Aquarius March Cal/Val Meeting
Overview and Objectives
Format

• Workshop format focusing on discussions
• Presenters should to limit material to 20 minutes
Topics

SST Dependency of Salinity Retrieval Error – Path for V4

Discussion topics and seed questions:

• Should the V3.4 SST correction be the baseline product for V4?
• Should there be a separate non-SST corrected product (old GMF)?
• Is there any evidence of spurious SST imprints in the V3.4 SSS?
• Should the correction be applied to only large spatial scales?
Topics

Errors and Uncertainties in the SSS Data

Discussion topics and seed questions:

• *What are the remaining tall poles in the salinity retrieval errors?*
• *What is the magnitude of the remaining inter-beam biases and what is needed to identify cause?*
• *Putting error bars at each Aquarius salinity retrieval*
Discussion topics and seed questions:

• What updates if any are needed to the end-to-end absolute calibration?
• Should a dedicated S/C maneuver be proposed to isolate APC cross-pol terms (e.g. point horns to nadir)?
• What methods should be evaluated to remove the long term drift?
Clean-up of L2 files

• What variables are in the L2 files currently?
• What variables can be eliminated for the L2 files?
• Is there anything missing that needs to be added?
• Wrap up discussion, actions and plan forward
  – Near-term and long terms plans
  – V4 baseline and beyond