

Jason debrief summaries - 2009

PI	Date	Ship	Area
Atkins	Dec 2008- Jan 2009	Thompson	Southern ocean
Chadwick	Apr 2009	Thompson	Mariana arc
Resing	May 2009	Thompson	N Lau Basin
Fisher / Podowski	May-June 2009	Thompson	Lau Basin
Reysenbach / Tivey	Jul-Aug 2009	Thompson	Lau Basin
Fisher / Cordes	Aug-Sep 2009	Ron Brown	Gulf of Mexico
Staudigel	Oct 2009	Kilo Moana	Loihi

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1) Appreciated improvements:

- New control vans & increased vehicle payload
- Two Kraft arms & excellent vehicle reliability
- Prototype HD video camera & frame-grabber
- Virtual Van now available as stand-alone DVD
- More flexibility with dive schedules & turn-around times
- Better communication & cooperation

2) Software issues:

- Better training for renav & mosaicing software?
- Multibeam sonar processed by mbsystem?

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3) Is it possible to expand the weather window for launch & recovery?

- Weather limitations exclude half of the ocean at least half of the time & operations in marginal conditions are less safe

4) HD Video

- Improved control system & pan-and-tilt for HD video camera (known issue being addressed)
- What is the best HD format(s) that balance high quality with accessibility for science?
- Maybe best to have option of multiple formats, including compressed recording to hard disk

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5) Navigation

- USBL tested but some problems with drift & positions dependent on ship's heading
- Future need: processing of non-LBL navigation

6) Issues for community feedback

- Do we still need a digital still camera (DSC) with HD camera frame grabs?
- Would it be better to have a DSC mounted in the basket for close-up imagery?
- Do we really need 3 cameras recorded to DVD?
- Is there a preferred HD video format 4 science?