

PRELIMINARY CRUISE REPORT

U.S. Dept. of State CRUISE No.:	F2015-042
SHIP NAME:	<i>SSV Robert C. Seamans</i>
OPERATING INSTITUTE OR AGENCY:	Sea Education Association
PROJECT TITLE:	Sea Cruise S-262
CRUISE DATES (INCLUSIVE):	30 September 2015 – 09 November 2015

CHIEF SCIENTIST:	
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CLEARANCE COUNTRIES:	USA, Samoa, France, Fiji, New Zealand
FOREIGN PARTICIPANTS:	Ben Harden (UK), Sharthak Neupane (Nepal), Erica Jamieson (UK)

DESCRIPTION OF SCIENTIFIC PROGRAM (include page-sized chart showing cruise track):
<p>The research undertaken on this cruise fell under the following broad categories:</p> <ol style="list-style-type: none"> 1. Biological studies of zooplankton biogeography. 2. Distribution of phytoplankton and related nutrients in the surface ocean. 3. Physical oceanography of the region covered by the cruise track. 4. Surface and Subsurface pH. <p>In support of these projects, we conducted the following station work:</p> <ol style="list-style-type: none"> 1. Neuston plankton tows – 31 2. Deep (~100-200 m) meter and two-meter nets tows - 5 3. Hydrocast stations for sampling chlorophyll a, nitrate and phosphate concentrations, and pH, with on-board CTD salinity/temperature/depth/dissolved oxygen/ downwelling light/ <i>in situ</i> chlorophyll a profiles – 36 4. Surface Stations with bucket sampling for chlorophyll a, nitrates, phosphates, and pH – 89 5. Continuous flow-through measurements of chlorophyll a fluorescence, temperature, salinity, CDOM, turbidity.

SCHEDULE OF DATA DELIVERY:	
Data Description	Date of Expected Delivery to Dept. of State
Final cruise report and electronic access to archived data.	09 November 2016
Data summary, station locations	09 November 2016

CRUISE TRACK
Sea Education Association Cruise S-262

