



SEA-BIRD
SCIENTIFIC

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Date: December 11, 2024
To: Users of Sea-Bird Scientific CDOM fluorometer sensors shipped between January 2021- July 2023
From: Sea-Bird Scientific
Subject: Out-of-tolerance UV LED

Notice

This notice is to inform users of Sea-Bird Scientific (SBS) CDOM sensors that instruments purchased or serviced with new optical heads between January 2021 – July 2023 may contain an out-of-tolerance UV LED. The CDOM data is irretrievable from CDOM fluorometers built with out-of-tolerance UV LEDs.

Context

Upon investigation, SBS determined it received product lots of 370 nm UV LEDs that contained some LEDs with out-of-tolerance spectral and power characteristics. Since July 2023, SBS screens all LEDs as part of our incoming inspection process.

Path forward

- **CDOM sensors purchased or serviced with a calibration date after July 2023 contain screened UV LEDs that meet all required specifications.**
- Since July 2023, all CDOM fluorometers that have been returned for service and/or calibration have been screened for this issue and affected customers have been contacted.
- If you have a CDOM sensor purchased or serviced with a new optical head between January 2021 – July 2023, please contact the SBS Tech Support Team (techsupport@seabird.com) to schedule a UV LED check or send it in for service and we will screen it for this issue.
- Instruments with out-of-tolerance UV LED will show a reduced raw signal output response in the field. Unfortunately, this response can not be corrected in historical data; however, once the out-of-tolerance UV LEDs are replaced, the instrument will meet all specifications and requirements.

If you have any questions, please contact techsupport@seabird.com. Please include the model(s) and serial numbers(s) of your CDOM fluorometers in the email.

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All the best,

Sea-Bird Scientific

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