



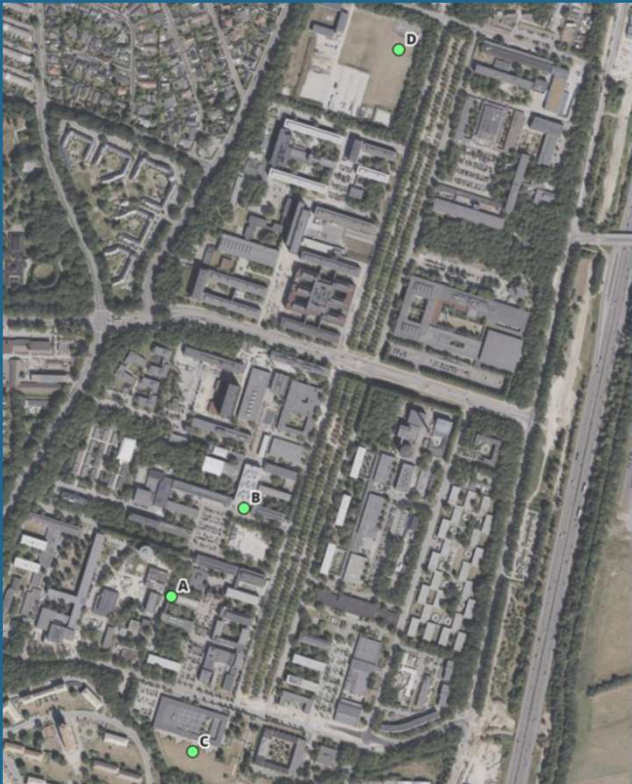
Experiences with EOS Arrow Gold+

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Agency for Climate Data

Tests done by DTU Space for KDS



Point A = Rooftop antenna of Building 348, with ideal field of view conditions.

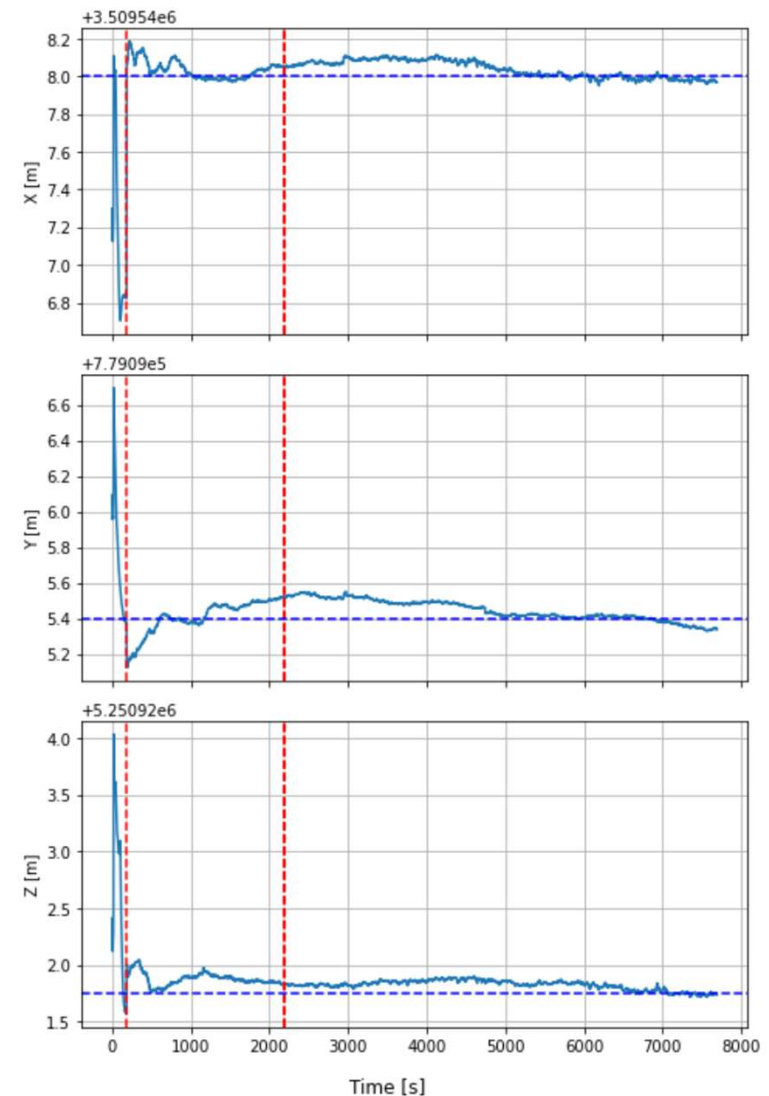
Point B = Urban location on the ground, with trees and tall buildings. The EOS antenna on a tripod was used.

