

First FFRF measurements

In parallel with the AFF Early Harvest, the FFRF subsystem commissioning started today with the first power-up of the FFRF instruments on Mango and Tango at 18:33 and 18:39 UTC. During the pass that followed ten minutes later, CNES was able to follow in real time as both receivers locked successfully onto the RF signals transmitted by the two FFRF transmitters, thus establishing the first RF metrology link in orbit.

Before the end of the twelve minute pass, successful checkout had been declared for both instruments, with normal temperatures, power consumptions and successful transmission of other telemetry. CNES could even provide the first coarse distance measurements which with an accuracy better than 50 cm exceeded expectations.

Instrument commissioning will continue until Wednesday and will be followed by calibration and thorough assessment of the in-orbit performance of the subsystem.

The FFRF instrument validation on PRISMA is part of the [FFIORD experiment](#) provided by CNES.

