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SENSOR SERIAL NUMBER: 3722  
CALIBRATION DATE: 15-Sep-21

SBE 37 RTC CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999852e-001  
rtca1 = 1.536648e-006  
rtca2 = -3.260850e-008

| BATH<br>TEMPERATURE (° C) | RTC<br>FREQUENCY (Hz) | COMPUTED<br>FREQUENCY (Hz) | RESIDUAL<br>(PPM) |
|---------------------------|-----------------------|----------------------------|-------------------|
| 1.0000                    | 0.9999870             | 0.9999867                  | -0.3              |
| 4.5000                    | 0.9999910             | 0.9999915                  | 0.5               |
| 15.0000                   | 1.0000010             | 1.0000009                  | -0.1              |
| 18.5000                   | 1.0000030             | 1.0000025                  | -0.5              |
| 23.9999                   | 1.0000030             | 1.0000033                  | 0.3               |
| 29.0000                   | 1.0000020             | 1.0000024                  | 0.4               |
| 32.5000                   | 1.0000010             | 1.0000007                  | -0.3              |

t = temperature (°C)

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

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

