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SENSOR SERIAL NUMBER: 4709
CALIBRATION DATE: 09-Dec-20

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

COEFFICIENTS:

g = -1.00535661e+001
h = 1.36924425e+000
i = -6.69753257e-004
j = 1.11276514e-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	2.71068	0.00000	0.00000
-1.0001	34.6007	2.78881	5.26487	2.78881	-0.00000
1.0000	34.6011	2.95932	5.38176	2.95932	0.00000
15.0000	34.6000	4.24788	6.19389	4.24791	0.00003
18.5000	34.5990	4.59264	6.39356	4.59261	-0.00003
29.0000	34.5917	5.66966	6.98048	5.66967	0.00001
32.5000	34.5790	6.03927	7.17071	6.03927	-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

