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

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

SENSOR SERIAL NUMBER: 0273
CALIBRATION DATE: 09-Mar-19

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

COEFFICIENTS:

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g =  -1.00614071e+001
h =   1.13344446e+000
i =  -3.01291631e-003
j =   2.96551151e-004

CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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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	2.98779	0.00000	0.00000
1.0000	34.6996	2.96694	5.94009	2.96695	0.00001
4.5000	34.6803	3.27315	6.16442	3.27315	-0.00001
15.0000	34.6391	4.25217	6.83167	4.25217	-0.00000
18.4999	34.6300	4.59630	7.05096	4.59630	-0.00000
23.9999	34.6184	5.15242	7.39128	5.15243	0.00001
28.9998	34.6080	5.67201	7.69530	5.67201	-0.00000
32.4999	34.5955	6.04182	7.90435	6.04181	-0.00000

f = Instrument Output (kHz)

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

Conductivity (S/m) = $(g + h * f^2 + i * f^3 + j * f^4) / 10 (1 + \delta * t + \varepsilon * p)$

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