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SENSOR SERIAL NUMBER: 3854
CALIBRATION DATE: 10-May-17

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

COEFFICIENTS:

g = -1.04122792e+001
h = 1.58156989e+000
i = -9.60558862e-004
j = 1.72738452e-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	2.56691	0.00000	0.00000
-1.0000	34.6570	2.79294	4.92452	2.79292	-0.00002
1.0000	34.6572	2.96366	5.03287	2.96367	0.00002
15.0000	34.6565	4.25408	5.78602	4.25411	0.00003
18.5000	34.6549	4.59926	5.97126	4.59924	-0.00002
29.0001	34.6452	5.67745	6.51579	5.67743	-0.00002
32.5000	34.6282	6.04689	6.69209	6.04690	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

