

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3937
 CALIBRATION DATE: 12-Jun-09

SBE 37 RTC CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999874e-001
 rtca1 = 1.600593e-006
 rtca2 = -3.279729e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
0.9999	0.9999890	0.9999890	0.0
4.4999	0.9999940	0.9999940	-0.0
15.0001	1.0000040	1.0000041	0.1
18.5000	1.0000060	1.0000058	-0.2
24.0001	1.0000070	1.0000070	-0.0
29.0000	1.0000060	1.0000063	0.3
32.5000	1.0000050	1.0000048	-0.2

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

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

Date, Delta F ppm

