

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3777
CALIBRATION DATE: 19-Apr-12

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999721e-001

rtca1 = 1.718995e-006

rtca2 = -2.889504e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0001	0.9999740	0.9999738	-0.2
4.5000	0.9999790	0.9999792	0.2
15.0000	0.9999910	0.9999913	0.3
18.5000	0.9999940	0.9999940	-0.0
24.0000	0.9999970	0.9999967	-0.3
29.0000	0.9999980	0.9999976	-0.4
32.5000	0.9999970	0.9999974	0.4

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

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

