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

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

SENSOR SERIAL NUMBER: 2332
CALIBRATION DATE: 08-Jan-25

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

COEFFICIENTS:

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g = -9.961690e-001
h =  1.497076e-001
i = -1.814721e-005
j =  2.571728e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  5.3329e-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	2578.33	0.00000	0.00000
0.9999	34.7180	2.96835	5136.01	2.96835	0.00000
4.5000	34.6964	3.27452	5329.76	3.27453	0.00001
14.9999	34.6500	4.25336	5905.89	4.25333	-0.00002
18.4999	34.6396	4.59744	6095.25	4.59744	0.00000
23.9999	34.6273	5.15360	6389.17	5.15363	0.00003
29.0000	34.6199	5.67376	6651.99	5.67375	-0.00001
32.5001	34.6160	6.04501	6833.20	6.04494	-0.00007

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