

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1247
CALIBRATION DATE: 02-Dec-10

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999658e-001

rtca1 = 1.889033e-006

rtca2 = -3.253107e-008

BATH TEMP (ITS-90)	RTC FREQO (Hz)	COMPUTED FREQO (Hz)	RESIDUAL (PPM)
0.9999	0.9999680	0.9999676	-0.4
4.4999	0.9999730	0.9999736	0.6
15.0000	0.9999870	0.9999868	-0.2
18.5000	0.9999900	0.9999896	-0.4
24.0000	0.9999920	0.9999924	0.4
29.0000	0.9999930	0.9999932	0.2
32.5000	0.9999930	0.9999928	-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

