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: 3765
CALIBRATION DATE: 18-Oct-16

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

COEFFICIENTS:

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g = -1.025194e+000
h =  1.406151e-001
i = -8.014872e-006
j =  2.212962e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -8.7050e-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	2699.06	0.00000	0.00000
1.0000	34.5922	2.95863	5311.78	2.95863	0.00000
4.5000	34.5730	3.26402	5510.82	3.26401	-0.00001
15.0000	34.5315	4.24036	6103.09	4.24038	0.00002
18.5000	34.5229	4.58363	6297.85	4.58363	0.00000
24.0000	34.5137	5.13856	6600.30	5.13855	-0.00002
29.0000	34.5080	5.65748	6870.82	5.65747	-0.00001
32.5000	34.5060	6.02797	7057.47	6.02798	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