

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2337
CALIBRATION DATE: 19-Aug-11

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999683e-001

rtca1 = 1.800410e-006

rtca2 = -3.116968e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999700	0.9999701	0.1
4.4999	0.9999760	0.9999758	-0.2
15.0000	0.9999880	0.9999883	0.3
18.5000	0.9999910	0.9999910	-0.0
24.0000	0.9999940	0.9999936	-0.4
29.0000	0.9999940	0.9999943	0.3
32.5000	0.9999940	0.9999939	-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

