

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2357
CALIBRATION DATE: 19-Aug-11

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999962e-001

rtca1 = 1.696462e-006

rtca2 = -3.252412e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999980	0.9999979	-0.1
4.4999	1.0000030	1.0000032	0.2
15.0000	1.0000140	1.0000143	0.3
18.5000	1.0000170	1.0000164	-0.6
24.0000	1.0000180	1.0000182	0.2
29.0000	1.0000180	1.0000180	0.0
32.5000	1.0000170	1.0000170	-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

