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SENSOR SERIAL NUMBER: 4229
CALIBRATION DATE: 12-Oct-17

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

COEFFICIENTS:

g = -9.73868863e+000
h = 1.50316105e+000
i = -1.24555309e-003
j = 1.89618605e-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	2.54700	0.00000	0.00000
-1.0001	34.6127	2.78969	5.00622	2.78967	-0.00002
0.9999	34.6129	2.96022	5.11828	2.96023	0.00001
14.9999	34.6121	4.24920	5.89629	4.24923	0.00003
18.5000	34.6107	4.59403	6.08743	4.59402	-0.00001
28.9999	34.6018	5.67112	6.64883	5.67106	-0.00006
32.4999	34.5863	6.04039	6.83062	6.04043	0.00004

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

