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SENSOR SERIAL NUMBER: 0501
 CALIBRATION DATE: 05-Jan-23

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

COEFFICIENTS:

g = -4.03239831e+000
 h = 4.31619105e-001
 i = -3.87981617e-005
 j = 1.89991060e-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	3.05634	0.00000	0.00000
-1.0000	34.7471	2.79952	8.60341	2.79949	-0.00003
1.0000	34.7466	2.97057	8.82958	2.97060	0.00002
14.9999	34.7440	4.26367	10.37887	4.26370	0.00003
18.5000	34.7424	4.60962	10.75499	4.60961	-0.00002
29.0000	34.7347	5.69046	11.85221	5.69042	-0.00004
32.5001	34.7178	6.06076	12.20508	6.06079	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

