



January 15, 2020

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 and lately from San Diego and San Francisco . At present we have four vessels operating in the area. Our terminal in Long Beach is exposed to Ocean ground Swell, at certain time of the year. Your data helps tremendously to plan for a safe approach and mooring. Since we use your data, we have reduced the number of mooring lines breakage and unsafe situations, during docking, people transfer on/off the ship and during bunkering operation. We also connect to shore power (clean energy) in Long Beach and San Diego , therefore you can imagine how critical is a safe mooring in presence of ground swell.

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 RASSELLO  
Director of Nautical Planning  
Carnival Cruise Line