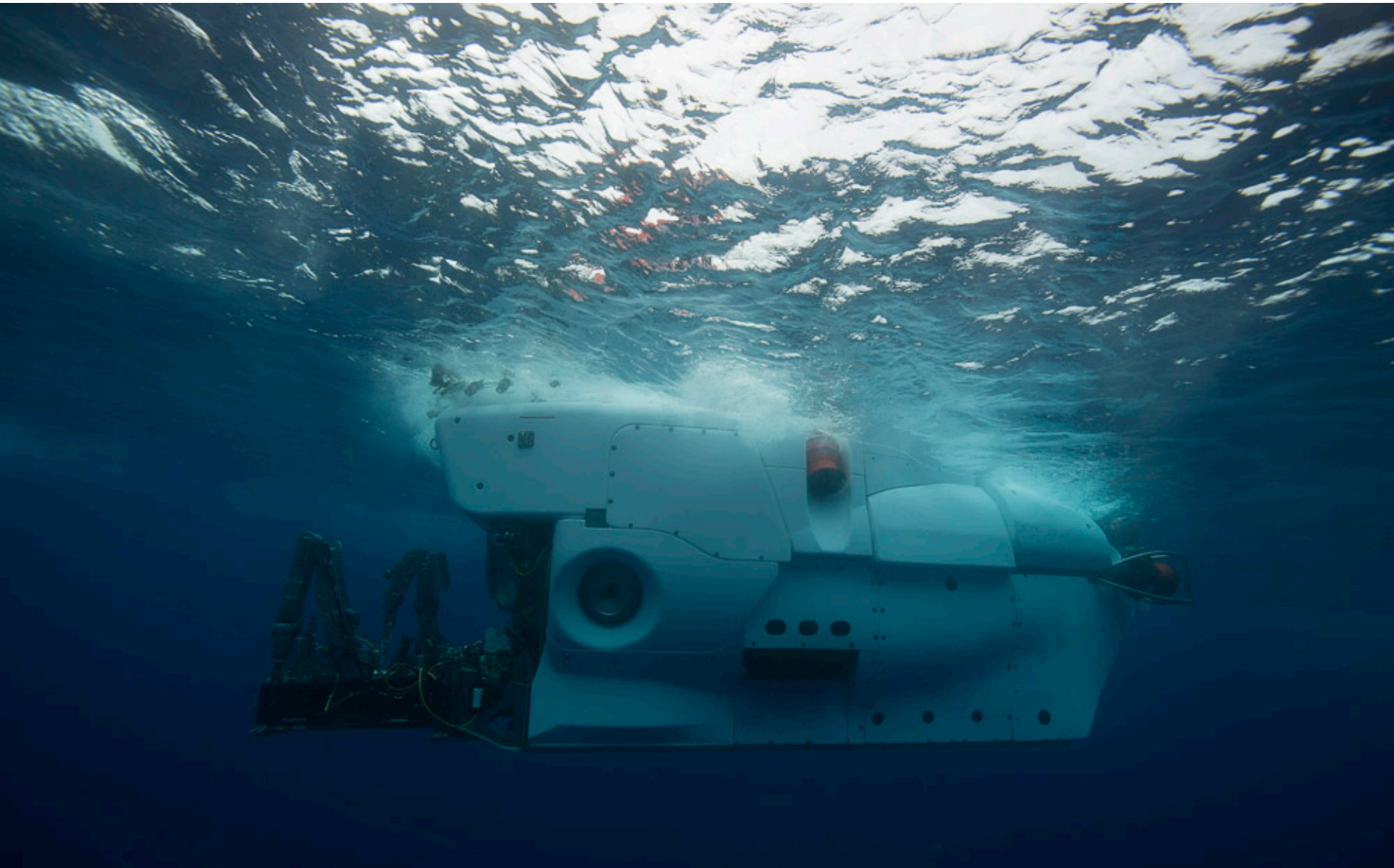


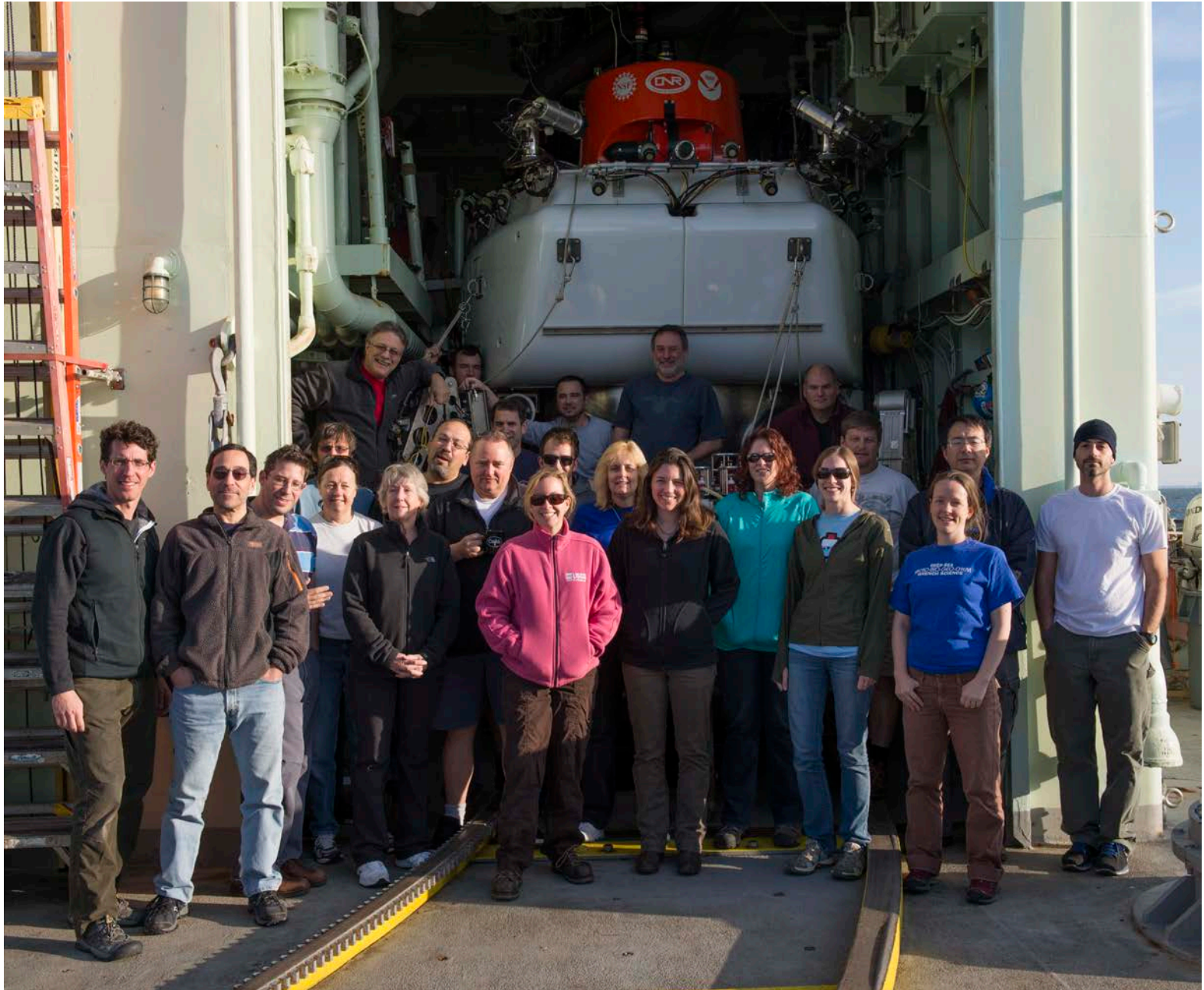
# *Alvin* Science Verification Cruise



# Leg 1 participants



# Leg 2 participants



# *A shout out for Susan Humphris*



# ***Alvin* Science Verification Cruise**

From March 14 to 26, 2014, with support from NSF and ONR, twenty eight scientists and engineers from a variety of institutions sailed with the *DSV Alvin* to “road-test” the new vehicle in the Gulf of Mexico.

