

Winch / frame working group

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The issues:

- Legacy data
- towed, frame lowered,
- Ship shadow requirements
 - Es sensor
 - description of entire package, photo, location of deplo.
 - ship heading, sun data

Categories:

- Research (few or no corrections applied, tilt or Es data absent)
- Semi-quantitative (some corrections applied)
- Quantitative (cal-val validation usable, all corrections applied)
- State-of-the-Art (vicarious calibration level)

Corrections are:

- Instrument / package self-shading / perturbation (requires IOP or chl data)
- Ship perturbation correction (includes shadow / reflection)

2-D tilt sensors (needed for semi-quantitative data) 5 degree tilt @ surface, larger tilts at depth (asymptotic radiance distribution) or under overcast skys.
Test this?

Legacy data sets: target selected

- CalCOFI
- BBOP
- HOT
- CARIACO?
- Harding Chesapeake stuff
- CoBOP data?

probably not worth it to recover tow-yo data

Mitigation:

- from the protocols (nearly impossible)
- position the sun, reduces to self-shading/perturbation
- still need custom code for each platform, integration into community code okay

Protocol revisions:

- Adding sensors to skinny packages