

SEA-BIRD ELECTRONICS, INC.

1808 136th Place N.E., Bellevue, Washington, 98005 USA

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

SENSOR SERIAL NUMBER: 0829
CALIBRATION DATE: 06-Nov-08

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999710e-001

rtca1 = 1.601436e-006

rtca2 = -2.614733e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999730	0.9999725	-0.5
4.4999	0.9999770	0.9999776	0.6
15.0000	0.9999890	0.9999891	0.1
18.4999	0.9999920	0.9999916	-0.4
23.9999	0.9999940	0.9999943	0.3
28.9999	0.9999960	0.9999954	-0.6
32.5001	0.9999950	0.9999954	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

