



SEA-BIRD
SCIENTIFIC

SUNA V2

Owner:	NOAA-WESTERN ACQUISITION DIVISION
Serial Number:	1999
Job Number:	1005519143W
Technician Initials:	BH
Calibration File:	SNA1999A
Calibration Date:	7/12/2024

SUNA V2 Performance Verification

	Before Calibration	After Calibration	Spec Range
Dark Level	692	699	400 - 999
Light Max	37309	46228	45,000 - 55,000
Std. Deviation	10	10	< 10
Power Use	7284 mW	7113 mW	< 7500 mW
Lamp Temp	21.6 °C	31 °C	< 35 °C
Humidity	1.7 %	3.9 %	< 10 %
Nitrate Std. Dev	N/A	N/A	< 2 µM

Calibration Nitrate Reading

	Reading	Saltwater Spec. Range	Freshwater Spec. Range
DIW	-0.39 µM	0 ± 2 µM	0 ± 2 µM
SW or LNO ₃ std	0.60 µM	0 ± 2 µM	40 ± 4 µM
NO ₃ or HNO ₃ std	40.67 µM	40 ± 4 µM	4000 ± 400 µM

Calibration Volt and Amp Readings

	Volts	Amps
DIW	0.37 V	4.61 mA
SW or LNO ₃ std	0.38 V	4.88 mA
NO ₃ or HNO ₃ std	1.92 V	10.93 mA