

STEP BY STEP GUIDE TO PLANET[®] SATELLITE IMAGERY ACQUISITION

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REGISTER PLANET ACCOUNT

- A Planet® account is necessary to obtain satellite data from Planet
- Science and (Research) Education package is free
- Website planet.com

PLANET PROGRAMS

Find the Right Planet Program

We believe in the democratization of our data at Planet. We want to increase ease and access for many organizations so that they can gain value from our data. To make this possible, we've created several programs to help you get started. Read more about our programs and find the right one for your needs.

SELECT PROGRAM

SCIENCE & EDUCATION (highlighted)

NONPROFIT

MEDIA PROGRAM

PROTECTING TROPICAL FORESTS

PARTNER PROGRAM

Science & Education

Planet has multiple data access pathways for researchers and students around the world to utilize our high spatial and temporal resolution imagery for high impact science.

LEARN MORE

Plans / Education and Research Standard (PlanetScope)

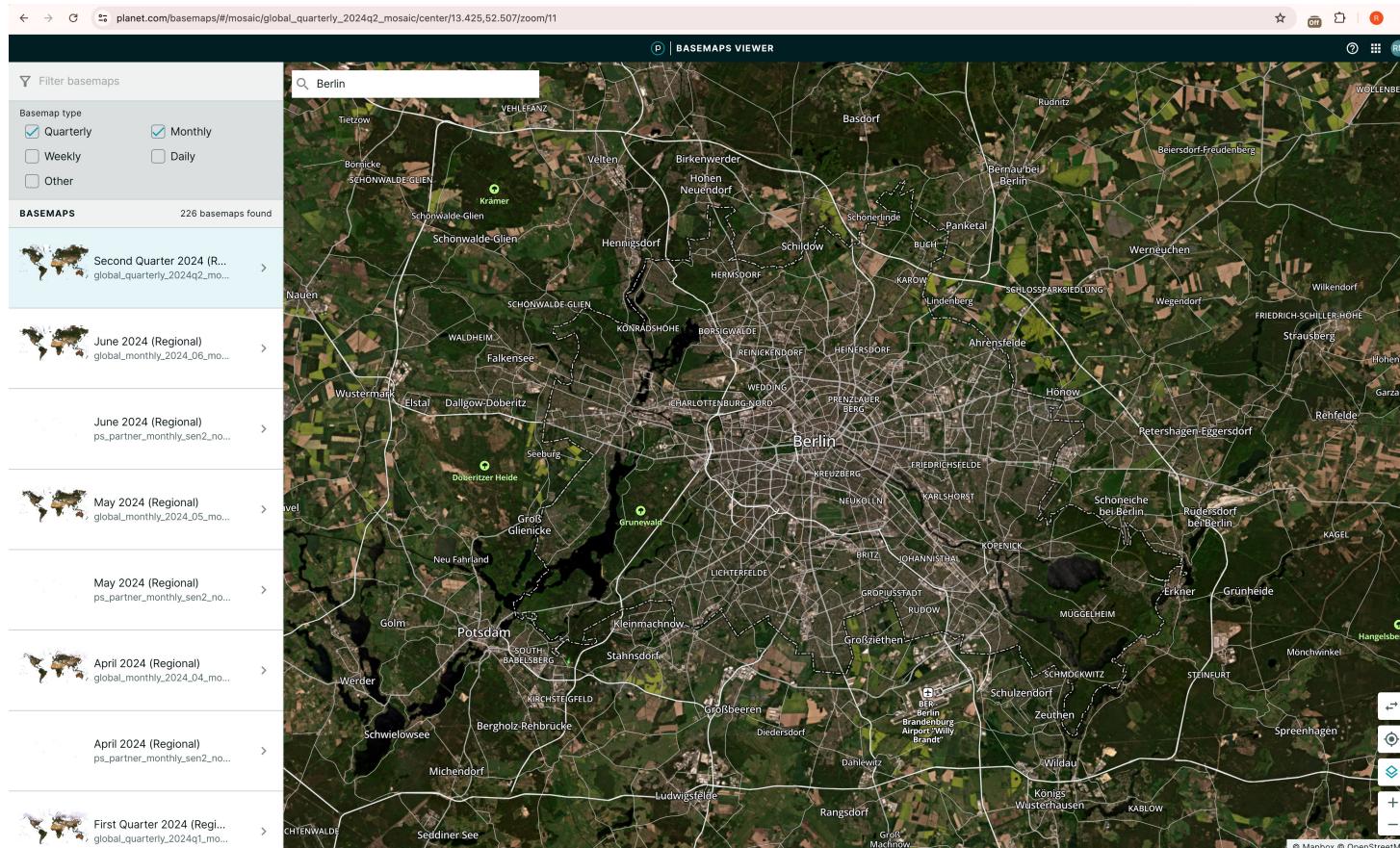
Education and Research Standard (PlanetScope)

