



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

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

SENSOR SERIAL NUMBER: 4139
CALIBRATION DATE: 30-Apr-19

SBE 16plus CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -1.003116e+000
h = 1.380038e-001
i = -4.214718e-004
j = 4.854906e-005

CPcor = -9.5700e-008
CTcor = 3.2500e-006

BATH TEMP (° C)	BATH SAL (PSU)	BATH COND (S/m)	INSTRUMENT OUTPUT (Hz)	INSTRUMENT COND (S/m)	RESIDUAL (S/m)
22.0000	0.0000	0.00000	2703.76	0.0000	0.00000
1.0000	34.7918	2.97407	5385.22	2.9741	-0.00000
4.5000	34.7716	3.28092	5588.66	3.2809	0.00000
15.0000	34.7284	4.26197	6193.64	4.2620	-0.00000
18.5000	34.7189	4.60684	6392.43	4.6069	0.00001
24.0000	34.7075	5.16423	6700.90	5.1642	-0.00001
29.0000	34.6983	5.68516	6976.53	5.6852	-0.00000
32.4999	34.6894	6.05635	7166.24	6.0564	0.00000

f = Instrument Output (Hz) / 1000.0

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

Conductivity (S/m) = $(g + h * f^2 + i * f^3 + j * f^4) / (1 + \delta * t + \epsilon * p)$

Residual (Siemens/meter) = instrument conductivity - bath conductivity

