

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3769
CALIBRATION DATE: 07-Mar-15

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999760e-001

rtca1 = 1.786062e-006

rtca2 = -3.301592e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999780	0.9999777	-0.3
4.5000	0.9999830	0.9999833	0.3
15.0000	0.9999950	0.9999953	0.3
18.5000	0.9999980	0.9999977	-0.3
24.0000	1.0000000	0.9999998	-0.2
29.0000	1.0000000	1.0000000	-0.0
32.5000	0.9999990	0.9999991	0.1

$$\text{RTC frequency} = \text{rtca0} + \text{rtca1} * t + \text{rtca2} * t^2$$

$$\text{Residual} = (\text{Computed RTC frequency} - \text{Measured RTC frequency}) * 1e6$$

