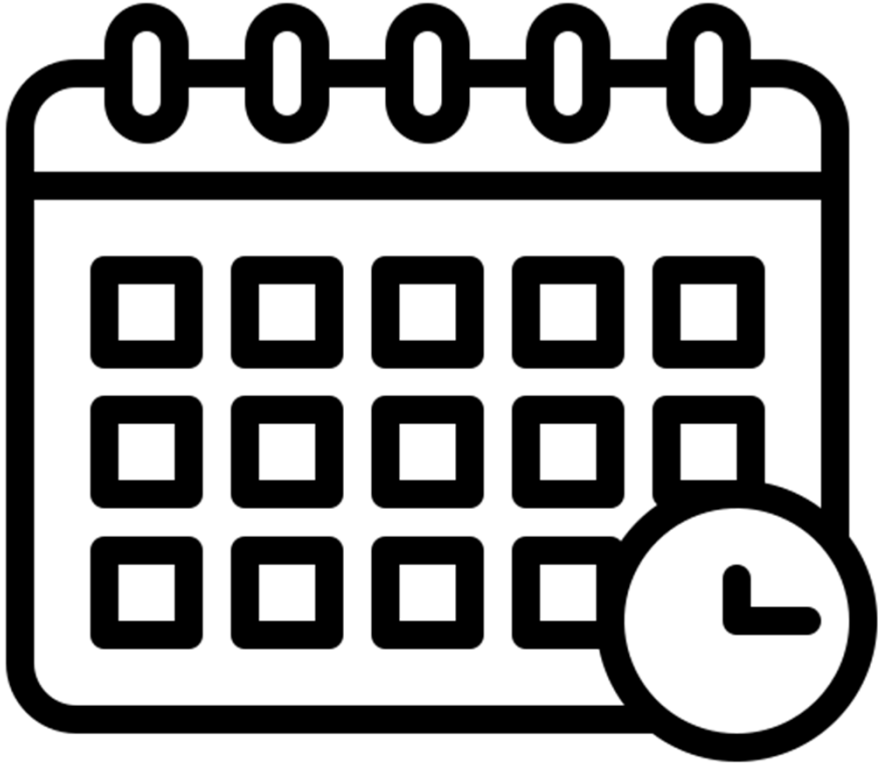
ARGOS 3
MOU



Agreement between
CNES & EUMETSAT

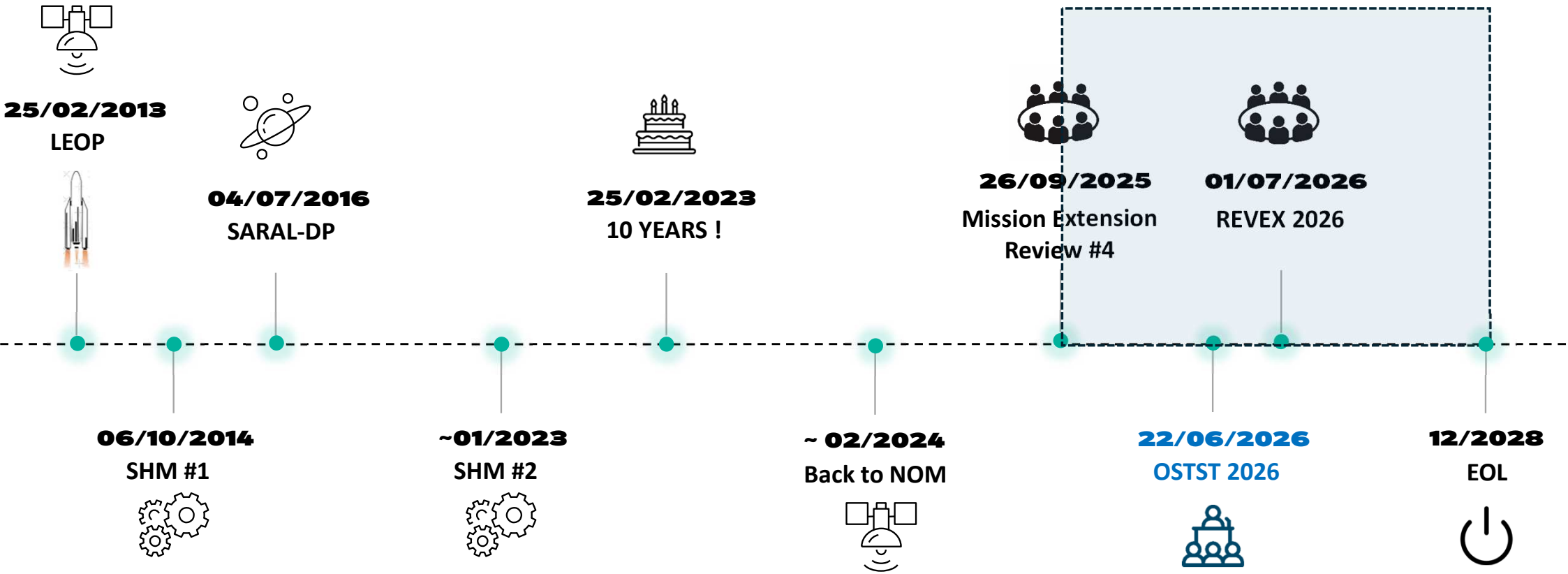
Satellite with **AR**gos and **AL**tika
"Simple" in Hindi

