

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1853

CALIBRATION DATE: 29-Sep-16

SBE 37 RTC CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999851e-001

rtca1 = 1.739707e-006

rtca2 = -3.278559e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
0.9999	0.9999870	0.9999868	-0.2
4.5000	0.9999920	0.9999923	0.3
15.0000	1.0000040	1.0000038	-0.2
18.4999	1.0000060	1.0000061	0.1
23.9999	1.0000080	1.0000080	-0.0
29.0000	1.0000080	1.0000080	-0.0
32.5000	1.0000070	1.0000070	0.0

t = temperature (°C)

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

$Residual\ (PPM) = (Computed\ RTC\ frequency - Measured\ RTC\ frequency) * 1e6$

