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: 2645
CALIBRATION DATE: 11-Nov-16

SBE 4 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

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g =  -1.02393390e+001
h =   1.41531553e+000
i =  -1.47580441e-003
j =   1.83638648e-004

CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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BATH TEMP (° C)	BATH SAL (PSU)	BATH COND (S/m)	INSTRUMENT OUTPUT (kHz)	INSTRUMENT COND (S/m)	RESIDUAL (S/m)
0.0000	0.0000	0.00000	2.69225	0.00000	0.00000
-1.0000	34.5714	2.78668	5.19381	2.78666	-0.00002
1.0000	34.5719	2.95706	5.30859	2.95708	0.00002
15.0001	34.5728	4.24490	6.10620	4.24488	-0.00002
18.5000	34.5723	4.58948	6.30240	4.58949	0.00001
29.0001	34.5711	5.66667	6.87936	5.66669	0.00002
32.5001	34.5680	6.03758	7.06699	6.03757	-0.00001

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