Programmatic

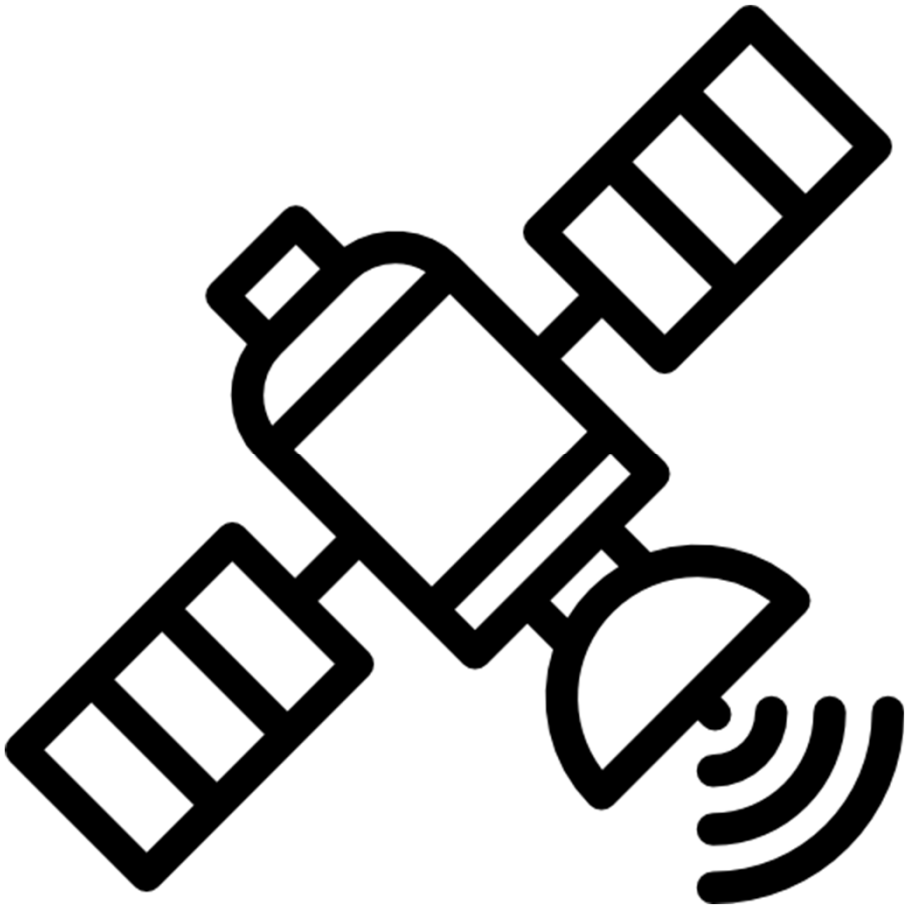


Programmatic Status

OSTST **2026**



Satellite Status



Payload Status

Altika : **excellent** performances – highly **stable**

Doris : **Very good** performances –

real time orbit accuracy ~ 4 cm RMS (radial)

