

Sea-Bird Electronics, Inc.

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

Phone: (+1) 425-643-9866 Fax (+1) 425-643-9954 Email: seabird@seabird.com

SENSOR SERIAL NUMBER: 2003
CALIBRATION DATE: 14-Apr-12

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999822e-001

rtca1 = 1.676716e-006

rtca2 = -3.172672e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999840	0.9999838	-0.2
4.5000	0.9999890	0.9999891	0.1
15.0000	1.0000000	1.0000002	0.2
18.4999	1.0000020	1.0000024	0.4
24.0000	1.0000050	1.0000042	-0.8
29.0000	1.0000040	1.0000041	0.1
32.5000	1.0000030	1.0000032	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

