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

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

SENSOR SERIAL NUMBER: 0141
CALIBRATION DATE: 07-Dec-18

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

COEFFICIENTS:

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g =  -9.90089377e+000
h =   1.14483973e+000
i =  -2.27285447e-003
j =   2.59233358e-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	2.94652	0.00000	0.00000
1.0000	34.7322	2.96946	5.89231	2.96946	0.00000
4.5000	34.7122	3.27587	6.11557	3.27587	-0.00000
15.0000	34.6698	4.25554	6.77952	4.25554	0.00000
18.5000	34.6607	4.59995	6.99770	4.59994	-0.00001
24.0000	34.6504	5.15667	7.33639	5.15669	0.00002
29.0000	34.6447	5.67737	7.63922	5.67736	-0.00001
32.5000	34.6407	6.04882	7.84801	6.04896	0.00014

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