



NSF's Cabled Array Operations and Maintenance Cruise – VISIONS'16

D.S. Kelley and the UW Cabled Array Team
University of Washington



JUAN DE FUCA
PLATE

July 8 – August 15, 2016
R/V Sikuliaq and ROV Jason

SLOPE BASE

HYDRATE
RIDGE

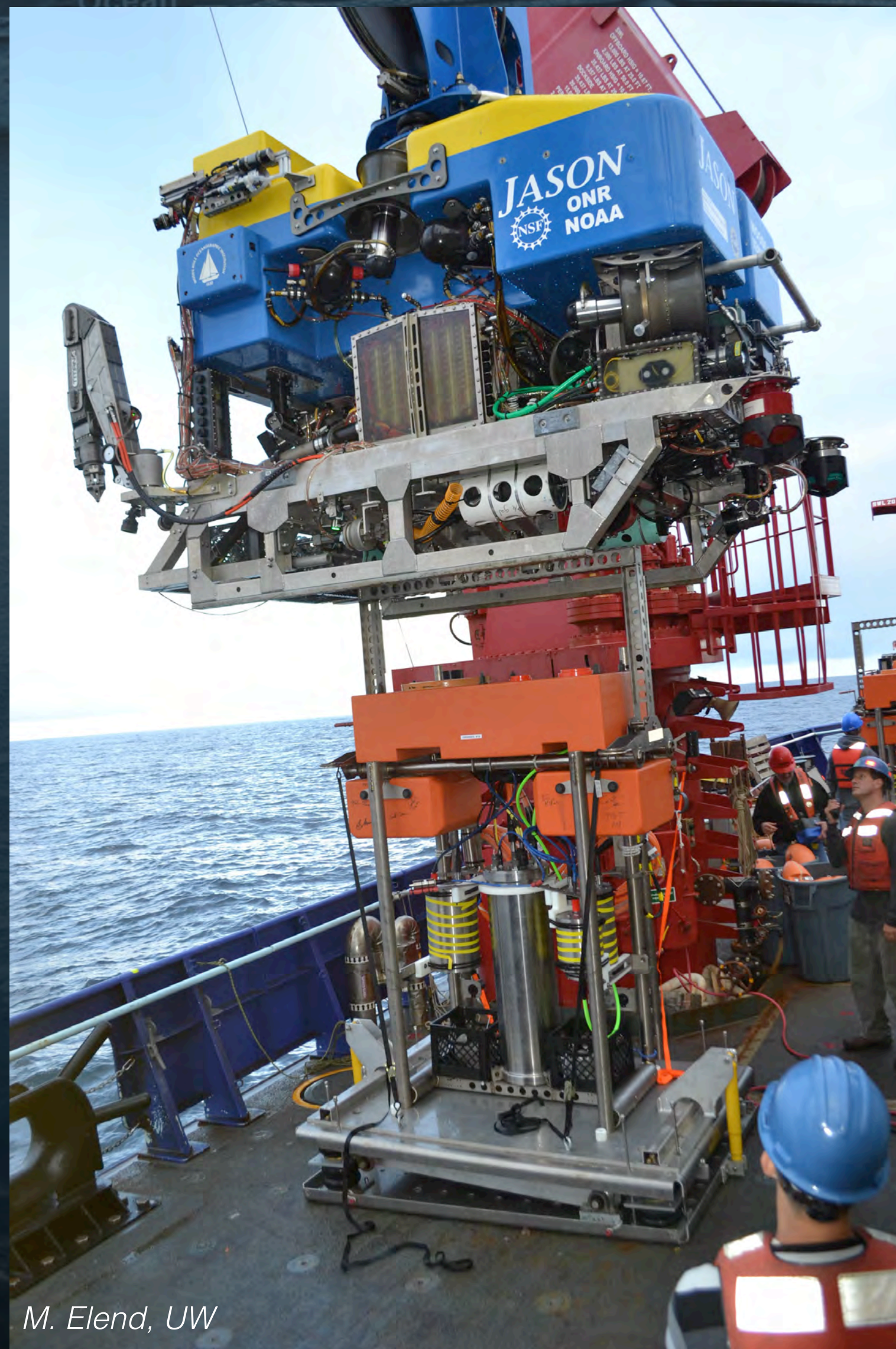


VISIONS'16 3 Legs



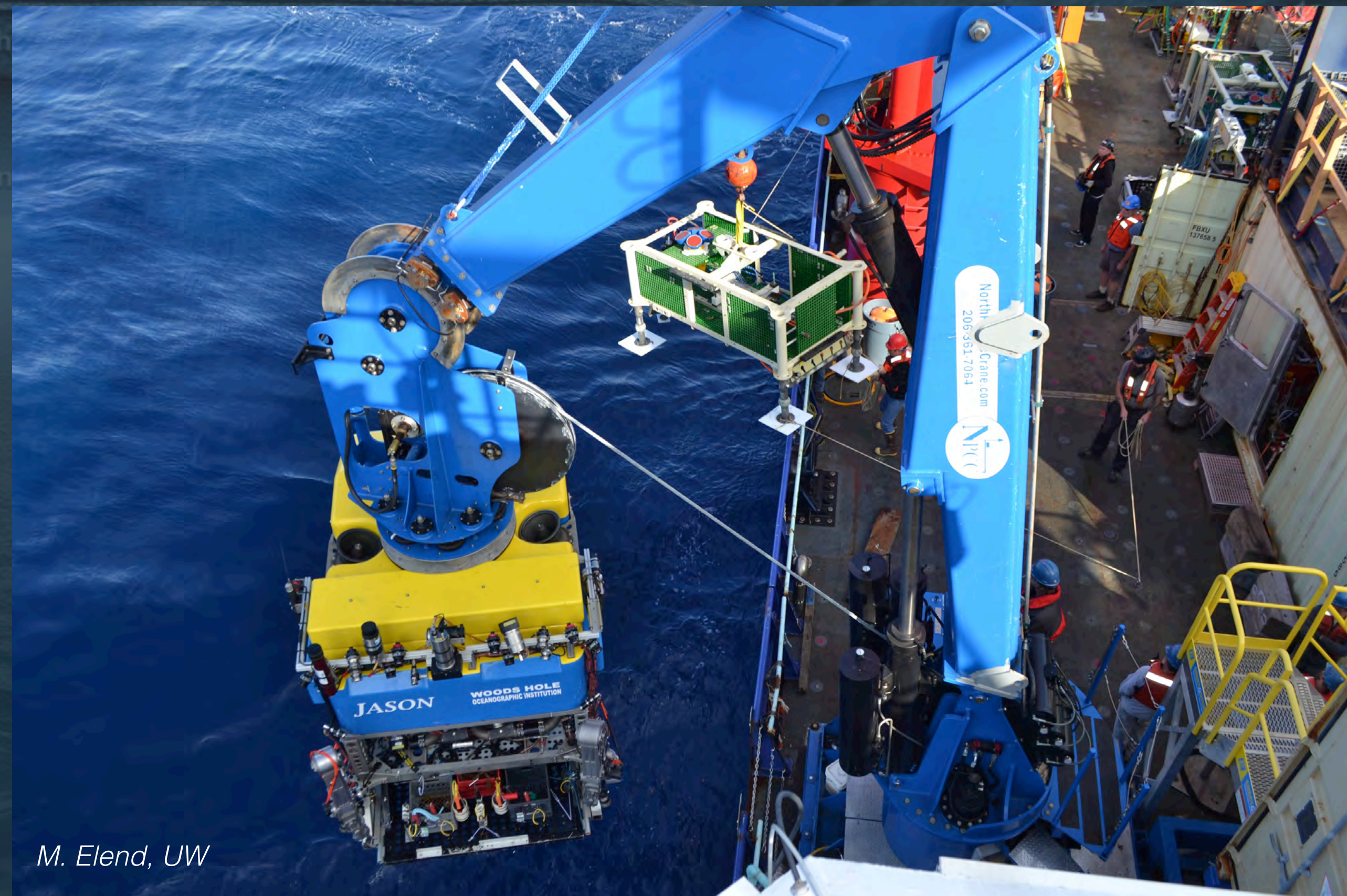
New ship, new vehicle, new Captain, 12 Cabled Array team members down from normal for 24 hr ops.

- ▶ During ~25 work days at sea, Jason completed 39 dives
- ▶ Turned 7 junction boxes
- ▶ Turned 6 science pods on Shallow Profiler Moorings
- ▶ Recovered and reinstalled two Deep Profiler moorings (up to 2700 m in height)
- ▶ Recovered another 2500 m tall Deep Profiler mooring
- ▶ 90% Operational (Deep Profilers)



M. Elend, UW

Numerous Special Requirements:
Launch pad developed for ease in
connection



M. Elend, UW

- ▶ All objectives achieved even with cramped deck, very successful cruise
- ▶ Fast turn arounds- Matt and team worked very hard, tried 12 on/off
- ▶ Issues with stbd manipulator, RAPP winch, hydraulic leak – fixed by/on Leg 2
- ▶ Camera interface difficult, resulting in loss of quality of images
- ▶ Suggest having larger monitor for science with all required information in one place (X,Y,Z, heading ...), easily readable, insure all monitors working