

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3534
 CALIBRATION DATE: 07-Sep-0

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

COEFFICIENTS:

g = -1.002661e+000	CPcor = -9.5700e-008
h = 1.372183e-001	CTcor = 3.2500e-006
i = -1.191634e-004	WBOTC = -1.1338e-005
j = 3.057194e-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	2704.47	0.00000	0.00000
1.0000	34.6513	2.96320	5371.35	2.96321	0.00000
4.4999	34.6313	3.26898	5573.82	3.26897	-0.00000
15.0000	34.5887	4.24664	6176.05	4.24664	0.00001
18.4999	34.5798	4.59036	6373.98	4.59034	-0.00002
23.9999	34.5701	5.14603	6681.31	5.14605	0.00002
29.0001	34.5651	5.66580	6956.15	5.66579	-0.00001

$$f = \text{INST FREQ} * \sqrt{1.0 + \text{WBOTC} * t} / 1000.0$$

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

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

$$\text{Residual} = \text{instrument conductivity} - \text{bath conductivity}$$

