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SENSOR SERIAL NUMBER: 3678  
 CALIBRATION DATE: 17-Dec-19

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

COEFFICIENTS:

g = -1.01847604e+001  
 h = 1.60278510e+000  
 i = 9.66769569e-004  
 j = 2.84991044e-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	2.51874	0.00000	0.00000
-1.0000	34.8285	2.80547	4.87627	2.80546	-0.00000
1.0000	34.8293	2.97697	4.98423	2.97697	0.00000
15.0000	34.8303	4.27315	5.73442	4.27315	0.00000
18.5000	34.8295	4.61993	5.91892	4.61993	0.00000
29.0000	34.8266	5.70382	6.46149	5.70380	-0.00001
32.5000	34.8129	6.07546	6.63726	6.07547	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

