



Sea-Bird Scientific  
 13431 NE 20<sup>th</sup> Street  
 Bellevue, WA 98005  
 USA

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

SENSOR SERIAL NUMBER: 3451  
 CALIBRATION DATE: 15-Mar-19

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

COEFFICIENTS:

g = -1.00423925e+001  
 h = 1.55919802e+000  
 i = -2.11408647e-003  
 j = 2.58560582e-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	2.54088	0.00000	0.00000
-1.0001	34.6508	2.79248	4.94116	2.79247	-0.00000
0.9999	34.6507	2.96315	5.05094	2.96316	0.00001
15.0000	34.6488	4.25323	5.81355	4.25322	-0.00001
18.5000	34.6466	4.59828	6.00098	4.59828	-0.00000
29.0000	34.6370	5.67625	6.55172	5.67627	0.00002
32.5001	34.6205	6.04571	6.72996	6.04569	-0.00001

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

