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SENSOR SERIAL NUMBER: 16242
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 = -1.013553e+000
h =  1.261990e-001
i = -3.913704e-005
j =  2.002037e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  1.4705e-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	2833.41	0.00000	0.00000
1.0000	34.6532	2.96335	5604.57	2.96336	0.00001
4.4999	34.6336	3.26917	5815.16	3.26916	-0.00001
14.9999	34.5941	4.24722	6441.87	4.24723	0.00001
18.4999	34.5858	4.59107	6647.87	4.59106	-0.00001
24.0000	34.5771	5.14696	6967.78	5.14697	0.00001
29.0000	34.5730	5.66694	7253.91	5.66693	-0.00000
32.5000	34.5710	6.03803	7451.28	6.03814	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