

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0416
CALIBRATION DATE: 08-Dec-10

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999671e-001

rtca1 = 1.722956e-006

rtca2 = -2.941768e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999690	0.9999688	-0.2
4.5000	0.9999740	0.9999742	0.2
15.0000	0.9999860	0.9999863	0.3
18.5000	0.9999890	0.9999889	-0.1
24.0000	0.9999920	0.9999915	-0.5
29.0001	0.9999920	0.9999923	0.3
32.5000	0.9999920	0.9999920	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

