SAT-QR-95007 (v 1.0.9)

Verification Checklist

Submersible Ultraviolet Nitrate Analyzer (SUNA)

SATLANTIC

Serial Number: 648 ***TDP:*** _____ ***Firmware:*** 2.51 ***Software:*** 3.011

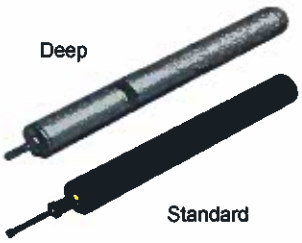
Project Number: 2015-8054 ***Model:*** Standard ☑ Deep ☐

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 ☐



DS Calibration Freshwater ☐ Seawater ☑ Custom ☐ Date: 22 / 06 / 2015

GM Pressure Test Rated to: 150 psig

DS/RB Performance Ground fault free ☑ Dark level: 623 (400-999) Light max.: 50921 (45-55,000) Std.-dev.: 9 (< 10) Power use: 6766 (< 7500 mW) Lamp temperature: 31.1 (< 35 C) Internal humidity: 1.4 (< 10%) Nitrate std.-dev.: 0.33 (< 2 µM)

	DIW	NW	NW+40 µM
Nitrate [µM]	3.87	4.97	44.57

DS Calibration Check Calibration file name SNA0648B Date: 25 / 06 / 2015

Reference update was: not needed ☐ done ☑

	DIW	SW	NO_3 STD
Nitrate [µM]	0.24	-0.38	41.28
	0 ± 2 µM	0 ± 2 µM	40 ± 4 µM

	DIW	SW	NO_3 STD
V [V]	/	/	/
I [mA]	/		

(Not useable for analog calibration)

JF Configuration

Standard configuration ☑ Clock synchronization ☐

Analog Out: OK ☐ N/A ☑ USB: OK ☑ N/A ☐ APF Interface: OK ☐ N/A ☑ Power Relay: OK ☐ N/A ☑

SDI-12: OK ☐ N/A ☑ Data Logging: OK ☑ N/A ☐ Scheduling: OK ☑ N/A ☐ Integrated Wiper: OK ☑ N/A ☐

JF Accessories Check

Cables: OK ☑ N/A ☐ Pump: OK ☐ N/A ☑ Anode Installed: OK ☑ N/A ☐

Flow Cell: Fit ☐ N/A ☑ Foul Guard: Fit ☐ N/A ☑ External Wiper: Fit ☐ N/A ☑

JP Finishing

File system cleared ☑ N/A ☐ Summary report filed ☑

Custom configuration ☐ 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: _____ **Date:** June 26 / 2015