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

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

COEFFICIENTS:

g = -3.87053330e+000
h = 4.89284277e-001
i = -7.69553897e-005
j = 3.25712019e-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	2.81246	0.00000	0.00000
-1.0001	34.6651	2.79352	8.05028	2.79353	0.00001
1.0000	34.6657	2.96432	8.26280	2.96431	-0.00000
14.9999	34.6665	4.25517	9.71762	4.25514	-0.00003
18.5000	34.6661	4.60059	10.07073	4.60061	0.00003
28.9999	34.6614	5.67979	11.09999	5.67979	0.00000
32.5001	34.6483	6.05001	11.43119	6.05000	-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

