MOBY ABSOLUTE CALIBRATION AND STABILITY TIME SERIES

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Summary :

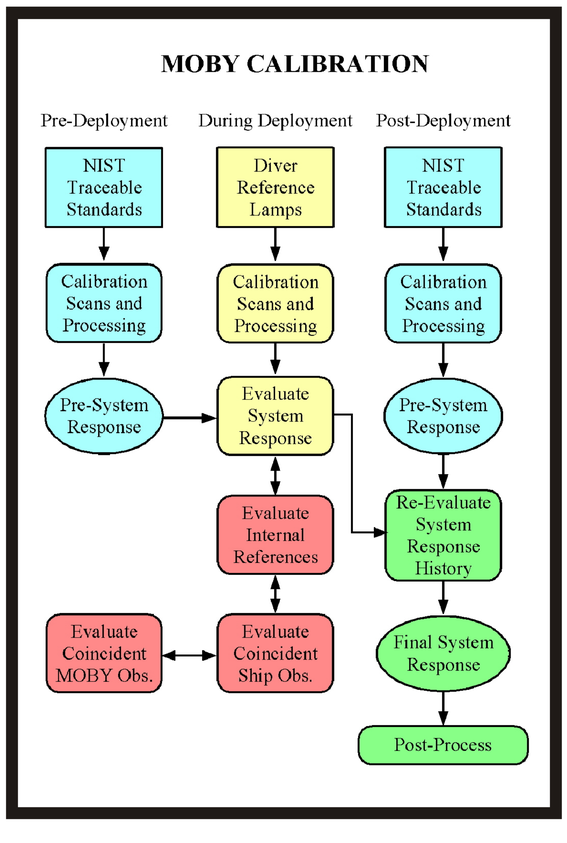
1.) Spectral radiances of MOBY calibration sources accurate to within +/- 3 % from 412 to 870 nm

2.) Internal Reference stability average ~ 1 %

3.) Diver References (relative to initialization) average: Lu +/- 2 %, Ed < 5 %

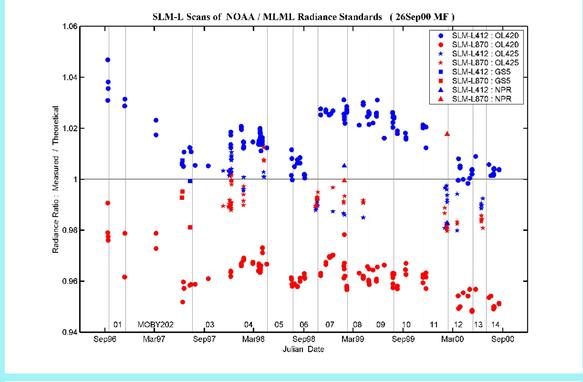
4.) System Response during deployment average stability: Lu ~ 2 %, Ed ~ 3 %

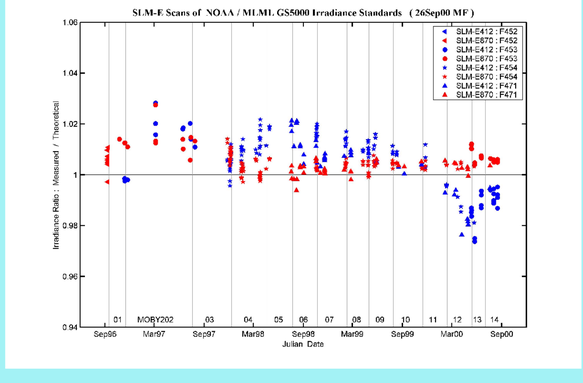
5.) Post Processing to include MOS stray-light correction and temperature correction (algorithms under development).



