

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3937
CALIBRATION DATE: 14-Dec-07

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999877e-001

rtca1 = 1.484022e-006

rtca2 = -2.918027e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999890	0.9999891	0.1
4.4999	0.9999940	0.9999937	-0.3
15.0000	1.0000030	1.0000033	0.3
18.4999	1.0000050	1.0000051	0.1
24.0000	1.0000070	1.0000065	-0.5
28.9999	1.0000060	1.0000062	0.2
32.5000	1.0000050	1.0000051	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

