

SEA-BIRD ELECTRONICS, INC.

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

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

SENSOR SERIAL NUMBER: 2023
CALIBRATION DATE: 01-Jan-11

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999794e-001

rtca1 = 1.760429e-006

rtca2 = -3.271336e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999810	0.9999812	0.2
4.5000	0.9999870	0.9999867	-0.3
15.0000	0.9999980	0.9999985	0.5
18.5000	1.0000010	1.0000008	-0.2
24.0000	1.0000030	1.0000028	-0.2
29.0000	1.0000030	1.0000030	-0.0
32.5000	1.0000020	1.0000021	0.1

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

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

Date, Delta F ppm

