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SENSOR SERIAL NUMBER: 2980
CALIBRATION DATE: 08-Jan-20

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

COEFFICIENTS:

g = -1.01369422e+001
h = 1.38484908e+000
i = -1.56036694e-005
j = 7.69748306e-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	2.70502	0.00000	0.00000
-1.0002	34.6846	2.79494	5.24041	2.79496	0.00002
0.9998	34.6852	2.96581	5.35648	2.96579	-0.00002
14.9998	34.6831	4.25698	6.16306	4.25695	-0.00003
18.4998	34.6802	4.60224	6.36135	4.60226	0.00002
28.9998	34.6702	5.68106	6.94415	5.68107	0.00001
32.4999	34.6502	6.05028	7.13258	6.05027	-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

