

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3318
CALIBRATION DATE: 31-Dec-08

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999732e-001

rtca1 = 1.686132e-006

rtca2 = -3.022746e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999750	0.9999749	-0.1
4.5000	0.9999800	0.9999802	0.2
15.0000	0.9999920	0.9999917	-0.3
18.5000	0.9999940	0.9999941	0.1
23.9999	0.9999960	0.9999963	0.3
29.0000	0.9999970	0.9999967	-0.3
32.5000	0.9999960	0.9999961	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

