

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0990
CALIBRATION DATE: 21-Jan-11

SBE 39 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999989e-001

rtca1 = 1.565354e-006

rtca2 = -3.376755e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
-1.5000	0.9999970	0.9999965	-0.5
1.0000	1.0000000	1.0000004	0.4
4.4999	1.0000050	1.0000053	0.3
7.9999	1.0000090	1.0000093	0.3
11.5000	1.0000130	1.0000125	-0.5
15.0000	1.0000150	1.0000148	-0.2
18.5000	1.0000160	1.0000163	0.3
21.9999	1.0000170	1.0000170	0.0
25.5000	1.0000170	1.0000169	-0.1
29.0000	1.0000160	1.0000159	-0.1
32.4999	1.0000140	1.0000141	0.1

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

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

Date, Delta F ppm

