

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0409
CALIBRATION DATE: 06-Nov-08

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999753e-001

rtca1 = 1.806773e-006

rtca2 = -3.294354e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999770	0.9999770	0.0
4.4999	0.9999830	0.9999827	-0.3
15.0000	0.9999940	0.9999950	1.0
18.4999	0.9999980	0.9999974	-0.6
23.9999	1.0000000	0.9999997	-0.3
28.9999	1.0000000	1.0000000	-0.0
32.5001	0.9999990	0.9999992	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

