

September 2018 Newsletter

SOUTHERN CALIFORNIA COASTAL OCEAN OBSERVING SYSTEM: A Science-Based Decision Support System

In this Issue

[Joint HSRP and IOOS Meeting](#)

[IOOS Fall Meeting](#)

[Record Breaking SST](#)

[Catalina Sea Ranch Researchers Visit SCCOOS](#)

[EPOC](#)

[Prevention First Long Beach](#)

[CoPe Scoping Workshop](#)

[IOOS Web User Survey](#)

[Save the Date!](#)

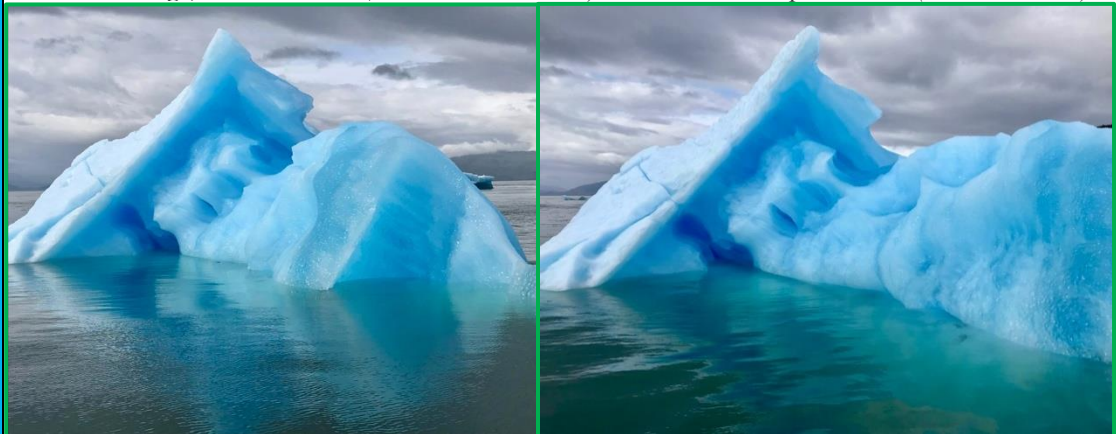
Joint HSRP and IOOS Meeting

NOAA's Hydrographic Services Review Panel (HSRP), convened in Juneau August 28th – 30th to discuss Arctic and Alaska maritime issues.

Julie Thomas, SCCOOS Senior Advisor, was sworn into HSRP back in March. One of the many challenges in the Arctic is that only [4.1% of the Arctic is charted](#). The panel discussed the significance of navigation services and ocean observations and how to better fill the gaps for Arctic and Alaska maritime.



Left to Right: Carl Gouldman (IOOS), RDML Tim Gallaudet (NOAA), Captain Ed Page (Alaska Marine Exchange), Julie Thomas (SCCOOS and CDIP), and Admiral Shepard Smith (Coast Services).



Thomas arrived early to see the breathtaking glaciers along Tracy Arm Fjord, just south of Juneau.

In this Issue

[Joint HSRP and IOOS Meeting](#)

[IOOS Fall Meeting](#)

[Record Breaking SST](#)

[Catalina Sea Ranch Researchers Visit SCCOOS](#)

[EPOC](#)

[Prevention First Long Beach](#)

[CoPe Scoping Workshop](#)

[IOOS Web User Survey](#)

[Save the Date!](#)

IOOS Fall Meeting and Directors Meeting

Clarissa Anderson, SCCOOS Director, and Julie Thomas, SCCOOS Senior Advisor, attended the annual IOOS Program meeting hosted by MARACOOS on September 18th and 19th in Annapolis, MD.

The meeting focused on how U.S. IOOS can address the growing need for biological observations. Prior to the meeting each Regional Association interviewed key stakeholders to build a greater understanding of who in our region has a need for biological observations, data, and products. SCCOOS supports local biological observations by 1) contributing to the statewide [HABMAP program](#); 2) monitoring for [HAB species and domoic acid](#) at eight shore stations, 3) synthesizing the monthly HAB monitoring data into a collaborative [California HAB Bulletin](#); 4) collecting [phytoplankton and zooplankton samples](#) on CalCOFI – CCE-LTER cruises; 5) conducting [seabird surveys](#) on CalCOFI and NMFS Juvenile Rockfish Ecosystem surveys; and 6) SCCOOS is in the process of making HABMAP data available on the ERDDAP server to later be ingested in the MBON portal.