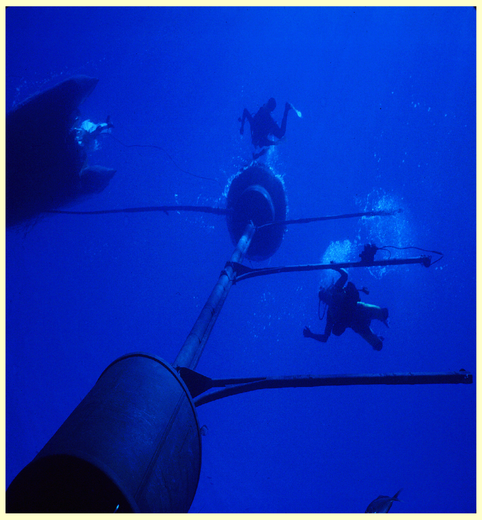
SLM : Standard Lamp Monitor

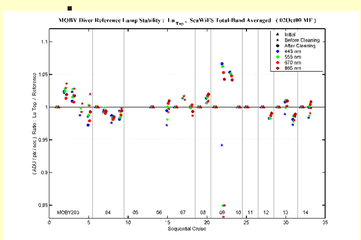
Verification of Standard Sources
2 Modes : Radiance and Irradiance
2 Channels : 412 nm and 870 nm
3 NIST Characterizations / Calibrations
3 NIST Intercomparisons in Hawaii

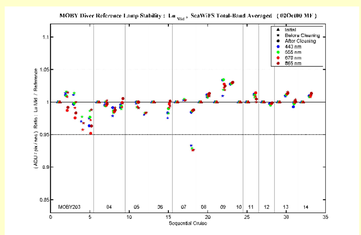


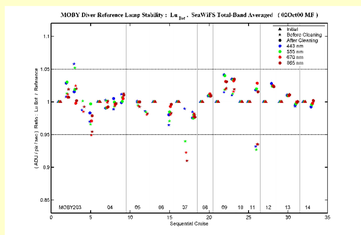


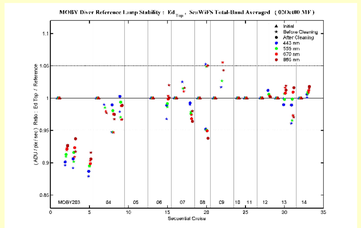
During Deployment : Diver Reference Lamp Scans and Process-

