

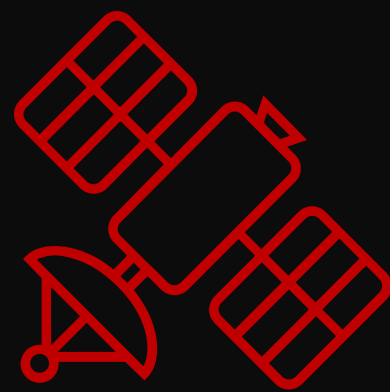
ALDORIA

PROTECTING
SPACE ASSETS





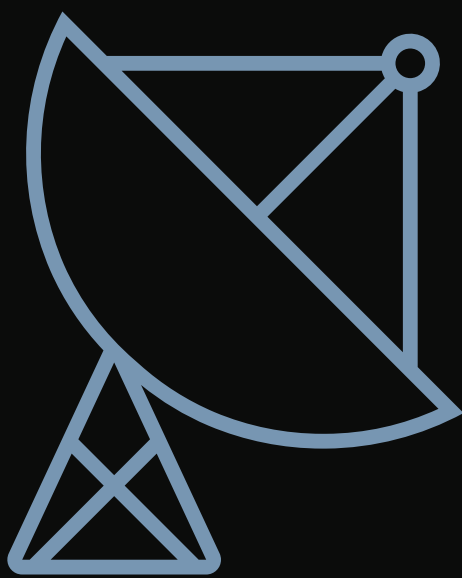
EUROPEAN LEADER IN GROUND-BASED OPTICAL SPACE SURVEILLANCE



SPACE-BASED



LASER
RANGING



PASSIVE RF

ALDORIA



OPTICAL



RADAR



INFRARED

SPAIN



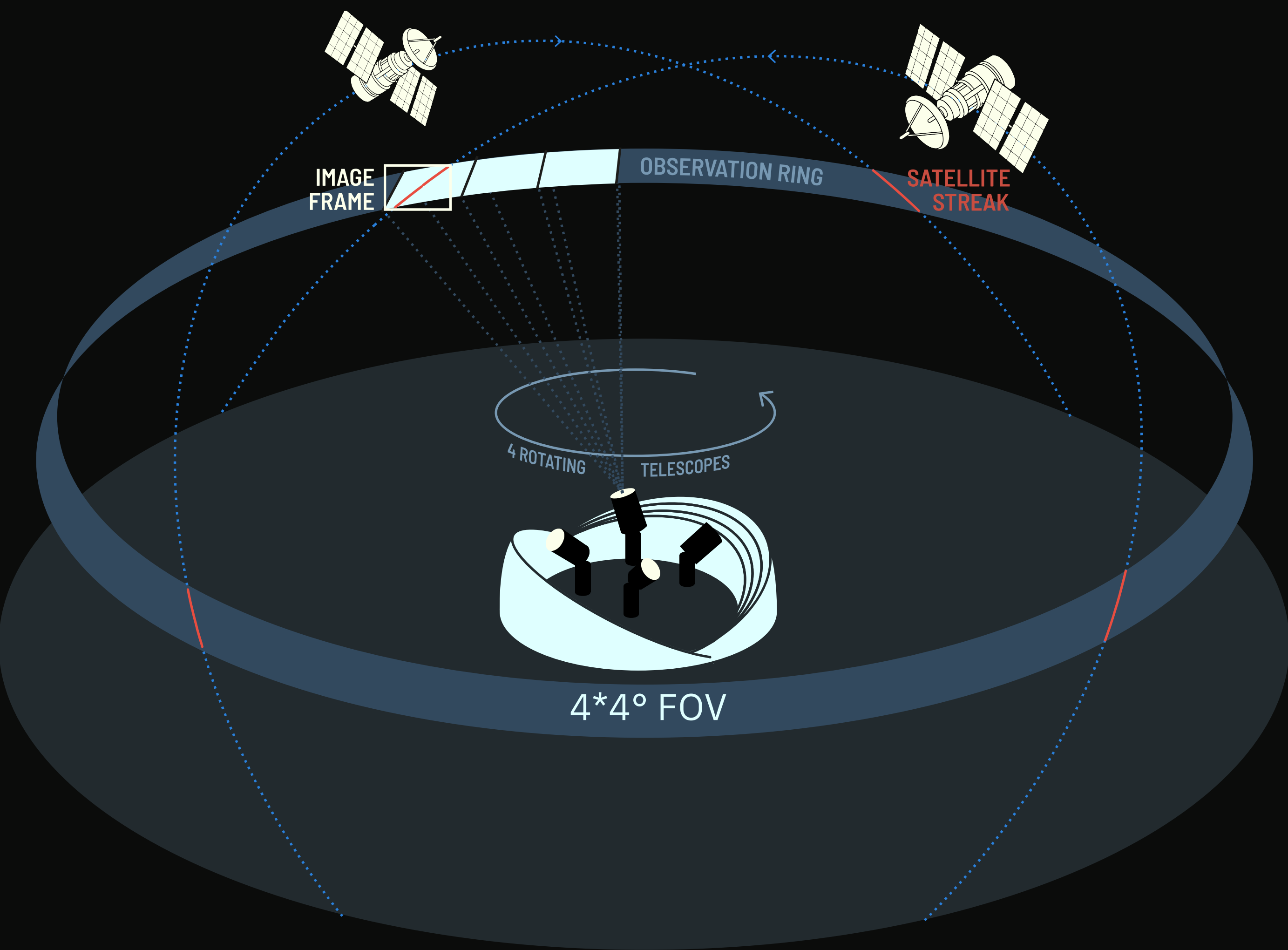
**MULTI-TELESCOPE OBSERVATION SYSTEM
MTOS**

