

## PRELIMINARY CRUISE REPORT – SEA Cruise C-254

U.S. Dept. of State CRUISE No.:	F2014-007
SHIP NAME:	<i>SSV Corwith Cramer</i>
OPERATING INSTITUTE OR AGENCY:	Sea Education Association
PROJECT TITLE:	SEA Cruise C-254 (Leg 1)
CRUISE TRACK:	Cork, Ireland to Cádiz, Spain, with port stops at Douarnenez, France and Lisbon, Portugal
CRUISE DATES (INCLUSIVE):	4 July 2014 – 3 August 2014

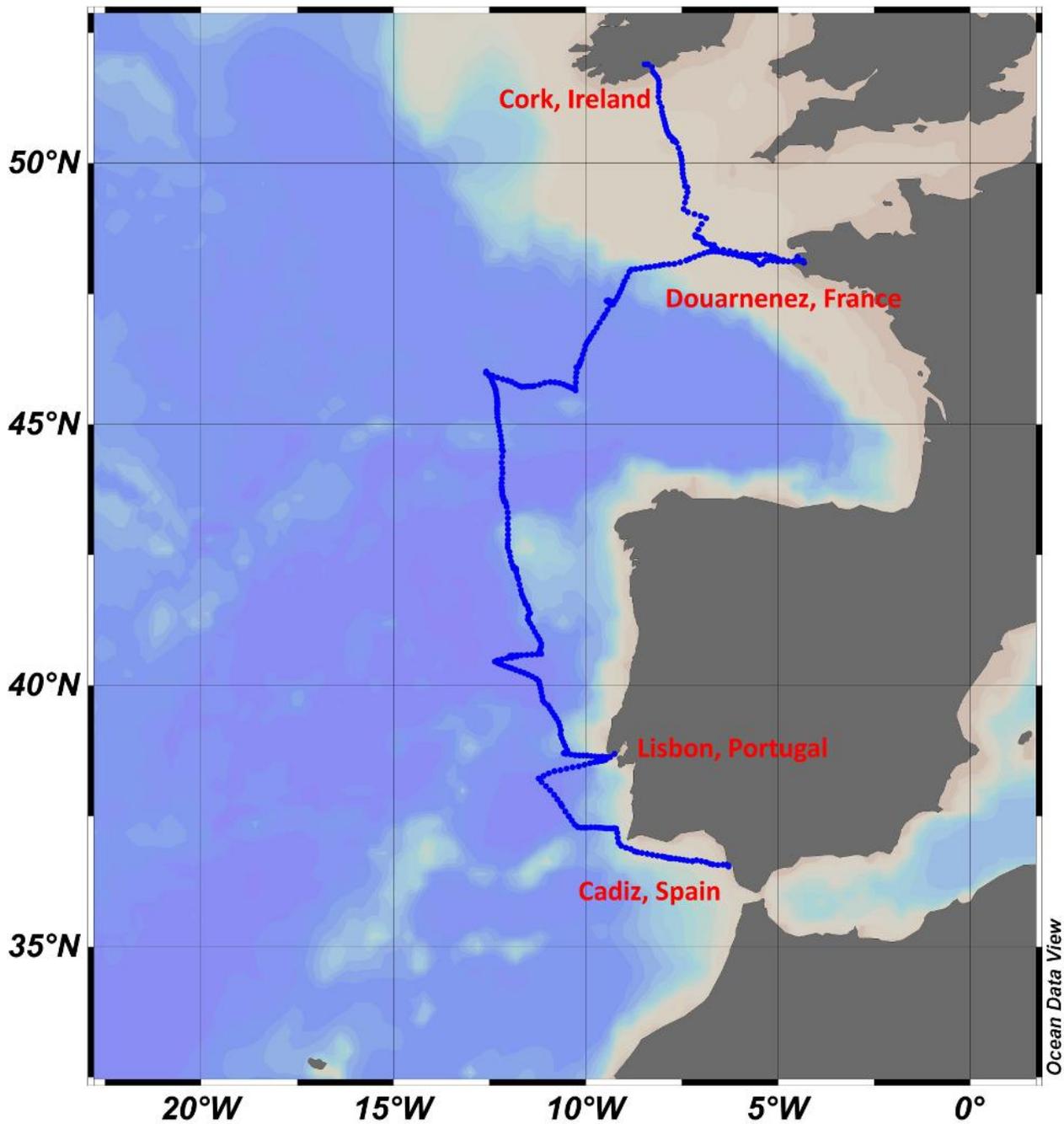
COORDINATING SCIENTIST:	
Name	Maia Theophanis
Affiliation	Sea Education Association
Address	PO Box 6, Woods Hole, MA 02543
Phone	508-540-3954
Fax	508-457-4673
E-mail	maiatheophanis@gmail.com

