

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0806
CALIBRATION DATE: 16-Dec-10

SBE 39 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999883e-001

rtca1 = 1.547826e-006

rtca2 = -3.559670e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
-1.5000	0.9999860	0.9999859	-0.1
1.0000	0.9999900	0.9999898	-0.2
8.0000	0.9999980	0.9999984	0.4
11.5000	1.0000010	1.0000014	0.4
15.0000	1.0000040	1.0000035	-0.5
18.5000	1.0000050	1.0000048	-0.2
22.0000	1.0000050	1.0000051	0.1
25.5000	1.0000050	1.0000046	-0.4
29.0000	1.0000030	1.0000033	0.3
32.5000	1.0000010	1.0000010	0.0

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

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

Date, Delta F ppm