Point C = Semi-urban location. Much larger field of view, but with presence of buildings and trees nearby. The EOS antenna was used.

Point D = Football field used in kinematic tests with very good field of view. The EOS antenna was used.

Static Test 1 (A)

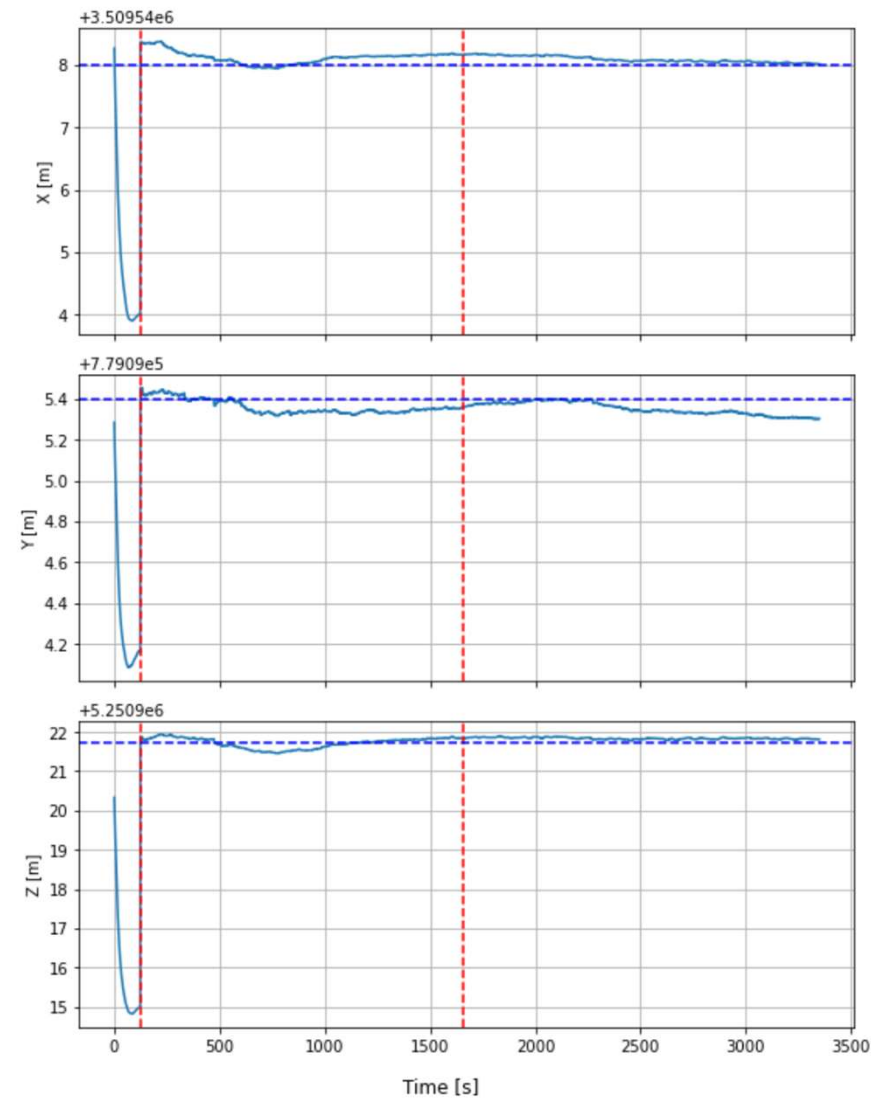
- Date: 07/06/2024
- Location: Rooftop of B348, same location as DNGL. Connected Arrow to the DNGL antenna (shared splitter).
- Time of measurements: 13:36 – 15:30
- Weather conditions: Sunny, partially cloudy.
- Comments: The location allows for an unobstructed view of the sky from a high spot with no obstacles. Float HAS was achieved after 3min, Fixed HAS was achieved after ~36min.



