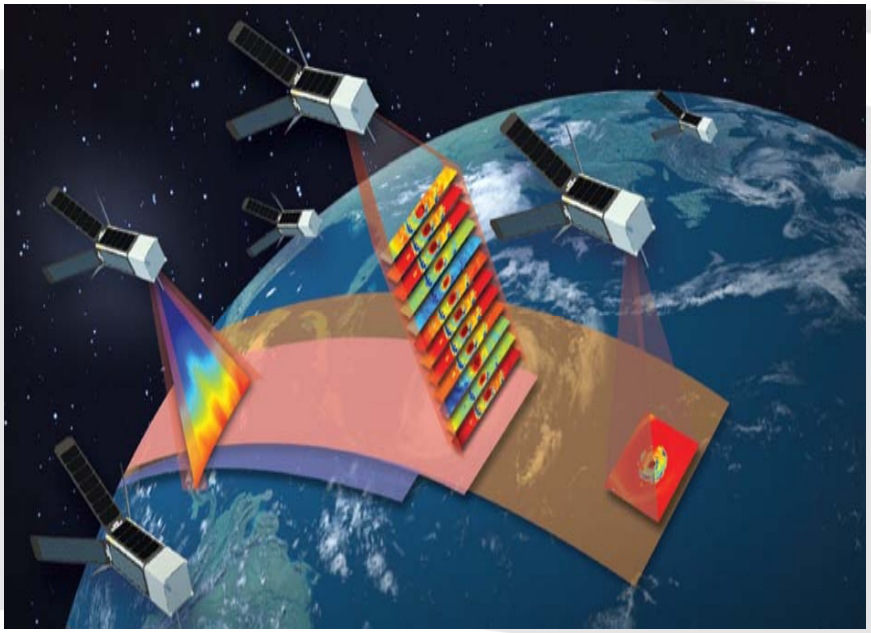
EVI-3 Investigation Summary:
Time-Resolved Observations of Precipitation (TROPICS)



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- Investigation start date: June 2016
- Cost-Capped Cat 3/Risk class ?
- Consists of 12 CubeSats that use scanning microwave radiometers to measure temperature

Science Goals:

- Be the first demonstration that science payloads on low-cost CubeSats can push the frontiers of spaceborne monitoring of the Earth to enable system science.
- Fill gaps in our knowledge of the short time scale—hourly and less—evolution of tropical cyclones. Our current capabilities are an order of magnitude slower.
- Complement CYGNSS by making direct measurements of temperature, humidity and precipitation, in rapidly developing tropical cyclones.
- Potentially make frequent precipitation measurements, expanding on the coverage of the GPM mission.