

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0416

CALIBRATION DATE: 15-Apr-09

SBE 37 RTC CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999675e-001

rtca1 = 1.697314e-006

rtca2 = -2.911493e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999690	0.9999692	0.2
4.4999	0.9999750	0.9999746	-0.4
15.0000	0.9999860	0.9999865	0.5
18.5001	0.9999890	0.9999890	-0.0
24.0000	0.9999920	0.9999915	-0.5
28.9999	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

