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SENSOR SERIAL NUMBER: 2457
CALIBRATION DATE: 23-Apr-24

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

COEFFICIENTS:

g = -9.89615272e+000
h = 1.45482896e+000
i = 4.75587957e-005
j = 8.49258342e-005

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	2.60749	0.00000	0.00000
-1.0001	32.7211	2.65091	4.99833	2.65093	0.00002
0.9999	32.7218	2.81332	5.10842	2.81331	-0.00001
15.0000	32.7202	4.04064	5.87377	4.04060	-0.00004
18.4999	32.7155	4.36859	6.06188	4.36863	0.00004
29.0002	32.6979	5.39291	6.61465	5.39290	-0.00001
32.4999	32.6658	5.74171	6.79225	5.74114	-0.00057

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

