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: 0026
CALIBRATION DATE: 02-Mar-17

SBE 45 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

```
g = -1.028962e+000
h =  1.421762e-001
i =  9.185050e-005
j =  2.330991e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -2.3683e-005
```

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	2686.99	0.00000	0.00000
1.0000	34.8528	2.97879	5288.26	2.97880	0.00001
4.5000	34.8307	3.28595	5486.10	3.28593	-0.00001
15.0000	34.7849	4.26817	6074.88	4.26817	-0.00000
18.4999	34.7754	4.61352	6268.48	4.61352	0.00000
24.0000	34.7648	5.17181	6569.08	5.17182	0.00001
28.9999	34.7571	5.69370	6837.81	5.69370	0.00000
32.5000	34.7533	6.06625	7023.17	6.06624	-0.00000

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