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SENSOR SERIAL NUMBER: 1335
CALIBRATION DATE: 06-Sep-23

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

COEFFICIENTS:

g = -3.86920338e+000
h = 4.89106904e-001
i = -4.39755620e-005
j = 3.12826875e-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	2.81225	0.00000	0.00000
-1.0000	34.6728	2.79409	8.05077	2.79408	-0.00001
0.9999	34.6728	2.96486	8.26328	2.96488	0.00002
15.0000	34.6747	4.25608	9.71821	4.25604	-0.00003
18.5000	34.6746	4.60160	10.07135	4.60161	0.00001
29.0000	34.6705	5.68112	11.10077	5.68116	0.00004
32.5000	34.6587	6.05161	11.43210	6.05158	-0.00003

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

