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SENSOR SERIAL NUMBER: 3858
CALIBRATION DATE: 11-Jul-23

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

COEFFICIENTS:

g = -1.00307863e+001
h = 1.24926134e+000
i = -1.61809443e-003
j = 1.64402991e-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	2.83733	0.00000	0.00000
-1.0001	34.5021	2.78160	5.51279	2.78161	0.00001
0.9999	34.5029	2.95171	5.63525	2.95170	-0.00001
14.9999	34.5022	4.23713	6.48604	4.23714	0.00001
18.4999	34.5020	4.58114	6.69526	4.58113	-0.00002
28.9999	34.4976	5.65595	7.31015	5.65596	0.00001
32.4999	34.4850	6.02471	7.50937	6.02470	-0.00000

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