GALHAS FIX achieved after: 36.6 minutes

Static Test 3 (A)

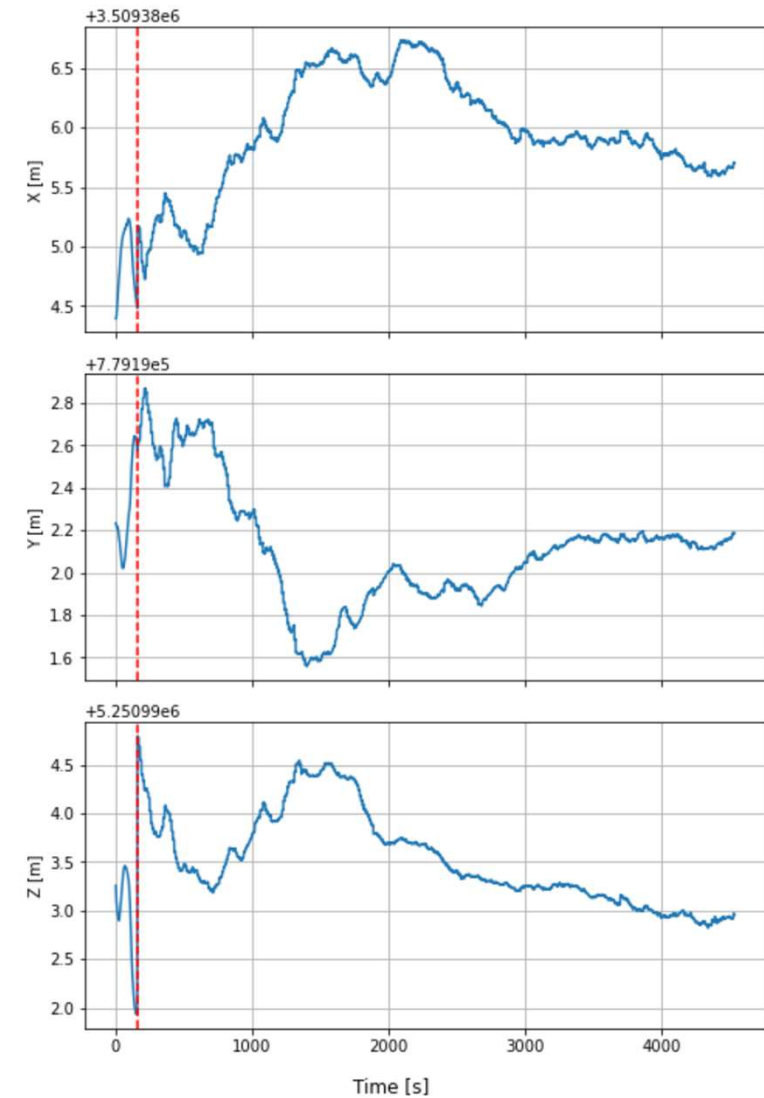
- Date: 31/07/2024
- Location: Rooftop of B348, same location as DNGL. Connected Arrow to the DNGL antenna (shared splitter).
- Time of measurements: 10:18 – 11:14
- Weather conditions: Sunny, partially cloudy.
- Comments: Float SBAS established from the start. Float GALHAS achieved 2 mins after the start of logging. Fixed GALHAS achieved after 27 min.



