

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: 3979
CALIBRATION DATE: 04-Mar-15

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999893e-001

rtca1 = 1.636624e-006

rtca2 = -3.073115e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999910	0.9999909	-0.1
4.5000	0.9999960	0.9999961	0.1
15.0000	1.0000070	1.0000070	-0.0
18.5000	1.0000090	1.0000091	0.1
24.0000	1.0000110	1.0000109	-0.1
29.0000	1.0000110	1.0000110	-0.0
32.5000	1.0000100	1.0000101	0.1

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

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

