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SENSOR SERIAL NUMBER: 4223
CALIBRATION DATE: 25-Oct-22

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

COEFFICIENTS:

g = -9.82932767e+000
h = 1.33468186e+000
i = 9.51087194e-003
j = -6.77747995e-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	2.69297	0.00000	0.00000
-1.0000	34.5310	2.78373	5.25128	2.78377	0.00004
0.9999	34.5307	2.95386	5.36802	2.95387	0.00001
14.9999	34.5317	4.24037	6.18000	4.23995	-0.00042
18.4999	34.5306	4.58453	6.38040	4.58494	0.00041
29.0000	34.5256	5.66004	6.96863	5.66001	-0.00003
32.5000	34.5112	6.02877	7.15950	6.02875	-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

