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SENSOR SERIAL NUMBER: 0369
 CALIBRATION DATE: 23-Jul-24

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

COEFFICIENTS:

g = -4.28712356e+000
 h = 5.37935077e-001
 i = -2.48916649e-003
 j = 1.65876463e-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	2.83820	0.00000	0.00000
-1.0001	33.8690	2.73525	7.73655	2.73523	-0.00002
1.0000	33.8685	2.90254	7.93836	2.90256	0.00003
15.0000	33.8681	4.16739	9.32003	4.16739	0.00000
18.4999	33.8660	4.50567	9.65496	4.50566	-0.00001
28.9999	33.8521	5.56185	10.62981	5.56185	0.00000
32.5000	33.8246	5.92227	10.94134	5.92213	-0.00014

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

