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SENSOR SERIAL NUMBER: 4346
CALIBRATION DATE: 11-Oct-17

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

COEFFICIENTS:

g = -9.89947507e+000
h = 1.29651128e+000
i = -3.03561547e-003
j = 2.75411104e-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	2.76997	0.00000	0.00000
-1.0001	34.6803	2.79463	5.42032	2.79463	-0.00000
0.9999	34.6803	2.96544	5.54131	2.96544	0.00000
14.9999	34.6803	4.25668	6.38161	4.25667	-0.00001
18.4999	34.6790	4.60211	6.58811	4.60213	0.00002
28.9999	34.6719	5.68131	7.19460	5.68129	-0.00002
32.4999	34.6577	6.05144	7.39099	6.05145	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

