

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: 1810
CALIBRATION DATE: 19-Aug-11

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999721e-001

rtca1 = 1.735739e-006

rtca2 = -3.226281e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999740	0.9999738	-0.2
4.4999	0.9999790	0.9999793	0.3
15.0000	0.9999910	0.9999909	-0.1
18.5000	0.9999930	0.9999932	0.2
24.0000	0.9999950	0.9999952	0.2
29.0000	0.9999960	0.9999953	-0.7
32.5000	0.9999940	0.9999944	0.4

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

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

Date, Delta F ppm

