

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: 1852
CALIBRATION DATE: 19-Jan-11

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999815e-001
rtca1 = 1.767567e-006
rtca2 = -3.250255e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999830	0.9999832	0.2
4.5000	0.9999890	0.9999888	-0.2
15.0000	1.0000010	1.0000007	-0.3
18.5000	1.0000030	1.0000031	0.1
23.9999	1.0000050	1.0000052	0.2
29.0000	1.0000050	1.0000054	0.4
32.4999	1.0000050	1.0000046	-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

