



Sea-Bird GmbH  
 Postfach 1167  
 87401 Kempten  
 Germany

+49 831 9 60994 701  
 seabird.eu@seabird.com  
 www.seabird.com

SENSOR SERIAL NUMBER: 6244  
 CALIBRATION DATE: 10-Jun-21

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

COEFFICIENTS:

g = -9.900782e-001                      CPcor = -9.5700e-008  
 h = 1.559434e-001                      CTcor = 3.2500e-006  
 i = -1.265159e-004  
 j = 3.424703e-005

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	2520.53	0.0000	0.00000
1.0000	34.9052	2.98284	5043.68	2.9828	0.00001
4.5000	34.8844	3.29051	5234.64	3.2905	-0.00000
15.0000	34.8325	4.27339	5802.00	4.2734	-0.00002
18.5000	34.8204	4.61885	5988.43	4.6188	-0.00000
24.0000	34.8063	5.17730	6277.82	5.1773	0.00001
29.0000	34.7998	5.69992	6536.77	5.6999	0.00003
32.4999	34.7953	6.07273	6715.20	6.0727	-0.00002

f = Instrument Output (Hz) / 1000.0

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

Conductivity (S/m) = (g + h \* f<sup>2</sup> + i \* f<sup>3</sup> + j \* f<sup>4</sup>) / (1 + δ \* t + ε \* p)

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

