

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: 1804
CALIBRATION DATE: 16-Dec-10

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999731e-001

rtca1 = 1.903492e-006

rtca2 = -3.322402e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
0.9999	0.9999750	0.9999750	-0.0
4.5000	0.9999810	0.9999810	-0.0
15.0000	0.9999940	0.9999942	0.2
18.5000	0.9999970	0.9999969	-0.1
24.0000	1.0000000	0.9999997	-0.3
28.9999	1.0000000	1.0000004	0.4
32.5000	1.0000000	0.9999999	-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

