



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: 30-Jan-20

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

COEFFICIENTS:

g = -1.00531261e+001  
h = 1.56211673e+000  
i = -2.80749141e-003  
j = 3.34141779e-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	2.54089	0.00000	0.00000
-0.9996	34.8471	2.80686	4.94905	2.80682	-0.00004
0.9999	34.8452	2.97819	5.05902	2.97824	0.00005
14.9999	34.8412	4.27433	5.82307	4.27431	-0.00002
18.4999	34.8367	4.62077	6.01072	4.62079	0.00002
28.9999	34.8191	5.70271	6.56175	5.70271	-0.00000
32.4999	34.7817	6.07063	6.73874	6.07070	0.00007

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

