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

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

SENSOR SERIAL NUMBER: 21148
CALIBRATION DATE: 07-Mar-25

SBE 37 V2 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

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g = -1.009959e+000
h =  1.459989e-001
i = -8.117354e-004
j =  8.684306e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  4.0969e-007
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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	2644.09	0.00000	0.00000
0.9999	34.5800	2.95768	5246.72	2.95767	-0.00001
4.4999	34.5611	3.26300	5444.40	3.26293	-0.00007
14.9999	34.5227	4.23938	6032.39	4.23954	0.00016
18.5000	34.5147	4.58266	6225.47	4.58280	0.00014
24.0000	34.5067	5.13764	6524.81	5.13724	-0.00039
29.0000	34.5030	5.65675	6792.88	5.65692	0.00017
32.5001	34.5014	6.02727	6976.97	6.02653	-0.00073

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