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SENSOR SERIAL NUMBER: 21148
CALIBRATION DATE: 17-Mar-25

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

COEFFICIENTS:

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g = -9.731198e-001
h =  1.394455e-001
i = -1.891082e-004
j =  3.471537e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  4.0969e-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	2644.11	0.00000	0.00000
1.0008	34.7873	2.97379	5320.61	2.97376	-0.00003
4.5000	34.7675	3.28057	5522.84	3.28061	0.00004
15.0000	34.7297	4.26211	6124.20	4.26213	0.00001
18.5000	34.7222	4.60723	6321.77	4.60722	-0.00001
24.0000	34.7145	5.16515	6628.41	5.16513	-0.00002
29.0000	34.7110	5.68701	6902.59	5.68702	0.00001
32.5000	34.7095	6.05947	7091.63	6.05957	0.00010

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