January 2003 calibration CTD2
(775_0301.con)

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SENSOR SERIAL NUMBER = 775
CALIBRATION DATE: 16-Nov-02

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

GHIJ COEFFICIENTS

g = -3.90585043e+00
h = 4.66496076e-01
i = 9.60636785e-04
j = -1.91335009e-05
CPcor = -9.57e-08 (nominal)
CTcor = 3.25e-06 (nominal)

ABCDM COEFFICIENTS

a = 1.89002301e-02
b = 4.44063753e-01
c = -3.88966713e+00
d = -9.17418924e-05
m = 2.2
CPcor = -9.57e-08 (nominal)

BATH TEMP (ITS-90 °C)	BATH SAL (PSU)	BATH COND (Siemens/m)	INST FREQ (kHz)	INST COND (Siemens/m)	RESIDUAL (Siemens/m)
22.0000	0.0000	0.00000	2.88550	0.00000	0.00000
1.0000	34.9958	2.98984	8.45168	2.98986	0.00002
4.4999	34.9967	3.30005	8.82872	3.30002	-0.00003
14.9998	34.9952	4.29121	9.93706	4.29123	0.00002
18.5000	34.9948	4.63949	10.29781	4.63948	-0.00001
23.9998	34.9945	5.20217	10.85512	5.20221	0.00004
28.9999	34.9935	5.72806	11.35083	5.72800	-0.00006
32.5001	34.9919	6.10315	11.69154	6.10318	0.00003

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 = temperaure [deg C]; p = pressure [decibars]; δ = CTcor; ϵ = CPcor;
Residual = (instrument conductivity - bath conductivity) using g, h, i, j coefficients