

Abstract Submitted  
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**An in situ Scattering Independent Absorption and Fluorescence Meter** JESSICA CASAS, Stephen F. Austin State University — Absorption and fluorescent spectroscopy has been a useful tool for the identification of various constituents in natural waters. We extend the design of an integrated cavity absorption meter proposed by Ed Fry at TAMU, to include a fluorometer. The meter is designed to operate in situ, continuously monitoring the absorption and fluorescence of natural waters independently of scattering. This instrument could greatly extend the potential data that could be made available to oceanographers. For instance, turbid environments including post hurricane conditions or hydrocarbon plumes, such as that associated with the Deepwater Horizon event, become accessible.

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