

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0813
CALIBRATION DATE: 25-Nov-15

SBE 39 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999835e-001

rtca1 = 1.589407e-006

rtca2 = -3.439710e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
-1.5000	0.9999810	0.9999810	-0.0
1.0000	0.9999850	0.9999850	0.0
4.5000	0.9999900	0.9999899	-0.1
8.0000	0.9999940	0.9999940	-0.0
11.5000	0.9999970	0.9999972	0.2
15.0000	0.9996070	0.9999996	392.6
18.5000	1.0000010	1.0000011	0.1
22.0000	1.0000020	1.0000018	-0.2
25.5000	1.0000020	1.0000016	-0.4
29.0000	1.0000000	1.0000006	0.6
32.5000	0.9999990	0.9999988	-0.2

t = temperature (°C)

RTC frequency = rtca0 + rtca1 * t + rtca2 * t²

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

