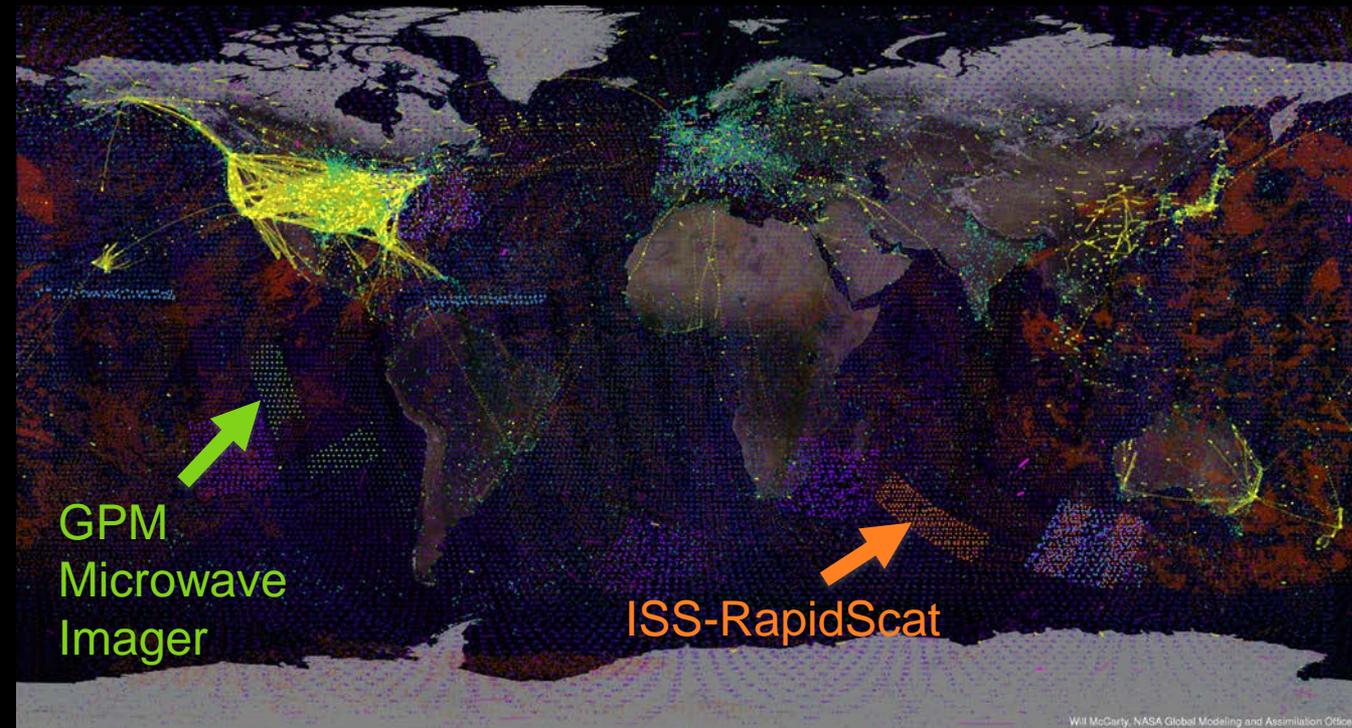


Observations Assimilated at NASA GMAO



Observation Types

	Conventional Observations (Surface)
	Conventional Observations (Upper Air)
	Satellite-Derived Winds
	Microwave Imager Radiances
	Infrared Radiances
	Microwave Sounder Radiances
	GPS Radio Occultation
	Satellite-Derived Ozone

This image depicts the roughly five million observations that are assimilated every six hours in the GEOS-5 atmospheric data assimilation system. The snapshot shown above is for 10 Dec 2014 at 0142 UTC. Observations from the Global Precipitation Mission and RapidScat onboard the International Space Station are highlighted: these are both new NASA observation types that have recently been investigated in GEOS-5.

The accompanying animation shows how these different observations build up through the day.