



SEA-BIRD
SCIENTIFIC

SUNA V2

Owner:	NOAA-WESTERN ACQUISITION DIVISION
Serial Number:	2182
Job Number:	1005522495
Technician Initials:	BH
Calibration File:	SNA2182Q
Calibration Date:	18/2025

SUNA V2 Performance Verification

	Before Calibration	After Calibration	Spec Range
Dark Level	756	757	400 - 999
Light Max	65535	48052	45,000 - 55,000
Std. Deviation	9	10	< 10
Power Use	6855 mW	7199 mW	< 7500 mW
Lamp Temp	21.5 °C	23 °C	< 35 °C
Humidity	11.1 %	2.9 %	< 10 %
Nitrate Std. Dev	N/A	N/A	< 2 µM

Calibration Nitrate Reading

	Reading	Saltwater Spec. Range	Freshwater Spec. Range
DIW	0.52 µM	0 ± 2 µM	0 ± 2 µM
SW or LNO ₃ std	1.43 µM	0 ± 2 µM	40 ± 4 µM
NO ₃ or HNO ₃ std	40.73 µM	40 ± 4 µM	4000 ± 400 µM

Calibration Volt and Amp Readings

	Volts	Amps
DIW	0.36 V	4.8 mA
SW or LNO ₃ std	0.38 V	4.99 mA
NO ₃ or HNO ₃ std	1.88 V	11.01 mA