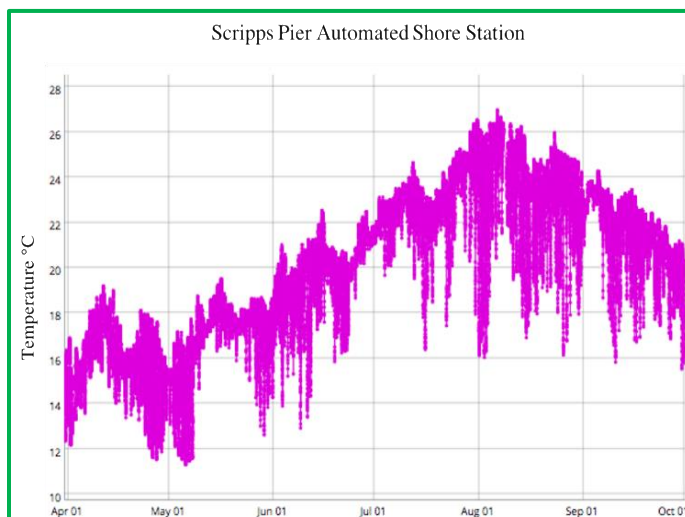


IOOS Fall Program Meeting at the Chesapeake Bay Foundation in Annapolis, MD.

Record Breaking Sea Surface Temperatures in Southern California

Ocean Temperatures hit record high in San Diego at 78.8°F on August 3rd.

Researchers from [Scripps Institution of Oceanography](#) have been collecting data near the Scripps Pier since 1916. Researchers have also been collecting seawater temperature from Automated Shore Stations, gliders and buoys. All of which are telling a similar story. Clarissa Anderson talked with [CNN](#) about the anomalous warming trend in Southern California that we have been experiencing since the 2014 “blob” event.



In this Issue

[Joint HSRP and IOOS Meeting](#)

[IOOS Fall Meeting](#)

[Record Breaking SST](#)

[Catalina Sea Ranch Researchers Visit SCCOOS](#)

[EPOC](#)

[Prevention First Long Beach](#)

[CoPe Scoping Workshop](#)

[IOOS Web User Survey](#)

[Save the Date!](#)

Catalina Sea Ranch and Primary Ocean Producers

On August 29th, Clarissa Anderson (SCCOOS Executive Director), Megan Hepner (SCCOOS Program Coordinator) and James Behrens (CDIP) met with Lindsay Cruver from Catalina Sea Ranch and Courtney Schatzman from Primary Ocean Producers to discuss collaborating to add ocean acidification measurements to Catalina Sea Ranch NOMAD buoy.

As part of a West Coast-wide ocean acidification project funded by IOOS and the [NOAA Ocean Acidification Program](#) the Generation 1 ACDC system was developed by [Sunburst Sensors](#) to allow low-cost measurement of pCO₂. The Generation 1 ACDC system was [deployed at Carlsbad Aquafarm](#) in June and operated by Todd Martz's lab. Once the 2nd-generation ACDC system is complete and ready to be deployed, we hope to transfer the Generation 1 ACDC system to Catalina Sea Ranch.



Left to Right: Courtney Schatzman (Ocean Producers), Lindsay Cruver (Catalina Sea Ranch), Clarissa Anderson (SCCOOS), James Behrens (CDIP), and Megan Hepner (SCCOOS).

Eastern Pacific Ocean Conference (EPOC)

Clarissa Anderson, SCCOOS Executive Director and EPOC President, attended the 65th annual [Eastern Pacific Ocean Conference](#) September 12th – 15th in Mt. Hood, Oregon. This was an incredibly fun meeting thanks to the support of EPOC Treasurer, Noel Pelland, and this year's Co-Chairs, Manu Di Lorenzo and Liz Drenkard.

Thomas “Zack” Powell from UC Berkeley gave an exciting fireside chat about ecosystem predictability. Over the course of the meeting, many thought-provoking discussions arose regarding the state of the California Current Ecosystem, with sessions highlighting Nearshore Processes, Marine Protected Areas, and Trends in the Eastern North Pacific Ocean. The full agenda can be found [here](#).



