Multimethod comparison and optimization of remote sensing algorithms within the Gulf of Alaska

Thomas B Kelly

Hisatomo Waga

Suzanne Strom

Abstract

Ocean color-derived quantities are invaluable for providing spatial and temporal coverage of the global ocean across many physically and biologically relevant length scales. In this study we compare existing global algorithms for chlorophyll-a, particulate organic matter, and net primary production (NPP) with regionally optimized parameterizations to explore apparent regional idiosyncrasies. We find that autonomous underway instrumentations provide valuable context for sub-grid scale variability.

Introduction

Methods

Results

Discussion

References