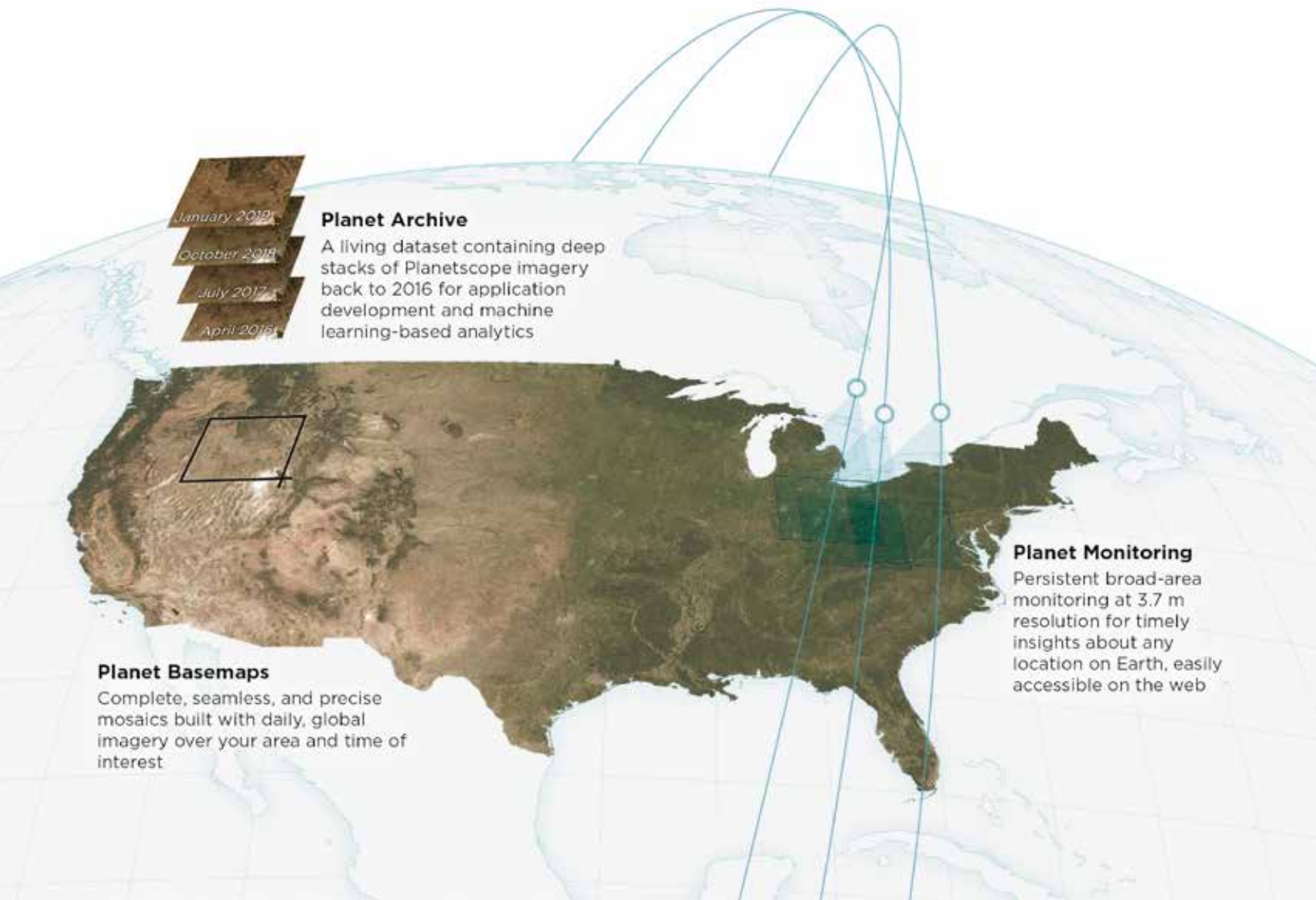
+ PLANETSCOPE
Solutions Overview

Built upon the world's largest constellation of commercial Earth observation satellites, our PlanetScope product offerings provide timely insights for every location on Earth's landmass, every day. From our flagship monitoring solution to seamless basemaps, the PlanetScope constellation continually collects new imagery, filling critical data gaps and ensuring a more comprehensive, persistent understanding of activities across the globe.



Planet Archive
A living dataset containing deep stacks of Planetscope imagery back to 2016 for application development and machine learning-based analytics

Planet Monitoring
Persistent broad-area monitoring at 3.7 m resolution for timely insights about any location on Earth, easily accessible on the web

Planet Basemaps
Complete, seamless, and precise mosaics built with daily, global imagery over your area and time of interest

PLANET ACCESS

Hosted subscription for viewing frequent imagery over your areas of interest.

Planet Access is a flexible, cloud-based subscription that empowers you with on-the-fly access to the Planetscope imagery catalog. With an annual subscription, you get immediate access to new imagery, updated daily, or to the Planetscope archive. Planet Access enables you to stream imagery and only download the pixels you need. This saves you time and helps you manage your resources efficiently.

IMAGERY SPECIFICATIONS

	Basic Scene	Ortho Scene & Ortho Tiles
Description	Imagery as seen from the satellite without correction for terrain geometric distortions.	Orthorectified imagery to remove terrain geometric distortions; & orthorectified scenes composited together in 25 km x 25 km tiles.
Ground Sample Distance	3.7 m	3.7 m
Pixel size	3.7-4 m	3.125 m
Spectral bands	Visual (red, green, blue) Analytic (red, green, blue, NIR)	Visual (red, green, blue) Analytic (red, green, blue, NIR)
Bit depth	Visual: 8 bit Analytic DN: 12-bit Analytic (Radiance - W m-2 sr-1 µm-1): 16-bit	Visual: 8 bit Analytic DN: 12 bit Analytic (Radiance - W m-2 sr-1 µm-1): 16 bit Analytic Surface Reflectance: 16 bit
Geometric precision	< 10 m RSME	< 10 m RSME
File components	• Image File – GeoTIFF format • Metadata File – XML format • Rational Polynomial Coefficients - XML format • Thumbnail File – GeoTIFF format • Unusable Data Mask (UDM) File – GeoTIFF format	• Image File – GeoTIFF format • Metadata File – XML format • Rational Polynomial Coefficients - XML format • Thumbnail File – GeoTIFF format • Unusable Data Mask (UDM) File – GeoTIFF format
Radiometric conversion	Conversion to absolute radiometric values based on calibration coefficients. Radiometric values scaled by 100 to reduce quantization error.	Conversion to absolute radiometric values based on calibration coefficients. Radiometric values scaled by 100 to reduce quantization error.

LET'S TALK

We're Here to Help!
Get answers to technical questions about PlanetScope products
support@planet.com

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

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