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SENSOR SERIAL NUMBER: 16256
CALIBRATION DATE: 05-Mar-25

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

COEFFICIENTS:

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g = -9.833591e-001
h =  1.250472e-001
i = -1.443977e-004
j =  2.766453e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -1.1877e-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	2806.37	0.00000	0.00000
1.0000	34.6180	2.96062	5614.70	2.96065	0.00003
4.4999	34.5986	3.26619	5827.28	3.26617	-0.00002
15.0000	34.5599	4.24347	6459.60	4.24345	-0.00002
18.4999	34.5520	4.58706	6667.36	4.58704	-0.00003
24.0000	34.5433	5.14249	6989.89	5.14257	0.00009
29.0000	34.5389	5.66197	7278.13	5.66193	-0.00004
32.5001	34.5364	6.03269	7476.45	6.03187	-0.00082

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