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SENSOR SERIAL NUMBER: 13247
CALIBRATION DATE: 13-Sep-24

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

COEFFICIENTS:

g = -1.009886e+000
h = 1.556848e-001
i = -2.656230e-004
j = 4.180766e-005

CPcor = -9.5700e-008
CTcor = 3.2500e-006
WBOTC = 3.9209e-007

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	2550.22	0.00000	0.00000
1.0000	34.6084	2.95988	5054.09	2.95988	-0.00000
4.5000	34.5872	3.26523	5244.36	3.26523	0.00000
14.9999	34.5433	4.24164	5810.47	4.24165	0.00001
18.5000	34.5339	4.58493	5996.58	4.58493	-0.00000
24.0000	34.5240	5.13993	6285.57	5.13992	-0.00001
29.0000	34.5192	5.65911	6544.09	5.65911	0.00000
32.5001	34.5173	6.02973	6722.45	6.02986	0.00013

$f = \text{Instrument Output(Hz)} * \sqrt{1.0 + \text{WBOTC} * t} / 1000.0$

t = temperature (°C); p = pressure (decibars); $\delta = \text{CTcor}$; $\epsilon = \text{CPcor}$;

Conductivity (S/m) = $(g + h * f^2 + i * f^3 + j * f^4) / (1 + \delta * t + \epsilon * p)$

Residual (Siemens/meter) = instrument conductivity - bath conductivity

