

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: 3722
CALIBRATION DATE: 29-Oct-13

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999853e-001

rtca1 = 1.469671e-006

rtca2 = -3.102643e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999870	0.9999867	-0.3
4.5000	0.9999910	0.9999913	0.3
15.0000	1.0000000	1.0000004	0.4
18.5000	1.0000020	1.0000019	-0.1
24.0000	1.0000030	1.0000027	-0.3
29.0000	1.0000020	1.0000018	-0.2
32.5000	1.0000000	1.0000003	0.3

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

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

Date, Delta F ppm

