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SENSOR SERIAL NUMBER: 3678  
 CALIBRATION DATE: 16-Jan-20

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

COEFFICIENTS:

g = -1.01807226e+001  
 h = 1.60154022e+000  
 i = 1.26186970e-003  
 j = 1.05878062e-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	2.51872	0.00000	0.00000
-1.0000	34.7865	2.80240	4.87442	2.80240	0.00000
1.0000	34.7870	2.97370	4.98228	2.97370	-0.00000
15.0000	34.7874	4.26844	5.73190	4.26843	-0.00001
18.5000	34.7864	4.61483	5.91627	4.61484	0.00001
29.0000	34.7814	5.69725	6.45833	5.69725	0.00001
32.5000	34.7674	6.06843	6.63394	6.06842	-0.00000

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

