

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0992
CALIBRATION DATE: 13-Sep-11

SBE 39 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999757e-001

rtca1 = 1.623814e-006

rtca2 = -3.553494e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
-1.5001	0.9999730	0.9999732	0.2
4.4999	0.9999820	0.9999823	0.3
8.0001	0.9999870	0.9999864	-0.6
11.4997	0.9999900	0.9999896	-0.4
15.0000	0.9999920	0.9999920	0.0
18.4999	0.9999930	0.9999936	0.6
22.0001	0.9999940	0.9999942	0.2
25.4999	0.9999940	0.9999940	-0.0
28.9999	0.9999930	0.9999929	-0.1
32.4999	0.9999910	0.9999909	-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

