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

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

SENSOR SERIAL NUMBER: 1527
CALIBRATION DATE: 05-Jan-25

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

COEFFICIENTS:

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g = -1.022207e+000
h =  1.553148e-001
i =  2.227336e-004
j =  1.213455e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  1.6276e-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	2560.05	0.00000	0.00000
1.0000	34.6802	2.96544	5043.81	2.96543	-0.00000
4.5000	34.6612	3.27153	5232.73	3.27154	0.00001
15.0000	34.6196	4.25003	5794.71	4.25001	-0.00002
18.5000	34.6103	4.59398	5979.48	4.59398	-0.00000
24.0000	34.5993	5.14990	6266.35	5.14993	0.00003
29.0000	34.5892	5.66929	6522.68	5.66928	-0.00001
32.5000	34.5743	6.03854	6698.73	6.03837	-0.00018

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