

Jason de-brief summaries - 05/07

- Maurice Tivey: 21-Jul to 01-Sep-2006
R/V Melville; Manus Basin
- Chuck Fisher: 05-Sep to 02-Oct-2006
R/V Melville; Lau Basin
- Katrina Edwards: 24-Oct to 12-Nov-2006
R/V Melville; Loihi
- Emily Klein: 24-Mar to 27-Apr-2007
R/V Atlantis; EPR 9-10°N

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1) Navigation (LBL)

- Good: “First cruise nav was not an issue”
- No problems. “Nav not a big priority”
- Good: “Most problem-free cruise for nav I’ve been on”
- New system tested but didn’t work. Used Alvin nav to calibrate XP and track elevators

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2) Video Imaging

- Not that good, but “not a big priority”
(3-chip monitor problematic)
- New 3-chip monitor “really helped”.
Generally good. Did manual iris-control.
- Generally good.
- 3-chip a little dark, but generally good. Pilot
cams often out of focus (autofocus)?

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3) Digital Still Imaging

- “Not a priority”
- A priority, so mounted DSC on front corner of basket. Got very good results.
- Good. Also did down-looking mosaics (software not user-friendly enough?)
- DSC images dark, need more light. (Pan & tilt has both DSC & 3-chip now).

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4) Audio Recording

Done

5) Suction Sampling

Done

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6) Virtual Van/Event Logging

- Complaint: don't get on CD or DVD. Have to be on network to use it.
- (no comments)
- (no comments)
- Shut down before got to port. Should be stand-alone program.

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7) Payload

- No problems, but wondered if 3-chip camera was worth the “weight-penalty”.
- Others: No problems.

8) Medea Maneuverability

- (no comments)

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9) Control Van Layout/Ergonomics

- Nice to have Fledermaus (nav over bathy).
Watch leader->logger audio.
- Generally happy with layout. Liked Fledermaus.
- Loggers are too isolated. Loggers to right?
Spectators in back? Headsets?
- Liked Fledmermaus. Watch Leader too far from logger.

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10) Overall / other issues

- Great. 30 dives, 100 water samples, 380 hard samples (without elevator).
- Great. Most dives 30-48 hours long.
- Very impressed with “can-do” attitude (contrast to experience with Alvin).
- Fantastic. Add realtime display of SM2000? Kraft arm too fragile?

NDSF Vehicle Debrief Interviews

DESSC
May 2007

Jason Proposed Corrective Action

- We used USBL on the Borowski cruise
- Rented 600W strobes for testing improved lighting on Fisher
- All lights and cameras went out for repair this maintenance period
- Manipulators: grip vs. speed tradeoffs
- VV will be left up and running during transits until the end of the cruise
- SM2K processing improvements

