



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

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

SENSOR SERIAL NUMBER: 6310
 CALIBRATION DATE: 09-Nov-23

SBE 4 CONDUCTIVITY CALIBRATION DATA
 PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -1.02737840e+001
 h = 1.26941156e+000
 i = -8.77247174e-004
 j = 1.14632681e-004

CPcor = -9.5700e-008 (nominal)
 CTcor = 3.2500e-006 (nominal)

BATH TEMP (° C)	BATH SAL (PSU)	BATH COND (S/m)	INSTRUMENT OUTPUT (kHz)	INSTRUMENT COND (S/m)	RESIDUAL (S/m)
0.0000	0.0000	0.00000	2.84664	0.00000	0.00000
-1.0000	34.6407	2.79175	5.48799	2.79175	0.00001
1.0000	34.6416	2.96245	5.60920	2.96244	-0.00001
15.0000	34.6427	4.25256	6.45170	4.25257	0.00001
18.5000	34.6430	4.59785	6.65900	4.59784	-0.00001
29.0000	34.6409	5.67681	7.26850	5.67683	0.00002
32.5000	34.6342	6.04782	7.46646	6.04781	-0.00001

f = Instrument Output (kHz)

t = temperature (°C); p = pressure (decibars); δ = CTcor; ϵ = CPcor;

Conductivity (S/m) = $(g + h * f^2 + i * f^3 + j * f^4) / 10 (1 + \delta * t + \epsilon * p)$

Residual (Siemens/meter) = instrument conductivity - bath conductivity

