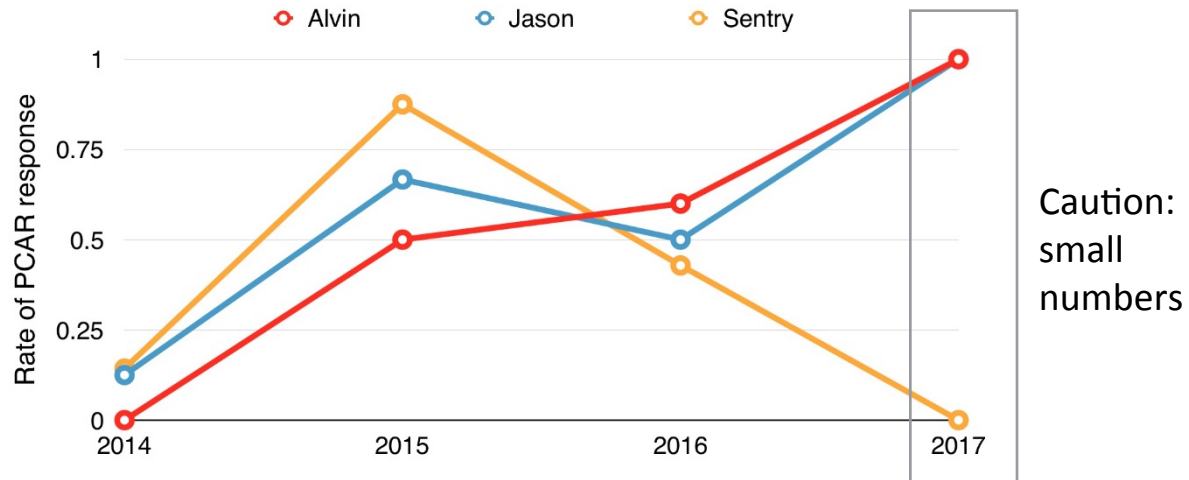


# Review of debrief process

- Post-cruise verbal debrief is excellent and made infinitely simpler by UNOLS scheduling the calls.
- The PCARs are seeing greater adoption by users, but content could be improved.
- Can the debrief reporting and response at DeSSC meetings be improved?



# PCAR suggestions

- Ensuring that users fill out PCARs for multiple vehicles (if they are using Alvin/Sentry or Jason/Sentry).
- Gain greater fidelity from the numerical (1-10) ratings.

	Alvin			Jason			Sentry		
	min	mean	max	min	mean	max	min	mean	max
<b>Objectives Met</b>	7	8.9	10	6	9.1	10	5	8.4	10
<b>Pre-cruise</b>	8	9.7	10	9	9.7	10	7	9.5	10
<b>Science Party</b>	8	9.7	10	9	9.8	10	8	9.2	10
<b>Vehicle Equipment</b>	8	9.3	10	7	9.0	10	6	8.5	10
<b>Safety</b>	10	10.0	10	8	9.8	10	8	9.7	10
<b>Expedition Leader</b>	9	9.9	10	8	9.8	10	9	9.9	10
<b>Ship</b>	9	9.9	10	5	9.1	10	2	8.8	10
<b>Data Transfer</b>	9	9.7	10	8	9.6	10	8	9.5	10
<b>n ≥ 78:</b>	<b>3 of 7</b>			<b>4 of 9</b>			<b>4 of 11</b>		

## PCAR suggestions

- Ensuring that users fill out PCARs for multiple vehicles (if they are using Alvin/Sentry or Jason/Sentry).
- Gain greater fidelity from the numerical (1-10) ratings.
- Create more distinction between the vessel PCARs.
- Greater granularity about respondents, vehicles, operations.
- Reduce 'comments section' to limit overlap with debrief phone call.
- Replace questions that have not provided useful input (e.g., 'science party', 'safety') with others (e.g., outreach programs).

*\*Most of these suggestions would place a significant burden on UNOLS.*

# PCAR via an external form manager?

NDSF Post Cruise Assessment

1. What was your role on the cruise?

Chief Scientist

Project PI (not chief scientist)

Science Participant

Technical Support

Other (please specify)

2. Which NDSF vehicles were used on this cruise?

Alvin

Jason

Sentry

3. Deep Submergence Experience

First-time NDSF user

Experienced NDSF user

Experienced Deep Submergence Scientist

4. NDSF experience

3 or fewer cruises

3 to 10 cruises

More than 10 cruises

5. List the non-NDSF vehicles that you have used

6. Please rate the pre-cruise planning process

## Debrief summary & response

We have tried multiple formats to improve the debrief summary and response in order to high-grade the most important (e.g., recurring) issues while making the process efficient and demonstrating the collaborative DeSSC/NDSF relationship.

- FoVs summarize debriefs followed by NDSF responses (*serial method*).
- FoV and NDSF up at the same time summarizing debriefs and responding (*parallel method*).
- FoVs summarize debriefs, NDSF responses folded into vehicle updates (*potentially removes some redundancy*).
- Other ideas?