Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1863
CALIBRATION DATE: 08-Dec-15

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

COEFFICIENTS:

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g = -1.003400e+000
h =  1.398391e-001
i = -5.900619e-005
j =  2.801585e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  2.1158e-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	2678.22	0.00000	0.00000
1.0000	34.6339	2.96186	5315.94	2.96186	0.00000
4.5000	34.6141	3.26752	5516.08	3.26752	0.00000
15.0000	34.5712	4.24472	6111.19	4.24470	-0.00002
18.5000	34.5624	4.58831	6306.82	4.58831	0.00001
24.0000	34.5529	5.14376	6610.51	5.14377	0.00002
29.0000	34.5480	5.66330	6882.08	5.66329	-0.00001
32.5000	34.5457	6.03412	7069.34	6.03412	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