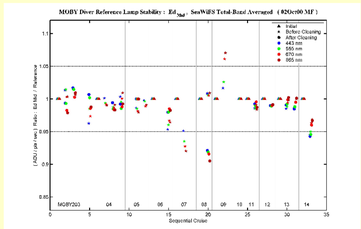


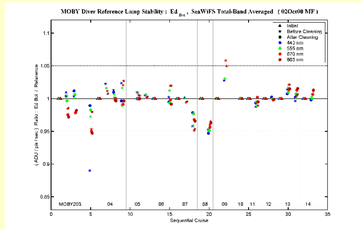




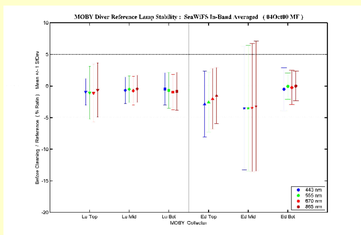


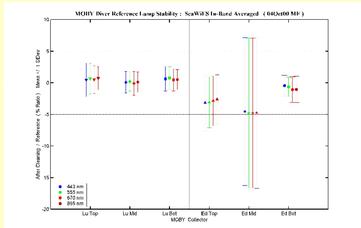




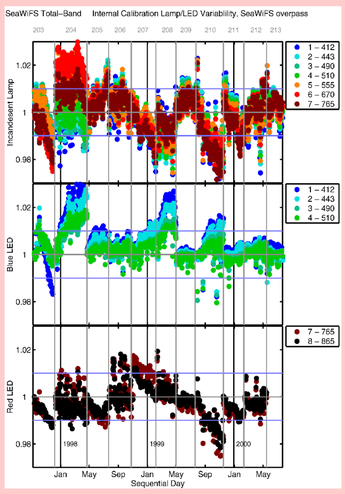


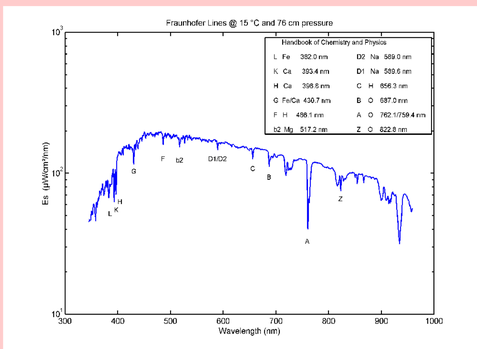
Mean & StDev

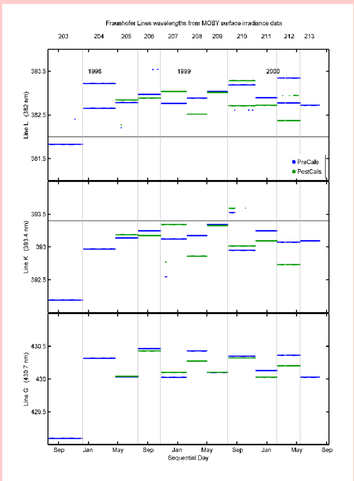


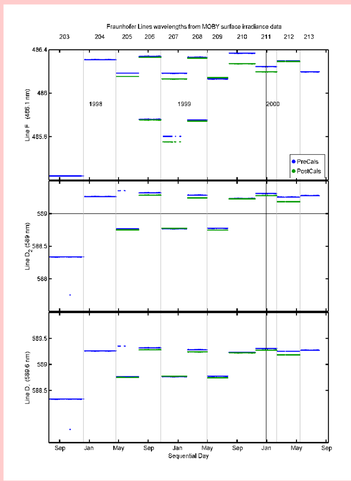


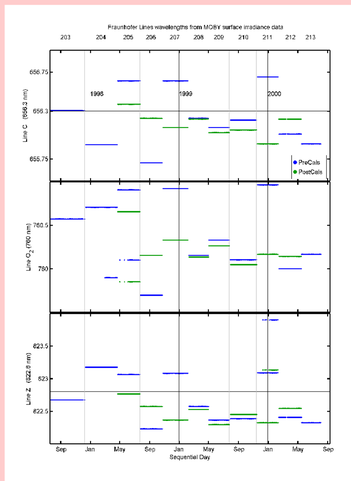
During Deployment : Evaluate Internal References (Incandescent, LEDs) & Fraunhofer



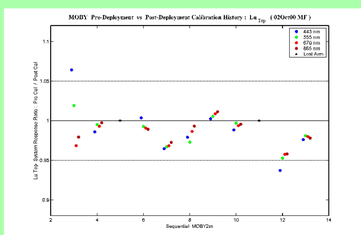


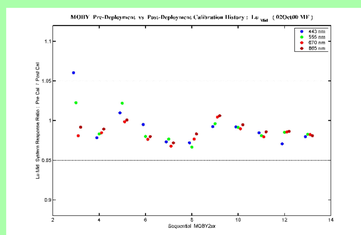


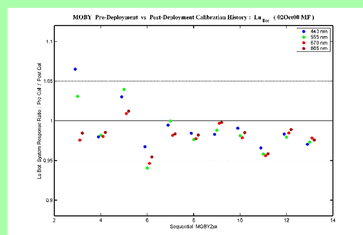


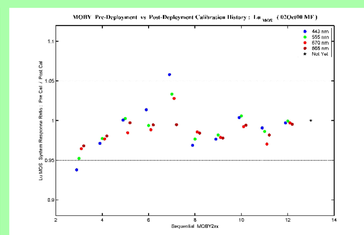


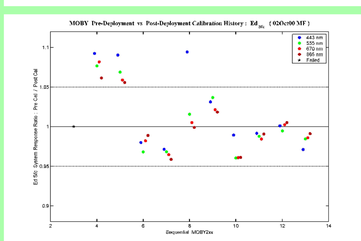
Post Deployment : Evaluate System Response History

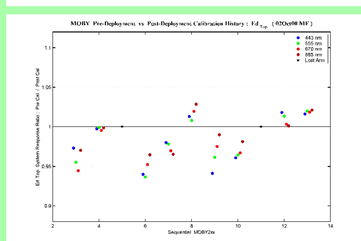


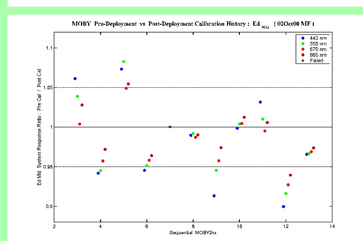


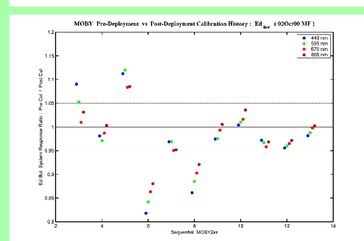












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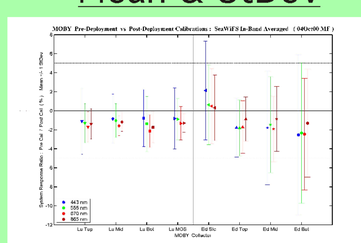

Acknowledgements

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