Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3767 CALIBRATION DATE: 09-Dec-11

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

COEFFICIENTS:

g = -1.047855e + 000	CPcor = -9.5700e-008
h = 1.522177e - 001	CTcor = 3.2500e-006
i = -1.552790e - 004	WBOTC = $-8.4102e-006$
j = 3.563630e - 005	

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	2625.36	0.0000	0.00000
1.0000	34.9523	2.98648	5145.77	2.98650	0.00002
4.4999	34.9319	3.29454	5337.98	3.29454	-0.00000
15.0000	34.8869	4.27936	5909.97	4.27930	-0.00005
18.5000	34.8768	4.62553	6098.10	4.62553	0.00000
24.0000	34.8645	5.18500	6390.15	5.18503	0.00003
29.0000	34.8554	5.70800	6651.28	5.70805	0.00005
32 5000	31 8183	6 08091	6831 10	6 08090	-0 00004

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[°C); p = pressure[decibars]; $\delta = CTcor$; $\epsilon = CPcor$;

Residual = instrument conductivity - bath conductivity

Date, Slope Correction

