

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0569

CALIBRATION DATE: 15-Oct-16

SBE 39 RTC CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999660e-001

rtca1 = 1.681875e-006

rtca2 = -3.657839e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
-1.5000	0.9999630	0.9999633	0.3
1.0000	0.9999680	0.9999676	-0.4
4.5000	0.9999730	0.9999728	-0.2
8.0000	0.9999770	0.9999771	0.1
11.5000	0.9999800	0.9999805	0.5
15.0000	0.9999830	0.9999830	-0.0
18.5000	0.9999850	0.9999845	-0.5
22.0000	0.9999850	0.9999853	0.3
25.5000	0.9999850	0.9999851	0.1
29.0000	0.9999840	0.9999840	-0.0
32.5000	0.9999820	0.9999820	-0.0

t = temperature (°C)

RTC frequency = $rtca0 + rtca1 * t + rtca2 * t^2$

Residual (PPM) = (Computed RTC frequency - Measured RTC frequency) * 1e6

