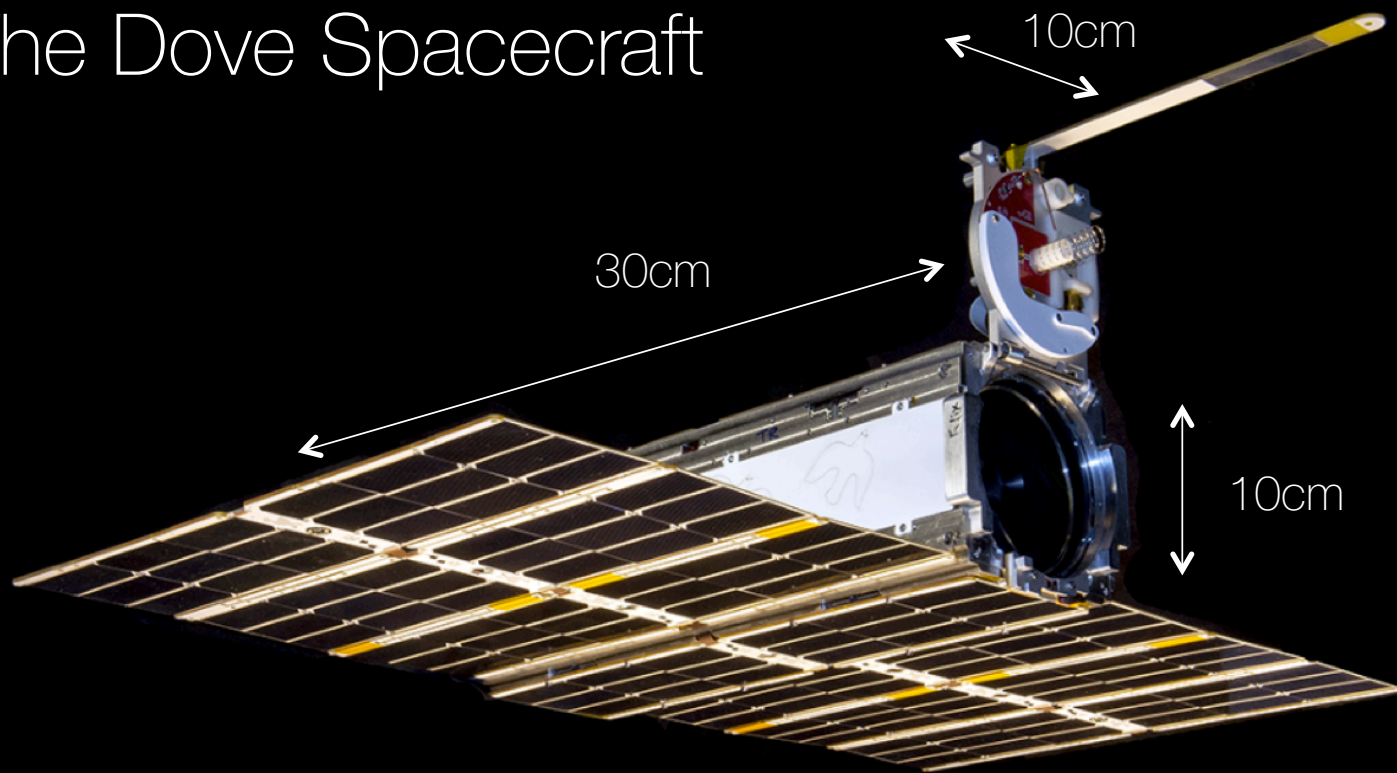


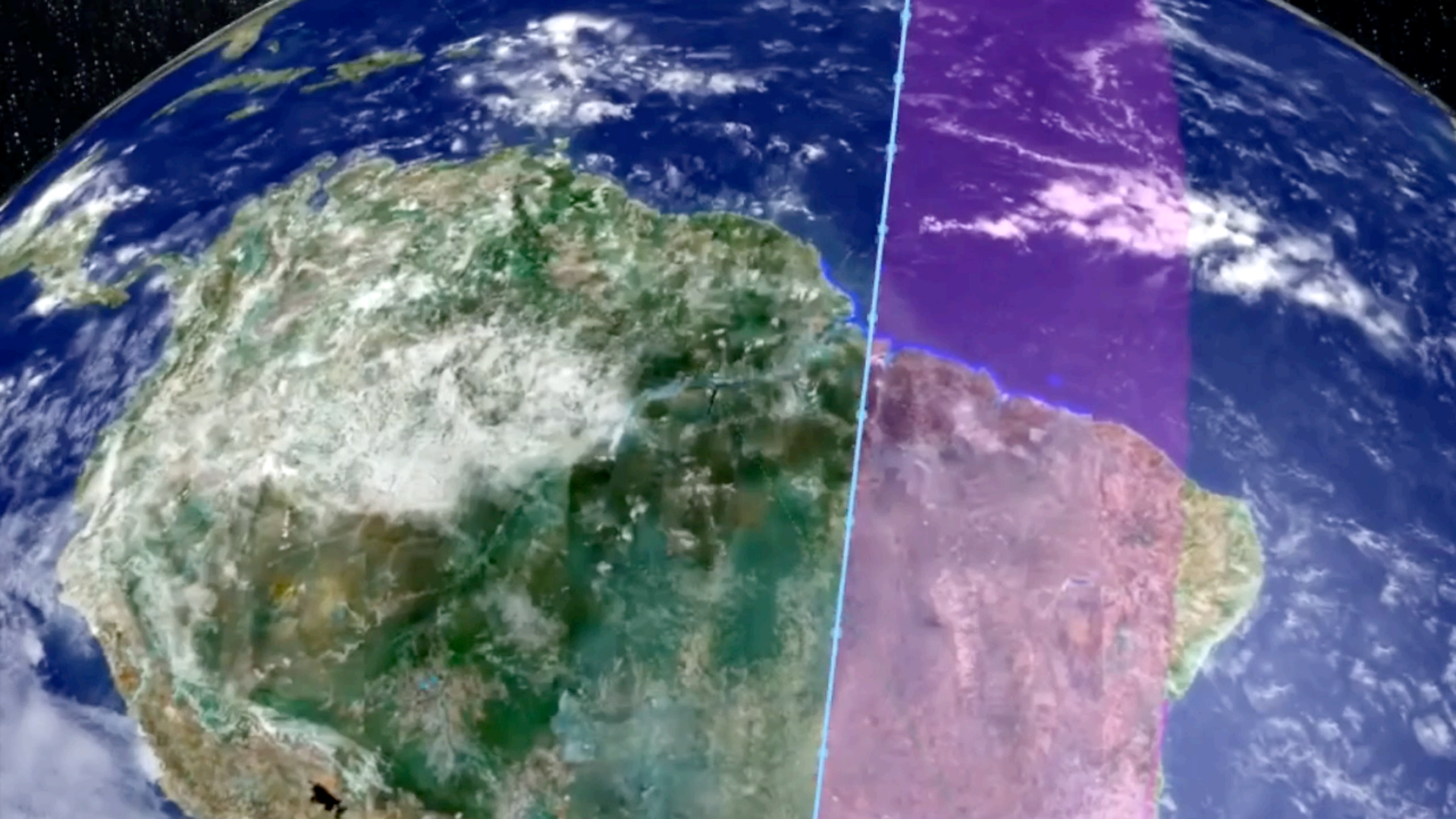


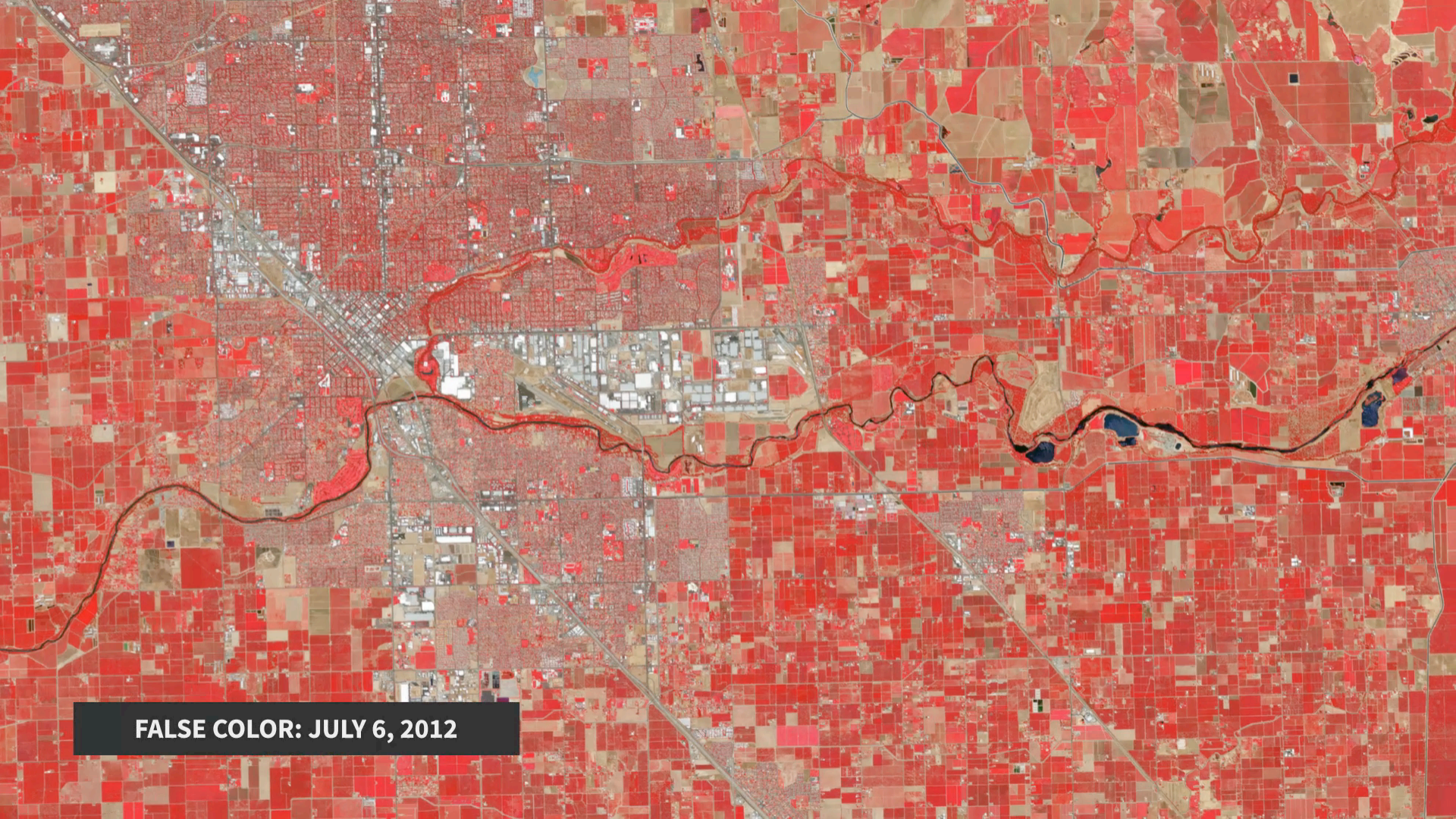
# Agricultural Monitoring with Small Satellites

Ryan Schacht | [sales@planet.com](mailto:sales@planet.com) | [planet.com](https://planet.com)

# The Dove Spacecraft

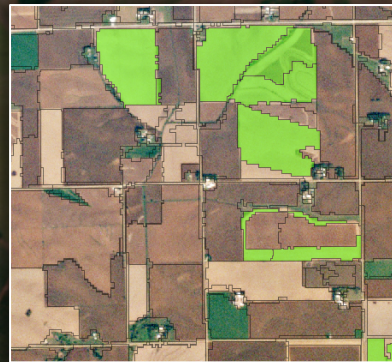
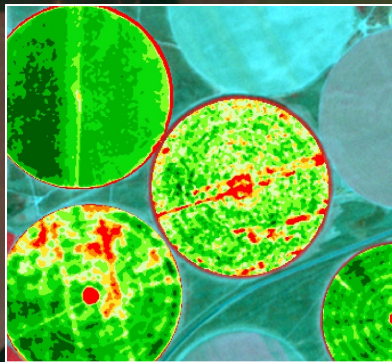
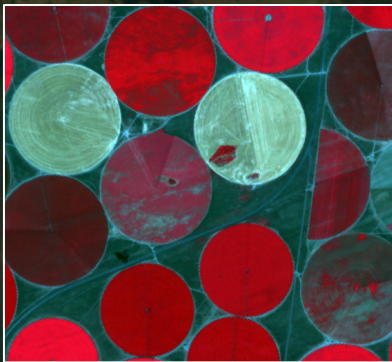






**FALSE COLOR: JULY 6, 2012**

# Planet Labs Data is Global, Fast, and Frequent



**Crop Health  
Monitoring**

**Crop Scouting**

**Yield Analysis**

**Management Zone  
Creation**

**Compare and Analyze  
Land Productivity**

**Assess Infrastructure  
Improvements**

Soybean Fields  
October 12, 2014

Soybean Fields  
October 15, 2014

Soybean Fields  
Harvest: 1136 Acres  
% of Soybean: 15%

# Imagery specifications



Color filter	RGB, NIR (NDVI) 2016
Resolution	3-5 meters ground sampling distance
Revisit rates (scenes)	Monthly – weekly (2015), weekly – daily (2016)
Target capture capacity	150 million km <sup>2</sup> /day (100% Earth land area/day)
Image format	Orthorectified, GeoTIFF
Scene size	100 - 300 km <sup>2</sup>
Delivery	API, Applications

## MOSAICS

Revisit rate	Quarterly – monthly (2015, weekly or better (2016)
% Planet imagery	Greater than 90%
Cloud cover	Less than 10%

