



EVI-5 Investigation Summary: Geostationary Littoral Imaging and Monitoring Radiometer (GLIMR)



Earth System Science Pathfinder (ESSP) Program Earth Venture Instrument-5 (EVI-5)

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Phase A, Formulation

Project Website: TBD

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Host Platform: TBS

Coastal ecosystems provide critical services and are increasingly pressured by population growth and a changing climate. We need to understand the factors that affect their water quality, ecological processes, and biogeochemical cycles. GLIMR fills this need using a hyperspectral ocean color radiometer capable of delivery high-frequency, high spatial and spectral resolution data from geostationary orbit. GLIMR will make observations of rapidly evolving phytoplankton dynamics and hazards such as Harmful Algal Blooms (HABs) and oil spills in the Gulf of Mexico and other selected coastal regions of North and South America.

