



SKYSAT SOLUTIONS OVERVIEW

Planet's SkySat constellation powers a range of offerings that give customers rapid intelligence for anywhere on the globe – easily accessible on the web and ready for analysis. Equipped with near-infrared, stereo, and video capabilities, Planet's 14 SkySats can revisit any point on Earth at 72 cm resolution and sub-daily revisit, higher frequency than any other commercial high-resolution imagery provider.

SOLUTIONS



Monitoring

- Monthly, weekly, daily, or sub-daily revisit over your areas of interest
- Areas will be collected until cloud cover requirements are met



Tasking

- Standard (one-time) collection or flexible (on-the-fly) collections over your areas of interest
- Areas will be tasked until cloud cover requirements are met or program duration ends or time interval expires



Archive

- Access to the full SkySat archive – 10M+ square kilometers captured since 2014
- Archive imagery available for online viewing in Planet Explorer



Basemaps

- Complete, seamless, and precise mosaics built with high-resolution, sub-daily imagery over your area and time of interest
- Basemaps are custom built to your needs

FEATURES



High resolution
72 cm GSD



Rapid delivery
Less than 10 hours



Frequent revisit
Up to twice-daily



Easy order management
Tasking Interface & API

PLANET TASKING OFFERINGS

Standard Tasking

Customer defines area(s) of interest, which Planet will image until < 15% cloud cover is achieved

Imagery published within < 10 hours of collection

Collection area, time period, and other specifications subject to feasibility.

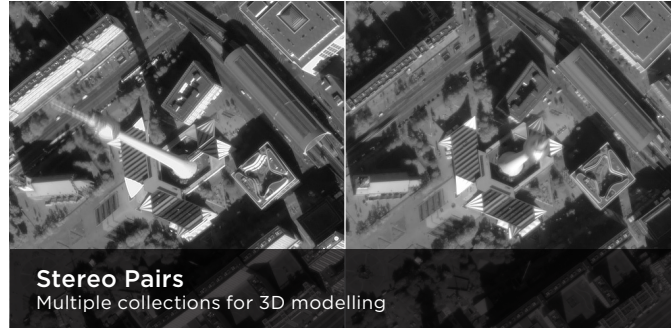
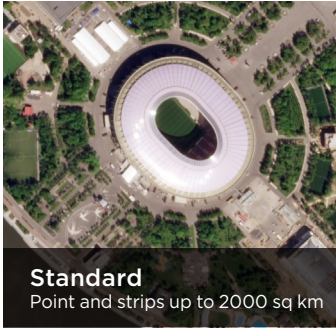
Flexible Tasking

Flexible offering where customers purchase capacity upfront to task on-the-fly imagery over their regions of interest. Multiple cloud cover options available.

Imagery published within < 10 hours of collection

Collection area, time period, and other specifications subject to feasibility.

COLLECTION TYPES



IMAGERY PRODUCT SPECIFICATIONS

	Basic Scene	Ortho Scene & SkySat Collect
Ground sample distance	Panchromatic: 0.72 m Multispectral: 1.0 m	Panchromatic: 0.8 m Multispectral: 1.0 m
Pixel Resolution	N/A	Analytic, Analytic DN: 1.0 m Panchromatic DN, Visual, Pansharpened Multispectral: 0.8 m
Spectral Bands	Blue: 450 - 515 nm Green: 515 - 595 nm	Red: 605 - 695 nm NIR: 740 - 900 nm Pan: 450 - 900 nm
Image Configurations (Bands)	Analytic DN Image: B, G, R, NIR Panchromatic DN Image: Pan	Analytic DN: B, G, R, NIR Analytic: B, G, R, NIR Panchromatic DN: Pan Multispectral: Pansharpened B, G, R, NIR Visual Image: Pansharpened R,G,B
Bit depth	16-bit	Analytic, Analytic DN, Panchromatic DN, Pansharpened Multispectral: 16-bit Unsigned Integer Visual: 8-bit Unsigned Integer
Geometric precision	< 50 m RMSE	< 10 m RMSE
File structure	Image File - GeoTIFF format Metadata File - JSON format Rational Polynomial Coefficients - Text File (Basic only) UDM File - GeoTIFF format	
Radiometric conversion	Analytic product - Absolute Radiance derived using vicarious calibration methods. The product is radiometrically calibrated to radiance units $[W/(\mu m * m^2 * str)]$, and scaled by 100 to reduce quantization errors	
Revisit time	Nadir: 28 days per spacecraft; sub-weekly per constellation Off-Nadir: sub-weekly per spacecraft; sub-daily per constellation	

LET'S TALK

We're Here to Help!

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turn data to actionable insights
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