#### How Do Upwelling and El Niño Impact Coral Reef Growth?

# HANDOUT S1

**HANDOUT S1.** Five corals from the Gulf of Panamá for measuring linear growth in 2016 (left side) and again in 2017 (right side). Images were captured by authors Randall and Toth during a research expedition to Panamá. The unique numbers and letters next to each coral were used to identify individual colonies. The epoxy is purple and the corals are colored because the coral colonies were dyed with a stain called Alizarin red, which turns the growing edge of the skeleton purple and allows precise measurements of skeletal growth.

1 cm

## 1L

### **4L**

1 cm

**6L** 

### 10D

#### Spring 2016

#### Spring 2017

1 cm

**26L**