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

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

SENSOR SERIAL NUMBER: 0349
CALIBRATION DATE: 01-Feb-22

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

COEFFICIENTS:

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g =  -1.00945995e+001
h =   1.14801358e+000
i =  -3.14452536e-003
j =   3.03073574e-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	2.97397	0.00000	0.00000
1.0000	34.5582	2.95600	5.89787	2.95604	0.00004
4.4999	34.5396	3.26117	6.12030	3.26116	-0.00001
15.0000	34.4994	4.23683	6.78196	4.23664	-0.00019
18.5000	34.4876	4.57944	6.99947	4.57960	0.00015
24.0000	34.4783	5.13387	7.33713	5.13392	0.00005
29.0000	34.4728	5.65235	7.63907	5.65231	-0.00004
32.5001	34.4677	6.02205	7.84707	6.02195	-0.00010

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