Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0658
CALIBRATION DATE: 28-Jan-17

SBE 16 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

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g =  -3.94985154e+000
h =   4.73040050e-001
i =   4.76106236e-004
j =   8.07608097e-006

CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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BATH TEMP (° C)	BATH SAL (PSU)	BATH COND (S/m)	INSTRUMENT OUTPUT (kHz)	INSTRUMENT COND (S/m)	RESIDUAL (S/m)
22.0000	0.0000	0.00000	2.88524	0.00000	0.00000
1.0000	34.7088	2.96765	8.39082	2.96762	-0.00003
4.5000	34.6887	3.27387	8.76260	3.27391	0.00004
15.0000	34.6457	4.25289	9.85571	4.25288	-0.00001
18.5000	34.6364	4.59707	10.21176	4.59709	0.00001
24.0000	34.6262	5.15346	10.76188	5.15344	-0.00002
29.0000	34.6207	5.67388	11.25163	5.67389	0.00001
32.5000	34.6176	6.04525	11.58820	6.04531	0.00006

f = Instrument Output (kHz)

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