

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: 0554
CALIBRATION DATE: 05-Oct-16

SBE 39 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999720e-001
rtca1 = 1.641489e-006
rtca2 = -3.447722e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
-1.5000	0.9999690	0.9999695	0.5
1.0000	0.9999740	0.9999736	-0.4
4.5000	0.9999790	0.9999787	-0.3
8.0000	0.9999830	0.9999829	-0.1
11.5000	0.9999860	0.9999863	0.3
14.9999	0.9999890	0.9999889	-0.1
18.5000	0.9999910	0.9999906	-0.4
22.0000	0.9999910	0.9999914	0.4
25.5000	0.9999910	0.9999915	0.5
29.0000	0.9999910	0.9999906	-0.4
32.5000	0.9999890	0.9999889	-0.1

t = temperature (°C)

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

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

