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SENSOR SERIAL NUMBER: 3979
CALIBRATION DATE: 12-Mar-24

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

COEFFICIENTS:

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g = -1.018214e+000
h =  1.475775e-001
i = -3.804077e-005
j =  2.828754e-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	2626.11	0.00000	0.00000
1.0000	34.6101	2.96001	5182.17	2.96002	0.00001
4.5000	34.5911	3.26556	5376.67	3.26554	-0.00002
15.0000	34.5501	4.24240	5955.35	4.24240	0.00001
18.5000	34.5409	4.58576	6145.56	4.58576	0.00000
24.0000	34.5301	5.14074	6440.87	5.14075	0.00001
29.0000	34.5226	5.65960	6704.88	5.65957	-0.00003
32.5000	34.5166	6.02961	6886.85	6.02963	0.00002

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