Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0093 CALIBRATION DATE: 12-Feb-17 SBE 45 CONDUCTIVITY CALIBRATION DATA PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

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	2557.42	0.00000	0.0000
1.0000	34.7440	2.97037	5096.79	2.97038	0.00001
4.5000	34.7240	3.27687	5289.11	3.27686	-0.00001
15.0000	34.6809	4.25676	5860.94	4.25676	-0.00000
18.5000	34.6719	4.60128	6048.86	4.60129	0.00001
24.0000	34.6620	5.15820	6340.50	5.15819	-0.00001
29.0000	34.6569	5.67914	6601.31	5.67915	0.0000
32.5000	34.6546	6.05097	6781.05	6.05083	-0.00014

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

