Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2336 CALIBRATION DATE: 13-Dec-11

SBE 37 CONDUCTIVITY CALIBRATION DATA PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -1.038374e + 000	CPcor = -9.5700e-008
h = 1.535748e-001	CTcor = 3.2500e-006
i = -3.330170e - 005	WBOTC = $1.2827e-005$
j = 3.069498e - 005	

BATH TEMP (ITS-90)	BATH SAL (PSU)	BATH COND (Siemens/m)	INST FREQ (Hz)	INST COND (Siemens/m)	RESIDUAL (Siemens/m)
22.0000	0.0000	0.00000	2598.87	0.0000	0.0000
1.0000	34.5773	2.95748	5090.48	2.95747	-0.00001
4.4999	34.5570	3.26265	5280.29	3.26268	0.00002
15.0000	34.5129	4.23831	5844.96	4.23829	-0.00003
18.5000	34.5026	4.58122	6030.59	4.58120	-0.00002
24.0000	34.4905	5.13549	6318.81	5.13552	0.00002
29.0000	34.4809	5.65353	6576.43	5.65357	0.00004
32.5000	34.4723	6.02275	6753.81	6.02272	-0.00003

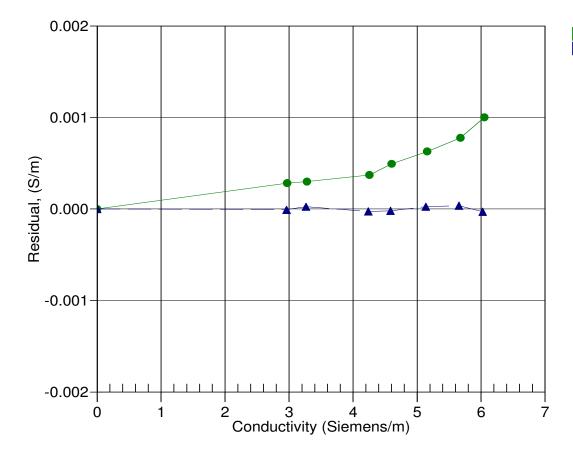
f = INST FREQ * sqrt(1.0 + WBOTC * t) / 1000.0

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

 $t = temperature[°C)]; p = pressure[decibars]; \delta = CTcor; \epsilon = CPcor;$

Residual = instrument conductivity - bath conductivity

Date, Slope Correction



21-Jan-11 0.999874613-Dec-11 1.0000000