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SENSOR SERIAL NUMBER: 1387
CALIBRATION DATE: 09-Jan-20

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

COEFFICIENTS:

g = -1.06617235e+001
h = 1.59713874e+000
i = -1.15159907e-003
j = 1.77095413e-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	2.58515	0.00000	0.00000
-1.0002	34.6053	2.78914	4.91524	2.78911	-0.00003
0.9998	34.6044	2.95956	5.02264	2.95959	0.00003
14.9998	34.6016	4.24803	5.76977	4.24805	0.00002
18.4998	34.5988	4.59260	5.95358	4.59257	-0.00003
28.9998	34.5890	5.66924	6.49426	5.66926	0.00002
32.4998	34.5765	6.03886	6.66967	6.03886	-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

