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SENSOR SERIAL NUMBER: 16244
CALIBRATION DATE: 06-Mar-25

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

COEFFICIENTS:

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g = -1.004205e+000
h =  1.274870e-001
i = -1.021185e-005
j =  1.771072e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  1.1882e-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	2805.36	0.00000	0.00000
1.0000	34.6532	2.96335	5567.91	2.96335	0.00000
4.4999	34.6336	3.26917	5777.64	3.26917	-0.00000
14.9999	34.5941	4.24722	6401.65	4.24722	-0.00000
18.4999	34.5858	4.59107	6606.78	4.59107	0.00000
24.0000	34.5771	5.14696	6925.27	5.14696	-0.00000
29.0000	34.5730	5.66694	7210.17	5.66694	-0.00000
32.5000	34.5710	6.03803	7406.69	6.03815	0.00011

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