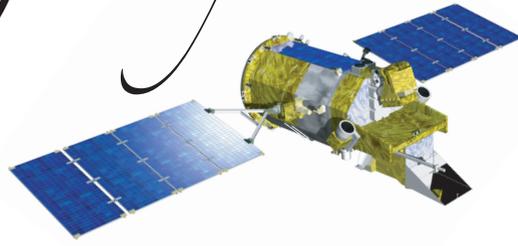


Glory



Bank on it! Worksheet

temperature anthropogenic climate system solar Glory
aerosols energy black carbon satellite atmosphere

The _____ Mission will increase our understanding on the Earth's Energy Balance.

The Earth's _____ balance and the effect on climate requires measuring black carbon soot, other _____, and the total solar irradiance. Glory is a low Earth orbit (LEO) scientific research _____ designed to achieve two major goals:

Collect data on the properties of aerosols and _____ in the Earth's _____ and _____. It will enable a greater understanding of the seasonal variability of aerosol properties.

Collect data on _____ irradiance for the long-term effects on the Earth climate record. Understanding whether the _____ increase and climate changes are by-products of natural events or whether the changes are caused by _____ sources is of primary importance.