

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: 1679

CALIBRATION DATE: 06-Feb-14

SBE 37 RTC CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999792e-001

rtca1 = 1.850025e-006

rtca2 = -3.320513e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999810	0.9999810	0.0
4.5000	0.9999870	0.9999868	-0.2
15.0000	0.9999990	0.9999995	0.5
18.5000	1.0000020	1.0000021	0.1
24.0000	1.0000050	1.0000045	-0.5
29.0000	1.0000050	1.0000049	-0.1
32.5000	1.0000040	1.0000042	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

