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: 0653
CALIBRATION DATE: 23-Jan-15

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

COEFFICIENTS:

```
g =  -3.99503290e+000
h =   4.75160519e-001
i =   4.42278960e-004
j =   6.49853835e-006

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	2.89555	0.00000	0.00000
1.0000	34.6827	2.96563	8.37886	2.96558	-0.00005
4.5000	34.6638	3.27175	8.74994	3.27179	0.00004
15.0000	34.6215	4.25024	9.84104	4.25028	0.00004
18.5000	34.6118	4.59416	10.19637	4.59419	0.00003
23.9999	34.6006	5.15006	10.74537	5.14998	-0.00008
29.0000	34.5942	5.67002	11.23431	5.67001	-0.00001
32.5000	34.5886	6.04076	11.57005	6.04079	0.00003

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