Ob-board time tagging accuracy ~2 µs RMS

Argos 3 : All performances **compliant** with requirement (including L band component) – **Not impacted** by the drifted orbit

After 13 years : still excellent performances

Platform Status

Power : **Nominal** performances

Thermal : **Nominal** performances –

No redundancy to monitor SST#2 which is off

AOCS : **Good** performances – except **issues on DTG-3, RW and SS**

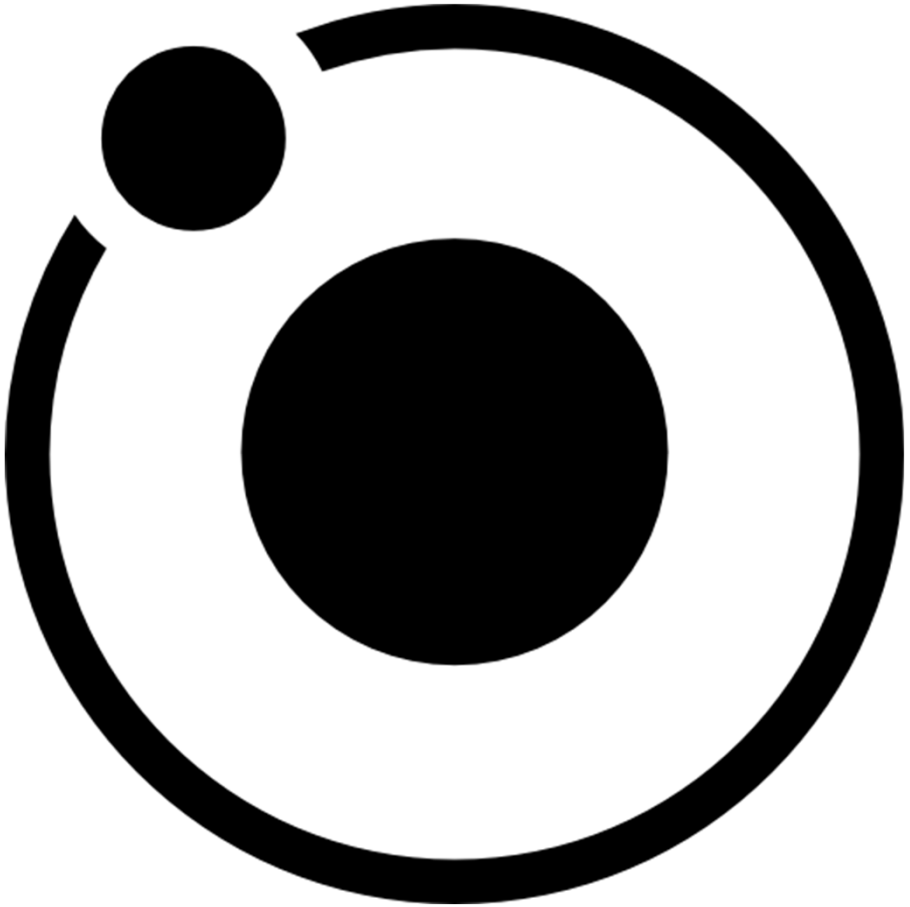
RW-1 OFF since SHM#1 (only 3 RW with ageing effect observed)

