Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1805
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 = -9.793359e-001
h =  1.391701e-001
i = -1.757533e-004
j =  4.102955e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  1.1929e-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	2654.39	0.00000	0.00000
1.0000	34.6339	2.96186	5317.28	2.96186	0.00001
4.5000	34.6141	3.26752	5518.56	3.26752	-0.00000
15.0000	34.5712	4.24472	6116.71	4.24470	-0.00001
18.5000	34.5624	4.58831	6313.20	4.58831	-0.00000
24.0000	34.5529	5.14376	6618.11	5.14378	0.00002
29.0000	34.5480	5.66330	6890.64	5.66329	-0.00001
32.5000	34.5457	6.03412	7078.47	6.03406	-0.00005

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