FRANCE



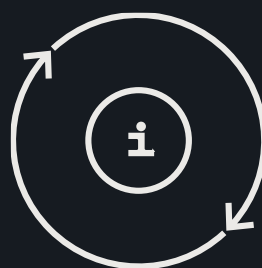
**SINGLE-TELESCOPE OBSERVATION SYSTEM
STOS**

MTOS – Multi Telescope Observation System



SMALL & STEALTH OBJECT DETECTION

From 7CM (LEO)



COMPREHENSIVE OBSERVATIONS

5000 objects / night
Survey & Tracking



CUSTOM TRACKING

NORAD or Orbital Area
tracking based on your
desired timeframe/frequency

GLOBAL NETWORK OF OPERATIONAL STATIONS

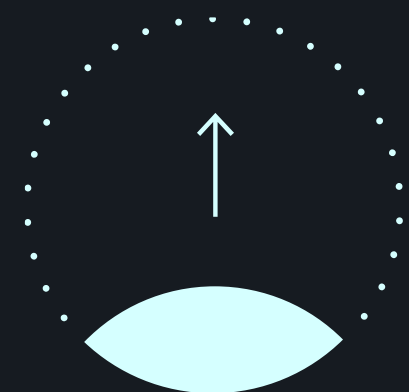


15 TELESCOPES SPREAD ACROSS 6 PROPRIETARY STATIONS AROUND THE WORLD



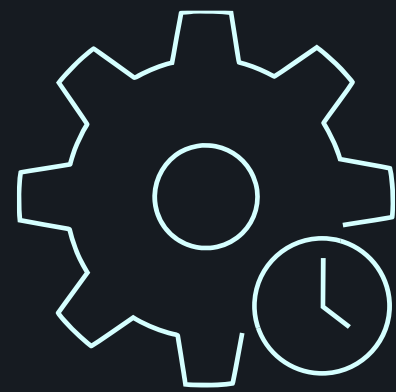


LAUNCH



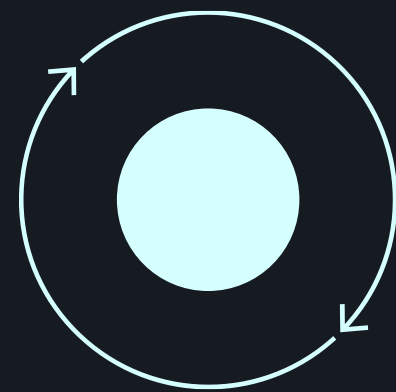
Trajectory Risk Screening
Launch Window Optimization

