

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0385
CALIBRATION DATE: 29-Oct-13

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999946e-001

rtca1 = 1.714083e-006

rtca2 = -3.248322e-008

BATH TEMP (ITS-90)	RTC FREO (Hz)	COMPUTED FREO (Hz)	RESIDUAL (PPM)
1.0000	0.9999960	0.9999963	0.3
4.5000	1.0000020	1.0000016	-0.4
15.0000	1.0000130	1.0000130	-0.0
18.5000	1.0000150	1.0000152	0.2
24.0000	1.0000170	1.0000170	0.0
29.0000	1.0000170	1.0000170	-0.0
32.5000	1.0000160	1.0000160	-0.0

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

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

Date, Delta F ppm

