

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: 0992
CALIBRATION DATE: 18-Aug-11

SBE 39 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999771e-001
rtca1 = 1.592281e-006
rtca2 = -3.502655e-008

BATH TEMP (ITS-90)	RTC FREO (Hz)	COMPUTED FREO (Hz)	RESIDUAL (PPM)
-1.5001	0.9999740	0.9999747	0.7
1.0000	0.9999790	0.9999787	-0.3
4.5000	0.9999840	0.9999836	-0.4
7.9999	0.9999880	0.9999876	-0.4
11.4999	0.9999910	0.9999908	-0.2
14.9999	0.9999930	0.9999931	0.1
18.4999	0.9999940	0.9999946	0.6
21.9999	0.9999950	0.9999952	0.2
25.5000	0.9999950	0.9999950	-0.0
28.9999	0.9999940	0.9999938	-0.2
32.5000	0.9999920	0.9999919	-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