EARLY OPERATION



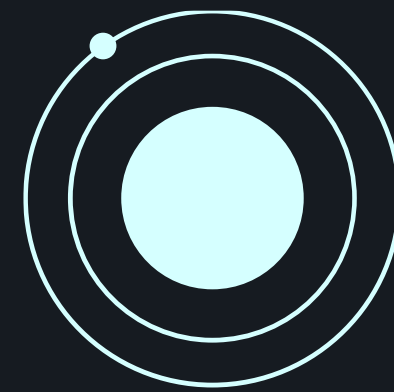
Observation Campaigns
& Tracking

MISSION OPERATIONS



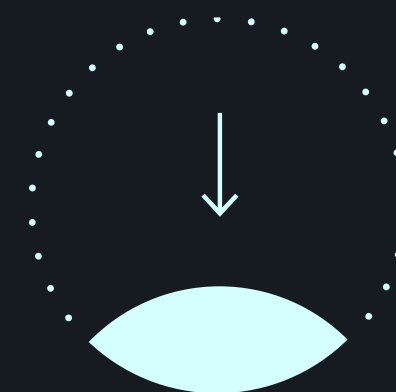
Collision Avoidance
Threat Monitoring

IN ORBIT SERVICING



Observation Campaigns
& Tracking

RE-ENTRY



Observation Campaigns
& Tracking
Trajectory Simulation



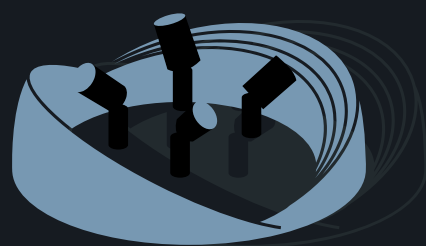
From observation to services delivery, for commercial & defense application

SYSTEMS



STOS

Expected first delivery in 2027



MTOS

Expected first delivery in 2029

SURVEILLANCE



ON-DEMAND TRACKING
DATA

Astrometry, Photometry



SURVEY
DATA

Astrometry

PROTECTION

SPACE SAFETY



IN-ORBIT



AT LAUNCH

ANOMALY
SUPPORT



ATTITUDE
DETERMINATION

SPACE
SECURITY



GUARD/
WATCH



Asset tracking vs Watch

	Asset Tracking Offer	Watch Offer
Input	NORAD ID Ephemeris	NORAD ID Ephemeris + Neighborhood box OR Longitude range of the geo belt
Output	Measures and/or orbits of the NORAD ID	Measures and/or orbits of any correlated object detected
Pricing Model	Charged per observation per NORAD Delivering at least one tracklet of the designated object	Per observation based on period of time when the telescope is dedicated to the watch



Observability Confirmation

We generate a predicted collection schedule by analyzing the ephemeris or the TLE of the target.



Flexible Pricing Models

Access our service by purchasing a token pool, with usage duration tailored to your observation frequency



