

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0818
CALIBRATION DATE: 02-Dec-10

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999792e-001

rtca1 = 1.682953e-006

rtca2 = -3.096097e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
0.9999	0.9999810	0.9999808	-0.2
4.4999	0.9999860	0.9999861	0.1
15.0000	0.9999970	0.9999975	0.5
18.5000	1.0000000	0.9999997	-0.3
24.0000	1.0000020	1.0000017	-0.3
29.0000	1.0000020	1.0000019	-0.1
32.5000	1.0000010	1.0000012	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

