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: 3424
CALIBRATION DATE: 01-May-12

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

COEFFICIENTS:

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g = -9.967802e-001
h =  1.360092e-001
i = -1.709942e-004
j =  3.410571e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -6.3041e-006
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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	2709.48	0.00000	0.00000
1.0000	34.9217	2.98411	5408.69	2.98411	0.00000
4.5000	34.9015	3.29197	5613.15	3.29197	0.00000
15.0000	34.8586	4.27625	6221.09	4.27624	-0.00001
18.5000	34.8496	4.62231	6420.87	4.62232	0.00001
24.0000	34.8398	5.18173	6730.96	5.18174	0.00001
29.0000	34.8346	5.70498	7008.22	5.70497	-0.00001
32.5000	34.8323	6.07846	7199.40	6.07847	0.00000

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

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

t = temperature[°C)]; p = pressure[decibars]; δ = CTcor; ε = CPcor;

Residual = instrument conductivity - bath conductivity