Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1679
CALIBRATION DATE: 01-Oct-16

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

COEFFICIENTS:

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g = -9.838353e-001
h =  1.429589e-001
i = -1.517911e-004
j =  3.635301e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -7.8739e-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	2624.93	0.00000	0.00000
1.0000	34.8158	2.97593	5259.17	2.97594	0.00001
4.5000	34.7964	3.28303	5458.49	3.28302	-0.00001
15.0001	34.7546	4.26485	6051.01	4.26484	-0.00001
18.5000	34.7458	4.61002	6245.69	4.61003	0.00000
24.0000	34.7362	5.16803	6547.83	5.16803	0.00001
28.9999	34.7311	5.68992	6817.97	5.68993	0.00001
32.5000	34.7282	6.06236	7004.16	6.06235	-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