

Sea-Bird Electronics, Inc.

13431 NE 20th Street, Bellevue, WA 98005-2010 USA

Phone: (+1) 425-643-9866 Fax (+1) 425-643-9954 Email: seabird@seabird.com

SENSOR SERIAL NUMBER: 0992

CALIBRATION DATE: 01-Dec-15

SBE 39 RTC CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999772e-001

rtca1 = 1.563622e-006

rtca2 = -3.397688e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
-1.5000	0.9999750	0.9999748	-0.2
1.0000	0.9999790	0.9999787	-0.3
4.5000	0.9999830	0.9999835	0.5
8.0000	0.9999870	0.9999875	0.5
11.5000	0.9999910	0.9999907	-0.3
15.0000	0.9999930	0.9999930	0.0
18.5000	0.9999950	0.9999945	-0.5
22.0000	0.9999950	0.9999952	0.2
25.5000	0.9999950	0.9999950	-0.0
29.0000	0.9999940	0.9999940	-0.0
32.5000	0.9999920	0.9999921	0.1

t = temperature (°C)

RTC frequency = $rtca0 + rtca1 * t + rtca2 * t^2$

Residual (PPM) = (Computed RTC frequency - Measured RTC frequency) * 1e6

