



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

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

SENSOR SERIAL NUMBER: 2707
 CALIBRATION DATE: 24-Jan-19

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

COEFFICIENTS:

g = -1.07265164e+001
 h = 1.55889181e+000
 i = -1.07618836e-003
 j = 1.68249210e-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	2.62454	0.00000	0.00000
-1.0000	34.3983	2.77402	4.96935	2.77400	-0.00002
0.9999	34.3983	2.94361	5.07763	2.94363	0.00002
15.0000	34.3977	4.22566	5.83104	4.22565	-0.00001
18.5000	34.3962	4.56861	6.01651	4.56862	0.00001
29.0000	34.3896	5.64024	6.56203	5.64023	-0.00001
32.5000	34.3771	6.00800	6.73898	6.00801	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

