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SENSOR SERIAL NUMBER: 6186
CALIBRATION DATE: 13-Sep-23

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

COEFFICIENTS:

g = -1.02037715e+001
h = 1.36600090e+000
i = -2.05092797e-003
j = 2.03881941e-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	2.73719	0.00000	0.00000
-1.0000	34.5624	2.78602	5.28871	2.78601	-0.00001
1.0000	34.5626	2.95634	5.40573	2.95635	0.00001
15.0000	34.5640	4.24392	6.21912	4.24393	0.00001
18.5000	34.5645	4.58856	6.41924	4.58854	-0.00001
29.0000	34.5633	5.66552	7.00756	5.66554	0.00001
32.5000	34.5572	6.03590	7.19863	6.03589	-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