DTG-3 OFF since SHM#2

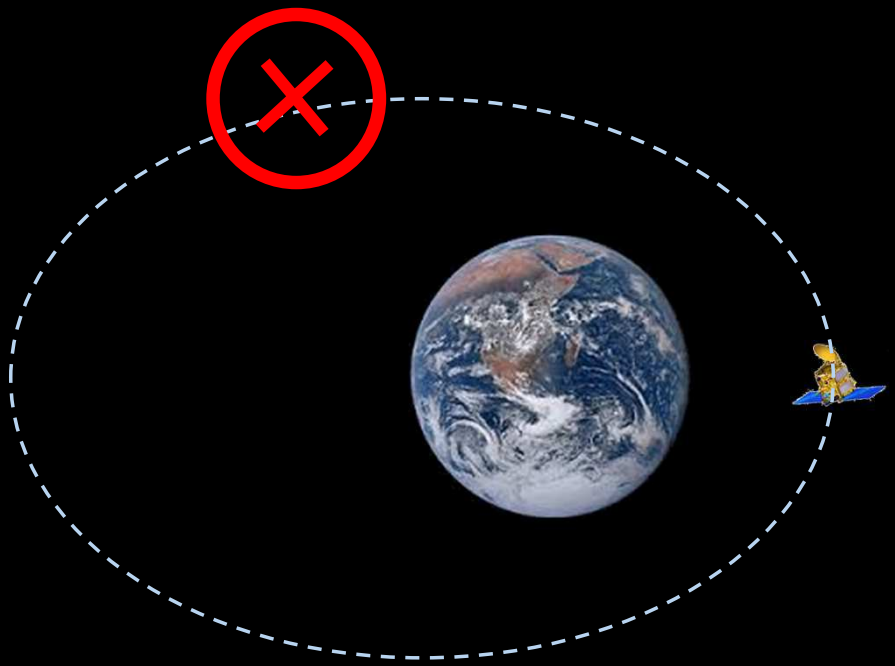
SS used in duty cycle mode due to cooling time requirement

