



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

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

SENSOR SERIAL NUMBER: 6353
CALIBRATION DATE: 06-Nov-22

SBE 19plus V2 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -1.011540e+000
h = 1.501359e-001
i = -1.442222e-004
j = 3.443699e-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	2596.90	0.0000	0.00000
0.9999	34.6163	2.96048	5140.68	2.9605	-0.00000
4.5000	34.5972	3.26608	5334.05	3.2661	-0.00000
15.0000	34.5564	4.24309	5909.24	4.2431	0.00001
18.5000	34.5477	4.58657	6098.31	4.5866	-0.00001
24.0000	34.5380	5.14178	6391.85	5.1418	0.00000
29.0000	34.5322	5.66100	6654.33	5.6610	-0.00001
32.5000	34.5278	6.03134	6835.24	6.0314	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

