



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

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

SENSOR SERIAL NUMBER: 3449
 CALIBRATION DATE: 15-Mar-19

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

COEFFICIENTS:

g = -1.03891283e+001
 h = 1.39620413e+000
 i = 6.00665127e-004
 j = 2.96329337e-005

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	2.72600	0.00000	0.00000
-1.0001	34.6508	2.79248	5.23105	2.79247	-0.00000
0.9999	34.6507	2.96315	5.34611	2.96316	0.00001
15.0000	34.6488	4.25323	6.14614	4.25322	-0.00001
18.5000	34.6466	4.59828	6.34295	4.59828	0.00000
29.0000	34.6370	5.67625	6.92159	5.67627	0.00002
32.5001	34.6205	6.04571	7.10899	6.04569	-0.00002

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

