Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1806
CALIBRATION DATE: 19-Nov-15

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

COEFFICIENTS:

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g = -9.978735e-001
h =  1.358511e-001
i = -1.565151e-004
j =  3.490954e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  1.9667e-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	2711.85	0.00000	0.00000
1.0000	34.6412	2.96242	5395.82	2.96242	0.00000
4.5000	34.6212	3.26813	5599.26	3.26812	-0.00000
15.0000	34.5784	4.24551	6204.14	4.24551	-0.00000
18.5000	34.5696	4.58916	6402.91	4.58917	0.00001
24.0000	34.5600	5.14470	6711.42	5.14470	-0.00000
29.0000	34.5551	5.66433	6987.28	5.66432	-0.00001
32.5001	34.5527	6.03521	7177.46	6.03522	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