

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1678
CALIBRATION DATE: 21-Dec-10

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999609e-001

rtca1 = 1.772568e-006

rtca2 = -3.145311e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999630	0.9999627	-0.3
4.5000	0.9999680	0.9999683	0.3
15.0000	0.9999800	0.9999805	0.5
18.5000	0.9999830	0.9999830	-0.0
23.9999	0.9999860	0.9999854	-0.6
29.0000	0.9999860	0.9999859	-0.1
32.5000	0.9999850	0.9999853	0.3

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

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

Date, Delta F ppm

