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SENSOR SERIAL NUMBER: 16239
CALIBRATION DATE: 06-Mar-25

SBE 37 V2 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

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g =  2.796065e-001
h = -3.503301e-001
i =  1.418144e-001
j = -1.060598e-002

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  2.0734e-007
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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	2813.26	0.00015	0.00015
1.0000	34.6532	2.96335	5174.37	2.94374	-0.01961
4.4999	34.6336	3.26917	5358.05	3.29497	0.02580
14.9999	34.5941	4.24722	5864.88	4.28946	0.04224
18.4999	34.5858	4.59107	5982.69	4.52028	-0.07079
24.0000	34.5771	5.14696	6326.35	5.17629	0.02933
29.0000	34.5730	5.66694	6596.85	5.65982	-0.00712
32.5000	34.5710	6.03803	6772.08	5.94957	-0.08847

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