



Sea-Bird GmbH
 Postfach 1167
 87401 Kempten
 Germany

+49 831 9 60994 701
 seabird.eu@seabird.com
 www.seabird.com

SENSOR SERIAL NUMBER: 3677
 CALIBRATION DATE: 22-Dec-20

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

COEFFICIENTS:

g = -9.91841844e+000
 h = 1.39928795e+000
 i = -2.75048448e-003
 j = 2.81319386e-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	2.66745	0.00000	0.00000
-1.0000	34.6121	2.78966	5.21100	2.78969	0.00003
1.0000	34.6131	2.96025	5.32716	2.96021	-0.00003
15.0000	34.6136	4.24937	6.13405	4.24934	-0.00003
18.5000	34.6125	4.59424	6.33238	4.59428	0.00004
29.0000	34.6080	5.67203	6.91500	5.67201	-0.00002
32.5000	34.5977	6.04217	7.10393	6.04217	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

