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: 25-Nov-15

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

COEFFICIENTS:

```
g =  -3.90538902e+000
h =   4.67298884e-001
i =   6.47946379e-004
j =   1.09998310e-006

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

BATH TEMP (° C)	BATH SAL (PSU)	BATH COND (S/m)	INSTRUMENT OUTPUT (kHz)	INSTRUMENT COND (S/m)	RESIDUAL (S/m)
22.0000	0.0000	0.00000	2.88512	0.00000	0.00000
1.0000	34.7364	2.96979	8.43008	2.96974	-0.00004
4.4998	34.7162	3.27619	8.80388	3.27624	0.00005
15.0000	34.6734	4.25593	9.90293	4.25595	0.00001
18.5000	34.6646	4.60041	10.26089	4.60039	-0.00002
24.0000	34.6553	5.15732	10.81408	5.15730	-0.00002
29.0000	34.6508	5.67825	11.30658	5.67827	0.00001
32.5000	34.6490	6.05011	11.64519	6.05023	0.00012

f = Instrument Output (kHz)

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