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SENSOR SERIAL NUMBER: 2148  
CALIBRATION DATE: 20-Oct-17

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

COEFFICIENTS:

g = -1.02302363e+001  
h = 1.52224652e+000  
i = -2.79694315e-003  
j = 3.00294799e-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	2.59686	0.00000	0.00000
-1.0001	34.5425	2.78456	5.01195	2.78455	-0.00000
0.9999	34.5435	2.95485	5.12278	2.95485	0.00000
14.9999	34.5447	4.24180	5.89283	4.24181	0.00002
18.4999	34.5446	4.58619	6.08222	4.58617	-0.00002
28.9999	34.5377	5.66179	6.63868	5.66179	0.00000
32.4999	34.5243	6.03079	6.81898	6.03079	-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

