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: 4139
CALIBRATION DATE: 19-Aug-11

SBE16plus CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

```
g = -1.016729e+000
h =  1.401023e-001
i = -8.848636e-004
j =  7.598078e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
```

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	2711.76	0.0000	0.00000
1.0000	34.9697	2.98782	5395.87	2.9878	-0.00004
4.5000	34.9493	3.29603	5599.94	3.2961	0.00003
15.0000	34.9060	4.28145	6206.73	4.2815	0.00003
18.5000	34.8967	4.62788	6406.11	4.6279	0.00000
24.0000	34.8864	5.18790	6715.57	5.1879	-0.00004
29.0000	34.8803	5.71162	6992.21	5.7116	-0.00001
32.5000	34.8763	6.08527	7182.84	6.0853	0.00002

f = INST FREQ / 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