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

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

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

New ship, new vehicle, new Captain, 12 Cabled Array team members down from normal for 24 hr ops.
Numerous Special Requirements:
Launch pad developed for ease in connection

- 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

M. Elend, UW