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: 4139
CALIBRATION DATE: 20-Nov-15

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

COEFFICIENTS:

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g = -1.002528e+000
h =  1.378350e-001
i = -3.822477e-004
j =  4.554487e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-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	2703.80	0.0000	0.00000
1.0000	34.7575	2.97142	5383.90	2.9714	0.00000
4.5000	34.7383	3.27809	5587.32	3.2781	-0.00000
15.0000	34.6958	4.25839	6192.12	4.2584	-0.00000
18.5001	34.6868	4.60305	6390.89	4.6030	-0.00000
24.0000	34.6770	5.16019	6699.41	5.1602	0.00001
29.0000	34.6716	5.68128	6975.26	5.6813	-0.00001
32.4999	34.6687	6.05315	7165.41	6.0531	0.00000

f = Instrument Output (Hz) / 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