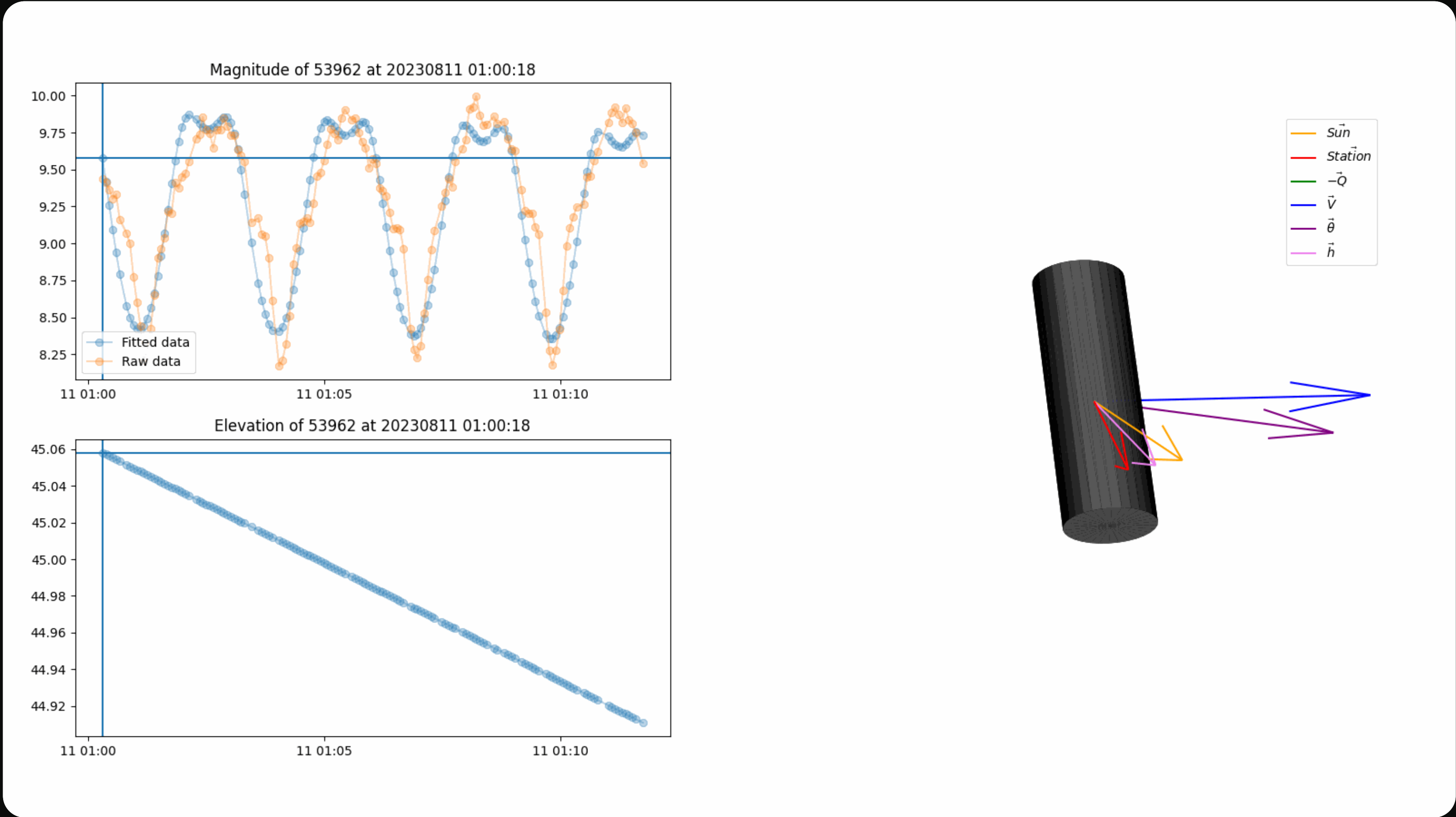
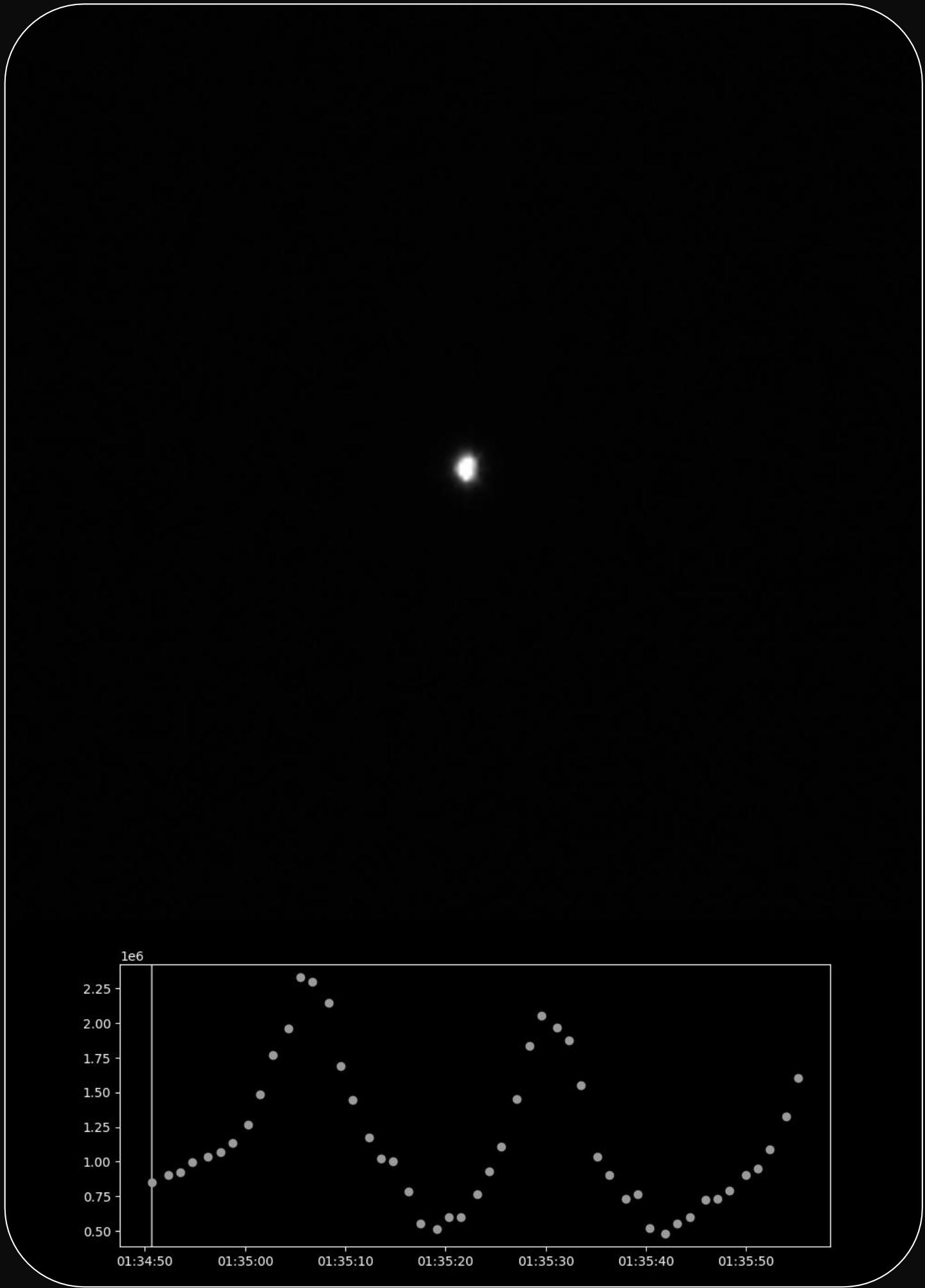
Data Distribution

