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SENSOR SERIAL NUMBER: 2251  
 CALIBRATION DATE: 07-Feb-23

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

COEFFICIENTS:

g = -1.01223445e+001  
 h = 1.33362873e+000  
 i = -2.37166394e-003  
 j = 2.25323667e-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	2.76001	0.00000	0.00000
-1.0001	34.6784	2.79449	5.35519	2.79447	-0.00002
0.9999	34.6782	2.96527	5.47402	2.96529	0.00002
14.9999	34.6768	4.25630	6.29964	4.25633	0.00003
18.4999	34.6753	4.60167	6.50260	4.60165	-0.00002
28.9999	34.6675	5.68067	7.09906	5.68065	-0.00002
32.4999	34.6519	6.05055	7.29218	6.05056	0.00002

f = Instrument Output (kHz)

t = temperature (°C); p = pressure (decibars);  $\delta$  = CTcor;  $\epsilon$  = 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

