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SENSOR SERIAL NUMBER: 16567
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 = -9.912978e-001
h =  1.277273e-001
i = -4.513618e-004
j =  5.061104e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -1.7886e-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	2795.37	0.00000	0.00000
1.0000	34.6180	2.96062	5583.07	2.96066	0.00004
4.4999	34.5986	3.26619	5794.27	3.26615	-0.00004
15.0000	34.5599	4.24347	6422.40	4.24342	-0.00005
18.4999	34.5520	4.58706	6628.81	4.58714	0.00007
24.0000	34.5433	5.14249	6948.93	5.14248	-0.00001
29.0000	34.5389	5.66197	7235.10	5.66197	-0.00001
32.5001	34.5364	6.03269	7431.63	6.03141	-0.00128

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