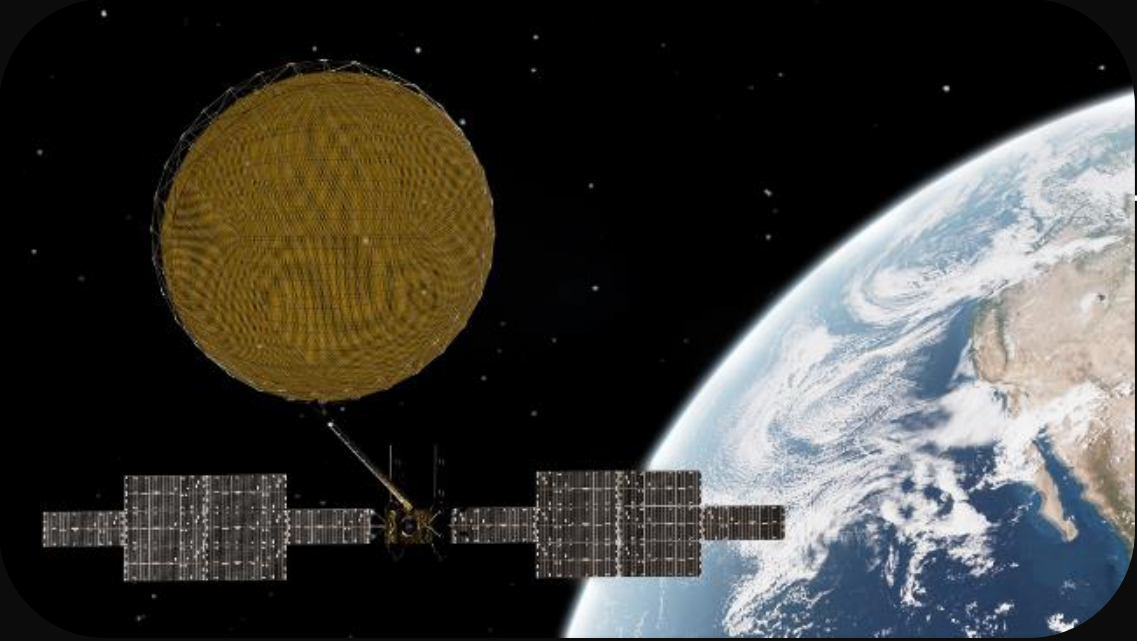
API or dedicated SFTP server

LIGHT CURVE ANALYSIS

ATTITUDE DETERMINATION

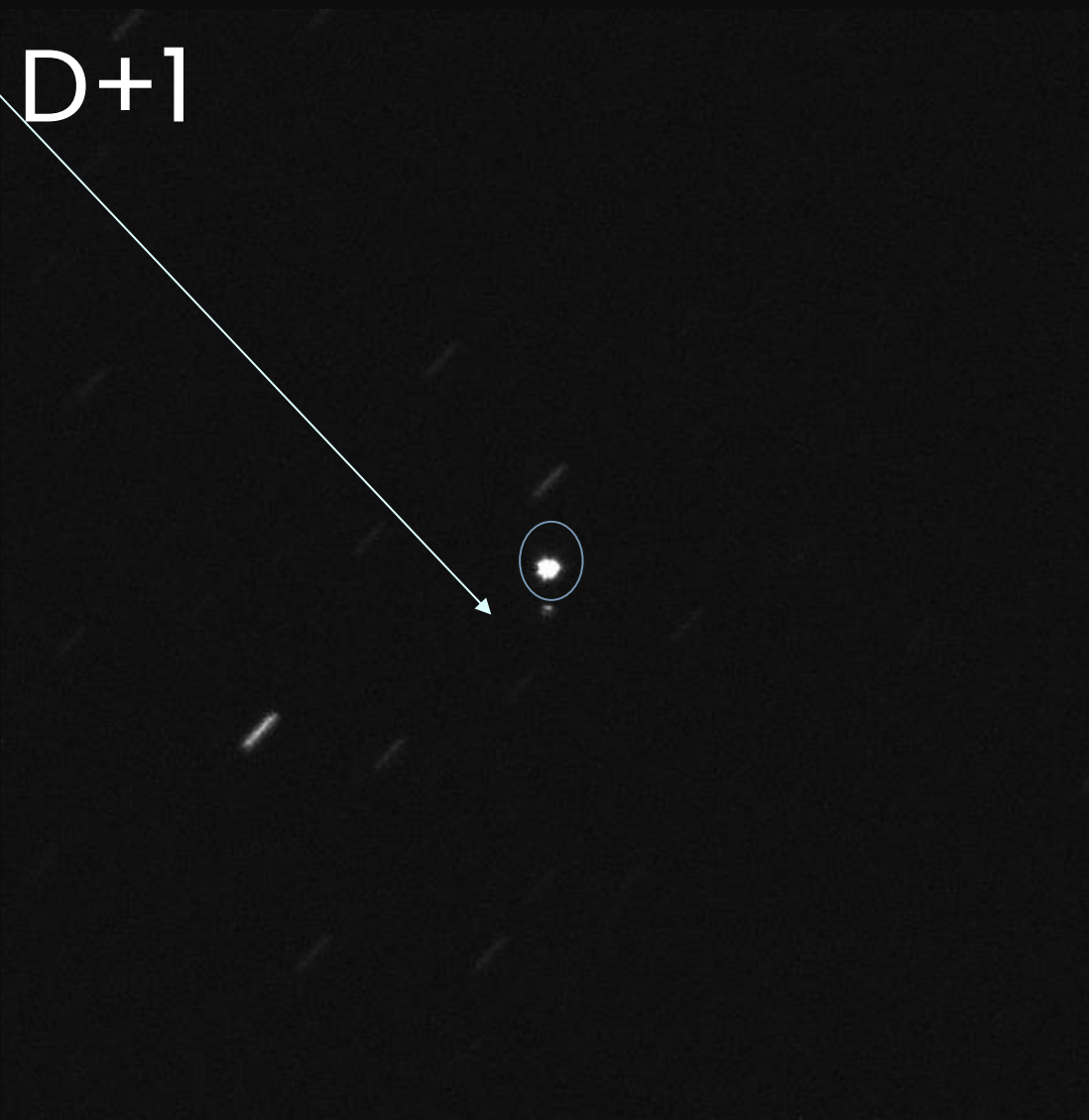
THUMBLING RATE DETERMINATION





Viasat-3F1

Non-public
Inspection satellite



Understand the domain beyond
public data

Anticipate future
capacity evolutions

Contribute to the global effort
for peaceful use of space

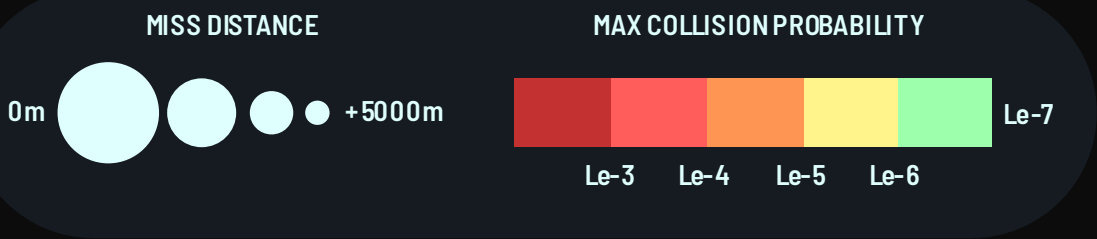


