

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0814

CALIBRATION DATE: 04-Mar-15

SBE 39 RTC CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999990e-001

rtca1 = 1.526333e-006

rtca2 = -3.568707e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
-1.5000	0.9999970	0.9999966	-0.4
0.9999	1.0000000	1.0000005	0.5
4.5000	1.0000050	1.0000051	0.1
8.0000	1.0000090	1.0000089	-0.1
11.4999	1.0000120	1.0000118	-0.2
15.0000	1.0000140	1.0000139	-0.1
18.5000	1.0000150	1.0000150	0.0
22.0000	1.0000150	1.0000153	0.3
25.4999	1.0000150	1.0000147	-0.3
29.0000	1.0000130	1.0000132	0.2
32.4999	1.0000110	1.0000109	-0.1

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

$$\text{Residual} = (\text{Computed RTC frequency} - \text{Measured RTC frequency}) * 1e6$$

