## 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: 3764 CALIBRATION DATE: 18-Jan-12 SBE 37 CONDUCTIVITY CALIBRATION DATA PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

## **COEFFICIENTS:**

g = -1.043989e + 000	CPcor = -9.5700e-008
h = 1.639589e - 001	CTcor = 3.2500e-006
i = -4.603530e - 004	WBOTC = $9.4902e-006$
j = 5.806586e - 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	2529.23	0.0000	0.00000
0.9997	34.9500	2.98627	4970.85	2.98627	-0.00000
15.0000	34.8847	4.27911	5710.44	4.27913	0.00002
18.5000	34.8748	4.62529	5892.41	4.62528	-0.00001
24.0000	34.8635	5.18487	6174.98	5.18487	-0.00000
29.0000	34.8553	5.70799	6427.59	5.70798	-0.00000
32.5000	34.8479	6.08088	6601.58	6.08088	0.00000

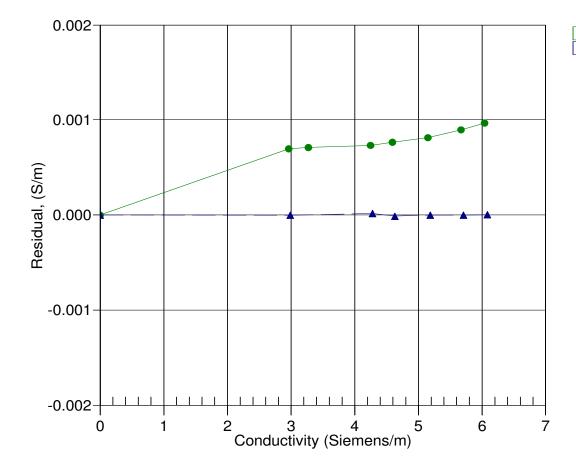
f = INST FREQ \* sqrt(1.0 + WBOTC \* t) / 1000.0

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



22-Dec-10 0.9998303 18-Jan-12 1.0000000