Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3770 CALIBRATION DATE: 07-Mar-15

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

COEFFICIENTS:

BATH TEMP	BATH SAL	BATH COND	INST FREQ	INST COND	RESIDUAL
(ITS-90)	(PSU)	(Siemens/m)	(Hz)	(Siemens/m)	(Siemens/m)
22.0000	0.0000	0.00000	2532.82	0.00000	0.00000
1.0000	34.6169	2.96054	4968.32	2.96055	0.00001
4.5000	34.5970	3.26607	5154.04	3.26605	-0.00001
15.0000	34.5542	4.24285	5706.76	4.24283	-0.00002
18.5000	34.5450	4.58625	5888.53	4.58625	0.00000
24.0000	34.5350	5.14139	6170.81	5.14140	0.00002
29.0000	34.5298	5.66065	6423.34	5.66065	0.00000
32.5000	34.5274	6.03128	6597.52	6.03127	-0.00001

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

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

 $t = temperatur e[^{\circ}C)$; p = pressure[decibars]; $\delta = CTcor$; $\epsilon = CPcor$;

Residual = instrument conductivity - bath conductivity