Status	Active	Plan ID	755677
Organization	lg20028@hs-nb.de	Access Dates	2024-04-01 to 2026-04-01

SCENE DOWNLOADS PREFERRED

OPEN PLANET EXPLORER

- Explore the satellite image
- Select preferred basemap



- Filter results for quality

The screenshot shows the 'Filter Results' section of the Planet Explorer interface. It includes several filter categories:

- ENVIRONMENTAL CONDITIONS:**
 - Area coverage: 0 - 100% (0% to 100%)
 - Cloud cover: 0 - 100% (0% to 20%)
 - Ground sample distance: 0.1 - 30m (0.1m to 30m)
 - Off-nadir angle: -60° - 60° (-60° to 60°)
 - Sun azimuth: 0 - 360° (0° to 360°)
 - Sun elevation: -90 - 90° (0° to 90°)
- ADVANCED FILTERS:**
 - Clear All
 - Apply filters

- Import shapefile of area of interest
- We got this shapefile from OSM

The screenshot shows the 'Daily scenes' interface. On the left, there's a sidebar with a search bar ('Berlin') and a list of dates with corresponding PlanetScope Scene cards. On the right, a map of Berlin is displayed. A modal window titled 'Import file to define area of interest' is open, containing a text input field with the placeholder 'Drag files here or click to select files.' Below it, it says 'Supported file types: shp, wkt, json, geojson, gpx, kml, dbf, shx, prj, zip, kmz'. A file named 'berlin_osm_shapefile.shp (95.5 KB)' is listed with an 'Import' button at the bottom.

Proceed to order imagery

The screenshot shows the 'Import file to define area of interest' dialog box. It displays a map of Berlin with a proposed bounding box highlighted in blue. A warning message states: 'The provided geometry contains over 1500 vertices and is not supported when ordering clipped assets. The following alternative versions will function correctly; they are sorted by least area used. If you choose to use the original geometry, you will not be able to order clipped imagery.' Below the map, it shows 'Original area: 891.143 km²' and 'Proposed area: 1,715 km²'. At the bottom, there are buttons for 'Use original' and 'Use this version'.

ORDER SATELLITE IMAGERY

The screenshot displays the 'Order Imagery' process across three main stages:

- Delivery options:** The user has selected "GeoTIFF or TIFF + RPC" as the file format. Other options include "Direct download" and "Cloud Optimized GeoTIFF (COG)".
- Name order:** The order is titled "PlanetScope Scene".
- Select assets:** The interface shows a summary of 16 items under the heading "RECTIFIED ASSETS". The assets are categorized into four types:
 - Visual:** Optimized for visual analysis - RGB only.
 - Surface reflectance - 4 band:** Corrected for surface reflectance; recommended for most analytic applications - includes RGB NIR.
 - Surface reflectance - 8 band:** Corrected for surface reflectance; recommended for most analytic applications - also includes coastal blue, green II, yellow, red edge.
 - Analytic radiance (TOAR) - 4 band:** Calibrated to top of atmosphere radiance - includes RGB NIR.
 - Analytic radiance (TOAR) - 8 band:** Calibrated to top of atmosphere radiance - also includes coastal blue, green II, yellow, red edge.

My Orders / Berlin

Berlin

OVERVIEW

Success

Name: Berlin

Id: 1328d2a6-1556-4e00-8471-a3728816e58b

Created on: 2024-07-13 16:07:58 UTC

TOOLS

Clip

See all 16

PRODUCTS

Item type: PSScene

Asset types: ortho_visual

Ordered via the "visual" product bundle

Items:

- 20240629_102117_89_24df
- 20240629_102115_69_24df
- 20240629_102113_48_24df

IMAGERY RESULTS

Berlin_psscene_visual.zip
manifest.json

NAME Rugilandavyi Barabona Mubondo **Edit Name**

ORGANIZATION lg20028@hs-nb.de

COUNTRY Germany

EMAIL ADDRESS lg20028@hs-nb.de **Reset Password**

API KEY *****

SENTINEL HUB Linked to Rugilandavyi Barabona Mubondo (lg20028@hs-nb.de) [Sentinel Hub Dashboard](#)

SENTINEL HUB COLLECTIONS [View All in Sentinel Hub](#)
No Collections Yet

- Order Id and API Key are integrated into the Python environment
- Data is downloaded

THANKS / SHUKRAN / DANKE / ASANTE