PLANET BASEMAPS
Current, complete, & analysis-ready mosaics

Leveraging cutting-edge software upon imagery from the world's largest satellite constellation, Planet transforms raw pixels into visually consistent and scientifically accurate mosaics that empower time-series analysis and machine learning-powered data analytics over broad areas. The result is Planet Basemaps: the most current, complete, and analysis-ready basemaps for monitoring and analytics.

BUILT FOR YOUR BUSINESS

Planet Basemaps are comprised of three offerings – **Select Basemaps, Global Basemap and Custom Basemaps** – each designed to provide fresh, actionable insights over broad areas.

SELECT BASEMAPS

Basemaps, built your way. Select Basemaps let you define what you need and how often you need it – without sacrificing coverage or quality. Ideal for monitoring, time-series analysis, vegetation indices, machine learning analytics.

Choose your area of interest, you define the size.

Choose frequency of updates: quarterly, monthly, biweekly or weekly.

Choose your source imagery: PlanetScope visual or surface reflectance.

Choose how you get it, whether web services or download.

GLOBAL BASEMAP

The most comprehensive, seamless, and cloud-free visual basemap over Earth's landmass, providing a recent contextual layer for maps and GIS applications.

• Ideal for mapping, updating charts, and visualization.
• Global coverage.
• Refreshed on an annual basis.
• Delivery via WMTS or XYZ, or download.

CUSTOM BASEMAPS

Basemaps, built for your specific needs. Custom Basemaps let you define what time of interest and settings you need – optimizing for your specific solution. Ideal for a wide range of tailored applications and high resolution mapping.

• Choose your area of interest.
• Choose your source imagery: SkySat, PlanetScope visual or surface reflectance.
• Choose your custom time of information.
• Choose how you get it, whether web services or download.
• Choose imagery settings tailored to your specific needs.

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THE 'RECENT & READY' ADVANTAGE

Unlike traditional mosaics that can be outdated, predefined, and geographically limited, Planet Basemaps allow you to build a basemap with the freshest imagery over their areas and with updates at the frequency you need.
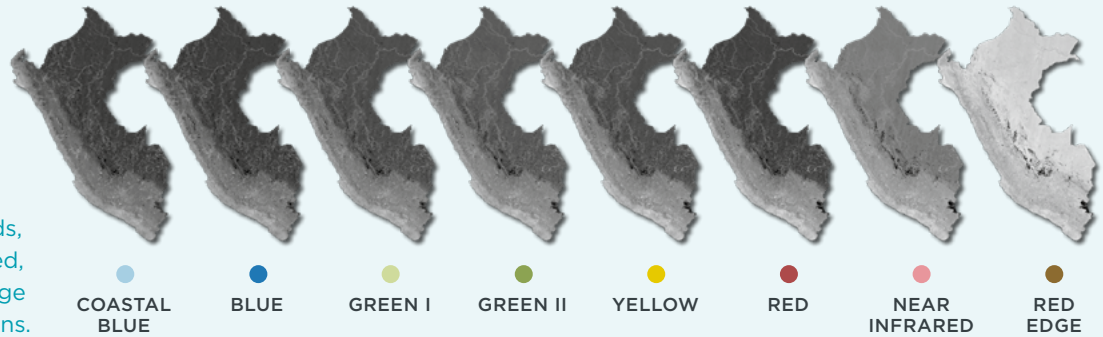
Ultra-Recent | **Complete Coverage** | **Customizable** | **Analysis-Ready**

DEEPER SPECTRAL ANALYSIS

Surface Reflectance Basemaps provide eight calibrated bands, including near infrared, enabling a broad range of analytic applications.

COASTAL BLUE | BLUE | GREEN I | GREEN II | YELLOW | RED | NEAR INFRARED | RED EDGE

SPECIFICATIONS

	Select Basemaps		Custom Basemaps	Global Basemap
Source Imagery Product	PlanetScope Visual Imagery (RGB)	PlanetScope SR (RGB+NIR) or 8-Band SR	SkySat Visual or SR PlanetScope Visual or SR	PlanetScope Visual Imagery (RGB)
Pixel Size	4.77 m at the Equator (L15 zoom) 2.38 m at the Equator (L16 zoom)		0.59 m at the Equator (SkySat L18 zoom)	4.77 m at the Equator (L15 zoom) 2.38 m at the Equator (L16 zoom)
Bands	RGB, Alpha	Near Infrared, RGB, Alpha or Coastal Blue, Blue, Green I, Green II, Yellow, Red, Red Edge, Near-Infrared, Alpha	RGB, Near Infrared, Alpha (SkySat) or Any combination of PlanetScopes 8-bands	RGB, Alpha
Processing	Color balancing; minimized seasonality and haze effects	Normalization offered	Fully customizable	Color balancing; minimized seasonality and haze effects
Bit Depth	8	16	8 or 16	8
Projection	WGS84 Web Mercator		Customizable	WGS84 Web Mercator
Positional Accuracy	< 10 m RMSE			
Pixel Traceability	Yes			
Delivery	Web service access via WMTS or XYZ tile service Download (GeoTIFF file)			Web service access via WMTS or XYZ tile service

LET'S TALK

Get Started
Get a free 14-day trial of Planet Basemaps
planet.com/basemaps-trial/

We're Here to Help
Get support for Planet Basemaps
support.planet.com

Contact Us
Learn how Planet can help you turn data to actionable insights
go.planet.com/getintouch

Learn More
www.planet.com