

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2336
CALIBRATION DATE: 21-Jan-11

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 1.000005e+000

rtca1 = 1.560614e-006

rtca2 = -3.434107e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
0.9999	1.0000060	1.0000061	0.1
4.5000	1.0000110	1.0000109	-0.1
14.9999	1.0000200	1.0000202	0.2
18.5000	1.0000220	1.0000217	-0.3
23.9999	1.0000220	1.0000222	0.2
28.9999	1.0000210	1.0000209	-0.1
32.5001	1.0000190	1.0000190	-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

