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SENSOR SERIAL NUMBER: 2490
CALIBRATION DATE: 09-Jun-23

SBE 4 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -9.95051664e+000
h = 1.51812404e+000
i = -1.95117050e-003
j = 2.39268385e-004

CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

BATH TEMP (° C)	BATH SAL (PSU)	BATH COND (S/m)	INSTRUMENT OUTPUT (kHz)	INSTRUMENT COND (S/m)	RESIDUAL (S/m)
0.0000	0.0000	0.00000	2.56307	0.00000	0.00000
-1.0001	34.5953	2.78842	4.99842	2.78843	0.00001
0.9999	34.5963	2.95894	5.10972	2.95893	-0.00001
14.9999	34.5971	4.24755	5.88281	4.24752	-0.00003
18.4999	34.5967	4.59236	6.07290	4.59238	0.00002
28.9999	34.5935	5.66991	6.63146	5.66993	0.00002
32.4999	34.5818	6.03970	6.81244	6.03968	-0.00002

f = Instrument Output (kHz)

t = temperature (°C); p = pressure (decibars); δ = CTcor; ϵ = CPcor;

Conductivity (S/m) = $(g + h * f^2 + i * f^3 + j * f^4) / 10 (1 + \delta * t + \epsilon * p)$

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

