



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

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

SENSOR SERIAL NUMBER: 0316
CALIBRATION DATE: 21-Mar-21

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

COEFFICIENTS:

g = -8.62917139e+000
h = 9.68373140e-001
i = 4.04550732e-002
j = -2.11311953e-003

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)
22.0000	0.0000	0.00000	2.84467	0.00000	0.00000
1.0000	34.6588	2.96378	5.81402	2.96406	0.00028
4.4999	34.6396	3.26968	6.03256	3.26939	-0.00029
15.0000	34.5992	4.24779	6.68284	4.24760	-0.00019
18.5000	34.5910	4.59169	6.89667	4.59178	0.00009
24.0000	34.5826	5.14769	7.22872	5.14798	0.00029
29.0000	34.5786	5.66775	7.52573	5.66759	-0.00017
32.5001	34.5761	6.03883	7.73049	6.03777	-0.00106

f = Instrument Output (kHz)

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