Eastern Pacific Ocean Conference
easternpacificoceanconference.org

In this Issue

[Joint HSRP and IOOS Meeting](#)

[IOOS Fall Meeting](#)

[Record Breaking SST](#)

[Catalina Sea Ranch Researchers Visit SCCOOS](#)

[EPOC](#)

[Prevention First Long Beach](#)

[CoPe Scoping Workshop](#)

[IOOS Web User Survey](#)

[Save the Date!](#)

In this Issue

Prevention First Long Beach

Julie Thomas attended the Prevention First symposium where Captain Kip Louttit, SCCOOS Board of Governors member, presented on the Under Keel Clearance project for the Port of Long Beach.

Every two years the California State Land Commission presents its Prevention First symposium to discuss pollution prevention. The convention was a nice opportunity to talk about the benefits of the SCCOOS HF Radar surface currents and the CDIP wave buoys. Learn more about the symposium [here](#).



Left to Right: Captain Kip Louttit (Marine Exchange of Southern California) and Chris P. (California State Lands Commission) Photo credit: California State Lands Commission.

Coastlines and People (CoPe) Scoping Workshop

September 26th to 27th Clarissa Anderson, SCCOOS Executive Director, attended the virtual [CoPe Scoping workshop](#).

The NSF CoPe Initiative launched several national workshops to scope ideas for regional “hubs” that would help bring science and the human dimension together while optimizing existing knowledge and programs. You can view the workshop recommendations [here](#).

LinCCS between: time ↔ space ↔ system ↔ complexity
build tools that link/couple different spatial, temporal, system models in order to address community identified coastal problems

Phase I
community identified problem

Phase II
tool & linkage building

Phase III
community/manager dissemination & implementation

San Diego, CA
September 28th, 2018

More info at...
Coastlinesandpeople.org

Sarah Giddings of SIO reporting out at the San Diego Workshop.

[Joint HSRP and IOOS Meeting](#)

[IOOS Fall Meeting](#)

[Record Breaking SST](#)

[Catalina Sea Ranch Researchers Visit SCCOOS](#)

[EPOC](#)

[Prevention First Long Beach](#)

[CoPe Scoping Workshop](#)

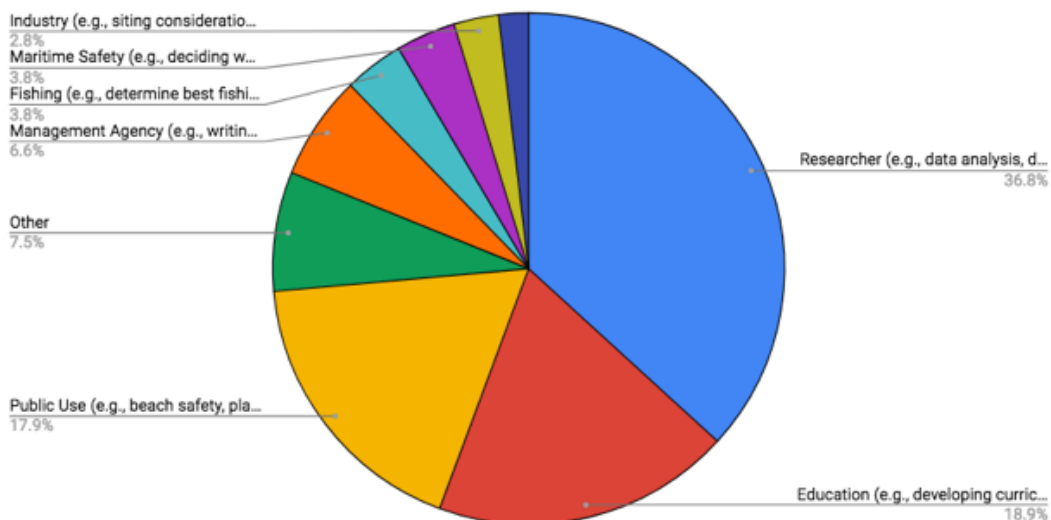
[IOOS Web User Survey](#)

[Save the Date!](#)

