

OCEAN OPTICS XXIV

Valamar Lacroma Dubrovnik Hotel | Dubrovnik, Croatia | October 7–12, 2018

<https://oceanopticsconference.org>

Monday, October 8

Poster Session 1

16:00–18:00

Poster 220

THE EXPORT PROCESSES IN THE OCEAN FROM REMOTE SENSING (EXPORTS) NORTHEAST PACIFIC FIELD CAMPAIGN

The goal of the EXport Processes in the Ocean from RemoTe Sensing (EXPORTS) field campaign is to develop a predictive understanding of the export and fate of global ocean primary production and its implications for the Earth's carbon cycle in present and future climates. EXPORTS builds upon decades of NASA-supported research assessing global net primary production from space and is designed to deliver science of significant societal relevance by better characterizing the fate of organic carbon in the ocean from future satellite ocean color instruments. The first EXPORTS field deployment was conducted in August-September 2018 near Station P in the Northeast Pacific Ocean. This poster presentation will present the Northeast Pacific field deployment focusing on the coordinated deployment of multiple ships and robots to understand and quantify the multiple pathways by which fixed organic carbon is exported into the ocean interior.

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