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: 1865
CALIBRATION DATE: 28-Jan-17

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

COEFFICIENTS:

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g = -9.763701e-001
h =  1.346249e-001
i = -9.933533e-005
j =  3.076137e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  2.0729e-006
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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	2693.43	0.00000	0.00000
1.0000	34.7428	2.97028	5407.14	2.97027	-0.00001
4.5000	34.7230	3.27679	5612.19	3.27681	0.00002
14.9999	34.6804	4.25669	6221.48	4.25666	-0.00003
18.5000	34.6710	4.60117	6421.65	4.60117	0.00000
24.0000	34.6608	5.15805	6732.27	5.15807	0.00003
29.0000	34.6549	5.67885	7009.89	5.67884	-0.00001
32.5000	34.6501	6.05028	7201.12	6.05022	-0.00006

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