Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0026 CALIBRATION DATE: 07-Feb-17

SBE 45 CONDUCTIVITY CALIBRATION DATA PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g =	-1.052267e+000	CPcor	=	-9.5700e-008
h =	1.461883e-001	CTcor	=	3.2500e-006
i =	-7.140502e-004	WBOTC	=	-2.3683e-005
-i -	7 3/36080-005			

BATH TEMP	BATH SAL	BATH COND	INSTRUMENT	INSTRUMENT	RESIDUAL
(° C)	(PSU)	(S/m)	OUTPUT (Hz)	COND (S/m)	(S/m)
22.0000	0.0000	0.0000	2696.47	0.0000	0.00000
1.0000	34.6997	2.96695	5274.66	2.96695	-0.00000
4.5000	34.6803	3.27315	5471.88	3.27316	0.00001
15.0000	34.6390	4.25216	6058.76	4.25215	-0.00001
18.5000	34.6305	4.59637	6251.75	4.59635	-0.00002
24.0000	34.6212	5.15280	6551.42	5.15284	0.00003
29.0000	34.6161	5.67321	6819.35	5.67319	-0.00001
32.5000	34.6135	6.04461	7004.08	6.04455	-0.00007

f = Instrument Output(Hz) * sqrt(1.0 + WBOTC * t) / 1000.0

 $t = temperature \ (^{\circ}C); \quad p = pressure \ (decibars); \quad \delta = CTcor; \quad \epsilon = CPcor;$

Conductivity (S/m) = $(g + h * f^2 + i * f^3 + j * f^4)/10 (1 + \delta * t + \epsilon * p)$

Residual (Siemens/meter) = instrument conductivity - bath conductivity

