

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: 0507
CALIBRATION DATE: 05-Oct-16

SBE 39 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999765e-001

rtca1 = 1.608726e-006

rtca2 = -3.667277e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
-1.5000	0.9999740	0.9999740	-0.0
1.0000	0.9999780	0.9999780	0.0
4.5000	0.9999830	0.9999829	-0.1
8.0000	0.9999870	0.9999870	-0.0
11.5000	0.9999900	0.9999901	0.1
14.9999	0.9999920	0.9999923	0.3
18.5000	0.9999940	0.9999937	-0.3
22.0000	0.9999940	0.9999941	0.1
25.5000	0.9999940	0.9999936	-0.4
29.0000	0.9999920	0.9999923	0.3
32.5000	0.9999900	0.9999900	0.0

t = temperature (°C)

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

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

