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SENSOR SERIAL NUMBER: 0864
CALIBRATION DATE: 27-Sep-23

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

COEFFICIENTS:

g = -1.01119280e+001
h = 1.25441386e+000
i = -1.04010013e-003
j = 1.20581886e-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	2.84145	0.00000	0.00000
-1.0000	34.5239	2.78321	5.50439	2.78319	-0.00001
0.9999	34.5242	2.95336	5.62640	2.95338	0.00002
15.0000	34.5256	4.23971	6.47433	4.23969	-0.00002
18.5000	34.5250	4.58388	6.68289	4.58388	0.00001
29.0001	34.5200	5.65923	7.29587	5.65925	0.00002
32.4999	34.5080	6.02827	7.49455	6.02825	-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

