



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

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

SENSOR SERIAL NUMBER: 0366
CALIBRATION DATE: 25-Sep-22

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

COEFFICIENTS:

g = -9.99844647e+000
h = 1.12534492e+000
i = -3.90410084e-003
j = 3.52666499e-004

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	2.99209	0.00000	0.00000
1.0000	34.6898	2.96618	5.96510	2.96618	0.00000
4.5000	34.6690	3.27219	6.19074	3.27219	0.00000
15.0000	34.6243	4.25054	6.86176	4.25054	-0.00000
18.4999	34.6147	4.59449	7.08227	4.59449	-0.00000
24.0000	34.6036	5.15047	7.42454	5.15046	-0.00001
29.0000	34.5969	5.67041	7.73055	5.67043	0.00002
32.5000	34.5921	6.04130	7.94138	6.04129	-0.00001

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

