

VSF – writing team:

Lead: J Sullivan – coordination
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Task/approaches:

1. How to make a measurement – create.
2. Edit, update and improve introduction (polarization, history of VSF devices, how did we get here... b with diff methods- relation to VSF)
3. Turbidity cautionary discussion in Introduction (ACT)
4. Characterization/calibration - current instruments
 1. Update, discuss uncertainties
 2. HOBI included
 3. LISST, LISST-VSF
5. Estimating b_b – single vs multi-angle, x factors, pure water VSF, discuss spectral x or b_b/b , depol ratio.
6. Measurement uncertainty as tables/text (instrument specific)

7. Deployment protocols – best practice
8. Instrument dependent protocols - point to sources
9. Time constants for data streams
10. Data averaging discussion

Funding: IOCCG/NASA/NIST
IOOS (QARTOD)?

Funding for meeting (NASA committed to one meeting).

Technical writing.

Publication charges (open access).

Data/field analysis <-Outside scope.

Input from community.

Bio-Argo.

Priorities to reduce uncertainties:

1. Meta data (when was the instrument last calibrated).
2. Cautionary measurements.
3. Retrospective (?)
4. Reading previous protocols
5. Processing stream: raw (instrument output) data archiving + software used to process, smoothing etc'. Define levels of processing. Add ancilliary data.
6. 'Future proof' – make sure the data is usable in the future

Gap: community standardized code (?)

Pseudo code (algorithm, procedures)

Need to coordinate between leads.

NASA ROSES – editorial support.

QARTOD – interface : section within protocol
– flagging.

Timeline for protocol production:

Find funding (can we do it w/o funding) - Yes

By 3/2015 workshop/review existing protocols

By 6/2015 propose changes to protocol - IOCS

By 1/2016: assemble all section to new protocol – OCRT – funding (**fund: extra day, travel, breakout room etc'**).

By 3/2016: get new protocol reviewed by the community

By 6/2016: Submit to peer-review and to **living document**