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SENSOR SERIAL NUMBER: 3677
CALIBRATION DATE: 03-Apr-13

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

GHIJ COEFFICIENTS

```
g = -9.92420275e+000
h =  1.40143096e+000
i = -3.32533053e-003
j =  3.21659424e-004
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
```

ABCDM COEFFICIENTS

```
a =  5.26393997e-009
b =  1.39183359e+000
c = -9.90269297e+000
d = -9.70333781e-005
m =  8.5
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	2.66737	0.00000	0.00000
-1.0000	34.7930	2.80287	5.22004	2.80291	0.00003
1.0000	34.7940	2.97424	5.33653	2.97420	-0.00004
15.0000	34.7927	4.26902	6.14560	4.26904	0.00002
18.5000	34.7915	4.61543	6.34438	4.61542	-0.00001
28.9999	34.7822	5.69735	6.92816	5.69735	-0.00000

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

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

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

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