## **6 dives designed to shake out the bugs**

### **\*\*Good news\*\***

- Viewports, ergonomics are phenomenal !
- Vehicle handles well underwater
- Battery life, in general, is comparable

# **Alvin Science Verification Cruise**

## **\*\*Bad news\*\***

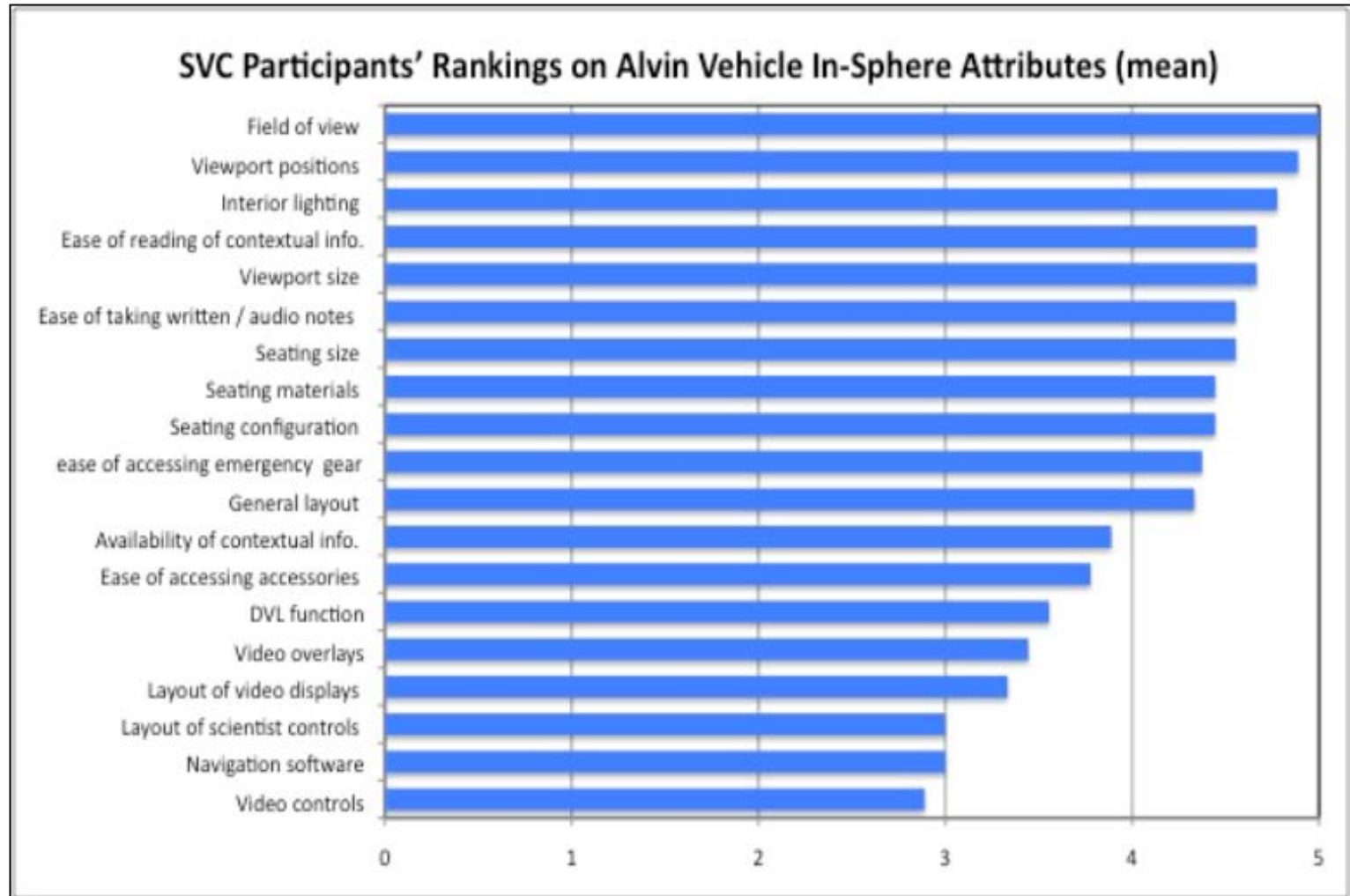
- Video/stillframe recording was compromised
- Some serial communications issues
- Concerns about battery life
- Scrubber fan motor died, cut program short

