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SENSOR SERIAL NUMBER: 3769
CALIBRATION DATE: 08-Jun-23

SBE 37 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

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g = -1.053001e+000
h =  1.396605e-001
i = -8.267178e-005
j =  2.837524e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -9.1320e-006
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BATH TEMP (° C)	BATH SAL (PSU)	BATH COND (S/m)	INSTRUMENT OUTPUT (Hz)	INSTRUMENT COND (S/m)	RESIDUAL (S/m)
22.0000	0.0000	0.00000	2746.26	0.00000	0.00000
1.0000	34.6867	2.96594	5357.27	2.96592	-0.00002
4.5000	34.6672	3.27204	5556.79	3.27206	0.00002
15.0000	34.6257	4.25070	6150.56	4.25070	0.00000
18.5000	34.6168	4.59475	6345.85	4.59475	-0.00000
24.0000	34.6070	5.15092	6649.13	5.15092	-0.00001
29.0000	34.6009	5.67100	6920.42	5.67100	0.00000
32.5000	34.5952	6.04178	7107.22	6.04157	-0.00021

f = Instrument Output(Hz) * sqrt(1.0 + WBOTC * t) / 1000.0

t = temperature (°C); p = pressure (decibars); δ = CTcor; ε = CPcor;

Conductivity (S/m) = $(g + h * f^2 + i * f^3 + j * f^4) / (1 + \delta * t + \varepsilon * p)$

Residual (Siemens/meter) = instrument conductivity - bath conductivity