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SENSOR SERIAL NUMBER: 3858
CALIBRATION DATE: 22-Sep-22

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

COEFFICIENTS:

g = -1.02193323e+001
h = 1.52715097e+000
i = -1.13706121e-003
j = 1.77283600e-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	2.58833	0.00000	0.00000
-1.0001	34.5482	2.78498	4.99487	2.78499	0.00001
1.0000	34.5491	2.95529	5.10525	2.95528	-0.00002
14.9999	34.5484	4.24220	5.87234	4.24220	0.00000
18.4999	34.5475	4.58653	6.06102	4.58653	-0.00000
28.9999	34.5394	5.66204	6.61546	5.66205	0.00001
32.4999	34.5227	6.03054	6.79491	6.03054	-0.00001

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

