

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0580
CALIBRATION DATE: 25-Nov-15

SBE 39 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999740e-001

rtca1 = 1.679264e-006

rtca2 = -3.761715e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
-1.5000	0.9999710	0.9999714	0.4
1.0000	0.9999760	0.9999756	-0.4
4.5000	0.9999810	0.9999808	-0.2
8.0000	0.9999850	0.9999850	0.0
11.5000	0.9999880	0.9999883	0.3
15.0000	0.9999910	0.9999907	-0.3
18.5000	0.9999920	0.9999922	0.2
22.0000	0.9999930	0.9999927	-0.3
25.5000	0.9999920	0.9999924	0.4
29.0000	0.9999910	0.9999911	0.1
32.5000	0.9999890	0.9999888	-0.2

t = temperature (°C)

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

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

