

Miami, March 8<sup>th</sup>, 2019

Dr. Clarissa Anderson  
Executive Director  
Southern California Coastal Ocean Observing System  
Scripps Institution of Oceanography  
9500 Gilman Drive, 0206  
La Jolla, CA 92093-0214

Dear Dr. Anderson:

On behalf of Carnival Cruise Line, I enthusiastically endorse the valuable data and services provided by the Southern California Coastal Ocean Observing System (SCCOOS) at the Scripps Institution of Oceanography, University of California San Diego.

We are a major Cruise Line, operating in Long Beach Passenger Terminal for decades. At present we have three vessels, and adding a larger one at the end of year. Our terminal is exposed to Oceanic ground Swell, at certain time of the year, and your data helps tremendously at the planning stage prior the ship docks alongside. We have reduced “breaking out of the pier” incidents since we are using the hydrographic information the service provides.

We use the data to assure safe operation when we are docked alongside and we transfer thousands of people on/off the ship. We also connect to “shore power” during our stay in port, therefore a safe mooring arrangement, with swell condition, is of paramount importance.

As a science-based decision support system, the Ocean Observing System’s work interactively with local, state and federal agencies, resource managers, industry, policy makers, educators, scientists and the general public to provide data, models and products that advance our understanding of the current and future state of our coastal and global environment. SCCOOS focuses on coastal observations and product development to provide information necessary to address issues marine operations, coastal hazards, climate variability and change, and ecosystems, fisheries, and water quality

I understand that SCCOOS is funded primarily by the National Oceanic Atmospheric Administration (NOAA). Sustained funding for SCCOOS will be crucial to the maintenance of the program’s ocean observing network and to the continuity of the important data products and services that these observations enable. Please feel free to contact me if you have any questions.

Sincerely,



**SALVATORE RASELLO**  
DIRECTOR  
NAUTICAL SAFETY

Captain Sal Rasello  
Carnival Cruise line  
Nautical Director and Planning