

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0823

CALIBRATION DATE: 29-Sep-15

SBE 37 RTC CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999671e-001

rtca1 = 1.903512e-006

rtca2 = -3.322453e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999690	0.9999690	-0.0
4.5000	0.9999750	0.9999750	-0.0
15.0000	0.9999880	0.9999882	0.2
18.4999	0.9999910	0.9999909	-0.1
24.0000	0.9999940	0.9999937	-0.3
29.0000	0.9999940	0.9999944	0.4
32.4999	0.9999940	0.9999939	-0.1

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

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

