



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

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

SENSOR SERIAL NUMBER: 6902
CALIBRATION DATE: 13-Jun-24

SBE 16plus V2 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -9.947836e-001
h = 1.559633e-001
i = -3.803224e-004
j = 5.129043e-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	2530.68	0.0000	0.00000
0.9999	34.6497	2.96307	5047.46	2.9630	-0.00002
4.5000	34.6299	3.26887	5238.40	3.2689	0.00002
15.0000	34.5875	4.24650	5806.10	4.2465	-0.00001
18.5000	34.5781	4.59017	5992.66	4.5902	0.00003
24.0000	34.5671	5.14564	6282.18	5.1456	-0.00002
29.0000	34.5598	5.66502	6541.02	5.6650	-0.00001
32.5000	34.5538	6.03537	6719.32	6.0354	0.00001

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

