Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0521
CALIBRATION DATE: 21-Nov-15

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

COEFFICIENTS:

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g =  -4.06873049e+000
h =   4.85826446e-001
i =   1.14224349e-003
j =  -2.15858920e-005

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	2.88471	0.00000	0.00000
0.9999	34.6416	2.96244	8.26033	2.96239	-0.00005
4.5000	34.6214	3.26814	8.62460	3.26818	0.00003
15.0000	34.5781	4.24547	9.69621	4.24554	0.00006
18.5000	34.5691	4.58910	10.04538	4.58911	0.00001
23.9999	34.5593	5.14459	10.58510	5.14451	-0.00008
29.0000	34.5540	5.66417	11.06590	5.66416	-0.00002
32.5000	34.5515	6.03501	11.39648	6.03505	0.00004

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