

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0661
CALIBRATION DATE: 02-Jul-10

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999852e-001

rtca1 = 1.508845e-006

rtca2 = -2.822602e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999870	0.9999867	-0.3
4.5000	0.9999910	0.9999914	0.4
15.0000	1.0000020	1.0000015	-0.5
18.5000	1.0000030	1.0000035	0.5
24.0000	1.0000050	1.0000052	0.2
29.0000	1.0000060	1.0000052	-0.8
32.5000	1.0000040	1.0000044	0.4

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

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

Date, Delta F ppm