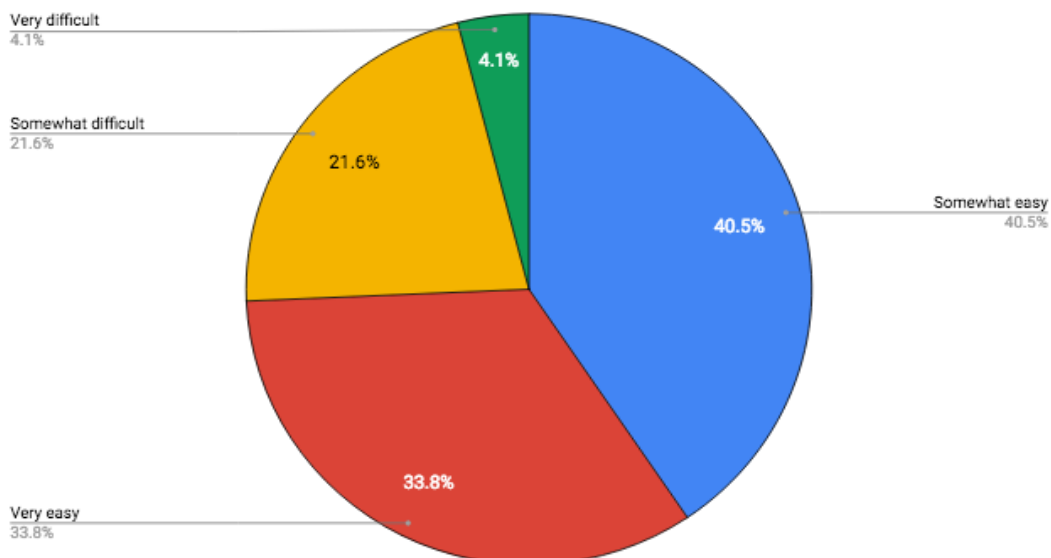
IOOS Web User Survey Results

SCCOOS posted the IOOS Web User Survey from September 10th – 24th. IOOS asked each regional association to conduct a short survey of [eight questions](#). The information will provide IOOS with a system-wide assessment of users and will inform their outreach and message to NOAA and Congress as well as be a part of an economic valuation study. We had a total of 96 respondents. The majority of respondents said they use SCCOOS observations, products, and projects for research, education, and public use. Many of the comments and feedback were along the lines of improving our web-based delivery of data and products. We appreciate all of you who took the time to answer the survey. We will be sure to use this information to enhance our observations, products, and projects.

2. Please select a category that describes how you are using the data in our observations, products and/or projects and then describe the use further. Please check all that apply.



4. How easy is it to use SCCOOS observation, products and/or projects?



SCCOOS results from questions two and four from the IOOS Web User Survey.

Upcoming Activities

Oct. 22 – 26:
ICHA Meeting

Oct 25 – 26:
Summit
Phenomena

Nov 5 – 9:
BlueTech Week

Nov 7 – 9:
Biological
Observation
Workshop

Nov 10: NOAA
Day

Nov 14: JSAC
Meeting

Nov 15 – 16:
CeNCOOS
Science meeting

Nov 28: Board
of Governors
Meeting

Save the Date!

SCCOOS – CeNCOOS – NANOOS Biological Observation Workshop
November 7-9, 2018 Santa Cruz, CA. [Register](#) for Free.

--- SAVE THE DATE ---

NANOOS-CeNCOOS-SCCOOS ATN-MBON-OTN Biological Observations Workshop

Identifying U.S. West Coast
stakeholder needs and observation
priorities for animal telemetry and
marine biodiversity observations

November 7–9, 2018
Santa Cruz, CA
Register [HERE](#)

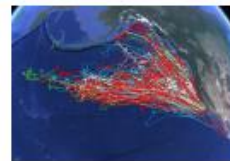
WORKSHOP BACKGROUND

This is one in a series of regional workshops to identify priority stakeholder needs for regional telemetry and other types of observations of aquatic species that could be served by an ATN/MBON/OTN baseline network and to examine whether the type and extent of existing telemetry and biodiversity observing assets could adequately satisfy these requirements. The information generated at the workshop will be used to identify regional and national observation priorities to ensure that both are being met, a concise plan for sufficient funding of the envisioned national ATN tagging and MBON programs, and how integration and coordination of these assets will be achieved

Animal Telemetry Network

Ocean Tracking Network

Marine Biodiversity Observation Network



WORKSHOP OBJECTIVES

- Identify and prioritize keystone monitoring and observational needs
- Identify the existing assets and capabilities in the region
- Document stakeholder uses of telemetry data
- Identify infrastructure and data management challenges and opportunities



SCCOOS

8880 Biological Grade
La Jolla, CA 92037
858-534-9808

