

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0473
CALIBRATION DATE: 07-Jul-10

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999690e-001

rtca1 = 1.942667e-006

rtca2 = -3.042360e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
0.9999	0.9999710	0.9999710	-0.0
4.5000	0.9999770	0.9999772	0.2
15.0000	0.9999920	0.9999913	-0.7
18.5000	0.9999940	0.9999946	0.6
24.0000	0.9999980	0.9999981	0.1
29.0000	1.0000000	0.9999998	-0.2
32.5000	1.0000000	1.0000000	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

