

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 4303
CALIBRATION DATE: 08-Dec-12

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999883e-001

rtca1 = 1.636625e-006

rtca2 = -3.073120e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999900	0.9999899	-0.1
4.5000	0.9999950	0.9999951	0.1
14.9999	1.0000060	1.0000060	-0.0
18.5001	1.0000080	1.0000081	0.1
24.0000	1.0000100	1.0000099	-0.1
29.0000	1.0000100	1.0000100	-0.0
32.5000	1.0000090	1.0000091	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

