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SENSOR SERIAL NUMBER: 3657
CALIBRATION DATE: 26-Jan-18

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

COEFFICIENTS:

g = -9.90196836e+000
h = 1.40218946e+000
i = -2.98883644e-003
j = 2.95003167e-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	2.66298	0.00000	0.00000
-1.0000	34.5463	2.78484	5.20273	2.78485	0.00000
1.0000	34.5463	2.95508	5.31874	2.95508	0.00000
15.0000	34.5453	4.24187	6.12443	4.24186	-0.00001
18.5001	34.5437	4.58610	6.32242	4.58611	0.00001
29.0000	34.5349	5.66139	6.90395	5.66140	0.00001
32.5000	34.5199	6.03012	7.09221	6.03011	-0.00001

f = Instrument Output (kHz)

t = temperature (°C); p = pressure (decibars); δ = CTcor; ϵ = 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

