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ON-ORBIT RESULTS FROM THE DOVE EARTH IMAGING SPACECRAFT

**Abstract**

Planet Labs has launched a number of technology demonstration missions as well as a large number of spacecraft in its Flock 1 Earth Imaging Constellation. Each successive contains a number of improvements over the previous generation spacecraft, with key subsystem upgrades including power management, solar panel design, ADCS software, and the addition of a star camera and GPS. In this presentation we will discuss these spacecraft systems and their on-orbit performance, as well as some of the lessons learnt from during the design and manufacture of the Dove spacecraft.