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

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

SENSOR SERIAL NUMBER: 3994
CALIBRATION DATE: 06-Jun-23

SBE 4 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

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g =  -9.95096582e+000
h =   1.52012657e+000
i =  -5.12336988e-003
j =   4.92546986e-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)
0.0000	0.0000	0.00000	2.56692	0.00000	0.00000
-1.0001	34.5804	2.78733	5.01020	2.78735	0.00002
0.9999	34.5804	2.95771	5.12181	2.95769	-0.00002
14.9999	34.5787	4.24553	5.89708	4.24551	-0.00002
18.4999	34.5785	4.59020	6.08766	4.59022	0.00002
28.9999	34.5766	5.66745	6.64754	5.66746	0.00001
32.5000	34.5645	6.03703	6.82883	6.03702	-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