



Sea-Bird GmbH  
 Postfach 1167  
 87401 Kempten  
 Germany

+49 831 9 60994 701  
 seabird.eu@seabird.com  
 www.seabird.com

SENSOR SERIAL NUMBER: 3677  
 CALIBRATION DATE: 17-Dec-20

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

COEFFICIENTS:

g = -9.91905685e+000  
 h = 1.39971233e+000  
 i = -2.85113964e-003  
 j = 2.87961454e-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	2.66735	0.00000	0.00000
-1.0000	34.8757	2.80891	5.22413	2.80893	0.00002
1.0000	34.8727	2.98033	5.34058	2.98032	-0.00001
15.0000	34.8677	4.27725	6.15023	4.27722	-0.00003
18.5000	34.8609	4.62365	6.34889	4.62366	0.00001
29.0000	34.8342	5.70492	6.93194	5.70496	0.00004
32.5000	34.8140	6.07563	7.12066	6.07561	-0.00003

f = Instrument Output (kHz)

t = temperature (°C); p = pressure (decibars);  $\delta$  = CTcor;  $\epsilon$  = 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

