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SENSOR SERIAL NUMBER: 3833
CALIBRATION DATE: 31-Aug-23

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

COEFFICIENTS:

g = -1.04812087e+001
h = 1.37035036e+000
i = -4.16401156e-004
j = 1.07894753e-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	2.76593	0.00000	0.00000
-1.0001	34.5181	2.78277	5.28571	2.78275	-0.00003
0.9999	34.5187	2.95293	5.40171	2.95296	0.00003
14.9999	34.5219	4.23929	6.20818	4.23927	-0.00002
18.4999	34.5217	4.58347	6.40667	4.58350	0.00003
29.0000	34.5185	5.65901	6.99029	5.65898	-0.00003
32.5000	34.5071	6.02814	7.17958	6.02815	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

