

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: 3768
CALIBRATION DATE: 10-Dec-11

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999781e-001

rtca1 = 1.739719e-006

rtca2 = -3.278587e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999800	0.9999798	-0.2
4.5000	0.9999850	0.9999853	0.3
15.0000	0.9999970	0.9999968	-0.2
18.4999	0.9999990	0.9999991	0.1
24.0000	1.0000010	1.0000010	-0.0
29.0000	1.0000010	1.0000010	-0.0
32.5000	1.0000000	1.0000000	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

