

Quarterly Image Quality Reports at Planet

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Abstract

Following the example of the Data Quality Reports that are issued by ESA for Sentinel-2A and -2B on a monthly basis, Planet has taken the initiative to also facilitate the information about its image quality status in a similar way.

In particular we are going to create three reports every quarter.

The L1 Data Quality Report is released for the PlanetScope satellites (all generations) and separately for the SkySat fleet of satellites. It covers radiometric and geometric performance of the systems along with information on the noise and focus measurements taken, as well as explanations and examples of various anomalies and features that can appear in the images.

In addition to those two there is an L2 Data Quality Report that captures the accuracy of the Surface Reflectance product that is available for the PlanetScope Dove satellites along with examples of anomalies and features that can be encountered in those products.

Every report will eventually be accompanied by a data packet provided by Planet that contains the images and products that are featured in the reports and that the measurements quoted in the report were taken from.

In this presentation we will introduce the structure of those reports at Planet along with the results obtained in the latest versions of those three Data Quality Reports.

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