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SENSOR SERIAL NUMBER: 3679
CALIBRATION DATE: 03-Apr-13

SBE4 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

GHIJ COEFFICIENTS

g = -1.01199297e+001
h = 1.52992836e+000
i = -1.20952019e-003
j = 1.93545719e-004
CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

ABCDM COEFFICIENTS

a = 1.26525741e-005
b = 1.52718994e+000
c = -1.01152089e+001
d = -8.46757720e-005
m = 4.9
CPcor = -9.5700e-008 (nominal)

BATH TEMP (ITS-90)	BATH SAL (PSU)	BATH COND (Siemens/m)	INST FREQ (kHz)	INST COND (Siemens/m)	RESIDUAL (Siemens/m)
0.0000	0.0000	0.00000	2.57343	0.00000	0.00000
-1.0000	34.7930	2.80287	4.99548	2.80290	0.00002
1.0000	34.7940	2.97424	5.10628	2.97421	-0.00003
15.0000	34.7927	4.26902	5.87615	4.26905	0.00003
18.5000	34.7915	4.61543	6.06541	4.61541	-0.00002
28.9999	34.7822	5.69735	6.62147	5.69735	0.00000
32.5000	34.7620	6.06759	6.80119	6.06759	0.00000

Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

Conductivity = $(af^m + bf^2 + c + dt) / [10(1 + \epsilon p)]$ Siemens/meter

t = temperature[°C]; p = pressure[decibars]; δ = CTcor; ϵ = CPcor;

Residual = (instrument conductivity - bath conductivity) using g, h, i, j coefficients

Date, Slope Correction

