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: 1851
CALIBRATION DATE: 19-Oct-16

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

COEFFICIENTS:

```
g = -1.025851e+000
h =  1.398669e-001
i = -1.317402e-005
j =  2.476029e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  2.6784e-006
```

BATH TEMP (° C)	BATH SAL (PSU)	BATH COND (S/m)	INSTRUMENT OUTPUT (Hz)	INSTRUMENT COND (S/m)	RESIDUAL (S/m)
22.0000	0.0000	0.00000	2706.74	0.00000	0.00000
1.0000	34.7499	2.97083	5333.48	2.97083	0.00000
4.5000	34.7304	3.27742	5533.25	3.27741	-0.00001
15.0000	34.6889	4.25764	6127.57	4.25762	-0.00001
18.5000	34.6799	4.60222	6322.96	4.60225	0.00002
24.0000	34.6704	5.15932	6626.31	5.15932	0.00000
29.0000	34.6655	5.68039	6897.64	5.68037	-0.00003
32.4999	34.6634	6.05233	7084.79	6.05234	0.00001

f = Instrument Output(Hz) * sqrt(1.0 + WBOTC * t) / 1000.0

t = temperature (°C); p = pressure (decibars); δ = CTcor; ε = CPcor;

Conductivity (S/m) = $(g + h * f^2 + i * f^3 + j * f^4) / 10 (1 + \delta * t + \varepsilon * p)$

Residual (Siemens/meter) = instrument conductivity - bath conductivity