

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: 0475
CALIBRATION DATE: 01-Dec-10

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999732e-001

rtca1 = 1.665381e-006

rtca2 = -2.633607e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
0.9999	0.9999750	0.9999748	-0.2
4.4999	0.9999800	0.9999801	0.1
15.0000	0.9999920	0.9999922	0.2
18.5000	0.9999950	0.9999950	-0.0
24.0000	0.9999980	0.9999980	-0.0
29.0000	1.0000000	0.9999993	-0.7
32.5000	0.9999990	0.9999995	0.5

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

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

Date, Delta F ppm

