

R/V *Atlantis*
DSV *Alvin*
AUV *Sentry*

SeepC Cruise

21 May to 14 June 2014

SeepC

A *seascape* approach to understand population connectivity in taxa at chemosynthetic communities (primarily seeps) of the Intra-American Sea.

- physical oceanography
- larval ecology
- population genetics



Duke

CL Van Dover, *Ch Sci*
C Cunningham



U Oregon

C Young
S Maslakova



NC State

D Eggleston
R He

2012

- Caribbean

2014

- Gulf of Mexico

2015

- US eastern continental shelf/slope

- *Alvin* benthic sampling
- *Sentry* plankton pump
- *Sentry* mapping
- mooring recoveries and deployments
- MOCNESS tows

Highlights

- 3500 specimens, 7336 samples
- 21 *Alvin* dives (two 2-dive days), 25 science divers
 - 24 'rookies' (mostly grad students)
 - 1 post doc
 - 1 undergraduate
 - 2 artists
 - 1 ship's crew (Diego Mello)
 - 1 Sentry ops crew (Carl Kaiser)
 - only 1 experienced *Alvin* user (Craig Young)
 - no missed dives
- 18 *Sentry* missions
 - dual ops with MOCNESS
 - dual ops with *Alvin*
 - 1.2 mab plankton sampling (record low-level flight)
 - vertical mapping, Florida Escarpment
- 9 MOCNESS tows

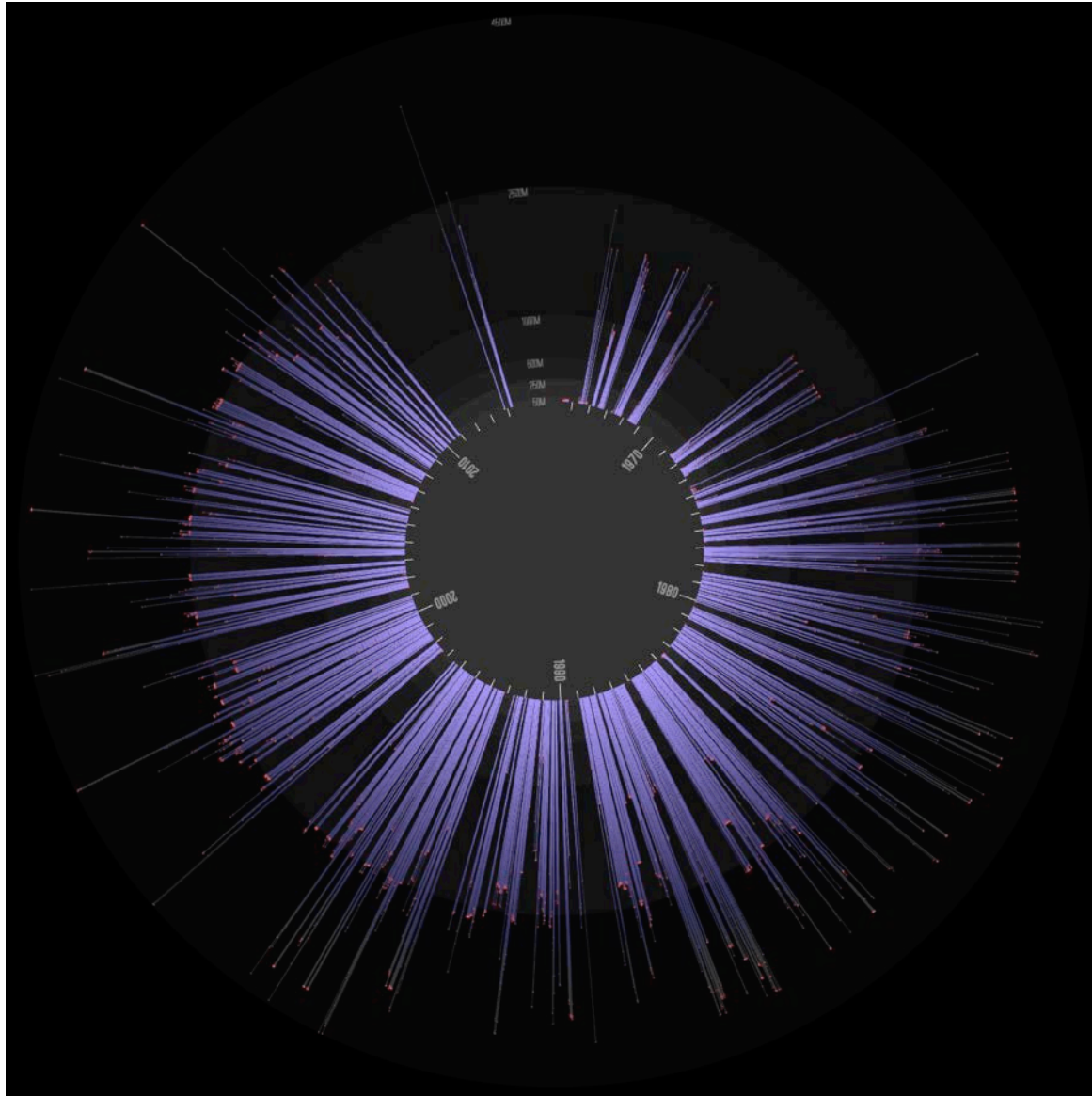


Light!!!

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The Washington Post 6/10/14

'Sherman's Lagoon' cartoonist to explore deep-sea floor Tuesday – but this time, in real life.

WE'RE GOING TO A SPECIFIC PART OF THE
IT'S A PART OF THE GULF THAT'S OVER
SO, IT'S A BIG HOLE.

MONDAY 5 pm: Changing Perspectives: Artists in the Ocean.

Marriott Marquis Salon 13-15