Orbit change analysis in progress

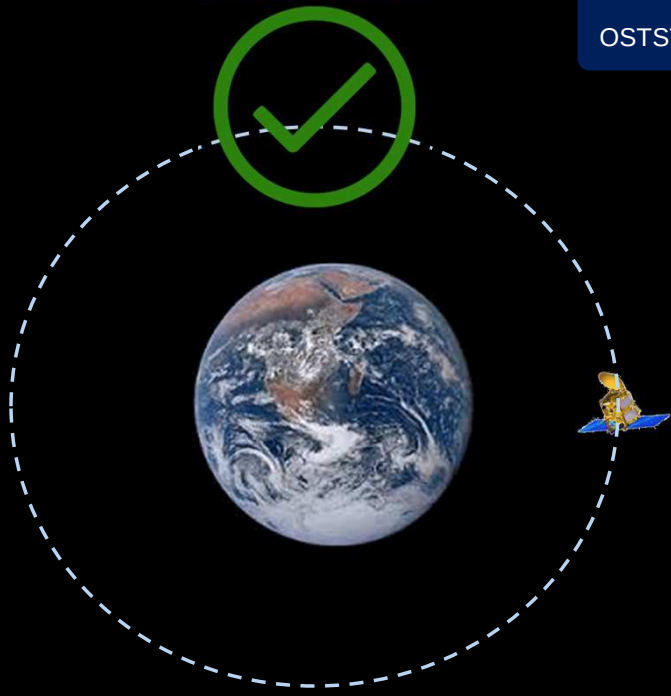
Orbit Status



Orbit change analysis



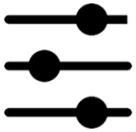
ELLIPTIC
726 x 608 km



CIRCULAR
674.3 x 664 km

Orbit Change Analisis

Feasibility Confirmed



