SEA-BIRD ELECTRONICS, INC.

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

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

SENSOR SERIAL NUMBER: 1029
CALIBRATION DATE: 21-Jun-11

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

GHIJ COEFFICIENTS

```
g = -4.20186106e+000
h =  5.69473997e-001
i = -4.99098806e-005
j =  3.30184065e-005
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
```

ABCDM COEFFICIENTS

```
a =  2.97827472e-005
b =  5.69267474e-001
c = -4.20102460e+000
d = -7.90694571e-005
m =  4.0
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	2.71608	0.00000	0.00000
-1.0000	34.9375	2.81343	7.52551	2.81341	-0.00002
1.0000	34.9374	2.98533	7.72243	2.98536	0.00003
15.0000	34.9398	4.28516	9.07205	4.28514	-0.00002
18.5000	34.9399	4.63299	9.39994	4.63298	-0.00001
29.0001	34.9370	5.71987	10.35666	5.71992	0.00005
32.5001	34.9277	6.09322	10.66503	6.09319	-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