

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3777
CALIBRATION DATE: 20-Aug-10

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999701e-001
rtca1 = 1.903507e-006
rtca2 = -3.322435e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999720	0.9999720	-0.0
4.5000	0.9999780	0.9999780	-0.0
15.0000	0.9999910	0.9999912	0.2
18.5000	0.9999940	0.9999939	-0.1
24.0000	0.9999970	0.9999967	-0.3
29.0000	0.9999970	0.9999974	0.4
32.5000	0.9999970	0.9999969	-0.1

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

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

Date, Delta F ppm

