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SENSOR SERIAL NUMBER: 3979
CALIBRATION DATE: 18-Feb-24

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

COEFFICIENTS:

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g = -1.020755e+000
h =  1.481940e-001
i = -1.601204e-004
j =  3.815843e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -9.2326e-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	2626.15	0.00000	0.00000
0.9999	34.5936	2.95873	5178.65	2.95873	0.00000
4.4999	34.5737	3.26407	5372.91	3.26408	0.00000
14.9999	34.5332	4.24053	5950.94	4.24052	-0.00002
18.5000	34.5246	4.58383	6140.98	4.58382	-0.00000
23.9999	34.5160	5.13886	6436.06	5.13887	0.00001
29.0000	34.5116	5.65800	6699.97	5.65802	0.00001
32.5000	34.5083	6.02832	6881.85	6.02831	-0.00001

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