

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: 4590
CALIBRATION DATE: 16-Jul-09

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999873e-001

rtca1 = 1.650222e-006

rtca2 = -3.483317e-008

BATH TEMP (ITS-90)	RTC FREQ (Hz)	COMPUTED FREQ (Hz)	RESIDUAL (PPM)
1.0000	0.9999890	0.9999889	-0.1
4.4999	0.9999940	0.9999940	0.0
14.9999	1.0000040	1.0000042	0.2
18.5000	1.0000060	1.0000059	-0.1
24.0000	1.0000070	1.0000069	-0.1
29.0001	1.0000060	1.0000059	-0.1
32.5000	1.0000040	1.0000042	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

