



Sea-Bird Scientific
13431 NE 20th Street
Bellevue, WA 98005
USA

+1 425-643-9866
seabird@seabird.com
www.seabird.com

SENSOR SERIAL NUMBER: 3860
CALIBRATION DATE: 12-Oct-17

SBE 4 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -1.03246525e+001
h = 1.48406364e+000
i = -9.03077425e-004
j = 1.47760855e-004

CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

BATH TEMP (° C)	BATH SAL (PSU)	BATH COND (S/m)	INSTRUMENT OUTPUT (kHz)	INSTRUMENT COND (S/m)	RESIDUAL (S/m)
0.0000	0.0000	0.00000	2.63882	0.00000	0.00000
-1.0001	34.6127	2.78969	5.07622	2.78967	-0.00002
0.9999	34.6129	2.96022	5.18814	2.96024	0.00002
14.9999	34.6121	4.24920	5.96605	4.24922	0.00002
18.5000	34.6107	4.59403	6.15739	4.59401	-0.00001
28.9999	34.6018	5.67112	6.71979	5.67110	-0.00001
32.4999	34.5863	6.04039	6.90197	6.04040	0.00001

f = Instrument Output (kHz)

t = temperature (°C); p = pressure (decibars); δ = CTcor; ϵ = 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

