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: 3114
CALIBRATION DATE: 12-Mar-15

SBE 16 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

```
g =  -4.11643007e+000
h =   4.90554289e-001
i =   1.42938971e-003
j =  -3.04528665e-005

CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
```

BATH TEMP (ITS-90)	BATH SAL (PSU)	BATH COND (Siemens/m)	INST FREQ (kHz)	INST COND (Siemens/m)	RESIDUAL (Siemens/m)
22.0000	0.0000	0.00000	2.88543	0.00000	0.00000
1.0000	34.7517	2.97097	8.22305	2.97096	-0.00001
4.5000	34.7319	3.27755	8.58482	3.27755	0.00001
14.9999	34.6895	4.25769	9.64935	4.25772	0.00003
18.5000	34.6803	4.60227	9.99619	4.60225	-0.00002
23.9999	34.6700	5.15925	10.53236	5.15923	-0.00002
29.0000	34.6638	5.68015	11.00983	5.68016	0.00001
32.5000	34.6597	6.05176	11.33810	6.05193	0.00017

f = INST FREQ / 1000.0

Conductivity = $(g + h * f^2 + i * f^3 + j * f^4) / (1 + \delta * t + \varepsilon * p)$ Siemens / meter

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

Residual = instrument conductivity - bath conductivity