

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 4590
CALIBRATION DATE: 20-Apr-12

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999882e-001

rtca1 = 1.523152e-006

rtca2 = -3.104565e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999900	0.9999897	-0.3
4.5000	0.9999940	0.9999944	0.4
15.0000	1.0000040	1.0000041	0.1
18.5000	1.0000060	1.0000058	-0.2
24.0000	1.0000070	1.0000069	-0.1
29.0000	1.0000060	1.0000063	0.3
32.5000	1.0000050	1.0000049	-0.1

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

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

Date, Delta F ppm

