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SENSOR SERIAL NUMBER: 3657
CALIBRATION DATE: 29-Mar-18

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

COEFFICIENTS:

g = -9.89868813e+000
h = 1.40097726e+000
i = -2.65747135e-003
j = 2.71219568e-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	2.66301	0.00000	0.00000
-1.0000	34.4435	2.77733	5.19758	2.77733	0.00001
1.0000	34.4440	2.94716	5.31340	2.94715	-0.00000
15.0000	34.4443	4.23078	6.11791	4.23076	-0.00001
18.5000	34.4435	4.57422	6.31566	4.57422	0.00000
29.0000	34.4352	5.64688	6.89641	5.64690	0.00003
32.5000	34.4206	6.01474	7.08444	6.01472	-0.00002

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

