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SENSOR SERIAL NUMBER: 3220
 CALIBRATION DATE: 20-Sep-23

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

COEFFICIENTS:

g = -1.01371079e+001
 h = 1.39331555e+000
 i = 2.05543125e-004
 j = 5.80238580e-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	2.69637	0.00000	0.00000
-1.0000	34.6126	2.78969	5.21974	2.78971	0.00002
1.0000	34.6142	2.96033	5.33535	2.96031	-0.00002
15.0000	34.6153	4.24956	6.13867	4.24954	-0.00002
18.5000	34.6150	4.59454	6.33628	4.59455	0.00001
29.0000	34.6108	5.67244	6.91716	5.67245	0.00002
32.5001	34.5982	6.04226	7.10542	6.04224	-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

