

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0225
CALIBRATION DATE: 22-Feb-08

SBE 39 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999669e-001

rtca1 = 1.427327e-006

rtca2 = -3.226498e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
-1.5001	0.9999650	0.9999647	-0.3
0.9999	0.9999680	0.9999683	0.3
4.5000	0.9999730	0.9999727	-0.3
8.0000	0.9999760	0.9999763	0.3
11.5000	0.9999790	0.9999791	0.1
15.0000	0.9999810	0.9999811	0.1
18.5000	0.9999820	0.9999823	0.3
21.9999	0.9999830	0.9999827	-0.3
25.4999	0.9999830	0.9999823	-0.7
28.9999	0.9999810	0.9999812	0.2
32.5000	0.9999790	0.9999792	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

