The RQ-14 Dragon Eye sUAVs were recently acquired by Ames from the U.S. Marine Corps via GSA to support this mission. Flights occurred from March 10-13, 2013. 5 science flights with SO$_2$ sensor and 1 science flight with thermal camera (7-12µm band) were conducted. SO$_2$ concentrations of ~6-20 ppm were detected throughout the day. Collected measurements in the volcano plume coincident with an ASTER overpass. Expanded flight envelope up to 12,500 ft ASL from 8,000 ft ASL published operational ceiling. SIERRA2/Viking carrying a mass spectrometer and other instruments + Dragon Eye in FY2015. Funded by NASA Earth Surface & Interior Focus Area (John Labrecque) and the University of Costa Rica (Prof. Jorge Andres Diaz, Co-I). US Flight Team from JPL, ARC, WFF. Other participants/advisors:
- Applied Sciences University Düsseldorf (Germany)
- RadMet LLC (Redwood City, CA)
- Teledaq LLC (Santa Clarita, CA)
- Aerovironment, Inc. (Monrovia, CA)

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