

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: 0516
CALIBRATION DATE: 07-Oct-16

SBE 39 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999823e-001
rtca1 = 1.477790e-006
rtca2 = -3.349787e-008

BATH TEMPERATURE (° C)	RTC FREQUENCY (Hz)	COMPUTED FREQUENCY (Hz)	RESIDUAL (PPM)
-1.5000	0.9999800	0.9999800	0.0
1.0000	0.9999840	0.9999838	-0.2
4.5000	0.9999880	0.9999883	0.3
8.0000	0.9999920	0.9999920	0.0
11.5000	0.9999950	0.9999949	-0.1
15.0000	0.9999970	0.9999970	-0.0
18.5000	0.9999980	0.9999982	0.2
22.0000	0.9999990	0.9999986	-0.4
25.5000	0.9999980	0.9999982	0.2
29.0000	0.9999970	0.9999970	0.0
32.5000	0.9999950	0.9999950	-0.0

t = temperature (°C)

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

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

