



# SUNA V2

Owner:	NOAA
Serial Number:	598
Job Number:	1005510010
Technician Initials:	KS
Calibration File:	SUNA0598F
Calibration Date:	3/4/2020

## SUNA V2 Performance Verification

	Before Calibration	After Calibration	Spec Range
Dark Level	N/A	719	400 - 999
Light Max	N/A	47233	45,000 - 55,000
Std. Deviation	N/A	9	< 10
Power Use	N/A mW	7380 mW	< 7500 mW
Lamp Temp	21.9 °C	25 °C	< 35 °C
Humidity	18.8 %	2.1 %	< 10 %
Nitrate Std. Dev	N/A	N/A	< 2 µM

## Calibration Nitrate Reading

	Reading	Saltwater Spec. Range	Freshwater Spec. Range
DIW	-1.68 µM	0 ± 2 µM	0 ± 2 µM
SW or LNO <sub>3</sub> std	0.10 µM	0 ± 2 µM	40 ± 4 µM
NO <sub>3</sub> or HNO <sub>3</sub> std	42.42 µM	40 ± 4 µM	4000 ± 400 µM

## Calibration Volt and Amp Readings

	Volts	Amps
DIW	0.26 V	4.46 mA
SW or LNO <sub>3</sub> std	0.33 V	4.7 mA
NO <sub>3</sub> or HNO <sub>3</sub> std	1.92 V	11.16 mA