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SENSOR SERIAL NUMBER: 3767
CALIBRATION DATE: 20-Apr-23

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

COEFFICIENTS:

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g = -1.053256e+000
h =  1.537088e-001
i = -4.773632e-004
j =  5.521477e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -8.4102e-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	2625.39	0.00000	0.00000
1.0000	34.7153	2.96815	5131.60	2.96815	-0.00000
4.5000	34.6952	3.27442	5323.16	3.27435	-0.00007
15.0000	34.6535	4.25375	5893.65	4.25386	0.00011
18.5000	34.6438	4.59795	6081.25	4.59814	0.00019
24.0000	34.6328	5.15434	6372.20	5.15394	-0.00040
29.0000	34.6249	5.67449	6632.92	5.67465	0.00016
32.5000	34.6161	6.04502	6811.70	6.04413	-0.00088

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