Introducing Earthfence, a Deep Space Radar

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THOTH TECHNOLOGY

Services and products for space applications

SINTRA PROPOSERS’ DAY

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Thoth’s SSA Capability: Earthfence

- Software-defined digital radar.
- Radar Cross Section (RCS) detection >3 m².
- Ranges up to 50,000 km.
- +/- 25 m accuracy.
- Virtually Undetectable.
- Surveils crucial GEO assets
Earthfence Sensor Calibration

Earthfence residuals, Image Credits AGI.
UDL Latency < 1 Minute (SACT 20_01)
SACT: Confirmed G17 Safe Operation

M008 : Possible G17 Simulated Breakup

**Overview:** Looking for a possible telescope breakup at Latitude 32.903889, Longitude 105.528472

**How Initiated / Found:** Sherloc detection

**Time of Start:** 1016Z

**Time of Conclusion:** 14:00Z

**Technical Details of Interest:** Multiple fragments detected nearby by Stottlet, breakup later confirmed on 31307 by Lockheed/SDCCS. Seradata found evidence possibly linking breakup to Spacebus 3000.

**What Providers Contributed:** Stottlet, SaberAstro, SDCCS, Lockheed Martin, Seradata

**Primary Graphics**

- Automated head-count
- sdccs waterfall confirming breakup on 31307
- Latest observations on GALAXY-17 from Numerica and EXO
Saber Visualisation ThothX DSR Data
Thank You

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