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SENSOR SERIAL NUMBER: 16240
CALIBRATION DATE: 20-Mar-25

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

COEFFICIENTS:

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g = -1.003135e+000
h =  1.291591e-001
i = -1.570525e-005
j =  1.879577e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  3.8886e-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	2785.76	0.00000	0.00000
1.0000	34.5671	2.95669	5526.60	2.95669	0.00001
4.5000	34.5485	3.26194	5734.77	3.26193	-0.00001
14.9999	34.5103	4.23802	6354.08	4.23802	-0.00000
18.4999	34.5029	4.58125	6557.70	4.58125	-0.00000
24.0000	34.4953	5.13613	6873.85	5.13613	0.00001
29.0000	34.4917	5.65510	7156.61	5.65511	0.00000
32.5001	34.4871	6.02505	7351.36	6.02505	-0.00000

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