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SENSOR SERIAL NUMBER: 16241
CALIBRATION DATE: 07-Mar-25

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

COEFFICIENTS:

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g = -9.776930e-001
h =  1.283660e-001
i = -1.972988e-006
j =  1.899975e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  9.0633e-008
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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	2758.29	0.00000	0.00000
0.9999	34.5800	2.95768	5524.73	2.95774	0.00006
4.4999	34.5611	3.26300	5733.99	3.26293	-0.00007
14.9999	34.5227	4.23938	6356.56	4.23936	-0.00002
18.5000	34.5147	4.58266	6561.14	4.58267	0.00002
24.0000	34.5067	5.13764	6878.72	5.13768	0.00004
29.0000	34.5030	5.65675	7162.66	5.65672	-0.00002
32.5001	34.5014	6.02727	7358.35	6.02703	-0.00024

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