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SENSOR SERIAL NUMBER: 4223
CALIBRATION DATE: 13-Dec-22

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

COEFFICIENTS:

g = -9.92968359e+000
h = 1.37451975e+000
i = -2.64585382e-003
j = 2.50383430e-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	2.69298	0.00000	0.00000
-1.0000	34.6046	2.78911	5.25891	2.78910	-0.00001
1.0000	34.6046	2.95959	5.37615	2.95959	0.00001
15.0000	34.6034	4.24825	6.19046	4.24823	-0.00002
18.4999	34.6013	4.59291	6.39058	4.59293	0.00003
28.9999	34.5945	5.67005	6.97862	5.67003	-0.00002
32.4998	34.5787	6.03920	7.16894	6.03922	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