## **\*\*More good news!\*\***

- Video/stillframe recording issues ~99% resolved
- Serial communications issues resolved
- Battery life issues resolved
- Scrubber fan motor issue resolved (?)

# Alvin Science Verification Cruise

Participants contributed to quantitative and qualitative assessments



All of these data are online at the UNOLS website

# Science Verification Cruise (SVC) website

## Alvin Science Verification Cruise



Image credits: *Alvin* in the Hanger (left), photo by George Luther (U. Delaware); DSV-2 Alvin print (right), drawing by Kenn Berry

[Project Background](#)

[Cruise Objectives](#)

[Cruise Assessment](#)

[Cruise Data and Samples](#)

### Cruise Outreach & Publications:

#### Alvin Science Verification Cruise Website:

Cruise activities, videos, images and posts while at sea are documented on the WHOI website at:  
<http://alvinverification.whoi.edu/>

#### Wired.com, by Jeffrey Marlow:

<http://www.wired.com/wiredscience/2014/03/re-introducing-deep-submergence-vehicle-alvin/>

[http://archive.unols.org/committees/dessc/SVC\\_March2014/SVC\\_Products\\_and\\_Assessment.html](http://archive.unols.org/committees/dessc/SVC_March2014/SVC_Products_and_Assessment.html)



# Media coverage

Wired.com, by Jeffrey Marlow:

<http://www.wired.com/wiredscience/2014/03/re-introducing-deep-submergence-vehicle-alvin/>

<http://www.wired.com/wiredscience/2014/03/alvins-return-sea/>

Oceanus Article:

*At 50, Alvin Gets an Extreme Makeover - Same name, but dramatically upgraded submersible*

By Lonny Lippsett :: Originally published online June 11, 2014 : In print Vol. 51, No.1, Summer 2014

<http://www.whoi.edu/oceanus/feature/at-age-50--alvin-gets-an-extreme-makeover>

EOS article on Alvin's 50th Birthday:

*Fifty Years of Deep Ocean Exploration With the DSV Alvin*  
*Fifty Years of Deep Ocean Exploration With the DSV Alvin*

BY S. E. HUMPHRIS, C. R. GERMAN, AND J. P. HICKEY

Physics Today:

*Researchers get back to the deep*

by Toni Feder

Citation: Physics Today 67(6), 29 (2014); doi: 10.1063/PT.3.2415

View online: <http://dx.doi.org/10.1063/PT.3.2415>

A birthday wish from an *Alvin* alum who now works at MO BIO Inc:

<http://www.youtube.com/watch?v=0oXGT3YXTF8>

Deep-Sea Life:

Issue 3, May 2014

Welcome to the NEW Alvin!

by Jeffrey Marlow, California Institute of Technology

<http://www.indeep-project.org/sites/indeep-project.org/f/document/DSL3.pdf>

Marine Technology News:

*Upgraded Alvin Sub Passes Scientific Sea Trials*

March 28, 2014

<http://www.marinetechologynews.com/news/upgraded-alvin-passes-scientific-489179>

Smithsonian.com:

*Fast Forward: The Alvin Will Make The Ocean More Accessible Than Ever Before - A League of Its Own*

By Erica R. Hendry

Smithsonian Magazine | Subscribe

June 2014

<http://www.smithsonianmag.com/innovation/fast-forward-180951444/?no-ist>



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