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SENSOR SERIAL NUMBER: 4222
CALIBRATION DATE: 11-Feb-20

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

COEFFICIENTS:

g = -9.95236466e+000
h = 1.40103771e+000
i = -3.20977621e-003
j = 2.94302037e-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	2.67143	0.00000	0.00000
-0.9968	34.8200	2.80512	5.22450	2.80511	-0.00001
1.0006	34.8194	2.97626	5.34089	2.97627	0.00001
14.9999	34.8164	4.27161	6.15031	4.27160	-0.00001
18.4999	34.8135	4.61803	6.34917	4.61802	-0.00001
28.9999	34.8040	5.70052	6.93352	5.70055	0.00003
32.4999	34.7860	6.07129	7.12246	6.07127	-0.00002

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

