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SENSOR SERIAL NUMBER: 4709
CALIBRATION DATE: 08-Oct-19

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

COEFFICIENTS:

g = -1.00524477e+001
h = 1.36874936e+000
i = -4.80068476e-004
j = 9.40489218e-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	2.71063	0.00000	0.00000
-1.0000	34.8080	2.80397	5.27525	2.80399	0.00002
1.0000	34.8088	2.97538	5.39250	2.97536	-0.00003
15.0000	34.8088	4.27079	6.20724	4.27080	0.00001
18.5000	34.8076	4.61734	6.40755	4.61733	-0.00001
29.0000	34.7985	5.69973	6.99612	5.69975	0.00002
32.5001	34.7820	6.07070	7.18665	6.07069	-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

