Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2318
CALIBRATION DATE: 03-Mar-15

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

COEFFICIENTS:

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g = -9.717401e-001
h =  1.447443e-001
i = -9.426434e-005
j =  3.112767e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  6.0140e-006
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BATH TEMP (ITS-90)	BATH SAL (PSU)	BATH COND (Siemens/m)	INST FREQ (Hz)	INST COND (Siemens/m)	RESIDUAL (Siemens/m)
22.0000	0.0000	0.00000	2591.18	0.00000	0.00000
1.0000	34.6488	2.96301	5207.49	2.96302	0.00001
4.5000	34.6290	3.26879	5405.13	3.26878	-0.00001
15.0000	34.5862	4.24636	5992.61	4.24635	-0.00001
18.5000	34.5770	4.59004	6185.61	4.59004	0.00001
24.0000	34.5670	5.14562	6485.15	5.14564	0.00001
29.0000	34.5615	5.66526	6752.94	5.66526	-0.00001
32.5000	34.5319	6.03198	6937.54	6.03610	0.00412

f = INST FREQ * sqrt(1.0 + WBOTC * t) / 1000.0

Conductiv ity = $(g + h * f^2 + i * f^3 + j * f^4) / (1 + \delta * t + \varepsilon * p)$ Siemens / meter

t = temperatur e[°C)]; p = pressure[decibars]; δ = CTcor; ε = CPcor;

Residual = instrument conductivity - bath conductivity