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SENSOR SERIAL NUMBER: 2980
CALIBRATION DATE: 27-Apr-22

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

COEFFICIENTS:

g = -1.01368217e+001
h = 1.38511331e+000
i = -1.41118334e-004
j = 8.85900047e-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	2.70499	0.00000	0.00000
-1.0001	34.6626	2.79334	5.23943	2.79334	-0.00000
0.9999	34.6624	2.96405	5.35545	2.96406	0.00000
15.0000	34.6606	4.25453	6.16179	4.25452	-0.00001
18.4999	34.6578	4.59960	6.35998	4.59960	0.00001
29.0000	34.6494	5.67805	6.94271	5.67805	0.00000
32.4999	34.6347	6.04788	7.13148	6.04788	-0.00000

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