GALHAS FIX achieved after: 27.57 minutes

Static Test 3 (A)

- Date: 13/06/2024
- Location: Spot next to B324 and close to Spice Boat (see pictures below).
- Time of measurements: Start 09:24, ended earlier (10:40 instead of 10:54) due to sudden heavy rain.
- Weather conditions: Unpredictable weather that kept changing.
- Comments: Difficult urban location, right next to tall buildings and trees. Useful for comparing to open sky conditions, but yielded poor results. Even though the test was long, it never reached Fixed HAS, only Float HAS. The Float results show a large variability.



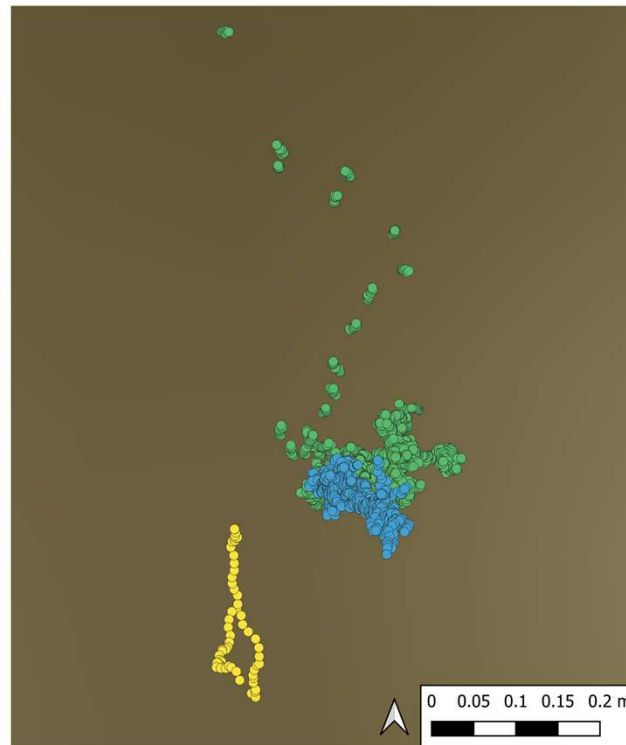
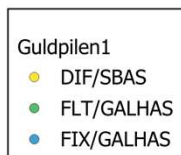
GALHAS FLT achieved after: 2.63 minutes

Pictures from area B



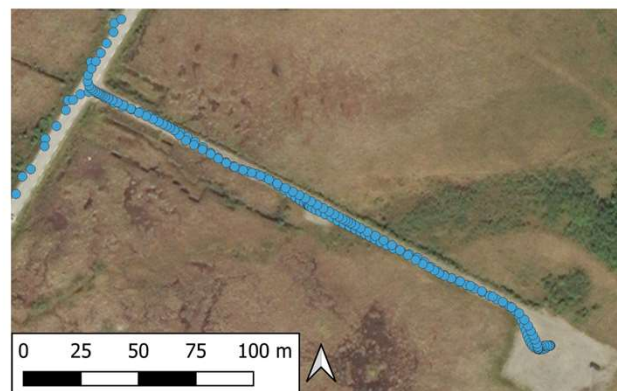
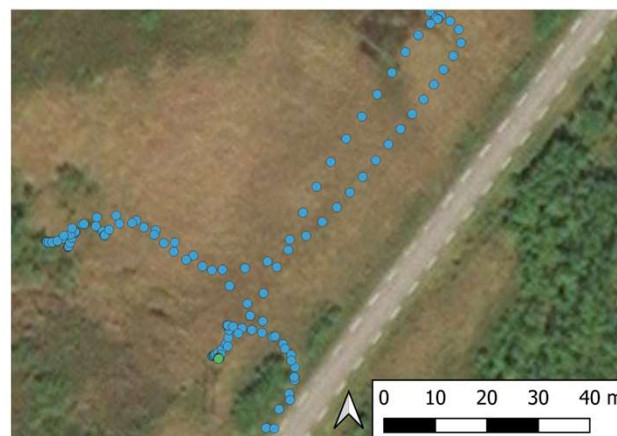
Tests from Jammertest 2024 (static)

Guldpilen 1



Test from Jammertest 2024 (kinematic)

Guldpilen 2



guldipilen2
● FLT/GALHAS
● FIX/GALHAS