Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2323
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 = -9.768181e-001
h =  1.484986e-001
i = -9.007647e-005
j =  3.511683e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  6.7914e-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	2564.56	0.00000	0.00000
1.0000	34.7428	2.97028	5147.48	2.97026	-0.00002
4.5000	34.7230	3.27679	5342.62	3.27682	0.00003
14.9999	34.6804	4.25669	5922.47	4.25668	-0.00001
18.5000	34.6710	4.60117	6112.94	4.60117	-0.00000
24.0000	34.6608	5.15805	6408.54	5.15806	0.00001
29.0000	34.6549	5.67885	6672.77	5.67884	-0.00001
32.5000	34.6501	6.05028	6854.78	6.05028	0.00000

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