SCREENING

CDM ALERTS

CONJUNCTION
VIEWER

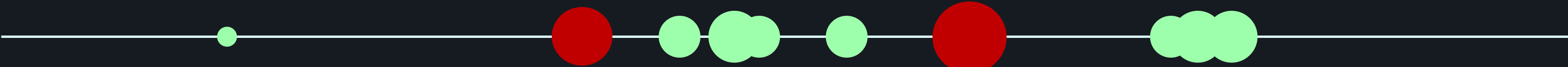
MANEUVER
RECOMMENDATION



CALM FLEET CONTROL PANEL 5KM

2024/02/06

ARIANE 1 DEM (17117)
Estimated total risk: 4.92e-7



BRO-1 (44495)
Estimated total risk: 3.03e-7



CALIPSO (29108)
Estimated total risk : 1.59e-6



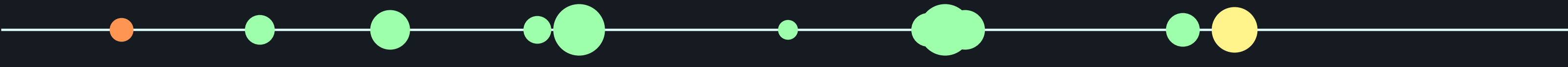
GLOBALSTAR M068 (32266)
Estimated total risk : 8.16e-8

