

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0581
CALIBRATION DATE: 25-Nov-15

SBE 39 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999704e-001
rtca1 = 1.529008e-006
rtca2 = -3.414309e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
-1.5000	0.9999680	0.9999680	0.0
1.0000	0.9999720	0.9999719	-0.1
4.5000	0.9999770	0.9999766	-0.4
8.0000	0.9999800	0.9999805	0.5
11.5000	0.9999830	0.9999835	0.5
15.0000	0.9999860	0.9999857	-0.3
18.5000	0.9999870	0.9999870	0.0
22.0000	0.9999880	0.9999875	-0.5
25.5000	0.9999870	0.9999872	0.2
29.0000	0.9999860	0.9999860	0.0
32.5000	0.9999840	0.9999840	0.0

t = temperature (°C)

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

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

