

SEA-BIRD ELECTRONICS, INC.

13431 NE 20th Street, Bellevue, Washington, 98005-2010 USA

Phone: (425) 643 - 9866 Fax (425) 643 - 9954 Email: seabird@seabird.com

SENSOR SERIAL NUMBER: 0812
CALIBRATION DATE: 17-Dec-10

SBE 39 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999755e-001

rtca1 = 1.690844e-006

rtca2 = -3.634203e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
-1.5000	0.9999730	0.9999728	-0.2
0.9999	0.9999770	0.9999771	0.1
4.4999	0.9999820	0.9999823	0.3
8.0000	0.9999870	0.9999867	-0.3
11.5000	0.9999900	0.9999901	0.1
15.0000	0.9999930	0.9999926	-0.4
18.5000	0.9999940	0.9999943	0.3
22.0000	0.9999950	0.9999951	0.1
25.5000	0.9999950	0.9999949	-0.1
29.0000	0.9999940	0.9999939	-0.1
32.5000	0.9999920	0.9999920	0.0

$$\text{RTC frequency} = \text{rtca0} + \text{rtca1} * t + \text{rtca2} * t^2$$

$$\text{Residual} = (\text{Computed RTC frequency} - \text{Measured RTC frequency}) * 1e6$$

Date, Delta F ppm

