

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: 3318
CALIBRATION DATE: 16-Dec-08

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999731e-001

rtca1 = 1.726225e-006

rtca2 = -3.122308e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999750	0.9999748	-0.2
4.5000	0.9999800	0.9999802	0.2
15.0000	0.9999920	0.9999920	-0.0
18.4999	0.9999940	0.9999943	0.3
24.0000	0.9999970	0.9999965	-0.5
28.9999	0.9999970	0.9999969	-0.1
32.4999	0.9999960	0.9999962	0.2

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

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

Date, Delta F ppm

