

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER = 1346  
CALIBRATION DATE: 12-Jul-02s

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

GHIJ COEFFICIENTS

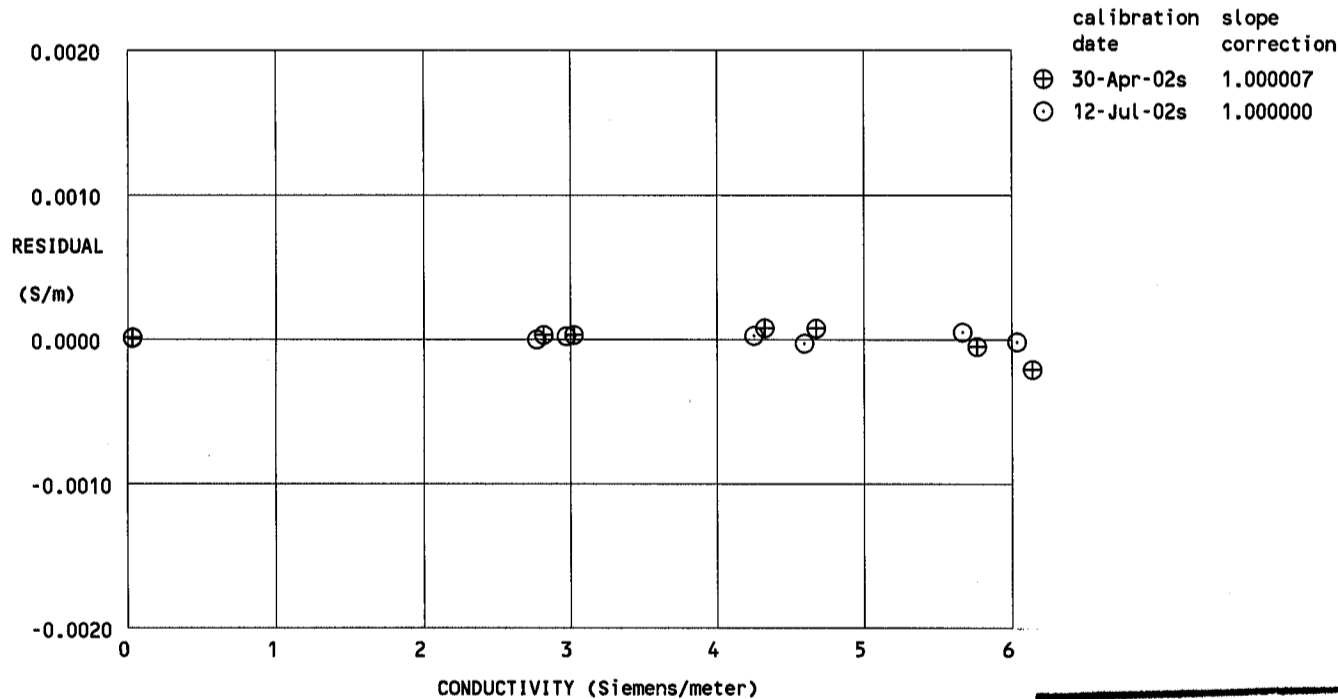
g = -4.07095244e+00  
h = 5.35794173e-01  
i = 1.41050883e-04  
j = 2.71714525e-05  
CPcor = -9.57e-08 (nominal)  
CTcor = 3.25e-06 (nominal)

ABCDM COEFFICIENTS

a = 5.91896502e-05  
b = 5.36183829e-01  
c = -4.07240492e+00  
d = -9.06929255e-05  
m = 3.8  
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)
0.0000	0.0000	0.00000	2.75491	-0.00000	-0.00000
-1.4001	34.3673	2.73830	7.64293	2.73829	-0.00001
0.9998	34.3674	2.94121	7.88465	2.94122	0.00001
14.9998	34.3688	4.22246	9.26427	4.22248	0.00002
18.4998	34.3690	4.56537	9.59930	4.56533	-0.00004
28.9998	34.3667	5.63688	10.57680	5.63692	0.00004
32.4999	34.3621	6.00566	10.89239	6.00564	-0.00002

Conductivity = (g + hf<sup>2</sup> + if<sup>3</sup> + jf<sup>4</sup>) / [10(1 + δt + εp)] Siemens/meter  
Conductivity = (af<sup>m</sup> + bf<sup>2</sup> + c + dt) / [10(1 + εp)] Siemens/meter  
t = temperature [deg C]; p = pressure [decibars]; δ = CTcor; ε = CPcor;  
Residual = (instrument conductivity - bath conductivity) using g, h, i, j coefficients



POST CRUISE  
CALIBRATION