SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2023 CALIBRATION DATE: 01-Jan-11

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

COEFFICIENTS:

g =	-1.034427e+000	CPcor =	-9.5700e-008
h =	1.482751e-001	CTcor =	3.2500e-006
i =	2.192409e-004	WBOTC =	-2.5476e-005
j =	1.871011e-005		

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	2635.75	0.0000	0.00000
1.0000	34.6933	2.96645	5166.23	2.96647	0.00002
4.5000	34.6733	3.27256	5359.03	3.27255	-0.00001
15.0000	34.6301	4.25118	5932.71	4.25114	-0.00004
18.5000	34.6209	4.59524	6121.37	4.59521	-0.00002
24.0000	34.6101	5.15133	6414.30	5.15140	0.00006
29.0000	34.6041	5.67146	6676.28	5.67148	0.00001
32.5000	34.5996	6.04246	6856.86	6.04243	-0.00003

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

Conductivity = $(g + hf^2 + if^3 + if^4) / (1 + \delta t + \epsilon p)$ Siemens/meter

 $t = temperature[^{\circ}C)$; p = pressure[decibars]; $\delta = CTcor$; $\varepsilon = CPcor$;

Residual = instrument conductivity - bath conductivity

Date, Slope Correction