CLEARANCE COUNTRIES:	Ireland, United Kingdom, France, Spain, Portugal
FOREIGN PARTICIPANTS:	None

DESCRIPTION OF SCIENTIFIC PROGRAM (include page-sized chartlet showing cruise track):	
<ol style="list-style-type: none"> <li>1. Biological studies of neuston organisms.</li> <li>2. Physical oceanographic studies of open-ocean waters.</li> <li>3. Chemical oceanographic studies from open-ocean.</li> <li>4. Distribution of petrochemical pollutants (tar and plastic).</li> <li>5. Geological bottom sampling (CHIRP sub-bottom profiler).</li> </ol>	

SCHEDULE OF DATA DELIVERY:	
Data Description	Date of Expected Delivery to Dept. of State
Zooplankton samples – 25 stations	3 August 2015
Sea surface temperature, salinity, chlorophyll a – 29 stations	3 August 2015
CTD data – 6 stations	3 August 2015
Secchi disk – 1 station	3 August 2015

# Cruise Track, F2014-007, Sea Education Association Cruise C-254 (Leg 1) <sup>1</sup>



<sup>1</sup> **Note:** The ship arrived in Cádiz, Spain on 2 August 2014, and the student participants disembarked on 3 August 2014, ending Cruise C-254 (Leg 1). The ship then stayed in Cádiz from 3 August 2014 through 7 August 2014. Cruise C-254A (Leg 2) began on 7 August 2014.

## PRELIMINARY CRUISE REPORT – SEA Cruise C-254A

U.S. Dept. of State CRUISE No.:	F2014-007
SHIP NAME:	<i>SSV Corwith Cramer</i>
OPERATING INSTITUTE OR AGENCY:	Sea Education Association
PROJECT TITLE:	SEA Cruise C-254A (Leg 2)
CRUISE TRACK:	Cádiz, Spain to Denia, Spain, with port stop to disembark most participants in Cartagena, Spain
CRUISE DATES (INCLUSIVE):	6 August 2014 – 11 August 2014

