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SENSOR SERIAL NUMBER: 3679  
 CALIBRATION DATE: 10-Jan-23

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

COEFFICIENTS:

g = -1.02132376e+001  
 h = 1.54401663e+000  
 i = -1.22709615e-003  
 j = 1.88473233e-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	2.57350	0.00000	0.00000
-1.0000	34.7868	2.80242	4.97876	2.80243	0.00001
1.0000	34.7878	2.97376	5.08895	2.97374	-0.00002
15.0000	34.7887	4.26859	5.85477	4.26861	0.00003
18.5000	34.7892	4.61516	6.04315	4.61514	-0.00002
29.0001	34.7872	5.69810	6.59693	5.69809	-0.00001
32.5000	34.7786	6.07016	6.77664	6.07017	0.00001

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

