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

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

SENSOR SERIAL NUMBER: 3762
CALIBRATION DATE: 12-Apr-23

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

COEFFICIENTS:

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g = -1.047474e+000
h =  1.322532e-001
i = -2.767324e-004
j =  3.986303e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -8.1560e-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	2819.48	0.00000	0.00000
1.0000	34.6395	2.96229	5512.83	2.96229	-0.00000
4.4999	34.6204	3.26805	5718.51	3.26806	0.00001
15.0000	34.5802	4.24570	6330.58	4.24570	-0.00001
18.4999	34.5721	4.58945	6531.85	4.58943	-0.00002
24.0000	34.5633	5.14513	6844.40	5.14517	0.00003
29.0000	34.5576	5.66470	7123.81	5.66468	-0.00001
32.5001	34.5527	6.03521	7315.74	6.03402	-0.00119

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