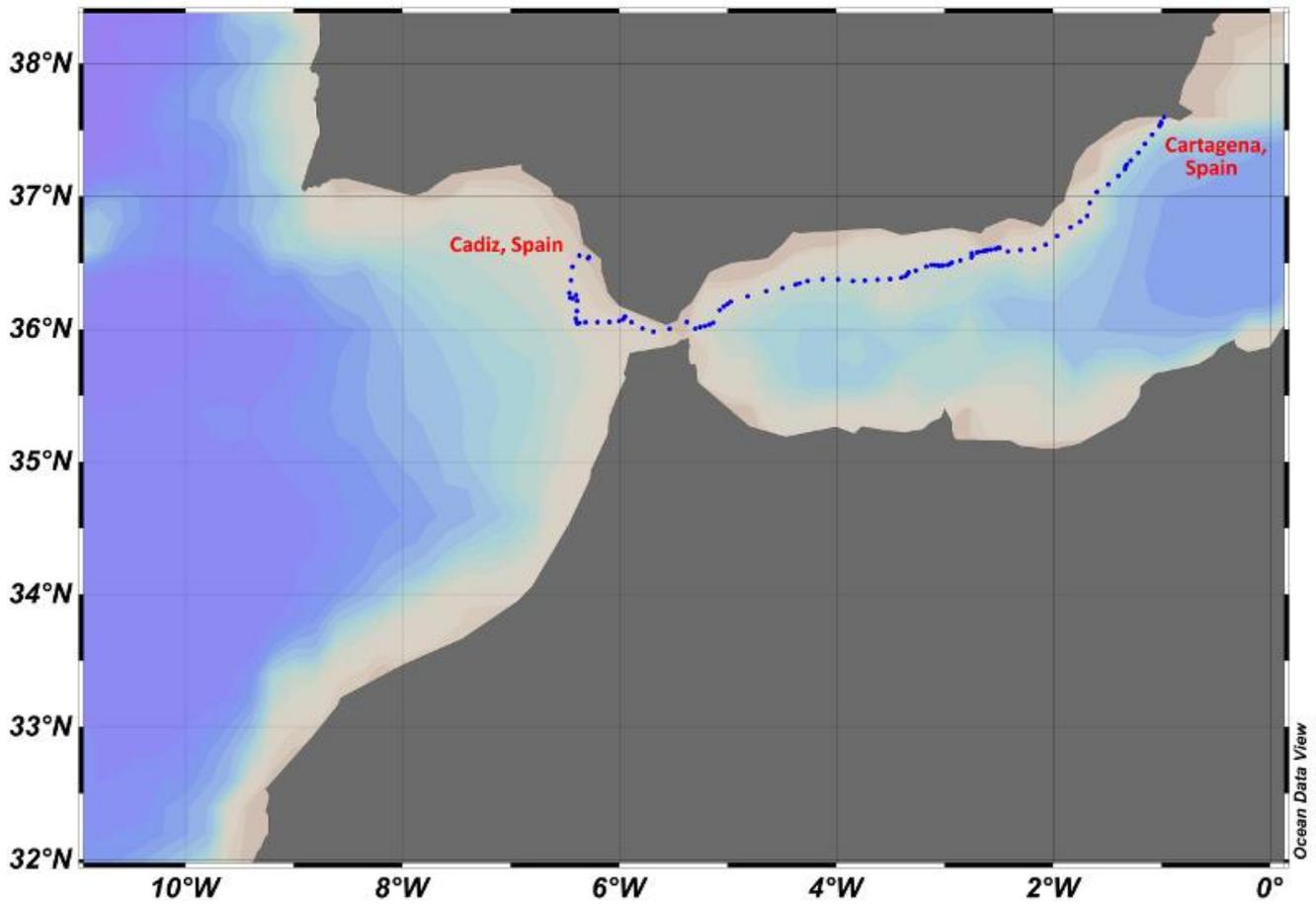
CHIEF SCIENTIST:	
Name	Erik Zettler
Affiliation	Sea Education Association
Address	PO Box 6, Woods Hole, MA 02543
Phone	508-540-3954
Fax	508-457-4673
E-mail	ezettler@sea.edu

CLEARANCE COUNTRIES:	Spain, United Kingdom (Gibraltar)
FOREIGN PARTICIPANTS:	None

DESCRIPTION OF SCIENTIFIC PROGRAM (include page-sized chartlet showing cruise track):
<ol style="list-style-type: none"> <li>1. Biological studies of neuston and mid-depth organisms.</li> <li>2. Physical oceanographic studies of open-ocean waters.</li> <li>3. Chemical oceanographic studies from open-ocean.</li> <li>4. Distribution of petrochemical pollutants (tar and plastic).</li> <li>5. Geological bottom sampling (CHIRP sub-bottom profiler).</li> </ol>

SCHEDULE OF DATA DELIVERY:	
Data Description	Date of Expected Delivery to Dept. of State
Zooplankton samples – 7 stations	3 August 2015
Sea surface temperature, salinity, chlorophyll <i>a</i> , – 8 stations	3 August 2015
CTD data – 5 stations	3 August 2015
Water chemistry samples of upper ~500 m – 2 stations	3 August 2015
Seafloor sediment samples – 2 stations	3 August 2015
Secchi disk – 1 station	3 August 2015

# Cruise Track, F2014-007, Sea Education Association Cruise C-254A (Leg 2)<sup>1</sup>



<sup>1</sup> **Note:** This chart shows the portion of the C-254A (Leg 2) cruise track during which scientific activities were conducted. Most cruise participants disembarked the ship in Cartagena, Spain on 11 August 2014. Following that, the ship then transited directly to Denia, Spain, without collecting scientific data, arriving there on 14 August 2014.