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: 10-Nov-22

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

COEFFICIENTS:

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g =  -1.02464492e+001
h =   1.18762356e+000
i =  -3.02416890e-003
j =   2.98569275e-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	2.94514	0.00000	0.00000
1.0000	34.6259	2.96124	5.81162	2.96123	-0.00000
4.5000	34.6051	3.26675	6.02998	3.26676	0.00000
15.0000	34.5611	4.24361	6.67980	4.24361	-0.00000
18.5000	34.5515	4.58702	6.89347	4.58701	-0.00001
24.0000	34.5404	5.14210	7.22522	5.14210	0.00000
29.0000	34.5336	5.66120	7.52194	5.66121	0.00001
32.5001	34.5287	6.03149	7.72644	6.03149	-0.00001

f = Instrument Output (kHz)

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

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

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