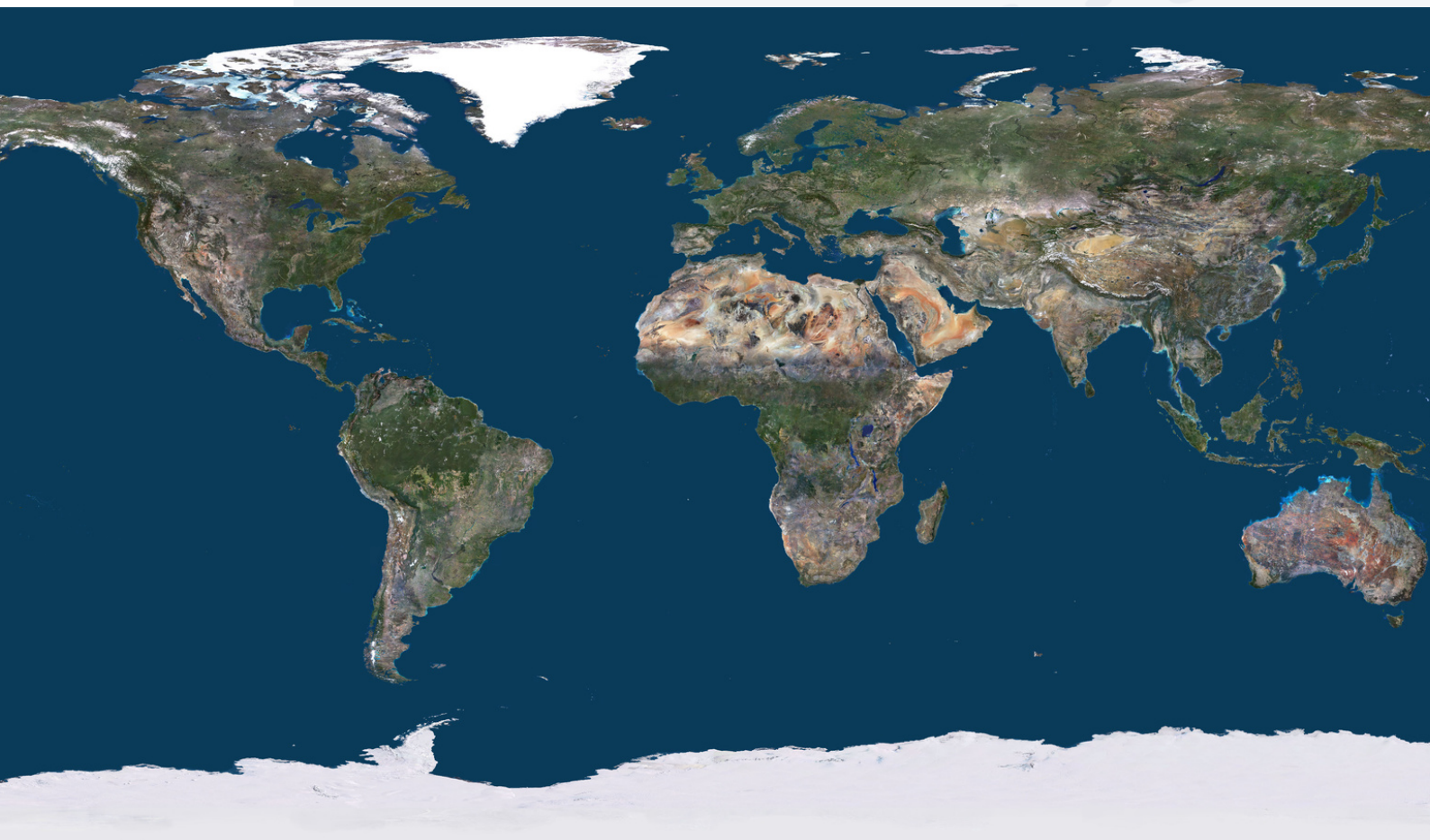


# PLANETSAT 10M GLOBAL BASEMAP 2024



DATA SHEET  
APRIL 2024

# Seamless and Visually Stunning 10m Basemap

## NATURAL COLOR AND SEAMLESS MOSAIC

Benefit from unparalleled color-balanced imagery in all areas and landscapes across the world! Whether in urban areas, deserts or mountains, all images are processed in natural colors without any artifacts and seams, offering enhanced color balance and contrast.

