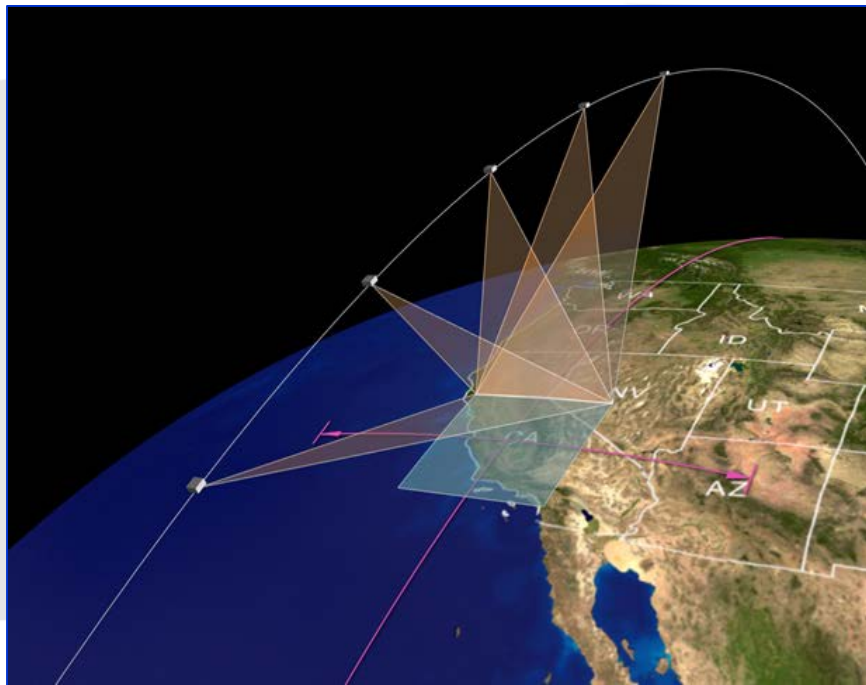




EVI-3 Investigation Summary: Multi-Angle Imager for Aerosols (MAIA)



**Earth System Science Pathfinder (ESSP) Program
Earth Venture Instrument-3 (EVI-3)**

Selected June 2016

Phase C, Implementation

Project Website: <https://maia.jpl.nasa.gov/>

Principal Investigator: David Diner (JPL)
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ESSP Program Manager: Greg Stover (HQ-LaRC)
EVI-3 Mission Manager: Barbara Hilton (HQ/LaRC)
Commercial Host Platform: General Atomics OTB-2

Science Objective:

The Multi-Angle Imager for Aerosols (MAIA) investigation will seek to understand how different types of air pollution affect human health. “Type” refers to the relative amounts of different components that make up the mixtures of airborne particles that we breathe.

Investigation:

The MAIA investigation will provide a highly detailed view of key types of particulate matter air pollution (PM) by viewing a set of Primary Target Areas from space.

This data will be combined with other information, including measurements from air pollution monitors on the ground and outputs from computer models. The results will be used to create daily maps of PM amounts in the Primary Target Areas.