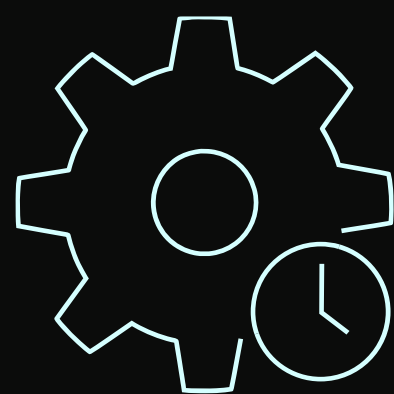


IRIDIUM 114 (41923)
Estimated total risk : 2.74e-8



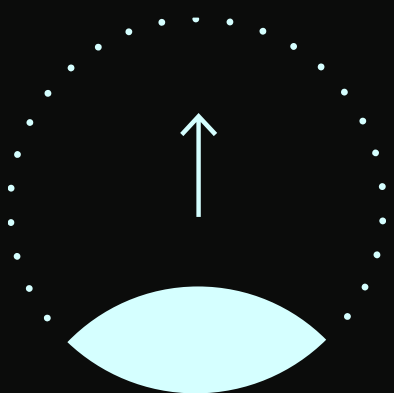
IRIDIUM 38 (25043)
Estimated total risk : 2..18e-5





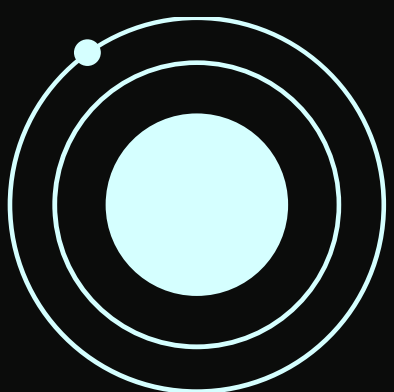
COLA (Collision Avoidance At Launch)

**Launch collision risk management and
launch window optimization**



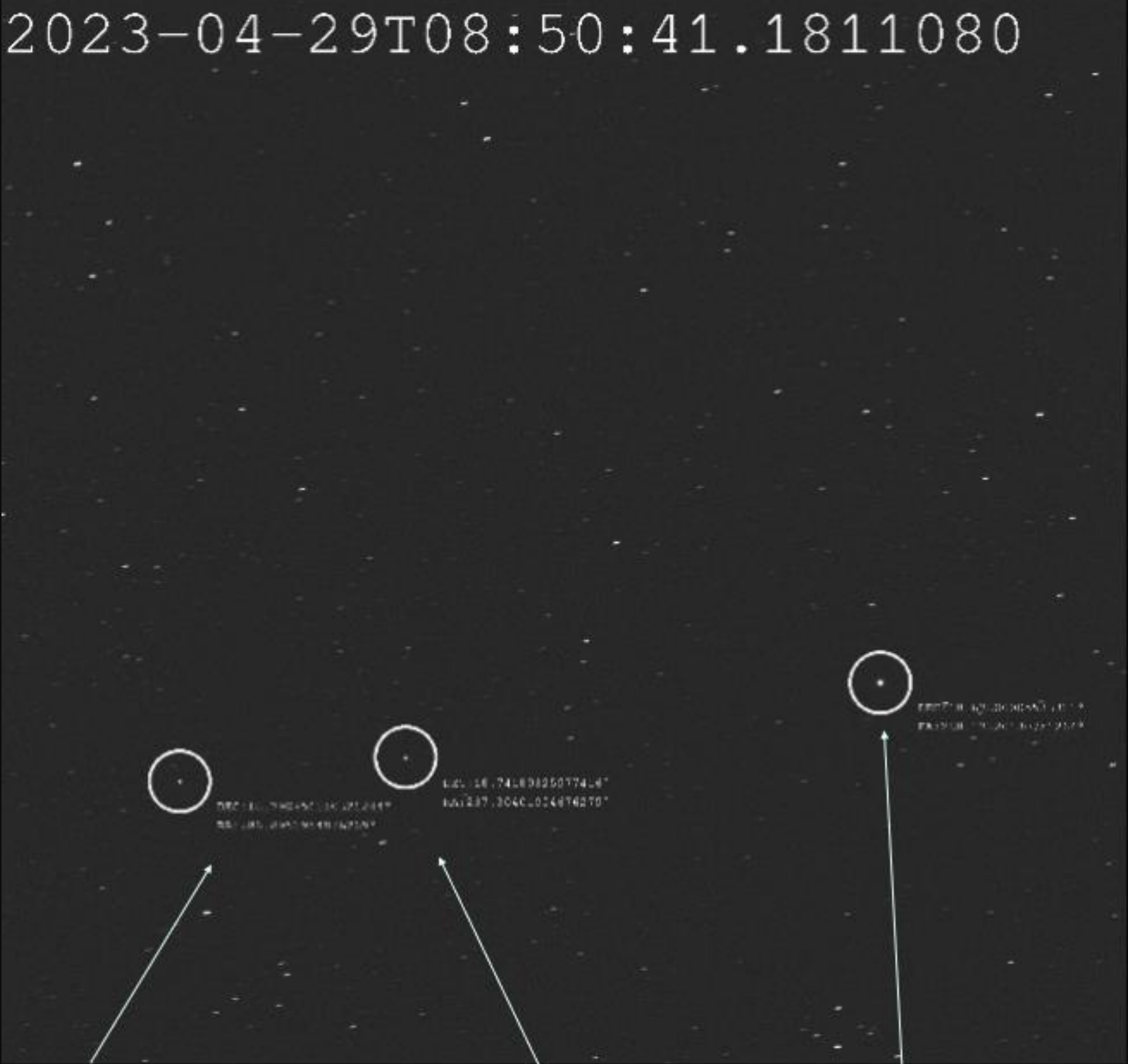
LEOP (Launch and Early Operation Support)