## CLOUDLESS IMAGERY

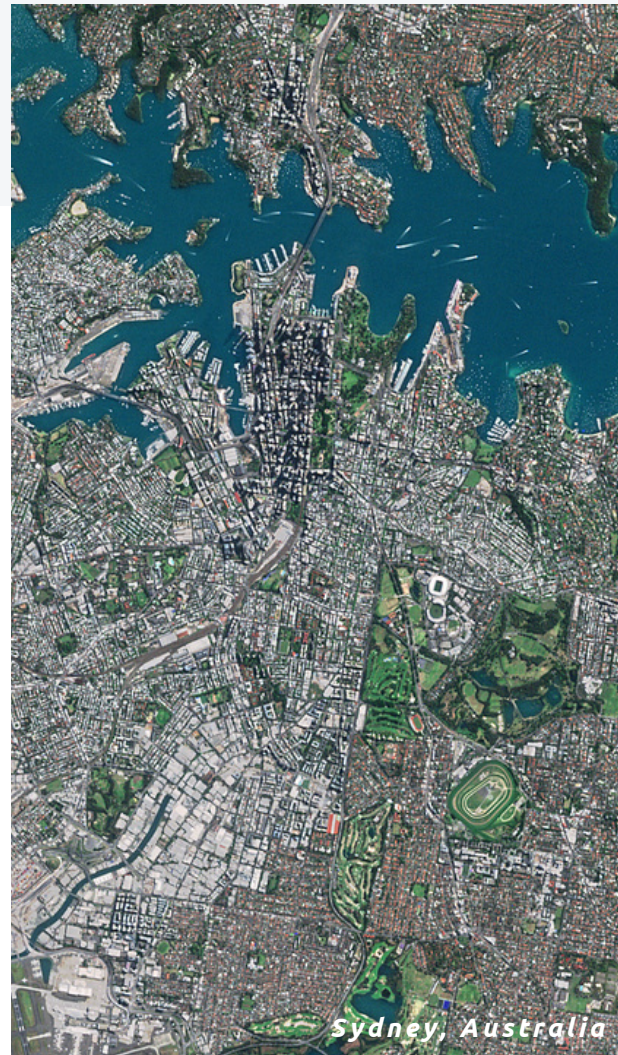
We optimize the imagery selection process and take advantage of different seasons to obtain the best possible cloud-free imagery. For tropical spots that are covered by clouds all year round, **we keep the real pixels and prioritize data integrity** to provide real and reliable geographic information.

## What's New in PlanetSAT 2024 Basemap

### REFRESHED COVERAGE OF 6 MIL KM<sup>2</sup>

For version 2024, we've thoroughly refreshed data for select countries, spanning across 6 million square kilometers. Notably, this update rejuvenates critical regions including the **United States, Mexico, Southern Canada, the United Kingdom, and Ireland.**

Furthermore, over 100 **large cities** across the globe, alongside 30 **industrial sites** encompassing mining and solar power plants, have been meticulously updated with the latest Sentinel-2 imagery.



## BENEFITS

- **Optimized for mapping and visual simulation** use cases to GIS tools and web-mapping platforms.
- A perfect **complement** to higher-resolution imagery.
- **Customized deliveries** of your areas of interest, from a few square kilometers up to the global coverage.
- **Free data testing service** with sample delivery before purchase.



## PLANETSAT 10M GLOBAL IMAGERY BASEMAP

PlanetSAT Basemap is a unique global natural color imagery mosaic at 10-meter spatial resolution, primarily processed with the latest Sentinel-2 and Landsat 8 source data.

### KEY ADVANTAGES

- Global natural color processing using proprietary algorithms and workflows
- Seamless, consistent, and homogeneous imagery
- Cloudless data at 98%
- Offered in multiple formats

### ANNUAL UPDATE PROGRAM

Regular refresh of all capital cities and major urban areas across the world, as well as integration of newly processed mosaics over large regions.

### TECHNICAL SPECIFICATIONS

- **Resolution:** 10m (1/3 arc second per pixel)
- **Coverage options:** Global, continental, country or custom areas (cost per sq km)
- **Source data:** Sentinel-2 (38%), Landsat 8 (35%), Landsat 7
- **Image processing:** Natural colors (RGB)
- **Mapping scale:** Down to 1:50,000, zoom level 14
- **Projection/Datum:** Geographic WGS84
- **File formats and size (global product):**
  - GeoTIFF: 12.2 TB
  - COG: 470 GB
  - JPEG 2000: 501 GB
- **Tiling structure:** 2°x 2°

## KEY FEATURES

- ✓ Perfect for viewing the Earth from global scales all the way down to 1:50,000 map scale.
- ✓ Off-the-shelf data.
- ✓ Rapid delivery per FTP.
- ✓ Easy integration as base layers into all GIS applications, visualization and simulation tools and GEOINT solutions.





*Dublin, Ireland*



*Mexicali, Mexico*



*Cancun, Mexico*



*Copenhagen Denmark*



# Imagery Solution for many Industries

ENHANCED USER EXPERIENCE FOR ALL APPLICATIONS

## DEFENSE & INTELLIGENCE

- Command and Control : Macro visualisation of large theatres of operation (TO)
- Mission planning
- Mission management system
- Visualization & navigation solutions

## GRAPHICS & ANIMATION

- News & weather graphics systems
- Inflight Entertainment (IFE)



## AEROSPACE

- Flight training & simulation (adapted for Full Flight Simulators - FFS)
- Realistic environment building and visualization

## MAPPING

- Mapping platforms
- GIS solutions for land administration and mapping, energy, oil & gas, government

"PlanetSAT imagery layer has really improved the user experience of OneAtlas Basemap."

### Airbus DS

"PlanetSAT basemap met our main criteria, i.e. enhanced color quality of the imagery, up-to-date data, and standard formats ready-to-use in our solutions."

### Thales Training & Simulation

## Why using commercial data vs. open source

*Opting for open-source data may appear to be a good idea at first glance, but, here's why it may not be...*

### OPEN-SOURCE DATA

- NO data protection
- NO confidentiality
- NO precise knowledge of sources and metadata
- NO security and risk management
- NO support & maintenance

### PLANETOBSERVER DATA

- COMPLETE data protection
- COMPLETE confidentiality
- THOROUGH knowledge of sources and metadata
- COMPLETE security and risk management
- FULL support & maintenance

## PLANETOBSERVER

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