LEO and the big blue marble, a bad combination for albedo errors

- Analogue Sunsensors show albedo sensitivity.
- The lower the orbit the larger the error.
- The wider the field of view the larger the error.
- Albedo error strongly depends on positioning on board of the satellite, altitude and local node time.
- Analogue Sunsensors with a digital interface have the same errors.
- True digital Sunsensors use multi elements to discriminate between Sun and albedo signal.
- No small and radiation hardened true digital Sunsensor known to exist to date.

NAPA-2 is flying 1 Auriga Startracker and 3 MAUS Sunsensors

Two out of three sensors show significant albedo errors (as expected) when compared to the startracker

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