

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1805
CALIBRATION DATE: 16-Dec-10

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999729e-001

rtca1 = 1.839529e-006

rtca2 = -3.303480e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
0.9999	0.9999750	0.9999747	-0.3
4.5000	0.9999800	0.9999805	0.5
15.0000	0.9999930	0.9999930	0.0
18.5000	0.9999960	0.9999956	-0.4
24.0000	0.9999980	0.9999980	-0.0
28.9999	0.9999980	0.9999984	0.4
32.5000	0.9999980	0.9999978	-0.2

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

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

Date, Delta F ppm

