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SENSOR SERIAL NUMBER: 4373
 CALIBRATION DATE: 23-Jul-24

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

COEFFICIENTS:

g = -9.80641451e+000
 h = 1.39619996e+000
 i = -1.32949946e-003
 j = 1.71620128e-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	2.65242	0.00000	0.00000
-1.0001	33.8690	2.73525	5.16311	2.73522	-0.00003
1.0000	33.8685	2.90254	5.27802	2.90258	0.00004
15.0000	33.8681	4.16739	6.07612	4.16739	0.00000
18.4999	33.8660	4.50567	6.27225	4.50565	-0.00002
28.9999	33.8521	5.56185	6.84827	5.56188	0.00003
32.5000	33.8246	5.92227	7.03389	5.92225	-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

