

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3722
CALIBRATION DATE: 31-May-07

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999844e-001

rtca1 = 1.476813e-006

rtca2 = -3.081560e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0001	0.9999860	0.9999858	-0.2
4.5000	0.9999900	0.9999904	0.4
15.0001	1.0000000	0.9999996	-0.4
18.5001	1.0000010	1.0000011	0.1
24.0000	1.0000020	1.0000020	0.0
29.0001	1.0000010	1.0000013	0.3
32.5000	1.0000000	0.9999998	-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

