

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1251
CALIBRATION DATE: 02-Dec-10

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999902e-001

rtca1 = 1.502300e-006

rtca2 = -2.461521e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
0.9999	0.9999920	0.9999917	-0.3
4.4999	0.9999960	0.9999965	0.5
15.0000	1.0000070	1.0000072	0.2
18.5000	1.0000100	1.0000096	-0.4
24.0000	1.0000120	1.0000121	0.1
29.0000	1.0000130	1.0000131	0.1
32.5000	1.0000130	1.0000130	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

