

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1860
CALIBRATION DATE: 05-Mar-15

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999984e-001

rtca1 = 1.773924e-006

rtca2 = -3.427622e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	1.0000000	1.0000002	0.2
4.5000	1.0000060	1.0000057	-0.3
15.0000	1.0000170	1.0000173	0.3
18.5000	1.0000200	1.0000195	-0.5
24.0000	1.0000210	1.0000213	0.3
29.0000	1.0000210	1.0000211	0.1
32.5000	1.0000200	1.0000199	-0.1

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

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

