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SENSOR SERIAL NUMBER: 4709
CALIBRATION DATE: 18-Aug-21

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

COEFFICIENTS:

g = -1.00507405e+001
h = 1.36770524e+000
i = -2.75918537e-004
j = 8.60469965e-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	2.71095	0.00000	0.00000
-0.9999	34.7363	2.79874	5.27185	2.79872	-0.00002
1.0000	34.7369	2.96982	5.38899	2.96984	0.00002
15.0001	34.7369	4.26291	6.20270	4.26291	0.00000
18.5000	34.7357	4.60883	6.40277	4.60883	0.00000
29.0000	34.7300	5.68977	6.99085	5.68976	-0.00001
32.5001	34.7159	6.06047	7.18136	6.06048	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

