

# SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0516  
CALIBRATION DATE: 27-May-11

SBE 39 RTC CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

## COEFFICIENTS:

rtca0 = 9.999814e-001  
rtca1 = 1.490486e-006  
rtca2 = -3.497408e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
-1.5001	0.9999790	0.9999791	0.1
0.9999	0.9999830	0.9999829	-0.1
7.9999	0.9999910	0.9999911	0.1
11.4999	0.9999940	0.9999939	-0.1
14.9999	0.9999960	0.9999959	-0.1
18.4999	0.9999970	0.9999970	0.0
21.9999	0.9999970	0.9999973	0.3
25.4999	0.9999970	0.9999967	-0.3
28.9999	0.9999950	0.9999952	0.2
32.4999	0.9999930	0.9999929	-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

