



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: 2469  
 CALIBRATION DATE: 26-Jun-24

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

COEFFICIENTS:

g = -9.83597273e+000  
 h = 1.37313012e+000  
 i = -3.33976597e-003  
 j = 3.07093325e-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	2.68301	0.00000	0.00000
-1.0000	34.5546	2.78545	5.25652	2.78544	-0.00001
0.9999	34.5554	2.95577	5.37402	2.95579	0.00002
15.0000	34.5558	4.24302	6.18978	4.24299	-0.00003
18.5000	34.5550	4.58743	6.39027	4.58743	0.00000
28.9999	34.5487	5.66339	6.97912	5.66344	0.00005
32.4997	34.5326	6.03206	7.16953	6.03202	-0.00004

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