**Highly redundant observations until the
satellite is safely commissioned**



ON DEMAND SCREENING


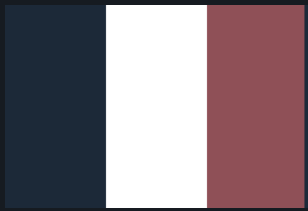











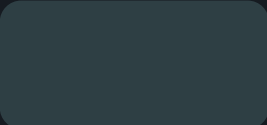
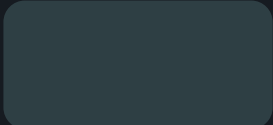
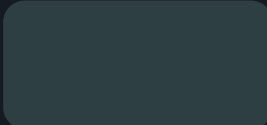
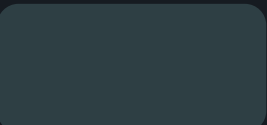
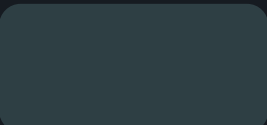
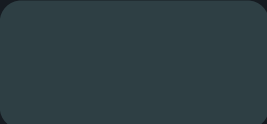
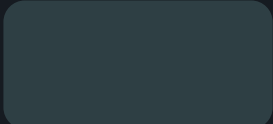
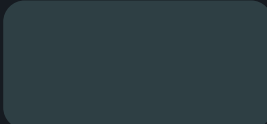
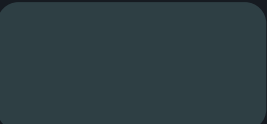
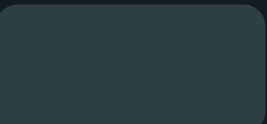



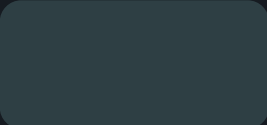
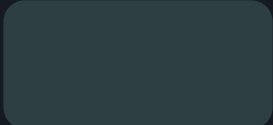
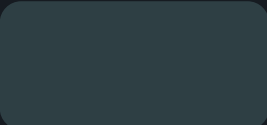
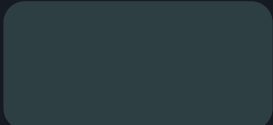
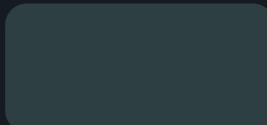
**Geo orbit rising / direct injection
constellation deployment (kick stage)**



O3b mPOWER 3 & 4

Launcher



	MILITARY	INSTITUTIONS	PRIMES & HISTORICAL SAT OPS	NEWSPACE COMPANIES	INSURANCE
	 	  	   	   	
DATA DISTRIBUTION					
CUSTOM TRACKING					
ATTITUDE ANALYSIS					
MANEUVER DETECTION					
THREAT DETECTION					
COLLISION AVOIDANCE					
MISSION RISK ASSESSMENT				