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SENSOR SERIAL NUMBER: 6382
CALIBRATION DATE: 29-Feb-24

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

COEFFICIENTS:

g = -1.01189067e+001
h = 1.49753033e+000
i = -1.17480731e-003
j = 1.71541593e-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	2.60108	0.00000	0.00000
-1.0001	34.5080	2.78204	5.03598	2.78204	0.00001
0.9999	34.5090	2.95218	5.14755	2.95216	-0.00002
15.0000	34.5094	4.23793	5.92285	4.23797	0.00004
18.5000	34.5094	4.58203	6.11353	4.58200	-0.00002
29.0000	34.5037	5.65685	6.67390	5.65683	-0.00002
32.5000	34.4889	6.02532	6.85538	6.02534	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