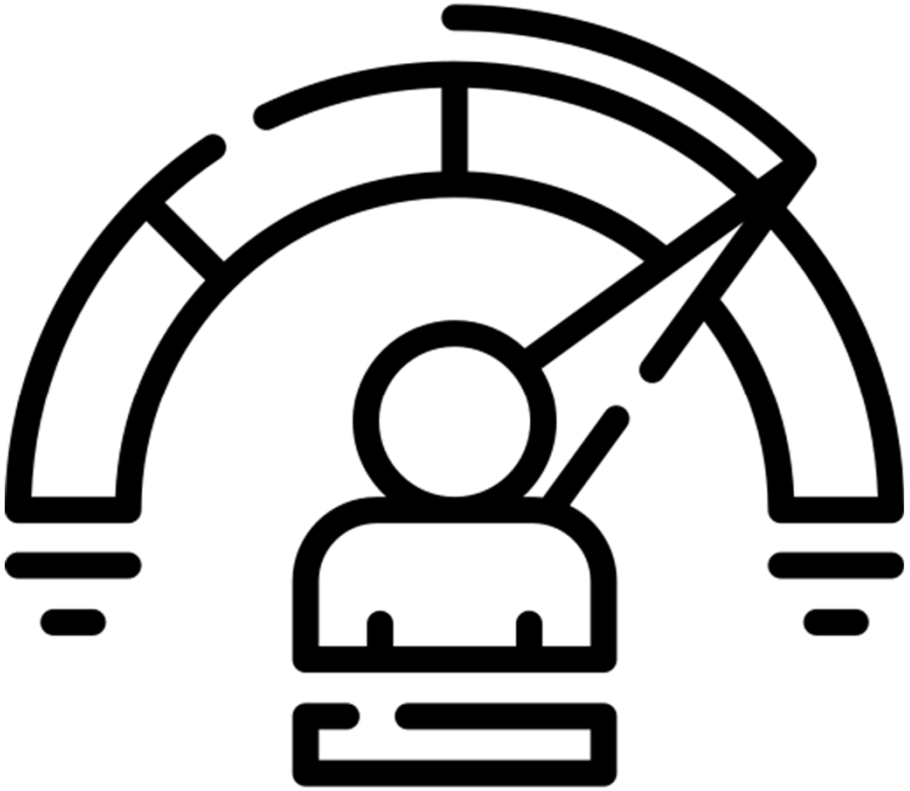
On board parameters : To be updated

No impact on DORIS, ARGOS and POD

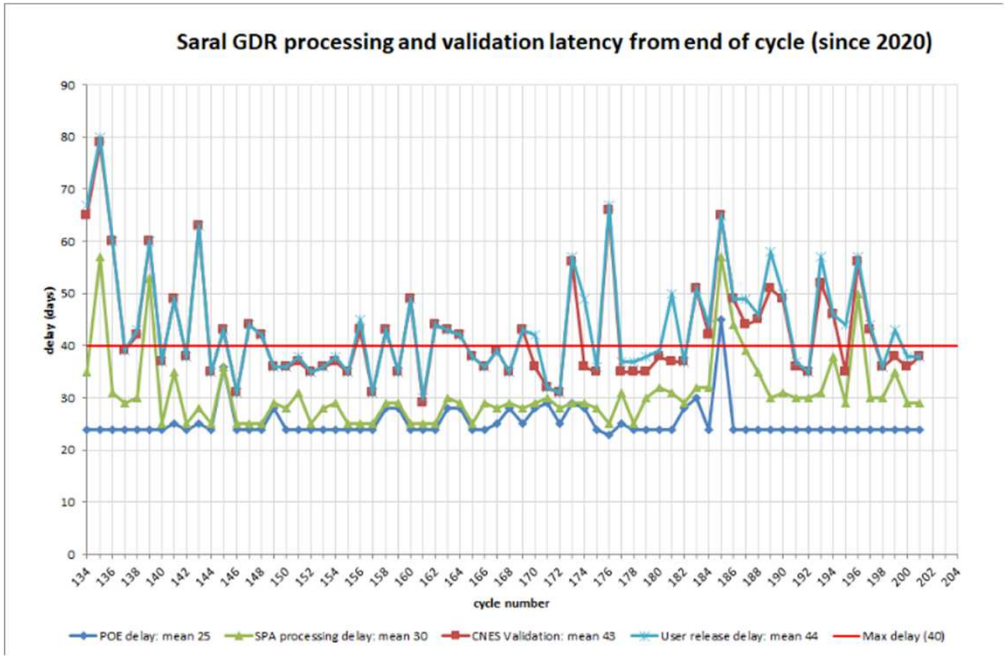
Ground segment To be updated

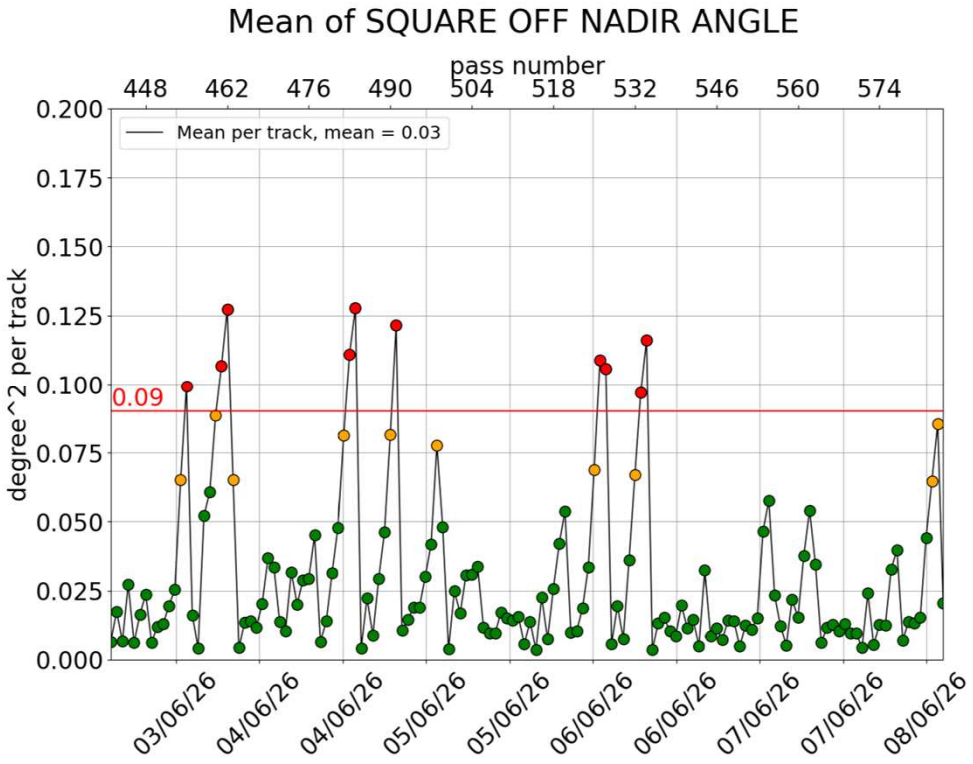
Orbit change decision to be taken during next REVEX (July 01st)

