

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0477
CALIBRATION DATE: 17-Nov-06

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999652e-001

rtca1 = 1.849928e-006

rtca2 = -3.066619e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999670	0.9999670	0.0
4.5000	0.9999730	0.9999729	-0.1
14.9999	0.9999860	0.9999861	0.1
18.5000	0.9999890	0.9999890	-0.0
24.0000	0.9999920	0.9999920	-0.0
29.0000	0.9999930	0.9999931	0.1
32.5000	0.9999930	0.9999930	-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

