

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 4920
CALIBRATION DATE: 04-Mar-09

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999756e-001

rtca1 = 1.700570e-006

rtca2 = -3.091998e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
0.9999	0.9999770	0.9999772	0.2
4.4999	0.9999830	0.9999826	-0.4
15.0000	0.9999940	0.9999941	0.1
18.5000	0.9999960	0.9999964	0.4
24.0000	0.9999990	0.9999986	-0.4
29.0000	0.9999990	0.9999989	-0.1
32.5001	0.9999980	0.9999982	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

