Sea-Bird Electronics, Inc.

13431 NE 20th Street, Bellevue, WA 98005-2010 USA

Phone: (+1) 425-643-9866 Fax (+1) 425-643-9954 Email: seabird@seabird.com

SENSOR SERIAL NUMBER: 2186
CALIBRATION DATE: 12-Jul-12

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

GHIJ COEFFICIENTS

g = −1.02590791e+001
h = 1.36552127e+000
i = −2.12169835e−003
j = 1.98255885e−004
CPcor = −9.5700e−008 (nominal)
CTcor = 3.2500e−006 (nominal)

ABCDM COEFFICIENTS

a = 1.34579783e−008
b = 1.35910503e+000
c = −1.02430113e+001
d = −7.67080276e−005
m = 7.7
CPcor = −9.5700e−008 (nominal)

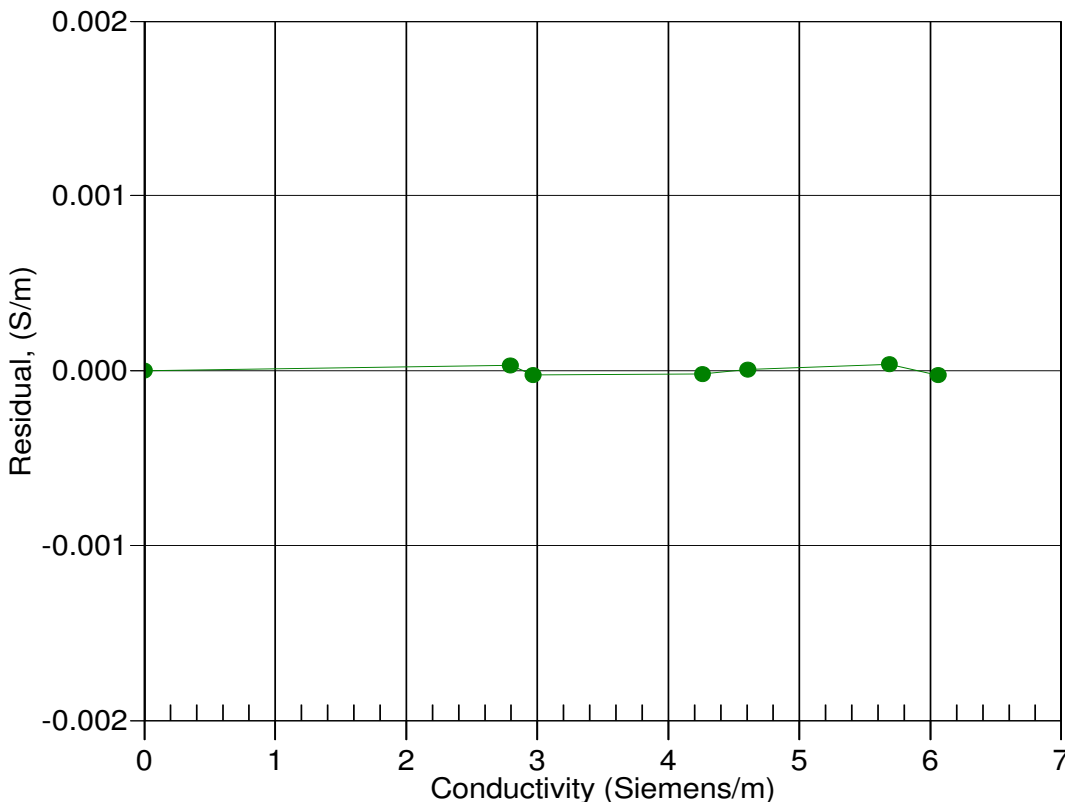| BATH TEMP (ITS-90)	BATH SAL (PSU)	BATH COND (Siemens/m)	INST FREO (kHz)	INST COND (Siemens/m)	RESIDUAL (Siemens/m)
0.0000	0.0000	0.00000	2.74533	0.00000	0.00000
−0.9999	34.7017	2.79621	5.30162	2.79624	0.00003
1.0001	34.7030	2.96721	5.41889	2.96718	−0.00003
15.0001	34.7043	4.25934	6.23406	4.25932	−0.00002
18.5000	34.7041	4.60509	6.43460	4.60509	0.00001
29.0001	34.7029	5.68584	7.02430	5.68588	0.00004
32.5001	34.6981	6.05772	7.21592	6.05769	−0.00003

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

Date, Slope Correction

● 12-Jul-12 1.0000000