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SENSOR SERIAL NUMBER: 0334
CALIBRATION DATE: 06-Jun-23

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

COEFFICIENTS:

g = -4.23609580e+000
h = 4.73434507e-001
i = -8.01560956e-004
j = 6.41330406e-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	2.99703	0.00000	0.00000
-1.0001	34.5804	2.78733	8.25508	2.78737	0.00004
0.9999	34.5804	2.95771	8.47067	2.95768	-0.00003
14.9999	34.5787	4.24553	9.94817	4.24548	-0.00005
18.4999	34.5785	4.59020	10.30700	4.59023	0.00002
28.9999	34.5766	5.66745	11.35326	5.66751	0.00006
32.5000	34.5645	6.03703	11.68977	6.03698	-0.00005

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

