

OCEAN OPTICS XXIV

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

<https://oceanopticsconference.org>

Thursday, October 11

Poster Session 4

10:30–12:00

Poster 184

A TIME-LAPSE SEQUENCE OF PARTICLE ARRIVALS IN THE 2018 EXPORTS SEDIMENT TRAPS

Custom time-lapse cameras (“SnoCams”) were mounted below gel-based sediments traps at three depths spanning the upper twilight zone during the recent EXPORTS 2018 cruise. These cameras took photos of the particles accumulated in the gel every 10 minutes, spanning the month-long experiment. The cameras are compact (<0.5 litre), low cost (<\$100) and use a novel power-switching solution to optimize energy efficiency - with sufficient battery life to take hourly images for 4 months. The preliminary findings from this first-time deployment are presented and interpreted in the context of high resolution bio-optical profiles made by a Wirewalker platform deployed near the traps.

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