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

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

SENSOR SERIAL NUMBER: 2024
CALIBRATION DATE: 14-Apr-23

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

COEFFICIENTS:

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g = -9.963368e-001
h =  1.475860e-001
i = -1.156936e-004
j =  3.551908e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  3.8161e-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	2598.67	0.00000	0.00000
1.0000	34.6589	2.96379	5173.87	2.96381	0.00002
4.4999	34.6399	3.26971	5369.04	3.26969	-0.00001
15.0000	34.5994	4.24781	5949.42	4.24779	-0.00002
18.5000	34.5910	4.59169	6140.15	4.59169	-0.00001
24.0000	34.5818	5.14759	6436.19	5.14761	0.00003
29.0000	34.5765	5.66745	6700.84	5.66746	0.00002
32.5000	34.5727	6.03830	6883.19	6.03828	-0.00002

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