SEA-BIRD ELECTRONICS, INC.

1808 136th Place N.E., Bellevue, Washington, 98005 USA

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

SENSOR SERIAL NUMBER: 0814
CALIBRATION DATE: 15-Nov-06

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

COEFFICIENTS:

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g = -1.070302e+000
h =  1.537439e-001
i = -3.012265e-004
j =  4.875265e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -7.7537e-005
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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	2644.66	0.00000	0.00000
1.0000	34.8413	2.97790	5135.92	2.97789	-0.00000
4.5000	34.8211	3.28513	5327.31	3.28514	0.00000
15.0000	34.7775	4.26736	5897.30	4.26736	-0.00000
18.5000	34.7682	4.61268	6084.89	4.61268	0.00001
23.9999	34.7577	5.17086	6376.29	5.17086	-0.00001
29.0000	34.7509	5.69281	6637.04	5.69280	-0.00001
32.5000	34.7458	6.06509	6816.83	6.06509	0.00001

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