Performances

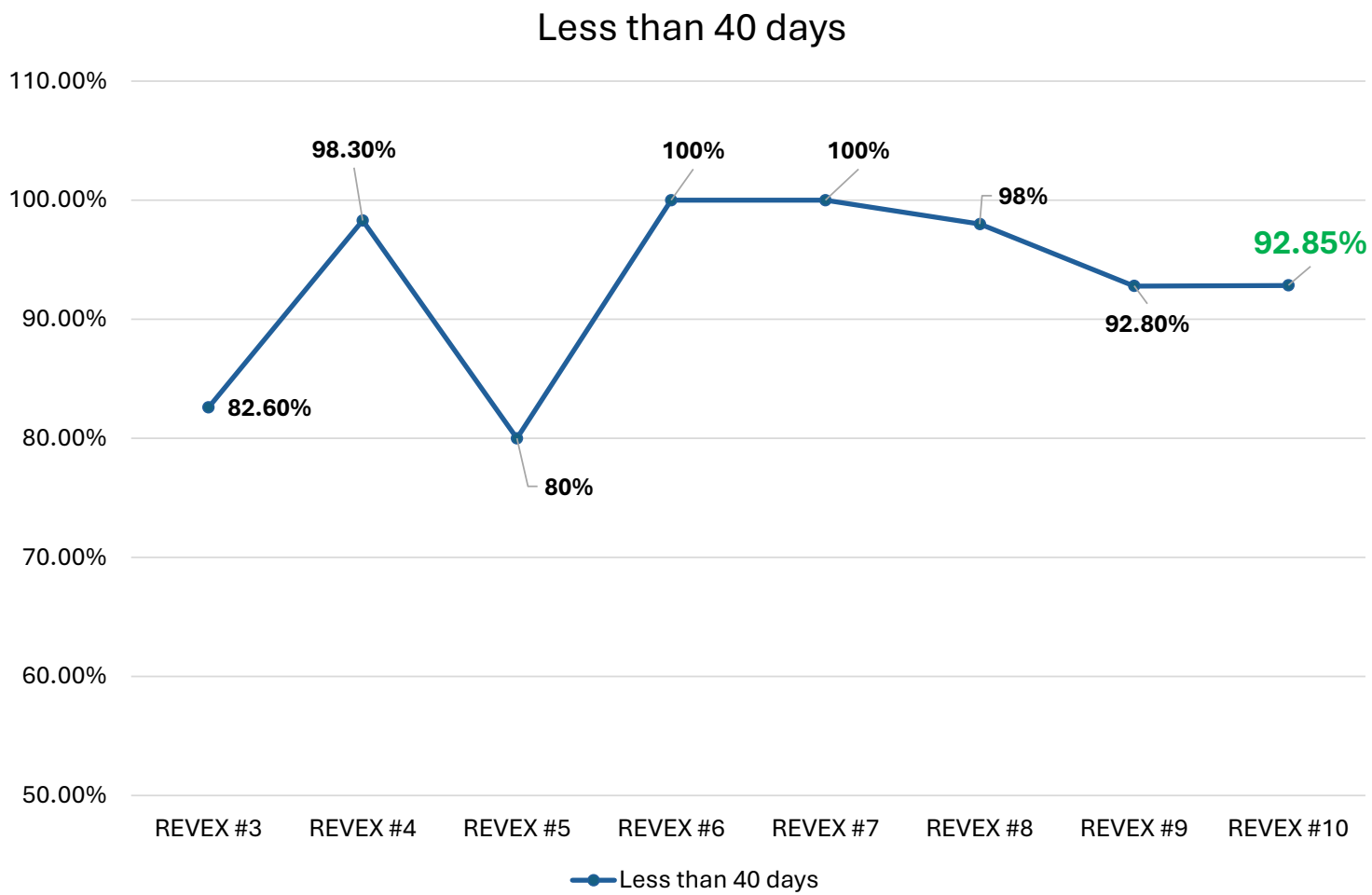


Performances

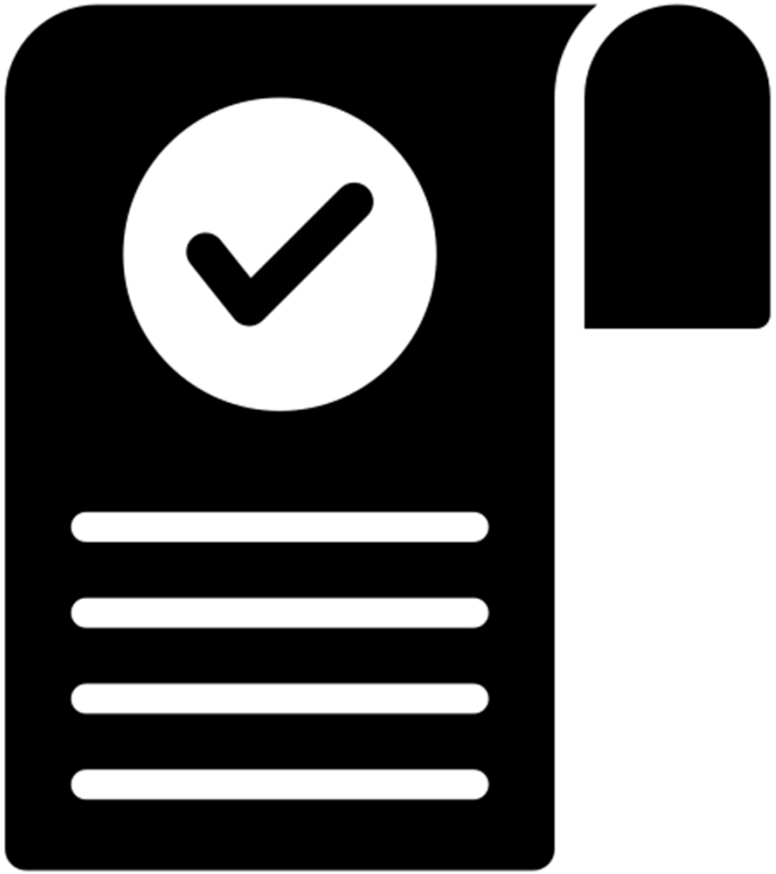




Performances



Conclusion



Conclusion

13 years in orbit !

Good performances despite some AOCS issues

Possible orbit change to be decided

Excellent coordination between CNES/ISRO and EUMETSAT

Many thanks to all