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

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

SENSOR SERIAL NUMBER: 3764
CALIBRATION DATE: 09-Apr-23

SBE 37 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

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g = -1.043550e+000
h =  1.635615e-001
i = -2.996445e-004
j =  4.631721e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  9.4902e-006
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BATH TEMP (° C)	BATH SAL (PSU)	BATH COND (S/m)	INSTRUMENT OUTPUT (Hz)	INSTRUMENT COND (S/m)	RESIDUAL (S/m)
22.0000	0.0000	0.00000	2529.21	0.00000	0.00000
0.9999	34.7192	2.96845	4957.92	2.96844	-0.00001
4.5000	34.6994	3.27478	5143.17	3.27479	0.00001
15.0000	34.6581	4.25426	5694.52	4.25427	0.00001
18.5000	34.6492	4.59859	5875.81	4.59858	-0.00001
24.0000	34.6390	5.15516	6157.33	5.15515	-0.00001
29.0000	34.6316	5.67546	6409.05	5.67548	0.00002
32.5000	34.6233	6.04613	6582.32	6.04612	-0.00001

f = Instrument Output(Hz) * sqrt(1.0 + WBOTC * t) / 1000.0

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

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

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