Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2329
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 = -1.043172e+000
h =  1.580602e-001
i = -1.150415e-004
j =  3.629382e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  7.2011e-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	2569.27	0.00000	0.00000
1.0000	34.6488	2.96301	5029.07	2.96302	0.00001
4.5000	34.6290	3.26879	5216.62	3.26878	-0.00001
15.0000	34.5862	4.24636	5774.75	4.24635	-0.00001
18.5000	34.5770	4.59004	5958.29	4.59005	0.00001
24.0000	34.5670	5.14562	6243.29	5.14563	0.00000
29.0000	34.5615	5.66526	6498.23	5.66526	-0.00000
32.5000	34.5319	6.03198	6674.04	6.03611	0.00414

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