

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0568

CALIBRATION DATE: 05-Oct-16

SBE 39 RTC CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999754e-001

rtca1 = 1.626801e-006

rtca2 = -3.519000e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
-1.5000	0.9999730	0.9999729	-0.1
1.0000	0.9999770	0.9999770	-0.0
4.5000	0.9999820	0.9999820	0.0
8.0000	0.9999860	0.9999862	0.2
11.5000	0.9999890	0.9999894	0.4
14.9999	0.9999920	0.9999919	-0.1
18.5000	0.9999940	0.9999934	-0.6
22.0000	0.9999940	0.9999942	0.2
25.5000	0.9999940	0.9999940	-0.0
29.0000	0.9999930	0.9999930	-0.0
32.5000	0.9999910	0.9999911	0.1

t = temperature (°C)

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

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

