



SAT-QR-95007 (v 1.0.9)

SATLANTIC

Verification Checklist

Submersible Ultraviolet Nitrate Analyzer (SUNA)

Serial Number: 598 TDP: _____ Firmware: 2.5.1 Software: 3.0.10
 Project Number: 2015-8007 Model: Standard ☒ Deep ☐
 Path Length: 10 mm ☒ 5 mm ☐
 Calibration: Freshwater ☐ Seawater ☒
 Options: Analog Out ☐ SDI-12 ☐
 USB ☒ Data Logging ☒
 APF Interface ☐ Scheduling ☒
 Power Relay ☐ Integrated Wiper ☒
 Glider Mounting ☐
 Accessories: Cables ☐ Flow Cell ☐
 Pump ☐ Foul Guard ☐
 Profiling Float Kit ☐ External Wiper ☐

Deep 
 Standard 

DS Calibration Freshwater ☐ Seawater ☒ Custom ☐ Date: 17/03/2015
 Pressure Test Rated to: 150 psig
 Performance Dark level: 651 (400-999) Std.-dev.: 9 (< 10)
 Ground fault free ☒ Light max.: 9218 (45-55,000) Power use: 7528 (< 7500 mW)
 Lamp temperature: 20.3 (< 35 C)
 Internal humidity: 0.0 (< 10%)
 Nitrate std.-dev.: 0.37 (< 2 µM)

	DIW	NW	NW+40 µM
Nitrate [µM]	<u>-0.95</u>	<u>7.38</u>	<u>45.00</u>

DS Calibration Check Calibration file name: SNA0598A Date: 20/03/2015
 Reference update was: not needed ☒ done ☐

	DIW	SW	NO ₃ STD
Nitrate [µM]	<u>0.22</u>	<u>0.70</u>	<u>38.63</u>
	0 ± 2 µM	0 ± 2 µM	40 ± 4 µM

	DIW	SW	NO ₃ STD
V [V]	/	/	/
I [mA]	/	/	/

(Not useable for analog calibration)

Configuration Analog Out: OK ☒ N/A ☒ SDI-12: OK ☒ N/A ☒
 USB: OK ☒ N/A ☒ Data Logging: OK ☒ N/A ☒
 Standard configuration ☒ APF Interface: OK ☒ N/A ☒ Scheduling: OK ☒ N/A ☒
 Clock synchronization ☒ Power Relay: OK ☒ N/A ☒ Integrated Wiper: OK ☒ N/A ☒
 Accessories Check Cables: OK ☒ N/A ☒ Flow Cell: Fit ☒ N/A ☒
 Pump: OK ☒ N/A ☒ Foul Guard: Fit ☒ N/A ☒
 Anode Installed: OK ☒ N/A ☒ External Wiper: Fit ☒ N/A ☒
 Finishing File system cleared ☒ N/A ☒ Custom configuration ☒ N/A ☒
 Summary report filed ☒ N/A ☒ Optical surfaces cleaned ☒
 Windows flush ☒

This final inspection and verification of the SUNA is performed after all other work is complete. The inspection is conducted and QA countersigned by qualified Satlantic technicians.

Quality Assurance: David AdanDate: March 123/2015