

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2341
CALIBRATION DATE: 21-Jan-11

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999825e-001

rtca1 = 1.573510e-006

rtca2 = -2.713275e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
0.9999	0.9999840	0.9999840	-0.0
4.5000	0.9999890	0.9999890	-0.0
14.9999	1.0000000	1.0000000	-0.0
18.5000	1.0000020	1.0000023	0.3
23.9999	1.0000050	1.0000046	-0.4
28.9999	1.0000050	1.0000053	0.3
32.5001	1.0000050	1.0000049	-0.1

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

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

Date, Delta F ppm

