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SENSOR SERIAL NUMBER: 1866
CALIBRATION DATE: 14-Jul-23

SBE 37 RTC CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

rtca0 = 9.999940e-001
rtca1 = 1.626245e-006
rtca2 = -3.310028e-008

| BATH TEMPERATURE (° C) | RTC FREQUENCY (Hz) | COMPUTED FREQUENCY (Hz) | RESIDUAL (PPM) |
|---------------------------|-----------------------|----------------------------|-------------------|
| 1.0000 | 0.9999960 | 0.9999956 | -0.4 |
| 4.5000 | 1.0000000 | 1.0000006 | 0.6 |
| 15.0000 | 1.0000110 | 1.0000109 | -0.1 |
| 18.5000 | 1.0000130 | 1.0000127 | -0.3 |
| 24.0000 | 1.0000140 | 1.0000139 | -0.1 |
| 29.0000 | 1.0000130 | 1.0000133 | 0.3 |
| 32.5000 | 1.0000120 | 1.0000119 | -0.1 |

t = temperature (°C)

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

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

