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SENSOR SERIAL NUMBER: 3994  
CALIBRATION DATE: 01-Mar-19

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

COEFFICIENTS:

g = -9.92159684e+000  
h = 1.50955624e+000  
i = -1.99275939e-003  
j = 2.45212694e-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	2.56667	0.00000	0.00000
-1.0000	34.5255	2.78332	5.00741	2.78333	0.00000
0.9999	34.5253	2.95344	5.11890	2.95344	0.00000
15.0000	34.5225	4.23937	5.89335	4.23935	-0.00002
18.4999	34.5198	4.58325	6.08364	4.58325	0.00000
29.0000	34.5116	5.65800	6.64290	5.65802	0.00002
32.4999	34.4968	6.02653	6.82396	6.02652	-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

