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SENSOR SERIAL NUMBER: 16240
CALIBRATION DATE: 07-Mar-25

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

COEFFICIENTS:

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g =  1.002341e-001
h = -2.995611e-001
i =  1.306413e-001
j = -9.960744e-003

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	2785.74	0.00000	0.00000
0.9999	34.5800	2.95768	5123.85	2.94397	-0.01370
4.4999	34.5611	3.26300	5305.83	3.28658	0.02358
14.9999	34.5227	4.23938	5833.96	4.30611	0.06673
18.5000	34.5147	4.58266	5918.31	4.46868	-0.11397
24.0000	34.5067	5.13764	6306.54	5.19752	0.05988
29.0000	34.5030	5.65675	6555.18	5.63431	-0.02244
32.5001	34.5014	6.02727	6725.20	5.91241	-0.11486

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